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## REMEDIAL ACTION PLAN

**Former Leake Oil Property  
448 East Taggart Street  
East Palestine, Columbiana County, Ohio 44413**

**October 17, 2024**

PREPARED FOR: Ohio Environmental Protection Agency  
Division of Environmental Response and Revitalization  
50 W. Town Street  
Suite 700  
Columbus, Ohio 43215  
Project Number: 2296.17

PREPARED BY: Partners  
31100 Solon Road, Suite G  
Solon, Ohio 44139  
Phone: (800) 763-1363  
Fax: (518) 734-0132

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31100 Solon Road, Suite G, Solon, Ohio 44139

[www.partnersenv.com](http://www.partnersenv.com)

phone: (800) 763-1363

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## 1.0 GENERAL INFORMATION AND BACKGROUND

### 1.1 Project Objective

Partners has developed this Remedial Action Plan (RAP) for the Leake Oil Property located at 448 East Taggart Street in East Palestine, Columbiana County, Ohio. (Property). This RAP has been prepared for the Ohio Environmental Protection Agency (OEPA; Client). It is Partners' understanding that the Property will be redeveloped and continued to be used as commercial/industrial land.

This RAP defines the remedial tasks that will be required in order to be compliant with Ohio Voluntary Action program (VAP) standards for commercial/industrial land use and construction/excavation activities.

### 1.2 Project Property

The Property is listed on the Columbiana County Auditors website as four (4) individual tax parcel identified as Parcel Numbers (PPNs) 68-02546.000, 68-02547.000, 68-02548.000, and 68-00528.000. The Property is comprised of approximately 0.75 acres of exempt property and is currently zoned as Residential – Single Family Housing (RD) and Heavy Industrial (I-2). The Property is currently owned by the Columbiana County Land Reutilization Corporation (CCLRC). The Property location is shown on **Figure 1**.

### 1.3 Previous Investigations

#### ASTM and VAP Compliant Phase I Property Assessment

The Ohio EPA provided Partners with the narrative of an ASTM and Voluntary Action Program (VAP) compliant Phase I Property Assessment (PA) report completed by Burgess & Niple, Inc. (B&N) in February 2024. The report is titled *VAP Phase I Property Assessment, Former Triple L Trucking Co., Inc., 448 East Taggart Street, East Palestine, Ohio*.

Findings of the PA identified the following recognized environmental conditions (RECs) and/or Identified Areas (IAs) associated with the Property as summarized below.

- **REC-1/IA-1- Former BUSTR NFA:** Two (2) former underground storage tanks (USTs) received a No Further Action (NFA) from the Bureau of Underground Storage Tank Regulations (BUSTR) in 1996 for aboveground piping and underground piping closure. Chemicals of Concern: Volatile Organic Compounds (VOCs), Semi-Volatile Organic Compounds (SVOCs), and Total Petroleum Hydrocarbons (TPH) for gasoline range organics (GRO) and diesel range organics (DRO).
- **REC-2/IA-2- Former Pump House:** The former pump house contained all valving, pumps, and an adjacent 1,000-gallon UST. An existing groundwater "Interceptor Trench" was constructed in Spring 2023, adjacent to the pump house and extending east. Chemicals of Concern: VOCS, SVOCs, and TPH (GRO & DRO).
- **REC-3/IA-3- Five Former Aboveground Storage Tanks (ASTs):** There are four (4) existing ASTs and one (1) former AST located north of Sulphur Run, where there is potential for a historical release. All tanks are currently empty, and the service lines were removed from the AST tank farm to the pump house in 2023. Chemicals of Concern: VOCs, SVOCs, and TPH (GRO & DRO).
- **REC-4/IA-4- Former Service Station:** The existing service station structure includes service lines from the pump house to the former dispenser pump islands to the south along Taggart Street, where a former release of petroleum and/or solvents may have occurred. Chemicals of Concern: VOCs, SVOCs, and TPH (GRO & DRO).

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It is Partners' understanding that the Property will continue to be commercial/industrial land. Therefore, future receptors at the Property may include commercial/industrial workers and construction/excavation workers. Partners developed a scope of supplemental assessment and remedial actions based on a review of the previous investigations and the potential future redevelopment.

### **VAP-Compliant Limited Phase II**

Based on the previous work at the Property, Partners completed additional investigation activities, the results of which are summarized in the following report.

- *Draft VAP Compliant Limited Phase II Investigation, Leake Oil Property, 448 East Taggart Street, East Palestine, Columbiana County, Ohio dated August 16, 2024.*

The Limited Phase II Investigation Activities were completed to investigate former uses of the Property and possible exceedances of certain VAP standards in soil and groundwater at the Property. The information gathered through these activities were used to evaluate the feasibility and cost to eliminate soil contamination through removal and disposal and/or in-situ treatment of impacted soils as well as to optimize a groundwater remediation plan. A copy of the report is included as **Appendix A**.

Partners advanced a total of 51 soil borings and installed 11 new groundwater monitoring wells. The boring and monitoring well locations are depicted in **Figure 2**.

Select soil samples were submitted for laboratory analysis based on a combination of historical information, field observations (visual or odor), PID screening results, the most likely depth of a release, and/or the potential point of compliance. Based on the conditions under assessment, soil samples were analyzed for VOCs by the USEPA Method 8260 (76 samples), SVOCs by USEPA Method 8270 (76 samples), TPH – GRO by USEPA Method 8015 (76 samples), TPH – DRO by USEPA Method 8015 (76 samples), and lead by USEPA Method 6010 (13 samples).

Groundwater samples were collected and submitted for laboratory analyses of VOCs by USEPA Method 8260 and SVOCs by USEPA Method 8270.

## **Results**

### **Subsurface Conditions**

The subsurface profile on the southern portion of the Property can be generalized as zero (0) to 10.5 feet of fill consisting of dark brown to black sand or clay with varying amounts of sand and gravel. Gravel fill is present in the former UST cavity. Underlying the fill material are gray clays with varying amounts of sand and fine gravel with a petroleum odor and varying amounts of interbedded sand and silt seams to the terminal depths of the borings. The subsurface profile on the southern bank of the stream can be generalized as 0.5 to three (3) feet of brown or gray clay with hydrocarbon odor overlying gray sands with hydrocarbon odor. Native soils were observed to have hydrocarbon odors and staining at various locations.

The subsurface profile on the northern portion of the Property can be generalized zero (0) to five (5) feet of brown fill sand overlying brown sandy clay and silty clay with varying amounts of hydrocarbon odors and staining in select locations.

### **Soil Analytical Results**

**VOCs:** Results of soil analytical testing indicate that 26 VOCs were detected in the soil samples at concentrations above laboratory reporting limits (RLs). All detected VOCs were below the respective Ohio VAP Generic Direct-Contact Standards (GDCS) and BUSTR Action Levels cited for comparison except for the following:

- Benzene was detected above the BUSTR Closure Action Level (0.246 milligrams per kilogram [mg/kg]) in the following samples:
  - DUP6324 (SB-09 4-6 FT) had a benzene concentration of 2.4 mg/kg, above the Closure and Delineation Action Levels. The SB-09 (4-6 FT) soil sample was non-detect for benzene.
  - SB-16 (8-10 FT) had a benzene concentration of 0.55 mg/kg, above the Closure Action Level.
  - SB-16 (10-12 FT) had a benzene concentration of 0.62 mg/kg, above the Closure Action Level.
  - MW-02 (6-8 FT) had a benzene concentration of 0.68 mg/kg, above the Closure Action Level.
  - MW-02 (10-12 FT) had a benzene concentration of 4.8 mg/kg, above the Closure and Delineation Action levels.
  - SB-32 (2-4 FT) had a benzene concentration of 1.1 mg/kg, above the Closure Action Level.
  
- Naphthalene was detected above the BUSTR Closure Action Level (0.511 mg/kg) in the following samples:
  - SB-09 (4-6 FT) had a naphthalene concentration of 5.1 mg/kg. DUP 6324 (SB-09 4-6 FT) had a naphthalene concentration of 1.6 mg/kg.
  - SB-11 (4-6 FT) had a naphthalene concentration of 3.7 mg/kg.
  - SB-13 (8-10 FT) had a naphthalene concentration of 8.2 mg/kg.
  - SB-14 (6-8 FT) had a naphthalene concentration of 4.3 mg/kg. DUP6424 (SB-14 6-8) had a naphthalene concentration of 7.4 mg/kg.
  - SB-16 (8-10 FT) had a naphthalene concentration of 5.9 mg/kg.
  - SB-16 (10-12 FT) had a naphthalene concentration of 4.8 mg/kg.
  - SB-17 (8-10 FT) had a naphthalene concentration of 1.0 mg/kg.
  - MW-02 (6-8 FT) had a naphthalene concentration of 4.2 mg/kg.
  - MW-02 (10-12 FT) had a naphthalene concentration of 4.8 mg/kg.
  - MW-06 (4-6 FT) had a naphthalene concentration of 2.1 mg/kg.
  - SB-32 (2-4 FT) had a naphthalene concentration of 0.95 mg/kg.
  - SB-34 (2-4 FT) had a naphthalene concentration of 0.63 mg/kg (estimated).
  - SB-35 (2-4 FT) had a naphthalene concentration of 5.4 mg/kg.
  - SB-35 (4-6 FT) had a naphthalene concentration of 5.5 mg/kg.
  - MW-08 (4-6 FT) had a naphthalene concentration of 0.91 mg/kg.
  - MW-08 (6-8 FT) had a naphthalene concentration of 1.5 mg/kg.
  - MW-10 (6-8 FT) had a naphthalene concentration of 6.2 mg/kg.
  - MW-10 (8-10 FT) had a naphthalene concentration of 0.62 mg/kg.
  - SB-28 (4-6 FT) had a naphthalene concentration of 11.8 mg/kg.
  - SB-28 (6-8 FT) had a naphthalene concentration of 6.0 mg/kg.
  
- 1,2,4-Trimethylbenzene was detected above the BUSTR Closure Action Level (2.37 mg/kg) in the following samples:
  - SB-09 (4-6 ft) had a 1,2,4-trimethylbenzene concentration of 25.1 mg/kg. DUP 6324 (SB-09 4-6 FT) had a 1,2,4-trimethylbenzene concentration of 5.9 mg/kg.
  - MW-02 (6-8 FT) had a 1,2,4-trimethylbenzene concentration of 3.4 mg/kg.
  - SB-35 (2-4 FT) had a 1,2,4-trimethylbenzene concentration of 15.2 mg/kg.
  - SB-35 (4-6 FT) had a 1,2,4-trimethylbenzene concentration of 10.6 mg/kg.
  - MW-08 (4-6 FT) had a 1,2,4-trimethylbenzene concentration of 5.8 mg/kg.
  - MW-08 (6-8 FT) had a 1,2,4-trimethylbenzene concentration of 5.8 mg/kg.
  - MW-10 (6-8 FT) had a 1,2,4-trimethylbenzene concentration of 29 mg/kg.
  - MW-10 (8-10 FT) had a 1,2,4-trimethylbenzene concentration of 14 mg/kg.

**SVOCs:** Laboratory results indicated that 15 SVOC were detected in soil samples at concentrations above laboratory RLs. All detected SVOCs were below the respective GDCS Standards and Ohio BUSTR Action Levels cited for comparison except for the following:

- Naphthalene was detected above the BUSTR Closure Action Level (0.511 mg/kg) in the following samples:
  - SB-15 (6-8 FT) had a naphthalene concentration of 0.84 mg/kg.
  - SB-16 (8-10 FT) had a naphthalene concentration of 1.3 mg/kg.
  - SB-16 (10-12 FT) had a naphthalene concentration of 1.2 mg/kg.
  - MW-02 (6-8 FT) had a naphthalene concentration of 1.3 mg/kg.
  - MW-02 (10-12 FT) had a naphthalene concentration of 1.5 mg/kg.
  - SB-32 (2-4 FT) had a naphthalene concentration of 1.0 mg/kg.
  - SB-34 (2-4 FT) had a naphthalene concentration of 1.1 mg/kg.
  - SB-35 (2-4 FT) had a naphthalene concentration of 0.53 mg/kg.
  - MW-08 (4-6 FT) had a naphthalene concentration of 2.2 mg/kg.
  - MW-08 (6-8 FT) had a naphthalene concentration of 1.8 mg/kg.
  - MW-10 (6-8 FT) had a naphthalene concentration of 7.8 mg/kg.
  - MW-10 (8-10 FT) had a naphthalene concentration of 1.7 mg/kg.
  - DUP 6524 (SB-26 8-10 FT) had a naphthalene concentration of 0.61 mg/kg.
  - SB-28 (4-6 FT) soil sample had a naphthalene concentration of 0.82 mg/kg.
  - SB-28 (6-8 FT) soil sample had a naphthalene concentration of 0.51 mg/kg.

**TPH:** Laboratory results indicated that three TPH analytes (GRO, DRO, and Oil Range Organics [ORO] ) were detected in soil samples at concentrations above laboratory RLs. All detected TPH analytes were below the respective Ohio BUSTR Action Levels cited for comparison except for the following:

- **GRO** was detected above the BUSTR Closure Action Level (1,000 mg/kg) for sand and gravel/unknown soil type in the following samples:
  - SB-13 (8-10 FT) had a GRO concentration of 1,350 mg/kg.
  - SB-28 (4-6 FT) had a GRO concentration of 1,680 mg/kg.
  - SB-28 (6-8 FT) had a GRO concentration of 1,190 mg/kg.
- **DRO** was detected above the BUSTR Closure Level (2,000 mg/kg) for sand and gravel/unknown soil type in the following samples:
  - SB-11 (4-6 FT) had a DRO concentration of 3,650 mg/kg.
  - SB-16 (8-10 FT) had a DRO concentration of 2,150 mg/kg.
  - MW-08 (4-6 FT) had a DRO concentration of 2,100 mg/kg.
  - SB-28 (4-6 FT) had a DRO concentration of 3,110 mg/kg.

**Lead:** Laboratory results indicated that lead was detected in 13 soil samples at concentrations above laboratory RLs. All detected lead concentrations were below the respective GDCS for Commercial/Industrial Land Use (800 mg/kg) and Construction/Excavation Activities (400 mg/kg) categories cited for comparison except for the following:

- HA-12 (0-2 FT) had a lead concentration of 790 mg/kg, above the GDCS for Construction and Excavation Activities category.
- HA-13 (0-2 FT) had a lead concentration of 1,600 mg/kg, above the GDCS for Commercial/Industrial Land Use and Construction/Excavation Activities categories.
- HA-03 (0-2 FT) had a lead concentration of 1,010 mg/kg, above the GDCS for Commercial/Industrial Land Use and Construction/Excavation Activities categories.
- HA-05 (0-2 FT) had a lead concentration of 479 mg/kg, above the GDCS for Commercial/Industrial Land Use category.

Soil exceedances above the standards cited for comparison are presented on **Figure 5A** through **Figure 5D** in the Phase II Investigation Report in **Appendix A**. Soil analytical results are presented on **Tables 2, 3, and 4**.

#### Groundwater Analytical Results

**VOCs:** Results of analytical testing indicate that 18 VOCs were detected in groundwater at concentrations above laboratory method detection limits (MDLs). All detected VOCs were below the applicable Ohio VAP Unrestricted Potable Use Standards (UPUS), USEPA Vapor Intrusion Screening Levels (VISL), and/or Ohio BUSTR Groundwater Ingestion and Groundwater to Indoor Air levels cited for comparison with the following exceptions:

- **Benzene** was detected above the UPUS level (5 micrograms per liter [ug/l]) and the BUSTR Groundwater Ingestion Level (5 ug/l) in the following samples:
  - MW-04 groundwater sample had a benzene concentration of 17 ug/l. The 2<sup>nd</sup> quarter groundwater sampling event (9/17/2024) was non-detect for benzene in MW-04.
  - MW-06 and corresponding DUP-01 groundwater samples had a benzene concentration of 120 ug/l. MW-06 had a benzene concentration of 210 ug/l for the 2<sup>nd</sup> quarterly groundwater sampling event.
- **Naphthalene** was detected above the UPUS level (1.7 ug/l) and the BUSTR Groundwater Ingestion Level (1.4 ug/l) in the following samples:
  - MW-06 and corresponding DUP-01 groundwater samples had a naphthalene concentration of 190 ug/l. MW-06 had a naphthalene concentration of 24 ug/l during the 2<sup>nd</sup> quarterly groundwater sampling event.

**SVOCs:** All SVOC analytical results were below the applicable Ohio VAP UPUS cited for comparison with the following exceptions:

- **1-Methylnaphthalene** was detected above the UPUS level (11 ug/l) in the following sample:
  - MW-06 and corresponding DUP-01 groundwater samples had a 1-Methylnaphthalene concentration of 25 and 24.8 ug/l above the Ohio VAP UPUS. MW-06 had a 1-methylnaphthalene concentration of 12.8 ug/l during the 2<sup>nd</sup> quarterly groundwater sampling event.
- **Naphthalene** was detected above the UPUS level (1.7 ug/l) and the BUSTR Groundwater Ingestion Level (1.4 ug/l) in the below sample:
  - MW-06 and corresponding DUP-01 groundwater samples had a benzene concentration of 59.4 and 60 ug/l, above the Ohio VAP UPUS. MW-06 had a naphthalene concentration of 33 ug/l during the 2<sup>nd</sup> quarterly groundwater sampling event.

Groundwater exceedances above the standards cited for comparison are presented on **Figure 6A** and **Figure 6B** in the Phase II Investigation Report in **Appendix A**. Groundwater analytical results are included on **Tables 5 and 6**.

#### Remedial Investigation Recommendations:

Based on findings from the Phase II Investigation, further assessment of soil is warranted to delineate impacts of lead found at concentrations exceeding cited comparison standards in IA-02, IA-03, and IA-04.



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Further steps would include additional soil borings and analytical testing in the vicinity of lead soil exceedances, and/or the excavation and disposal of impacted soils from the Property.

#### Groundwater Assessment Recommendations

Based on the findings in the Phase II Investigation, further assessment of the groundwater is warranted to delineate free phase LNAPL in MW-02 and MW-10, as well as VOC and SVOC concentrations in IA-02 and IA-04. Next steps should include continuing LNAPL recovery at MW-02 and MW-10 and the installation of additional monitoring wells to further delineate impacts of VOCs, SVOCs, and extent of free phase LNAPL in IA-02 and IA-03.

Partners recommended a Remedial Action Plan be developed to address soils impacted by VOCs, SVOCs, TPH and lead, and groundwater impacted by free phase LNAPL, VOCs, and SVOCs to ensure VISL standards are not, and will not be, exceeded at the Property boundary.

The area of potential redevelopment was described as demolition of the buildings on the Property, with redevelopment by the Columbiana County Land Bank to continue using the land as commercial/industrial. The remedial action area for soil consists of an 2,650-square foot portion of the area south of Sulphur Run, and approximately 260-square feet in the former AST farm north of Sulphur Run. The location and extents of the remedial action areas are shown on **Figure 3** and **Figure 4**.

#### Free Product Recovery Completed To-Date

Free product recovery by Partners at the Property took place between August and September 2024. It was noted that MW-02 and MW-10 contained free product on all events, the details are shown below:

- August 1, 2024: MW-02 depth to free product, 7.38 feet below top of casing (TOC), total free product recovered, 550 milliliters (mL). MW-10 depth to free product, 11.94 feet below TOC, total recovered 4.6 gallons (about 17.5 liters [L]).
- August 14, 2024: MW-02 depth to free product, 7.44 feet below TOC, total recovered, 700 mL. MW-10 depth to free product, 12.03 feet below TOC, total recovered 3 L.
- August 30, 2024: MW-02 depth to free product, 7.59 feet below TOC, total recovered, 0.7 L. MW-10 depth to free product, 12.21 feet below TOC, total recovered 3.9 L.
- September 19, 2024: MW-02 depth to free product, 7.71 feet below TOC, total recovered 1.4 L. MW-10 depth to free product, 12.40 feet below TOC, total recovered 4.7 L.
- September 30, 2024: MW-02 depth to free product, 7.50 feet below TOC, total recovered 0.4 L. MW-10 depth to free product, 12.35 feet below TOC, total recovered 3.3 L.

Free product is still present on both sides of Sulphur Run, creek, and recovery efforts will continue at this time with the possibility of future delineation. A summary of Free Product Recovery Table and Well gauging information is presented below:

Monitoring Well ID	Date	Relative Elevation (ft) <sup>1</sup>		Depth to Product (ft)	Depth to Water (ft)	Product Thickness (ft)	Relative Groundwater Elevation (ft)	Free Product Recovery	
		Ground Surface	Top of Inner Casing (TOC)					Product Recovered (ml)	Groundwater Recovered (ml)
MW-02	7/2/2024	98.01	97.57	7.34	7.81	0.47	90.11	NA	NA
MW-02	7/8/2024	98.01	97.57	7.04	7.48	0.44	90.42	1000.00	3000.00
MW-02	7/12/2024	98.01	97.57	7.31	7.65	0.34	90.18	300.00	NA
MW-02	8/1/2024	98.01	97.57	7.38	7.77	0.39	90.09	550.00	NA
MW-02	8/15/2024	98.01	97.57	7.44	7.95	0.51	90.00	700.00	1000.00
MW-02	8/30/2024	98.01	97.57	7.59	7.93	0.34	89.90	700.00	300.00
MW-02	9/19/2024	98.01	97.57	7.71	8.14	0.43	89.75	1400.00	0.00
MW-02	9/30/2024	98.01	97.57	7.5	7.58	0.08	90.05	400.00	0.00
MW-10	7/2/2024	100.29	102.98	11.82	12.28	0.46	91.05	NA	NA
MW-10	7/8/2024	100.29	102.98	11.43	11.78	0.35	91.46	250.00	2000.00
MW-10	7/12/2024	100.29	102.98	11.67	12.03	0.36	91.22	350.00	NA
MW-10	8/1/2024	100.29	102.98	11.94	13.60	1.66	90.63	4600.00	NA
MW-10	8/15/2024	100.29	102.98	12.03	13.34	1.31	90.62	3500.00	0.00
MW-10	8/30/2024	100.29	102.98	12.21	13.64	1.43	90.41	3900.00	0.00
MW-10	9/19/2024	100.29	102.98	12.4	13.94	1.54	90.20	4700.00	0.00
MW-10	9/30/2024	100.29	102.98	12.35	13.33	0.98	90.39	3300.00	0.00
<b>Totals:</b>								25650.00	6300.00

**Notes**

1. ft = Feet

NA = Not Applicable

Relative elevations have been adjusted for the presence of free product.

The Groundwater Elevation Table and Free Product Recovery Table are included on **Tables 1** and **1A**.

**Stockpile Sampling**

A proposal titled *Proposal for Corrective Action Waste Disposal, Leake Oil Property, 448 East Taggart Street, East Palestine, Columbiana County, Ohio 44413*, was prepared by Partners and dated August 8, 2024. Partners has not yet been granted approval for the proposed scope of work.

The scope of work identified Environmental Remediation Contractor (ERC) to profile, load, manifest and transport approximately 80 yards (120 tons) of petroleum contaminated soil (PCS) that is currently stockpiled at the Property. Partners plans to oversee and document ERC's effort to load, transport and dispose of the PCS, in addition, ERC will also load, transport and dispose of one (1) drum of liquid identified as hydraulic oil and four (4) drums of spent absorbent booms. A summary letter report will be prepared to document site activities and will include the waste profiles, manifests, disposal tickets and photographs.

**1.4 Planned Redevelopment**

It is Partners' understanding that the potential redevelopment will include the demolition of the buildings on the Property with the potential for new construction and continued use of the Property as a commercial/industrial site.

**2.0 REMEDIAL INVESTIGATION**

The Property is not presently subject to Ohio VAP; however, the RAP has been completed in accordance with Ohio VAP protocols and methods. The RAP is designed to address areas of the Property impacted by VOCs, TPH, SVOCs, free product, and lead located in the northern and southern portions of the Property.

Surficial soil sampling (0-2' bgs) for lead impacted soils around the former truck repair building on the southern portion of the Property revealed exceedances in limited surficial soil sampling. To further

determine the extent of lead impacts around the building, additional surficial soil sampling should be conducted to delineate lead impacts around the building prior to excavation of lead impacted surficial soil. When the extents of lead impacted soil are determined, treatment will include mixing of lead impacted surficial soils with chemical additives that will stabilize the lead so that the excavated soil can be loaded onto trucks and transported for offsite disposal and accepted as non-hazardous waste at a pre-authorized and approved certified receiving facility. Proposed sampling locations for lead are presented on **Figure 3**.

## 2.1 Remedial Action

This RAP addresses the three (3) soil remedial action areas (RAA) and two (2) groundwater RAAs listed above. The soil remedial action areas consist of an approximately 3,075-square foot area located on the southern portion of the Property around the former pump house (RAA-02), an approximately 1,270-square foot area under the former truck repair and pump island building (RAA-03), and a total of 940-square feet in the area of the former AST farm north of Sulphur Run creek (RAA-01). The groundwater remedial action areas consists of the approximately 3,075-square foot area that encompasses the soil remediation area around the former pump house (RAA-02), and the approximately 940-square foot area near the former AST farm north of Sulphur Run creek that encompasses the soil remediation area RAA-01. The remedial action areas are presented on **Figure 4**.

The Remedial Action Areas are described as follows:

RAA-01: AST Area (north of Sulphur Run) – approximately 940-square feet total.

- The area surrounding and under the easternmost AST where lead exceedances were present in surficial soils (HA-12 and HA-13).
- The area south of the three (3) vertical ASTs where free product is present in MW-10, and TPH, SVOC and VOC exceedances were present in soil (MW-08 and MW-10).

RAA-02: (IA-2) Area around Former Pump House and Sulphur Run bank-approximately 3,075-square feet.

- This area includes the presence of free product in MW-02, and TPH, VOC, and/or SVOC impacts to soil and/or groundwater (SB-09, SB-11, SB-13, SB-14, SB-16, SB-17, SB-32, SB-34, SB-35, MW-02, MW-04 and/or MW-06).

RAA-03: (IA-4) Former truck repair building and former pump island area-approximately 1,270-square feet.

- This area includes lead (HA-03 and HA-05), and TPH and SVOC impacts in soil (SB-26 and SB-28).

The soil remedial action includes the following tasks:

- Remedial investigation of lead impacted surficial (0-2' bgs) soil around the former truck repair building in the southern portion of the Property.
- Treatment and excavation of lead impacted soils around the easternmost AST on the northern portion of the property (RAA-01) and areas around the former truck repair building on the southern portion of the Property (RAA-03) following the remedial investigation task to delineate the extent of lead impacts around the building. Treatment will include mixing of lead impacted surficial soils with chemical additives that will stabilize the lead so that the excavated soil can be loaded onto trucks and transported for offsite disposal and accepted as non-hazardous waste at a pre-authorized and approved certified receiving facility. At this time, a total of 58 to 150 tons of lead impacted soil is estimated to be treated and excavated; however, this area will be further delineated.



- Excavation of TPH, VOC, and SVOC impacted soil in the area of the Former Pump House (RAA-02). Soil will be excavated to a depth of approximately eight (8) feet bgs or first encounter of groundwater. It is estimated that approximately 1,367 tons (912 cubic yards) of soil will be transported and disposed of at a licensed landfill facility.
- Mixing of the upper two (2) feet of the saturated zone (approximately eight (8) to 10 feet bgs) with chemical oxidation materials or biological degradation enhancing materials prior to backfilling to break down TPH, VOC, and SVOC impacts in the saturated zone in the area of the Former Pump House (RAA-02), and the area around MW-08 and MW-10 (RAA-01). It is estimated that approximately 418 tons (297 cubic yards) of soil will be treated in-situ in the saturated zones.
- Confirmation testing of soils in impacted areas to ensure removal of all impacted areas.

## 2.2 Groundwater Remedial Actions

Groundwater Remedial Action includes the following tasks:

- Decommissioning of groundwater monitoring wells to facilitate excavation activities.
- Free product removal during excavation activities.
- After excavating soils in the areas where free product has been encountered and/or VOC and SVOC exceedances have been encountered in groundwater, free product and groundwater in the excavation area will be recovered via a vac truck and/or a trash pump and placed in Frac Tanks on the Property for disposal. Recovery of free product will occur during excavation activities, during treatment of saturated soils, and prior to backfilling of the excavation areas.
- Mixing of the upper two (2) feet of the saturated zone (approximately eight (8) to 10 feet bgs) with chemical oxidation materials or biological degradation enhancing materials prior to backfilling to break down TPH, VOC, and SVOC impacts in the saturated zone in the area of the Former Pump House (RAA-02), and the area around MW-08 and MW-10 (RAA-01). It is estimated that approximately 418 tons (297 cubic yards) of soil will be treated in-situ in the saturated zones.
- Re-installation of groundwater monitoring wells.
- After excavation, recovery, treatment of saturated soils, and backfilling, the monitoring wells will be re-installed in previous locations of impact to monitor any remaining impacts at the Property..

## 2.3 Remedial Soil Confirmation and Groundwater Sampling

Soil samples will be collected post excavation from sidewalls of the VOC/SVOC/TPH excavation areas to confirm removal of impacted areas. Soil samples from the lead impacted excavation areas will be collected from the sidewalls and floors of the excavation areas. After reinstallation of monitoring wells, four (4) monitoring well low-flow sampling events will occur quarterly to assess groundwater conditions post-remediation.

## 2.4 Remedial Completion Reporting

Soil and groundwater remediation contractors will provide documentation to Partners including actual quantities of soil disposed of and imported as backfill, compaction records, actual injection locations, depth intervals and volumes injected. Upon completion of the remedial activities described above, a completion report will be prepared by Partners. The report will provide data and supporting documentation demonstrating the effectiveness of the remedial actions and recommendations for any required ongoing monitoring.

### 3.0 CLOSING

Thank you for the opportunity to serve your needs. Please call us at (800) 763-1363 if you have any questions or if we can be of any further assistance.

Sincerely,  
**Partners**

**DRAFT**

Jeremy R. Kendle  
Project Manager

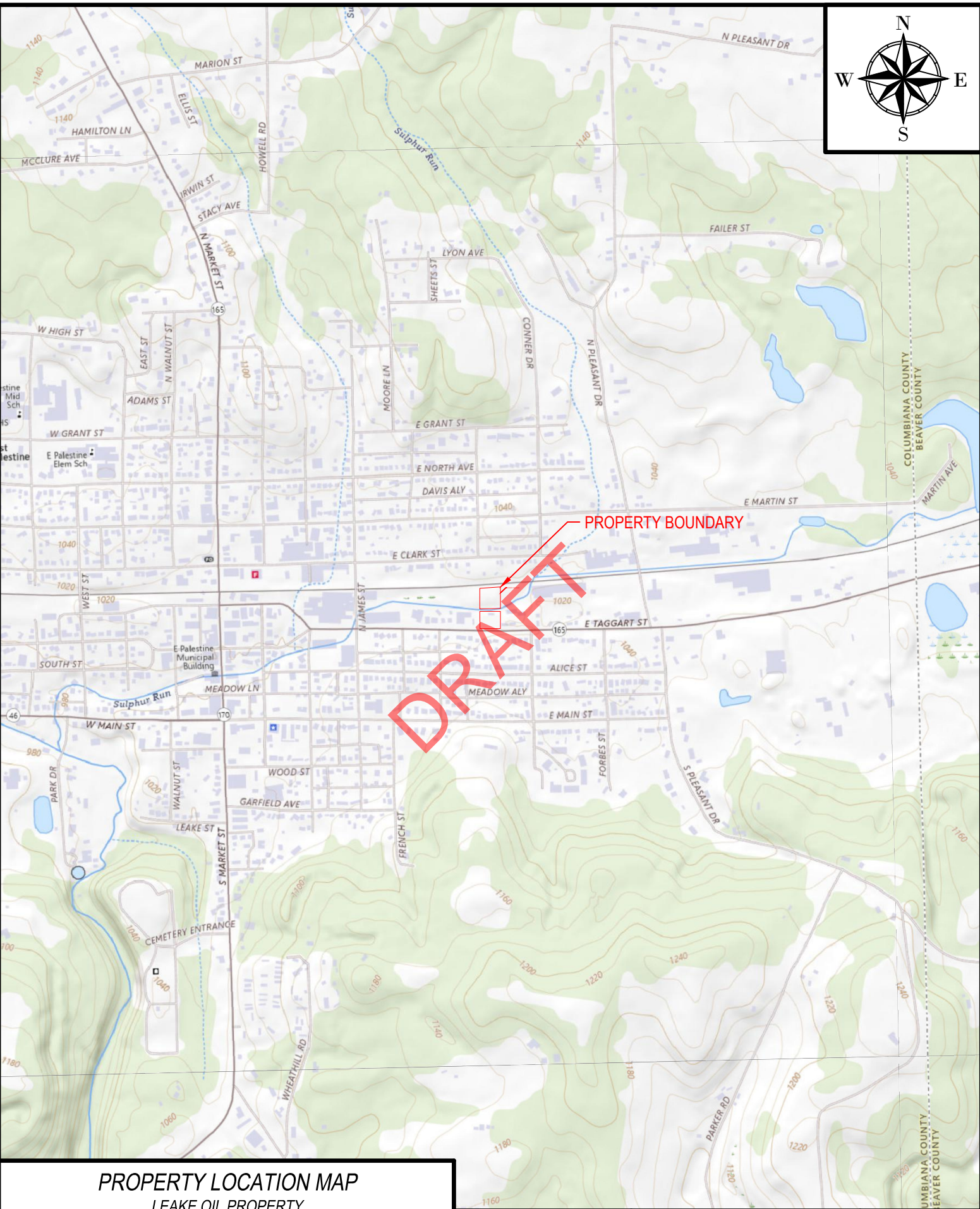
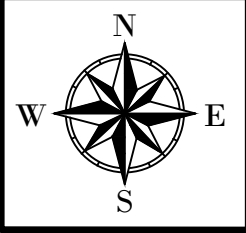
**DRAFT**

John T. Garvey, PG, CPG  
Vice President

**DRAFT**

**FIGURES**

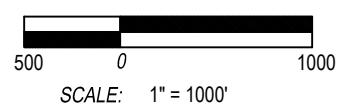
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### PROPERTY LOCATION MAP

LEAKE OIL PROPERTY  
EAST PALESTINE  
COLUMBIA COUNTY, OHIO  
FOR: OHIO EPA DERR  
2296.17

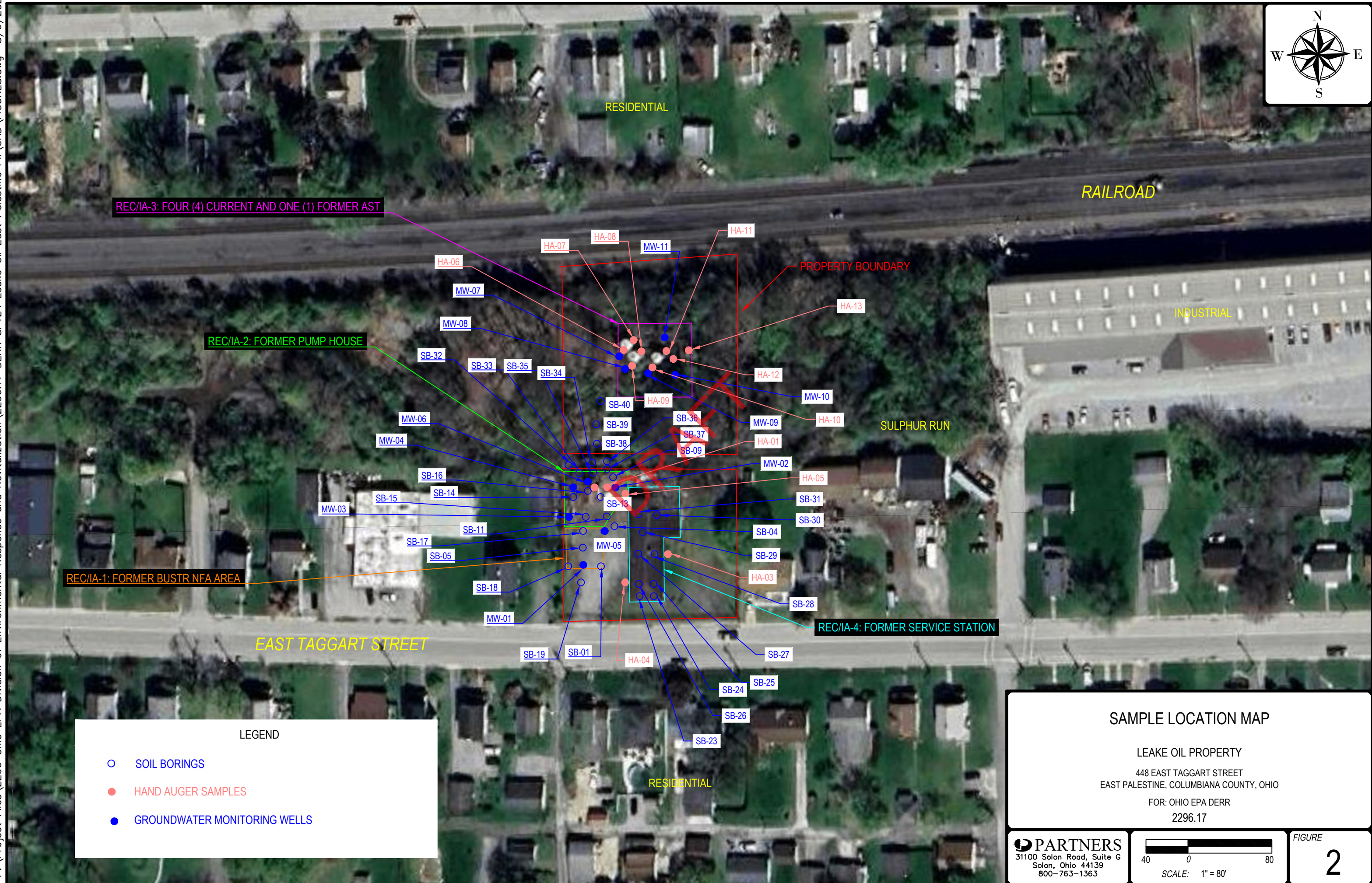
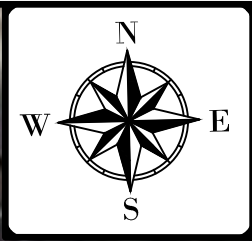
**PARTNERS**  
31100 Solon Road, Suite G  
Solon, Ohio 44139  
800-763-1363



FIGURE

1





REC/IA-3: FOUR (4) CURRENT AND ONE (1) FORMER AST

REC/IA-2: FORMER PUMP HOUSE

REC/IA-1: FORMER BUSTR NFA AREA

REC/IA-4: FORMER SERVICE STATION

**LEGEND**

- SOIL BORINGS
- HAND AUGER SAMPLES
- GROUNDWATER MONITORING WELLS

**SAMPLE LOCATION MAP**

LEAKE OIL PROPERTY  
 448 EAST TAGGART STREET  
 EAST PALESTINE, COLUMBIANA COUNTY, OHIO

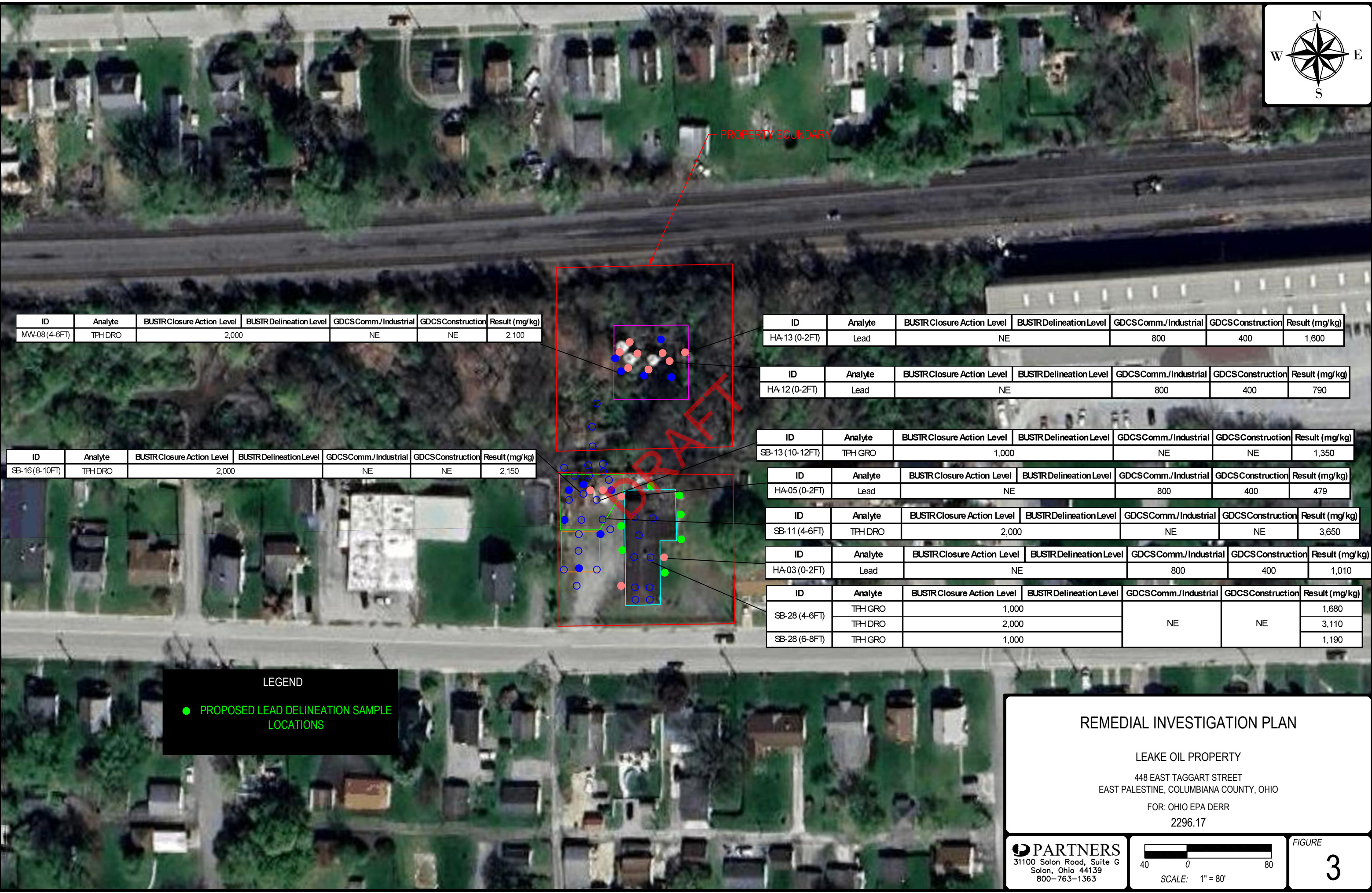
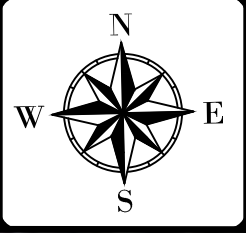
FOR: OHIO EPA DERR  
 2296.17

**PARTNERS**  
 31100 Solon Road, Suite G  
 Solon, Ohio 44139  
 800-763-1363

40 0 80  
 SCALE: 1" = 80'

FIGURE  
 2





ID	Analyte	BUSTRClosure Action Level	BUSTRDelineation Level	GDCSComm./Industrial	GDCSConstruction	Result (mg/kg)
MW-08 (4-6FT)	TPH DRO	2,000		NE	NE	2,100

ID	Analyte	BUSTRClosure Action Level	BUSTRDelineation Level	GDCSComm./Industrial	GDCSConstruction	Result (mg/kg)
SB-16 (8-10FT)	TPH DRO	2,000		NE	NE	2,150

ID	Analyte	BUSTRClosure Action Level	BUSTRDelineation Level	GDCSComm./Industrial	GDCSConstruction	Result (mg/kg)
HA-13 (0-2FT)	Lead		NE	800	400	1,600

ID	Analyte	BUSTRClosure Action Level	BUSTRDelineation Level	GDCSComm./Industrial	GDCSConstruction	Result (mg/kg)
HA-12 (0-2FT)	Lead		NE	800	400	790

ID	Analyte	BUSTRClosure Action Level	BUSTRDelineation Level	GDCSComm./Industrial	GDCSConstruction	Result (mg/kg)
SB-13 (10-12FT)	TPH GRO	1,000		NE	NE	1,350

ID	Analyte	BUSTRClosure Action Level	BUSTRDelineation Level	GDCSComm./Industrial	GDCSConstruction	Result (mg/kg)
HA-05 (0-2FT)	Lead		NE	800	400	479

ID	Analyte	BUSTRClosure Action Level	BUSTRDelineation Level	GDCSComm./Industrial	GDCSConstruction	Result (mg/kg)
SB-11 (4-6FT)	TPH DRO	2,000		NE	NE	3,650

ID	Analyte	BUSTRClosure Action Level	BUSTRDelineation Level	GDCSComm./Industrial	GDCSConstruction	Result (mg/kg)
HA-03 (0-2FT)	Lead		NE	800	400	1,010

ID	Analyte	BUSTRClosure Action Level	BUSTRDelineation Level	GDCSComm./Industrial	GDCSConstruction	Result (mg/kg)
SB-28 (4-6FT)	TPH GRO	1,000		NE	NE	1,680
	TPH DRO	2,000	3,110			
	TPH GRO	1,000	1,190			

**LEGEND**  
● PROPOSED LEAD DELINEATION SAMPLE LOCATIONS

**REMEDIAL INVESTIGATION PLAN**  
 LEAKE OIL PROPERTY  
 448 EAST TAGGART STREET  
 EAST PALESTINE, COLUMBIANA COUNTY, OHIO  
 FOR: OHIO EPA DERR  
 2296.17

**PARTNERS**  
 31100 Solon Road, Suite G  
 Solon, Ohio 44139  
 800-763-1363

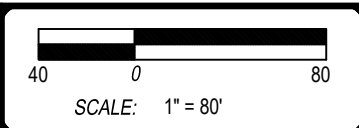
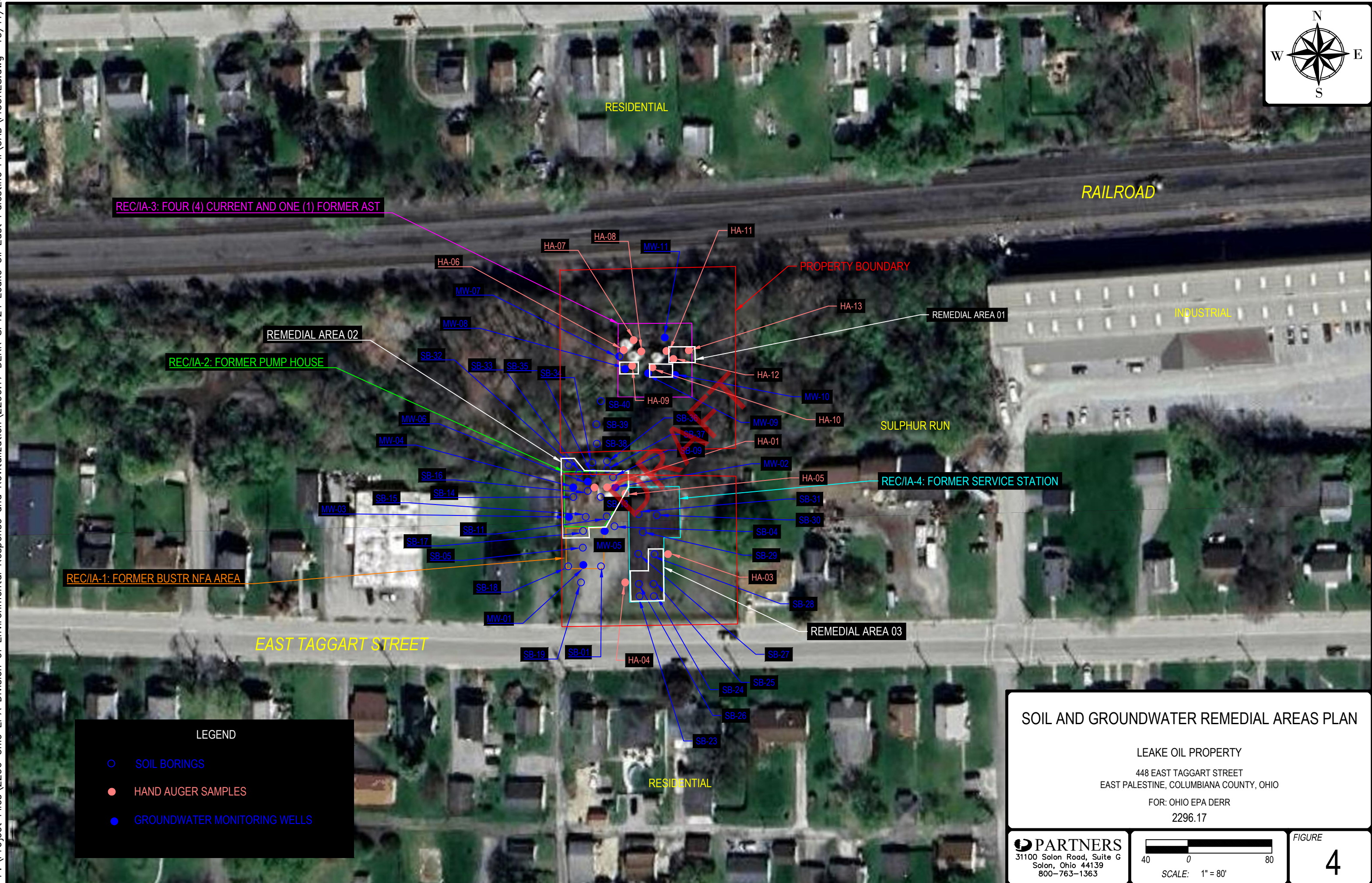
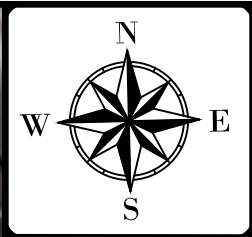


FIGURE  
3





REC/IA-3: FOUR (4) CURRENT AND ONE (1) FORMER AST

REC/IA-2: FORMER PUMP HOUSE

REC/IA-1: FORMER BUSTR NFA AREA

REC/IA-4: FORMER SERVICE STATION

**LEGEND**

- SOIL BORINGS
- HAND AUGER SAMPLES
- GROUNDWATER MONITORING WELLS

**SOIL AND GROUNDWATER REMEDIAL AREAS PLAN**

LEAKE OIL PROPERTY  
 448 EAST TAGGART STREET  
 EAST PALESTINE, COLUMBIANA COUNTY, OHIO  
 FOR: OHIO EPA DERR  
 2296.17

**PARTNERS**  
 31100 Solon Road, Suite G  
 Solon, Ohio 44139  
 800-763-1363

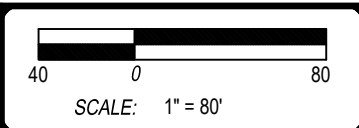


FIGURE  
**4**



**TABLES**

DRAFT



**Table 1**  
**Monitor Well Gauging Information and Groundwater Elevations**  
**Former Leake Oil**  
**448 E. Taggart Street, East Palestine, Ohio**

Monitoring Well ID	Date	Relative Elevation (ft) <sup>1</sup>		Depth to Product (ft)	Depth to Water (ft)	Product Thickness (ft)	Relative Groundwater Elevation (ft)
		Ground Surface	Top of Inner Casing (TOC)				
MW-01	7/2/2024	98.61	99.06	NA	6.53	NA	92.53
MW-01	7/8/2024	98.61	99.06	NA	6.46	NA	92.60
MW-01	8/1/2024	98.61	99.06	NA	6.85	NA	92.21
MW-01	8/15/2024	98.61	99.06	NA	6.84	NA	92.22
MW-01	8/30/2024	98.61	99.06	NA	7.04	NA	92.02
MW-01	9/19/2024	98.61	99.06	NA	7.41	NA	91.65
MW-01	9/30/2024	98.61	99.06	NA	7.57	NA	91.49
MW-02	7/2/2024	98.01	97.57	7.34	7.81	0.47	90.11
MW-02	7/2/2024	98.01	97.57	7.04	7.48	0.44	90.42
MW-02	8/1/2024	98.01	97.57	7.38	7.77	0.39	90.09
MW-02	8/15/2024	98.01	97.57	7.44	7.95	0.51	90.00
MW-02	8/30/2024	98.01	97.57	7.59	7.93	0.34	89.90
MW-02	9/19/2024	98.01	97.57	7.71	8.14	0.43	89.75
MW-02	9/30/2024	98.01	97.57	7.5	7.58	0.08	90.05
MW-03	7/2/2024	98.20	97.92	NA	7.70	NA	90.22
MW-03	7/8/2024	98.20	97.92	NA	6.73	NA	91.19
MW-03	8/1/2024	98.20	97.92	NA	6.99	NA	90.93
MW-03	8/15/2024	98.20	97.92	NA	7.82	NA	90.10
MW-03	8/30/2024	98.20	97.92	NA	7.00	NA	90.92
MW-03	9/19/2024	98.20	97.92	NA	8.19	NA	89.73
MW-03	9/30/2024	98.20	97.92	NA	6.38	NA	91.54
MW-04	7/2/2024	98.04	97.78	NA	7.53	NA	90.25
MW-04	7/8/2024	98.04	97.78	NA	7.22	NA	90.56
MW-04	8/1/2024	98.04	97.78	NA	7.54	NA	90.24
MW-04	8/15/2024	98.04	97.78	NA	7.53	NA	90.25
MW-04	8/30/2024	98.04	97.78	NA	7.69	NA	90.09
MW-04	9/19/2024	98.04	97.78	NA	7.83	NA	89.95
MW-04	9/30/2024	98.04	97.78	NA	7.59	NA	90.19
MW-05	7/2/2024	98.32	97.85	NA	6.38	NA	91.47
MW-05	7/8/2024	98.32	97.85	NA	6.18	NA	91.67
MW-05	8/1/2024	98.32	97.85	NA	6.68	NA	91.17
MW-05	8/15/2024	98.32	97.85	NA	6.83	NA	91.02
MW-05	8/30/2024	98.32	97.85	NA	6.97	NA	90.88
MW-05	9/19/2024	98.32	97.85	NA	7.32	NA	90.53
MW-05	9/30/2024	98.32	97.85	NA	6.85	NA	91.00
MW-06	7/2/2024	97.20	96.89	NA	6.64	NA	90.25
MW-06	7/8/2024	97.20	96.89	NA	6.32	NA	90.57
MW-06	8/1/2024	97.20	96.89	NA	7.65	NA	89.24
MW-06	8/15/2024	97.20	96.89	NA	6.69	NA	90.20
MW-06	8/30/2024	97.20	96.89	NA	6.79	NA	90.10
MW-06	9/19/2024	97.20	96.89	NA	6.97	NA	89.92
MW-06	9/30/2024	97.20	96.89	NA	6.68	NA	90.21
MW-07	7/2/2024	101.17	104.13	NA	13.44	NA	90.69
MW-07	7/8/2024	101.17	104.13	NA	13.16	NA	90.97
MW-07	8/1/2024	101.17	104.13	NA	13.64	NA	90.49
MW-07	8/15/2024	101.17	104.13	NA	13.68	NA	90.45
MW-07	8/30/2024	101.17	104.13	NA	13.90	NA	90.23
MW-07	9/19/2024	101.17	104.13	NA	14.17	NA	89.96
MW-07	9/30/2024	101.17	104.13	NA	14.07	NA	90.06
MW-08	7/2/2024	98.14	103.42	NA	12.76	NA	90.66
MW-08	7/8/2024	98.14	103.42	NA	12.47	NA	90.95
MW-08	8/1/2024	98.14	103.42	NA	12.97	NA	90.45
MW-08	8/15/2024	98.14	103.42	NA	13.03	NA	90.39
MW-08	8/30/2024	98.14	103.42	NA	13.21	NA	90.21
MW-08	9/19/2024	98.14	103.42	NA	13.44	NA	89.98
MW-08	9/30/2024	98.14	103.42	NA	13.37	NA	90.05
MW-09	7/2/2024	100.10	103.51	NA	12.94	NA	90.57
MW-09	7/8/2024	100.10	103.51	NA	12.69	NA	90.82
MW-09	8/1/2024	100.10	103.51	NA	12.89	NA	90.62
MW-09	8/15/2024	100.10	103.51	NA	13.16	NA	90.35
MW-09	8/30/2024	100.10	103.51	NA	13.33	NA	90.18
MW-09	9/19/2024	100.10	103.51	NA	13.57	NA	89.94
MW-09	9/30/2024	100.10	103.51	NA	13.44	NA	90.07
MW-10	7/2/2024	100.29	102.98	11.82	12.28	0.46	91.05
MW-10	7/8/2024	100.29	102.98	11.43	11.78	0.35	91.46
MW-10	8/1/2024	100.29	102.98	11.94	13.6	1.66	90.63
MW-10	8/15/2024	100.29	102.98	12.03	13.34	1.31	90.62
MW-10	8/30/2024	100.29	102.98	12.21	13.64	1.43	90.41
MW-10	9/19/2024	100.29	102.98	12.4	13.94	1.54	90.20
MW-10	9/30/2024	100.29	102.98	12.35	13.33	0.98	90.39
MW-11	7/2/2024	101.32	103.87	NA	12.56	NA	91.31
MW-11	7/8/2024	101.32	103.87	NA	12.26	NA	91.61
MW-11	8/1/2024	101.32	103.87	NA	12.89	NA	90.98
MW-11	8/15/2024	101.32	103.87	NA	12.62	NA	91.25
MW-11	8/30/2024	101.32	103.87	NA	13.2	NA	90.67
MW-11	9/19/2024	101.32	103.87	NA	13.63	NA	90.24
MW-11	9/30/2024	101.32	103.87	NA	13.67	NA	90.20

**Notes**

1. ft = Feet

NA = Not Applicable

Highlighted relative elevations have been adjusted for the presence of free product.

**Table 1A**  
**Free Product Gauging and Recovery Table**  
**Former Leake Oil**  
**448 E. Taggart Street, East Palestine, Ohio**

Monitoring Well ID	Date	Relative Elevation (ft) <sup>1</sup>		Depth to Product (ft)	Depth to Water (ft)	Product Thickness (ft)	Relative Groundwater Elevation (ft)	Free Product Recovery	
		Ground Surface	Top of Inner Casing (TOC)					Product Recovered (ml)	Groundwater Recovered (ml)
MW-02	7/2/2024	98.01	97.57	7.34	7.81	0.47	90.11	NA	NA
MW-02	7/8/2024	98.01	97.57	7.04	7.48	0.44	90.42	1000.00	3000.00
MW-02	7/12/2024	98.01	97.57	7.31	7.65	0.34	90.18	300.00	NA
MW-02	8/1/2024	98.01	97.57	7.38	7.77	0.39	90.09	550.00	NA
MW-02	8/15/2024	98.01	97.57	7.44	7.95	0.51	90.00	700.00	1000.00
MW-02	8/30/2024	98.01	97.57	7.59	7.93	0.34	89.90	700.00	300.00
MW-02	9/19/2024	98.01	97.57	7.71	8.14	0.43	89.75	1400.00	0.00
MW-02	9/30/2024	98.01	97.57	7.5	7.58	0.08	90.05	400.00	0.00
MW-10	7/2/2024	100.29	102.98	11.82	12.28	0.46	91.05	NA	NA
MW-10	7/8/2024	100.29	102.98	11.43	11.78	0.35	91.46	250.00	2000.00
MW-10	7/12/2024	100.29	102.98	11.67	12.03	0.36	91.22	350.00	NA
MW-10	8/1/2024	100.29	102.98	11.94	13.60	1.66	90.63	4600.00	NA
MW-10	8/15/2024	100.29	102.98	12.03	13.34	1.31	90.62	3500.00	0.00
MW-10	8/30/2024	100.29	102.98	12.21	13.64	1.43	90.41	3900.00	0.00
MW-10	9/19/2024	100.29	102.98	12.4	13.94	1.54	90.20	4700.00	0.00
MW-10	9/30/2024	100.29	102.98	12.35	13.33	0.98	90.39	3300.00	0.00
<b>Totals:</b>								25650.00	6300.00

**Notes**

1. ft = Feet

NA = Not Applicable

Relative elevations have been adjusted for the presence of free product.

**Table 2**  
**Summary of VOCs in Soil**  
**Former Leake Oil**

448 E. Taggart Street, East Palestine, Ohio					IA-01										
Sample ID (Depth <sup>1</sup> )		VAP Standard		BUSTR <sup>5</sup>	SB-01 (2-4 FT)	SB-01 (16-18 FT)	SB-05 (0-2 FT)	SB-05 (10-12FT)	SB-18 (0-2 FT)	SB-18 (2-4 FT)	SB-19 (2-4 FT)	SB-19 (4-6 FT)	MW-01 (2-4 FT)	MW-01 (4-6 FT)	SB-04 (2-4 FT)
Parameter	Units <sup>2</sup>	GDGS Commercial & Industrial Land Use <sup>4</sup>	GDGS Construction & Excavation Activities <sup>3</sup>	Closure Action Levels	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/3/2024
					Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
<b>Volatile Organic Compounds - VOCs</b>															
Acetone	mg/kg	110,000	110,000	NE	0.11	0.027	0.0047 U	0.011J	0.0052 U	0.0052 U	0.069	0.044	0.0060 U	0.11	0.073
Benzene	mg/kg	130	1,200	0.246	0.00061 U	0.00054 U	0.00051 U	0.00056 U	0.00056 U	0.00057 U	0.00066 U	0.00064 U	0.00066 U	0.00068 U	0.00059 U
Bromobenzene	mg/kg	NE	NE	NE	0.00061 U	0.00054 U	0.00051 U	0.00056 U	0.00056 U	0.00057 U	0.00066 U	0.00064 U	0.00066 U	0.00068 U	0.00059 U
Bromochloromethane	mg/kg	300	33	NE	0.00061 U	0.00054 U	0.00051 U	0.00056 U	0.00056 U	0.00057 U	0.00066 U	0.00064 U	0.00066 U	0.00068 U	0.00059 U
Bromodichloromethane	mg/kg	33	300	NE	0.00086 U	0.00077 U	0.00073 U	0.00079 U	0.00080 U	0.00081 U	0.00094 U	0.00090 U	0.00093 U	0.00097 U	0.00083 U
Bromoform	mg/kg	910	910	NE	0.00063 U	0.00057 U	0.00054 U	0.00058 U	0.00058 U	0.00059 U	0.00069 U	0.00066 U	0.00068 U	0.00071 U	0.00061 U
Bromomethane	mg/kg	76	550	NE	0.00063 U	0.00057 U	0.00054 U	0.0013J	0.0019J	0.00059 U	0.00069 U	0.00066 U	0.00068 U	0.00071 U	0.00061 U
2-Butanone (MEK)	mg/kg	28,000	28,000	NE	0.014	0.0035 U	0.0033 U	0.0036 U	0.0036 U	0.0036 U	0.0076J	0.0073J	0.0042 U	0.011J	0.013
n-Butylbenzene	mg/kg	178 <sup>6</sup>	178 <sup>8</sup>	NE	0.00061 U	0.00054 U	0.00051 U	0.00056 U	0.00056 U	0.00057 U	0.00066 U	0.00064 U	0.00066 U	0.00068 U	0.00059 U
tert-Butylbenzene	mg/kg	215 <sup>8</sup>	215 <sup>8</sup>	NE	0.00067 U	0.00060 U	0.00057 U	0.00061 U	0.00062 U	0.00063 U	0.00073 U	0.00070 U	0.00072 U	0.00075 U	0.00064 U
sec-Butylbenzene	mg/kg	764 <sup>8</sup>	764 <sup>8</sup>	NE	0.00061 U	0.00054 U	0.00093J	0.00056 U	0.00056 U	0.00057 U	0.00066 U	0.00064 U	0.00066 U	0.00068 U	0.00059 U
Carbon Disulfide	mg/kg	740	740	NE	0.0015J	0.00069 U	0.00092J	0.00070 U	0.00071 U	0.00072 U	0.00083 U	0.00080 U	0.00083 U	0.00086 U	0.00074 U
Carbon tetrachloride	mg/kg	74	460	NE	0.00062 U	0.00055 U	0.00052 U	0.00057 U	0.00057 U	0.00058 U	0.00068 U	0.00065 U	0.00067 U	0.00070 U	0.00060 U
Chlorobenzene	mg/kg	760	760	NE	0.00062 U	0.00055 U	0.00052 U	0.00057 U	0.00057 U	0.00058 U	0.00068 U	0.00065 U	0.00067 U	0.00070 U	0.00060 U
Chlorodibromomethane	mg/kg	84	1,600	NE	0.00082 U	0.00074 U	0.00070 U	0.00076 U	0.00076 U	0.00077 U	0.00090 U	0.00087 U	0.00089 U	0.00093 U	0.00080 U
Chloroethane	mg/kg	2,100	2,200	NE	0.0010 U	0.00092 U	0.00087 U	0.00095 U	0.00096 U	0.00097 U	0.0011 U	0.0011 U	0.0011 U	0.0012 U	0.0010 U
Chloroform	mg/kg	35	320	NE	0.00064 U	0.00058 U	0.00055 U	0.00059 U	0.00060 U	0.00060 U	0.00070 U	0.00068 U	0.00070 U	0.00072 U	0.00062 U
Chloromethane	mg/kg	1,200	1,300	NE	0.00067 U	0.00060 U	0.00057 U	0.00061 U	0.00062 U	0.00063 U	0.00073 U	0.00070 U	0.00072 U	0.00075 U	0.00064 U
2-Chlorotoluene	mg/kg	NE	NE	NE	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
4-Chlorotoluene	mg/kg	NE	NE	NE	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
o-Chlorotoluene	mg/kg	NE	NE	NE	0.00061 U	0.00054 U	0.00051 U	0.00056 U	0.00056 U	0.00057 U	0.00066 U	0.00064 U	0.00066 U	0.00068 U	0.00059 U

**Table 2**  
**Summary of VOCs in Soil**  
**Former Leake Oil**

448 E. Taggart Street, East Palestine, Ohio				IA-01											
Sample ID (Depth <sup>1</sup> )		VAP Standard		BUSTR <sup>5</sup>	SB-01 (2-4 FT)	SB-01 (16-18 FT)	SB-05 (0-2 FT)	SB-05 (10-12FT)	SB-18 (0-2 FT)	SB-18 (2-4 FT)	SB-19 (2-4 FT)	SB-19 (4-6 FT)	MW-01 (2-4 FT)	MW-01 (4-6 FT)	SB-04 (2-4 FT)
Collection Date		GDCS Commercial & Industrial Land Use <sup>4</sup>	GDCS Construction & Excavation Activities <sup>3</sup>	Closure Action Levels	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/3/2024
Parameter	Units <sup>2</sup>				Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
p-Chlorotoluene	mg/kg	NE	NE	NE	0.00061 U	0.00054 U	0.00051 U	0.00056 U	0.00056 U	0.00057 U	0.00066 U	0.00064 U	0.00066 U	0.00068 U	0.00059 U
1,2-Dibromo-3-Chloropropane	mg/kg	1.6	15	NE	0.00030 U	0.00027 U	0.00026 U	0.00028 U	0.00028 U	0.00028 U	0.00033 U	0.00032 U	0.00033 U	0.00034 U	0.00029 U
1,2-Dibromoethane	mg/kg	4.4	39	0.000982	0.00065 U	0.00059 U	0.00056 U	0.00060 U	0.00061 U	0.00062 U	0.00072 U	0.00069 U	0.00071 U	0.00074 U	0.00063 U
Dibromomethane	mg/kg	250	870	NE	0.00087 U	0.00078 U	0.00074 U	0.00080 U	0.00081 U	0.00082 U	0.00095 U	0.00092 U	0.00095 U	0.00098 U	0.00084 U
1,2-Dichlorobenzene	mg/kg	380	370	NE	0.00061 U	0.00054 U	0.00051 U	0.00056 U	0.00056 U	0.00057 U	0.00066 U	0.00064 U	0.00066 U	0.00068 U	0.00059 U
1,3-Dichlorobenzene	mg/kg	NE	NE	NE	0.00061 U	0.00054 U	0.00051 U	0.00056 U	0.00056 U	0.00057 U	0.00066 U	0.00064 U	0.00066 U	0.00068 U	0.00059 U
1,4-Dichlorobenzene	mg/kg	290	2,600	NE	0.00061 U	0.00054 U	0.00051 U	0.00056 U	0.00056 U	0.00057 U	0.00066 U	0.00064 U	0.00066 U	0.00068 U	0.00059 U
Dichlorodifluoromethane	mg/kg	850	850	NE	0.00081 U	0.00073 U	0.00069 U	0.00075 U	0.00075 U	0.00076 U	0.00089 U	0.00085 U	0.00088 U	0.00092 U	0.00079 U
1,1-Dichloroethane	mg/kg	390	1,700	NE	0.00061 U	0.00054 U	0.00051 U	0.00056 U	0.00056 U	0.00057 U	0.00066 U	0.00064 U	0.00066 U	0.00068 U	0.00059 U
1,2-Dichloroethane	mg/kg	52	480	0.177	0.00061 U	0.00054 U	0.00051 U	0.00056 U	0.00056 U	0.00057 U	0.00066 U	0.00064 U	0.00066 U	0.00068 U	0.00059 U
1,1-Dichloroethene	mg/kg	1,200	180	NE	0.00063 U	0.00057 U	0.00054 U	0.00058 U	0.00058 U	0.00059 U	0.00069 U	0.00066 U	0.00068 U	0.00071 U	0.00061 U
cis-1,2-Dichloroethene	mg/kg	NE	2,200	NE	0.00061 U	0.00054 U	0.00051 U	0.00056 U	0.00056 U	0.00057 U	0.00066 U	0.00064 U	0.00066 U	0.00068 U	0.00059 U
trans-1,2-Dichloroethene	mg/kg	1,700	78	NE	0.00063 U	0.00057 U	0.00054 U	0.00058 U	0.00058 U	0.00059 U	0.00069 U	0.00066 U	0.00068 U	0.00071 U	0.00061 U
1,3-Dichloropropane	mg/kg	1,500	1,500	NE	0.0010 U	0.00090 U	0.00085 U	0.00092 U	0.00093 U	0.00095 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.00097 U
2,2-Dichloropropane	mg/kg	NE	NE	NE	0.00061 U	0.00054 U	0.00051 U	0.00056 U	0.00056 U	0.00057 U	0.00066 U	0.00064 U	0.00066 U	0.00068 U	0.00059 U
1,2-Dichloropropane	mg/kg	170	180	NE	0.00073 U	0.00065 U	0.00062 U	0.00067 U	0.00067 U	0.00068 U	0.00079 U	0.00076 U	0.00079 U	0.00082 U	0.00070 U
1,1-Dichloropropene	mg/kg	NE	NE	NE	0.00061 U	0.00054 U	0.00051 U	0.00056 U	0.00056 U	0.00057 U	0.00066 U	0.00064 U	0.00066 U	0.00068 U	0.00059 U
cis-1,3-Dichloropropene	mg/kg	NE	NE	NE	0.00067 U	0.00060 U	0.00057 U	0.00061 U	0.00062 U	0.00063 U	0.00073 U	0.00070 U	0.00072 U	0.00075 U	0.00064 U
trans-1,3-Dichloropropene	mg/kg	NE	NE	NE	0.00070 U	0.00063 U	0.00060 U	0.00065 U	0.00065 U	0.00066 U	0.00077 U	0.00074 U	0.00076 U	0.00079 U	0.00068 U
Ethylbenzene	mg/kg	480	480	84.5	0.00082 U	0.00074 U	<b>0.00080J</b>	0.00076 U	0.00076 U	0.00077 U	0.00090 U	0.00087 U	0.00089 U	0.00093 U	0.00080 U
Freon 113	mg/kg	NE	NE	NE	0.00061 U	0.00054 U	0.00051 U	0.00056 U	0.00056 U	0.00057 U	0.00066 U	0.00064 U	0.00066 U	0.00068 U	0.00059 U

**Table 2**  
**Summary of VOCs in Soil**  
**Former Leake Oil**

448 E. Taggart Street, East Palestine, Ohio					IA-01										
Sample ID (Depth <sup>1</sup> )		VAP Standard		BUSTR <sup>5</sup>	SB-01 (2-4 FT)	SB-01 (16-18 FT)	SB-05 (0-2 FT)	SB-05 (10-12FT)	SB-18 (0-2 FT)	SB-18 (2-4 FT)	SB-19 (2-4 FT)	SB-19 (4-6 FT)	MW-01 (2-4 FT)	MW-01 (4-6 FT)	SB-04 (2-4 FT)
Parameter	Units <sup>2</sup>	GDCS Commercial & Industrial Land Use <sup>4</sup>	GDCS Construction & Excavation Activities <sup>3</sup>	Closure Action Levels	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/3/2024
					Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
2-Hexanone	mg/kg	NE	NE	NE	0.0034 U	0.0030 U	0.0029 U	0.0031 U	0.0031 U	0.0032 U	0.0037 U	0.0036 U	0.0037 U	0.0038 U	0.0033 U
Hexachloro-1,3-butadiene	mg/kg	630	170	NE	0.00061 U	0.00054 U	0.00051 U	0.00056 U	0.00056 U	0.00057 U	0.00066 U	0.00064 U	0.00066 U	0.00068 U	0.00059 U
n-Hexane	mg/kg	140	190	NE	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT

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**Table 2**  
**Summary of VOCs in Soil**  
**Former Leake Oil**

448 E. Taggart Street, East Palestine, Ohio				IA-01											
Sample ID (Depth <sup>1</sup> )		VAP Standard		BUSTR <sup>5</sup>	SB-01 (2-4 FT)	SB-01 (16-18 FT)	SB-05 (0-2 FT)	SB-05 (10-12FT)	SB-18 (0-2 FT)	SB-18 (2-4 FT)	SB-19 (2-4 FT)	SB-19 (4-6 FT)	MW-01 (2-4 FT)	MW-01 (4-6 FT)	SB-04 (2-4 FT)
Collection Date		GDCS Commercial & Industrial Land Use <sup>4</sup>	GDCS Construction & Excavation Activities <sup>3</sup>	Closure Action Levels	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/3/2024
Parameter	Units <sup>2</sup>				Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Isopropylbenzene	mg/kg	270	260	NE	0.00074 U	0.00066 U	0.00063 U	0.00068 U	0.00069 U	0.00069 U	0.00081 U	0.00078 U	0.00080 U	0.00083 U	0.00072 U
p-Isopropyltoluene	mg/kg	573 <sup>8</sup>	573 <sup>8</sup>	NE	0.00061 U	0.00054 U	0.00051 U	0.00056 U	0.00056 U	0.00057 U	0.00066 U	0.00064 U	0.00066 U	0.00068 U	0.00059 U
Methyl tert-butyl ether	mg/kg	5,400	8,900	2	0.00061 U	0.00054 U	0.00051 U	<b>0.00096J</b>	0.00056 U	0.00057 U	0.00066 U	0.00064 U	0.00066 U	0.00068 U	0.00059 U
4-Methyl-2-pentanone (MIBK)	mg/kg	3,400	3,400	NE	0.0046 U	0.0041 U	0.0039 U	0.0042 U	0.0043 U	0.0043 U	0.0050 U	0.0048 U	0.0050 U	0.0052 U	0.0045 U
Methylene Chloride	mg/kg	3,300	3,300	NE	<b>0.0020J</b>	<b>0.0014J</b>	<b>0.0049</b>	0.00087 U	0.00088 U	0.00089 U	0.0010 U	<b>0.0021J</b>	<b>0.0044</b>	<b>0.0032</b>	<b>0.0022J</b>
Naphthalene	mg/kg	420	560	0.511	0.00061 U	0.00054 U	0.00051 U	0.00056 U	0.00056 U	0.00057 U	0.00066 U	0.00064 U	0.00066 U	0.00068 U	0.00059 U
n-Propylbenzene	mg/kg	236 <sup>8</sup>	236 <sup>8</sup>	NE	0.00061 U	0.00054 U	0.00051 U	0.00056 U	0.00056 U	0.00057 U	0.00066 U	0.00064 U	0.00066 U	0.00068 U	0.00059 U
Styrene	mg/kg	870	1,700	NE	0.00061 U	0.00054 U	0.00051 U	0.00056 U	0.00056 U	0.00057 U	0.00066 U	0.00064 U	0.00066 U	0.00068 U	0.00059 U
1,1,2,2-Tetrachloroethane	mg/kg	71	670	NE	0.00068 U	0.00061 U	0.00058 U	0.00062 U	0.00063 U	0.00064 U	0.00074 U	0.00071 U	0.00074 U	0.00076 U	0.00066 U
1,1,1,2-Tetrachloroethane	mg/kg	230	680	NE	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Tetrachloroethene	mg/kg	170	220	NE	0.00073 U	0.00065 U	0.00062 U	0.00067 U	0.00067 U	0.00068 U	0.00079 U	0.00076 U	0.00079 U	0.00082 U	0.00070 U
Toluene	mg/kg	820	820	70.7	0.00081 U	0.00073 U	0.00069 U	0.00075 U	0.00075 U	0.00076 U	0.00089 U	0.00085 U	0.00088 U	0.00092 U	0.00079 U
Xylenes, Total	mg/kg	260	260	42.7	0.0017 U	0.0015 U	0.0014 U	0.0016 U	0.0016 U	0.0016 U	0.0019 U	0.0018 U	0.0018 U	0.0019 U	0.0016 U
1,2,3-Trichlorobenzene	mg/kg	NE	NE	NE	0.00061 U	0.00054 U	0.00051 U	0.00056 U	0.00056 U	0.00057 U	0.00066 U	0.00064 U	0.00066 U	0.00068 U	0.00059 U
1,2,4-Trichlorobenzene	mg/kg	400	NE	NE	0.00061 U	0.00054 U	0.00051 U	0.00056 U	0.00056 U	0.00057 U	0.00066 U	0.00064 U	0.00066 U	0.00068 U	0.00059 U
1,1,1-Trichloroethane	mg/kg	640	1,300	NE	0.00075 U	0.00067 U	0.00064 U	0.00069 U	0.00070 U	0.00071 U	0.00082 U	0.00079 U	0.00082 U	0.00085 U	0.00073 U
1,1,2-Trichloroethane	mg/kg	130	210	NE	0.00068 U	0.00061 U	0.00058 U	0.00062 U	0.00063 U	0.00064 U	0.00074 U	0.00071 U	0.00074 U	0.00076 U	0.00066 U
Trichloroethene	mg/kg	51	560	NE	0.00061 U	0.00054 U	0.00051 U	0.00056 U	0.00056 U	0.00057 U	0.00066 U	0.00064 U	0.00066 U	0.00068 U	0.00059 U
Trichlorofluoromethane	mg/kg	1,200	1,600	NE	0.00061 U	0.00054 U	0.00051 U	0.00056 U	0.00056 U	0.00057 U	0.00066 U	0.00064 U	0.00066 U	0.00068 U	0.00059 U
1,2,3-Trichloropropane	mg/kg	4.4	19	NE	0.00061 U	0.00054 U	0.00051 U	0.00056 U	0.00056 U	0.00057 U	0.00066 U	0.00064 U	0.00066 U	0.00068 U	0.00059 U
1,2,4-Trimethylbenzene	mg/kg	220	220	2.37	0.00061 U	0.00054 U	0.00051 U	0.00056 U	0.00056 U	0.00057 U	0.00066 U	0.00064 U	0.00066 U	0.00068 U	0.00059 U

**Table 2**  
**Summary of VOCs in Soil**  
**Former Leake Oil**

448 E. Taggart Street, East Palestine, Ohio					IA-01										
Sample ID (Depth <sup>1</sup> )		VAP Standard		BUSTR <sup>5</sup>	SB-01 (2-4 FT)	SB-01 (16-18 FT)	SB-05 (0-2 FT)	SB-05 (10-12FT)	SB-18 (0-2 FT)	SB-18 (2-4 FT)	SB-19 (2-4 FT)	SB-19 (4-6 FT)	MW-01 (2-4 FT)	MW-01 (4-6 FT)	SB-04 (2-4 FT)
Collection Date		GDCS Commercial & Industrial Land Use <sup>4</sup>	GDCS Construction & Excavation Activities <sup>3</sup>	Closure Action Levels	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/3/2024
Parameter	Units <sup>2</sup>				Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
1,3,5-Trimethylbenzene	mg/kg	180	180	NE	0.00061 U	0.00054 U	0.00051 U	0.00056 U	0.00056 U	0.00057 U	0.00066 U	0.00064 U	0.00066 U	0.00068 U	0.00059 U
Vinyl chloride	mg/kg	49	280	NE	0.00061 U	0.00054 U	0.00051 U	0.00056 U	0.00056 U	0.00057 U	0.00066 U	0.00064 U	0.00066 U	0.00068 U	0.00059 U
o-Xylenes	mg/kg	260	260	42.7	0.00070 U	0.00063 U	0.00060 U	0.00065 U	0.00065 U	0.00066 U	0.00077 U	0.00074 U	0.00076 U	0.00079 U	0.00068 U
m&p-Xylenes	mg/kg	260	260	42.7	0.0010 U	0.00090 U	<b>0.0013J</b>	0.00092 U	0.00093 U	0.00095 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.00097 U

**Notes**

- 1. FT - Feet below grade
  - 2. mg/kg = Milligrams per kilogram - parts per million (ppm)
  - 3. Ohio EPA Voluntary Action Program (VAP) Generic Direct Contact Standard (GDCS) for Commercial/Industrial Land Use, OAC 3745-300-17 (C)(3)(b).
  - 4. Ohio EPA Voluntary Action Program (VAP) Generic Direct Contact Standard (GDCS) for Construction and Excavation Activities, OAC 3745-300-17 (C)(3)(d).
  - 5. BUSTR Action Levels defined in OAC 1301: 7-9-13, as required by OAC 3745-300-08(B)(3), Sand and Gravel, Unknown Soil Type.
  - 7. NE: Not Established (No Regulatory Limits Under the VAP Have Been Established for the Specific Compound).
  - 8. Standards from the Ohio EPA Voluntary Action Program Chemical Information Database and Applicable Regulatory Standards (CIDARS).
  - 10. J = Analyte is present at an estimated concentration between the Method Detection Limit and Report Limit.
- U = Analyte is below laboratory reporting limits.  
 NT = Sample not tested for the analytical method. Samples were sent to two labs with different reporting processes.  
**Bold** numbers indicate a concentration above laboratory detection limits.  
 Bold and shaded numbers indicate a detected concentration above a comparison standard.

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**Table 2**  
**Summary of VOCs in Soil**  
**Former Leake Oil**

**448 E. Taggart Street, East Palestine, Ohio**

Sample ID (Depth <sup>1</sup> )		VAP Standard		BUSTR <sup>5</sup>	SB-04 (6-8 FT)	SB-09 (4-6 FT)	DUP 6324 (SB-09 4-6 FT)		SB-09 (10-12 FT)	SB-11 (4-6 FT)	SB-11 (8-10 FT)	SB-13 (8-10 FT)	SB-13 (10-12 FT)	SB-14 (6-8 FT)	DUP6424 (SB-14 6-8)
Collection Date		GDCS Commercial & Industrial Land Use <sup>4</sup>	GDCS Construction & Excavation Activities <sup>3</sup>	Closure Action Levels	6/3/2024	6/3/2024	6/3/2024		6/3/2024	6/3/2024	6/3/2024	6/4/2024	6/4/2024	6/4/2024	6/4/2024
Parameter	Units <sup>2</sup>				Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
<b>Volatile Organic Compounds - VOCs</b>															
Acetone	mg/kg	110,000	110,000	NE	0.047	0.20 U	0.19 U		0.05	0.90 U	0.018	1.7 U	0.015	0.86 U	1.8 U
Benzene	mg/kg	130	1,200	0.246	0.00055 U	0.015 U	2.4	-1.97515528	0.11	0.066 U	0.00051 U	0.12 U	0.00079J	0.064 U	0.13 U
Bromobenzene	mg/kg	NE	NE	NE	0.00055 U	0.020 U	0.019 U		0.00061 U	0.092 U	0.00051 U	0.17 U	0.00056 U	0.088 U	0.18 U
Bromochloromethane	mg/kg	300	33	NE	0.00055 U	0.020 U	0.019 U		0.00061 U	0.092 U	0.00051 U	0.17 U	0.00056 U	0.088 U	0.18 U
Bromodichloromethane	mg/kg	33	300	NE	0.00079 U	0.017 U	0.016 U		0.00086 U	0.078 U	0.00073 U	0.15 U	0.00080 U	0.075 U	0.15 U
Bromoform	mg/kg	910	910	NE	0.00058 U	0.025 U	0.024 U		0.00063 U	0.12 U	0.00053 U	0.22 U	0.00058 U	0.11 U	0.23 U
Bromomethane	mg/kg	76	550	NE	0.00058 U	0.025 U	0.024 U		0.00063 U	0.11 U	0.00093J	0.21 U	0.00087J	0.11 U	0.22 U
2-Butanone (MEK)	mg/kg	28,000	28,000	NE	0.0095J	0.12 U	0.11 U		0.0045J	0.52 U	0.0033 U	0.98 U	0.0036 U	0.50 U	1.0 U
n-Butylbenzene	mg/kg	178 <sup>6</sup>	178 <sup>8</sup>	NE	0.008	1.7	0.34	1.333333333	0.00061 U	2	0.00051 U	4.5	0.00056 U	1.7	2.4
tert-Butylbenzene	mg/kg	215 <sup>8</sup>	215 <sup>8</sup>	NE	0.00061 U	0.028 U	0.027 U		0.00067 U	0.13 U	0.00056 U	0.24 U	0.00062 U	0.12 U	0.25 U
sec-Butylbenzene	mg/kg	764 <sup>8</sup>	764 <sup>8</sup>	NE	0.0059	0.020 U	0.019 U		0.00061 U	0.97	0.00051 U	2.1	0.00056 U	0.91	1.4
Carbon Disulfide	mg/kg	740	740	NE	0.00070 U	0.015 U	0.014 U		0.00077 U	0.067 U	0.00064 U	0.12 U	0.00071 U	0.064 U	0.13 U
Carbon tetrachloride	mg/kg	74	460	NE	0.00056 U	0.020 U	0.019 U		0.00062 U	0.090 U	0.00052 U	0.17 U	0.00057 U	0.086 U	0.18 U
Chlorobenzene	mg/kg	760	760	NE	0.00056 U	0.012 U	0.012 U		0.00062 U	0.055 U	0.00052 U	0.10 U	0.00057 U	0.052 U	0.11 U
Chlorodibromomethane	mg/kg	84	1,600	NE	0.00075 U	0.029 U	0.027 U		0.00083 U	0.13 U	0.00069 U	0.24 U	0.00076 U	0.12 U	0.26 U
Chloroethane	mg/kg	2,100	2,200	NE	0.00094 U	0.021 U	0.020 U		0.0010 U	0.095 U	0.00087 U	0.18 U	0.00095 U	0.091 U	0.19 U
Chloroform	mg/kg	35	320	NE	0.00059 U	0.013 U	0.013 U		0.00064 U	0.061 U	0.00054 U	0.11 U	0.00059 U	0.058 U	0.12 U
Chloromethane	mg/kg	1,200	1,300	NE	0.00061 U	0.020 U	0.019 U		0.00067 U	0.090 U	0.00056 U	0.17 U	0.00062 U	0.086 U	0.18 U
2-Chlorotoluene	mg/kg	NE	NE	NE	NT	NT	NT		NT	NT	NT	NT	NT	NT	NT
4-Chlorotoluene	mg/kg	NE	NE	NE	NT	NT	NT		NT	NT	NT	NT	NT	NT	NT
o-Chlorotoluene	mg/kg	NE	NE	NE	0.00055 U	0.017 U	0.016 U		0.00061 U	0.075 U	0.00051 U	0.14 U	0.00056 U	0.072 U	0.15 U



**Table 2**  
**Summary of VOCs in Soil**  
**Former Leake Oil**

**448 E. Taggart Street, East Palestine, Ohio**

Sample ID (Depth <sup>1</sup> )		VAP Standard		BUSTR <sup>5</sup>	SB-04 (6-8 FT)	SB-09 (4-6 FT)	DUP 6324 (SB- 09 4-6 FT)		SB-09 (10-12 FT)	SB-11 (4-6 FT)	SB-11 (8-10 FT)	SB-13 (8-10 FT)	SB-13 (10-12 FT)	SB-14 (6-8 FT)	DUP6424 (SB- 14 6-8)
Collection Date		GDCS Commercial & Industrial Land Use <sup>4</sup>	GDCS Construction & Excavation Activities <sup>3</sup>	Closure Action Levels	6/3/2024	6/3/2024	6/3/2024		6/3/2024	6/3/2024	6/3/2024	6/4/2024	6/4/2024	6/4/2024	6/4/2024
Parameter	Units <sup>2</sup>				Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
p-Chlorotoluene	mg/kg	NE	NE	NE	0.00055 U	0.021 U	0.020 U		0.00061 U	0.095 U	0.00051 U	0.18 U	0.00056 U	0.091 U	0.19 U
1,2-Dibromo-3-Chloropropane	mg/kg	1.6	15	NE	0.00028 U	0.095 U	0.091 U		0.00030 U	0.43 U	0.00026 U	0.81 U	0.00028 U	0.41 U	0.86 U
1,2-Dibromoethane	mg/kg	4.4	39	0.000982	0.00060 U	0.018 U	0.017 U		0.00066 U	0.081 U	0.00055 U	0.15 U	0.00061 U	0.077 U	0.16 U
Dibromomethane	mg/kg	250	870	NE	0.00080 U	0.020 U	0.019 U		0.00088 U	0.090 U	0.00074 U	0.17 U	0.00081 U	0.086 U	0.18 U
1,2-Dichlorobenzene	mg/kg	380	370	NE	0.00055 U	0.024 U	0.023 U		0.00061 U	0.11 U	0.00051 U	0.21 U	0.00056 U	0.10 U	0.22 U
1,3-Dichlorobenzene	mg/kg	NE	NE	NE	0.00055 U	0.016 U	0.015 U		0.00061 U	0.072 U	0.00051 U	0.14 U	0.00056 U	0.069 U	0.14 U
1,4-Dichlorobenzene	mg/kg	290	2,600	NE	0.00055 U	0.017 U	0.016 U		0.00061 U	0.078 U	0.00051 U	0.15 U	0.00056 U	0.075 U	0.15 U
Dichlorodifluoromethane	mg/kg	850	850	NE	0.00074 U	0.021 U	0.020 U		0.00082 U	0.095 U	0.00068 U	0.18 U	0.00075 U	0.091 U	0.19 U
1,1-Dichloroethane	mg/kg	390	1,700	NE	0.00055 U	0.018 U	0.017 U		0.00061 U	0.081 U	0.00051 U	0.15 U	0.00056 U	0.077 U	0.16 U
1,2-Dichloroethane	mg/kg	52	480	0.177	0.00055 U	0.020 U	0.019 U		0.00061 U	0.092 U	0.00051 U	0.17 U	<b>0.0025</b>	0.088 U	0.18 U
1,1-Dichloroethene	mg/kg	1,200	180	NE	0.00058 U	0.018 U	0.018 U		0.00063 U	0.084 U	0.00053 U	0.16 U	0.00058 U	0.080 U	0.17 U
cis-1,2-Dichloroethene	mg/kg	NE	2,200	NE	0.00055 U	0.020 U	0.019 U		0.00061 U	0.092 U	0.00051 U	0.17 U	0.00056 U	0.088 U	0.18 U
trans-1,2-Dichloroethene	mg/kg	1,700	78	NE	0.00058 U	0.017 U	0.016 U		0.00063 U	0.075 U	0.00053 U	0.14 U	0.00058 U	0.072 U	0.15 U
1,3-Dichloropropane	mg/kg	1,500	1,500	NE	0.00092 U	0.017 U	0.016 U		0.0010 U	0.078 U	0.00085 U	0.15 U	0.00093 U	0.075 U	0.15 U
2,2-Dichloropropane	mg/kg	NE	NE	NE	0.00055 U	0.020 U	0.019 U		0.00061 U	0.092 U	0.00051 U	0.17 U	0.00056 U	0.088 U	0.18 U
1,2-Dichloropropane	mg/kg	170	180	NE	0.00066 U	0.015 U	0.015 U		0.00073 U	0.069 U	0.00061 U	0.13 U	0.00067 U	0.066 U	0.14 U
1,1-Dichloropropene	mg/kg	NE	NE	NE	0.00055 U	0.017 U	0.016 U		0.00061 U	0.078 U	0.00051 U	0.15 U	0.00056 U	0.075 U	0.15 U
cis-1,3-Dichloropropene	mg/kg	NE	NE	NE	0.00061 U	0.020 U	0.019 U		0.00067 U	0.090 U	0.00056 U	0.17 U	0.00062 U	0.086 U	0.18 U
trans-1,3-Dichloropropene	mg/kg	NE	NE	NE	0.00064 U	0.018 U	0.018 U		0.00071 U	0.084 U	0.00059 U	0.16 U	0.00065 U	0.080 U	0.17 U
Ethylbenzene	mg/kg	480	480	84.5	0.00075 U	<b>2.1</b>	<b>1.7</b>	<b>0.210526316</b>	0.00083 U	0.098 U	0.00069 U	<b>4.5</b>	0.00076 U	<b>1</b>	<b>4.2</b>
Freon 113	mg/kg	NE	NE	NE	0.00055 U	0.017 U	0.016 U		0.00061 U	0.075 U	0.00051 U	0.14 U	0.00056 U	0.072 U	0.15 U

**Table 2**  
**Summary of VOCs in Soil**  
**Former Leake Oil**

**448 E. Taggart Street, East Palestine, Ohio**

Sample ID (Depth <sup>1</sup> )		VAP Standard		BUSTR <sup>5</sup>	SB-04 (6-8 FT)	SB-09 (4-6 FT)	DUP 6324 (SB-09 4-6 FT)		SB-09 (10-12 FT)	SB-11 (4-6 FT)	SB-11 (8-10 FT)	SB-13 (8-10 FT)	SB-13 (10-12 FT)	SB-14 (6-8 FT)	DUP6424 (SB-14 6-8)
Collection Date		GDCS Commercial & Industrial Land Use <sup>4</sup>	GDCS Construction & Excavation Activities <sup>3</sup>	Closure Action Levels	6/3/2024	6/3/2024	6/3/2024		6/3/2024	6/3/2024	6/3/2024	6/4/2024	6/4/2024	6/4/2024	6/4/2024
Parameter	Units <sup>2</sup>				Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
2-Hexanone	mg/kg	NE	NE	NE	0.0031 U	0.083U	0.079U		0.0034U	0.38 U	0.0029 U	0.71 U	0.0031 U	0.36 U	0.74 U
Hexachloro-1,3-butadiene	mg/kg	630	170	NE	0.00055 U	0.064 U	0.061 U		0.00061 U	0.29U	0.00051 U	0.54 U	0.00056 U	0.28 U	0.57 U
n-Hexane	mg/kg	140	190	NE	NT	NT	NT		NT	NT	NT	NT	NT	NT	NT

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**Table 2**  
**Summary of VOCs in Soil**  
**Former Leake Oil**

**448 E. Taggart Street, East Palestine, Ohio**

Sample ID (Depth <sup>1</sup> )		VAP Standard		BUSTR <sup>5</sup>	SB-04 (6-8 FT)	SB-09 (4-6 FT)	DUP 6324 (SB- 09 4-6 FT)		SB-09 (10-12 FT)	SB-11 (4-6 FT)	SB-11 (8-10 FT)	SB-13 (8-10 FT)	SB-13 (10-12 FT)	SB-14 (6-8 FT)	DUP6424 (SB- 14 6-8)
Collection Date		GDCS Commercial & Industrial Land Use <sup>4</sup>	GDCS Construction & Excavation Activities <sup>3</sup>	Closure Action Levels	6/3/2024	6/3/2024	6/3/2024		6/3/2024	6/3/2024	6/3/2024	6/4/2024	6/4/2024	6/4/2024	6/4/2024
Parameter	Units <sup>2</sup>				Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Isopropylbenzene	mg/kg	270	260	NE	<b>0.0010J</b>	<b>0.75</b>	<b>0.28</b>	<b>0.912621359</b>	0.00074 U	<b>0.42</b>	0.00062 U	<b>3.6</b>	0.00068 U	<b>1.3</b>	<b>2.9</b>
p-Isopropyltoluene	mg/kg	573 <sup>8</sup>	573 <sup>8</sup>	NE	0.00055 U	0.020 U	0.019 U		0.00061 U	0.092 U	0.00051 U	<b>2.6</b>	0.00056 U	<b>0.95</b>	<b>1.9</b>
Methyl tert-butyl ether	mg/kg	5,400	8,900	2	0.00055 U	0.021 U	0.020 U		0.00061 U	0.095 U	0.00051 U	0.18 U	0.00056 U	0.091 U	0.19 U
4-Methyl-2-pentanone (MIBK)	mg/kg	3,400	3,400	NE	0.0042 U	0.095 U	0.091 U		0.0046 U	0.43 U	0.0039 U	0.81 U	0.0043 U	0.41 U	0.86 U
Methylene Chloride	mg/kg	3,300	3,300	NE	<b>0.0018J</b>	0.029 U	0.027 U		0.00095 U	0.13 U	<b>0.0015J</b>	0.24 U	<b>0.0023</b>	0.12 U	0.26 U
Naphthalene	mg/kg	420	560	<b>0.511</b>	0.00055 U	<b>5.1</b>	<b>1.6</b>	<b>1.044776119</b>	0.00061 U	<b>3.7</b>	<b>0.0010J</b>	<b>8.2</b>	<b>0.0016J</b>	<b>4.3</b>	<b>7.4</b>
n-Propylbenzene	mg/kg	236 <sup>8</sup>	236 <sup>8</sup>	NE	<b>0.0022J</b>	<b>3</b>	<b>0.74</b>	<b>1.20855615</b>	0.00061 U	<b>1.2</b>	0.00051 U	<b>6.4</b>	0.00056 U	<b>2.6</b>	<b>5</b>
Styrene	mg/kg	870	1,700	NE	0.00055 U	0.015 U	0.015 U		0.00061 U	0.069 U	0.00051 U	0.13 U	0.00056 U	0.066 U	0.14 U
1,1,2,2-Tetrachloroethane	mg/kg	71	670	NE	0.00062 U	0.022 U	0.021 U		0.00068 U	0.098 U	0.00057 U	0.18 U	0.00063 U	0.094 U	0.19 U
1,1,1,2-Tetrachloroethane	mg/kg	230	680	NE	NT	NT	NT		NT	NT	NT	NT	NT	NT	NT
Tetrachloroethene	mg/kg	170	220	NE	0.00066 U	0.022 U	0.021 U		0.00073 U	0.10 U	0.00061 U	0.19 U	0.00067 U	0.097 U	0.20 U
Toluene	mg/kg	<b>820</b>	<b>820</b>	<b>70.7</b>	0.00074 U	0.015 U	<b>0.079</b>	<b>-1.361702128</b>	0.00082 U	0.066 U	0.00068 U	0.12 U	0.00075 U	0.064 U	0.13 U
Xylenes, Total	mg/kg	260	260	42.7	0.0015 U	<b>3.8</b>	<b>2.3</b>	<b>0.491803279</b>	0.0017 U	0.19 U	0.0014 U	<b>1.2J</b>	0.0016 U	<b>0.24J</b>	<b>0.94J</b>
1,2,3-Trichlorobenzene	mg/kg	NE	NE	NE	0.00055 U	0.059 U	0.056 U		0.00061 U	0.27 U	0.00051 U	0.51 U	0.00056 U	0.26 U	0.53 U
1,2,4-Trichlorobenzene	mg/kg	400	NE	NE	0.00055 U	0.052 U	0.050 U		0.00061 U	0.24 U	0.00051 U	0.45 U	0.00056 U	0.23 U	0.47 U
1,1,1-Trichloroethane	mg/kg	640	1,300	NE	0.00069 U	0.014 U	0.013 U		0.00075 U	0.064 U	0.00063 U	0.12 U	0.00070 U	0.061 U	0.13 U
1,1,2-Trichloroethane	mg/kg	130	210	NE	0.00062 U	0.021 U	0.020 U		0.00068 U	0.095 U	0.00057 U	0.18 U	0.00063 U	0.091 U	0.19 U
Trichloroethene	mg/kg	51	560	NE	0.00055 U	0.021 U	0.020 U		0.00061 U	0.095 U	0.00051 U	0.18 U	0.00056 U	0.091 U	0.19 U
Trichlorofluoromethane	mg/kg	1,200	1,600	NE	0.00055 U	0.015 U	0.015 U		0.00061 U	0.069 U	0.00051 U	0.13 U	0.00056 U	0.066 U	0.14 U
1,2,3-Trichloropropane	mg/kg	4.4	19	NE	0.00055 U	0.038 U	0.036 U		0.00061 U	0.17 U	0.00051 U	0.33 U	0.00056 U	0.17 U	0.34 U
1,2,4-Trimethylbenzene	mg/kg	220	220	2.37	0.00055 U	<b>25.1</b>	<b>5.9</b>	<b>1.238709677</b>	0.00061 U	0.072 U	0.00051 U	<b>0.81</b>	0.00056 U	0.069 U	0.14 U

**Table 2**  
**Summary of VOCs in Soil**  
**Former Leake Oil**

**448 E. Taggart Street, East Palestine, Ohio**

Sample ID (Depth <sup>1</sup> )		VAP Standard		BUSTR <sup>5</sup>	SB-04 (6-8 FT)	SB-09 (4-6 FT)	DUP 6324 (SB- 09 4-6 FT)		SB-09 (10-12 FT)	SB-11 (4-6 FT)	SB-11 (8-10 FT)	SB-13 (8-10 FT)	SB-13 (10-12 FT)	SB-14 (6-8 FT)	DUP6424 (SB- 14 6-8)
Collection Date		GD CS Commercial & Industrial Land Use <sup>4</sup>	GD CS Construction & Excavation & Activities <sup>3</sup>	Closure Action Levels	6/3/2024	6/3/2024	6/3/2024		6/3/2024	6/3/2024	6/3/2024	6/4/2024	6/4/2024	6/4/2024	6/4/2024
Parameter	Units <sup>2</sup>				Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
1,3,5-Trimethylbenzene	mg/kg	180	180	NE	0.00055 U	<b>3.7</b>	<b>0.9</b>	<b>1.217391304</b>	0.00061 U	<b>0.13J</b>	0.00051 U	<b>0.92</b>	0.00056 U	0.055 U	0.11 U
Vinyl chloride	mg/kg	49	280	NE	0.00055 U	0.019 U	0.018 U		0.00061 U	0.087 U	0.00051 U	0.16 U	0.00056 U	0.083 U	0.17 U
o-Xylenes	mg/kg	260	260	42.7	0.00064 U	0.021 U	0.020 U		0.00071 U	0.095 U	0.00059 U	0.18 U	0.00065 U	0.091 U	0.19 U
m&p-Xylenes	mg/kg	260	260	42.7	0.00092 U	<b>3.8</b>	<b>2.3</b>	<b>0.491803279</b>	0.0010 U	0.15 U	0.00085 U	<b>1.2</b>	0.00093 U	<b>0.24J</b>	<b>0.94J</b>

**Notes**

1. FT - Feet below grade
  2. mg/kg = Milligrams per kilogram - parts per million (ppm)
  3. Ohio EPA Voluntary Action Program (VAP) Generic Direct Contact Standard (GDSC) for Commercial/Industrial Land Use
  4. Ohio EPA Voluntary Action Program (VAP) Generic Direct Contact Standard (GDSC) for Construction and Excavation Activities
  5. BUSTR Action Levels defined in OAC 1301: 7-9-13, as required by OAC 3745-300-08(B)(3), Sand and Gravel, Unknown
  7. NE: Not Established (No Regulatory Limits Under the VAP Have Been Established for the Specific Compound).
  8. Standards from the Ohio EPA Voluntary Action Program Chemical Information Database and Applicable Regulatory Standards
  10. J = Analyte is present at an estimated concentration between the Method Detection Limit and Report Limit.
- U = Analyte is below laboratory reporting limits.
- NT = Sample not tested for the analytical method. Samples were sent to two labs with different reporting processes.
- Bold** numbers indicate a concentration above laboratory detection limits.
- Bold and shaded** numbers indicate a detected concentration above a comparison standard.

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**Table 2**  
**Summary of VOCs in Soil**  
**Former Leake Oil**

448 E. Taggart Street, East Palestine, Ohio															IA-02		
Sample ID (Depth <sup>1</sup> )		VAP Standard		BUSTR <sup>5</sup>		SB-14 (10-12 FT)	SB-15 (16/18 FT)	SB-15 (10-12 FT)	SB-16 ( 8-10 FT)	SB-16 (10-12 FT)	SB-17 (6-8 FT)	SB-17 (8-10 FT)	MW-02 (6-8 FT)	MW-02 (10-12 FT)	MW-03 (6-8 FT)		
Collection Date		GDCS Commercial & Industrial Land Use <sup>4</sup>	GDCS Construction & Excavation Activities <sup>3</sup>	Closure Action Levels		6/4/2024	6/3/2024	6/3/2024	6/3/2024	6/3/2024	6/4/2024	6/4/2024	6/3/2024	6/3/2024	6/4/2024		
Parameter	Units <sup>2</sup>				Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
<b>Volatile Organic Compounds - VOCs</b>																	
Acetone	mg/kg	110,000	110,000	NE		0.017	0.016	0.0057 U	0.17 U	0.18 U	0.061	0.20 U	0.19 U	0.19 U	0.0057 U		
Benzene	mg/kg	130	1,200	0.246		0.00057 U	0.011	0.00062 U	0.55	0.62	0.00062 U	0.015 U	0.68	4.8	0.00062 U		
Bromobenzene	mg/kg	NE	NE	NE		0.00057 U	0.00058 U	0.00062 U	0.017 U	0.018 U	0.00062 U	0.021 U	0.020 U	0.019 U	0.00062 U		
Bromochloromethane	mg/kg	300	33	NE		0.00057 U	0.00058 U	0.00062 U	0.017 U	0.018 U	0.00062 U	0.021 U	0.020 U	0.019 U	0.00062 U		
Bromodichloromethane	mg/kg	33	300	NE		0.00082 U	0.00082 U	0.00088 U	0.015 U	0.015 U	0.00088 U	0.017 U	0.017 U	0.016 U	0.00088 U		
Bromoform	mg/kg	910	910	NE		0.00060 U	0.00060 U	0.00064 U	0.022 U	0.023 U	0.00064 U	0.026 U	0.025 U	0.024 U	0.00065 U		
Bromomethane	mg/kg	76	550	NE		0.00060 U	0.00060 U	0.00064 U	0.021 U	0.022 U	0.00064 U	0.025 U	0.024 U	0.024 U	0.00065 U		
2-Butanone (MEK)	mg/kg	28,000	28,000	NE		0.0037 U	0.0037 U	0.0040 U	0.097 U	0.10 U	0.014	0.12 U	0.11 U	0.11 U	0.0040 U		
n-Butylbenzene	mg/kg	178 <sup>6</sup>	178 <sup>8</sup>	NE	-0.341463415	0.00057 U	0.0025	0.00062 U	1.5	1.2	0.022	1.3	1.1	1	0.00062 U		
tert-Butylbenzene	mg/kg	215 <sup>8</sup>	215 <sup>8</sup>	NE		0.00063 U	0.0010J	0.00068 U	0.079J	0.025 U	0.0032	0.028 U	0.027 U	0.076J	0.00068 U		
sec-Butylbenzene	mg/kg	764 <sup>8</sup>	764 <sup>8</sup>	NE	-0.424242424	0.00057 U	0.0017J	0.00062 U	0.55	0.42	0.021	0.53	0.45	0.45	0.091		
Carbon Disulfide	mg/kg	740	740	NE		0.0012J	0.00072 U	0.00078 U	0.012 U	0.013 U	0.0012J	0.015 U	0.014 U	0.014 U	0.0027		
Carbon tetrachloride	mg/kg	74	460	NE		0.00059 U	0.00059 U	0.00063 U	0.017 U	0.018 U	0.00063 U	0.020 U	0.019 U	0.019 U	0.00063 U		
Chlorobenzene	mg/kg	760	760	NE		0.00059 U	0.00059 U	0.00063 U	0.010 U	0.011 U	0.00063 U	0.012 U	0.012 U	0.012 U	0.00063 U		
Chlorodibromomethane	mg/kg	84	1,600	NE		0.00078 U	0.00078 U	0.00084 U	0.024 U	0.026 U	0.00084 U	0.029 U	0.028 U	0.027 U	0.00085 U		
Chloroethane	mg/kg	2,100	2,200	NE		0.00098 U	0.00098 U	0.0011 U	0.018 U	0.019 U	0.0011 U	0.021 U	0.021 U	0.020 U	0.0011 U		
Chloroform	mg/kg	35	320	NE		0.00061 U	0.00061 U	0.00066 U	0.011 U	0.012 U	0.00066 U	0.014 U	0.013 U	0.013 U	0.00066 U		
Chloromethane	mg/kg	1,200	1,300	NE		0.00063 U	0.00063 U	0.00068 U	0.017 U	0.018 U	0.00068 U	0.020 U	0.019 U	0.019 U	0.00068 U		
2-Chlorotoluene	mg/kg	NE	NE	NE		NT	NT	NT	NT	NT	NT	NT	NT	NT	NT		
4-Chlorotoluene	mg/kg	NE	NE	NE		NT	NT	NT	NT	NT	NT	NT	NT	NT	NT		
o-Chlorotoluene	mg/kg	NE	NE	NE		0.00057 U	0.00058 U	0.00062 U	0.014 U	0.015 U	0.00062 U	0.017 U	0.016 U	0.016 U	0.00062 U		

**Table 2**  
**Summary of VOCs in Soil**  
**Former Leake Oil**

448 E. Taggart Street, East Palestine, Ohio															IA-02		
Sample ID (Depth <sup>1</sup> )		VAP Standard		BUSTR <sup>5</sup>		SB-14 (10-12 FT)	SB-15 (16/18 FT)	SB-15 (10-12 FT)	SB-16 ( 8-10 FT)	SB-16 (10-12 FT)	SB-17 (6-8 FT)	SB-17 (8-10 FT)	MW-02 (6-8 FT)	MW-02 (10-12 FT)	MW-03 (6-8 FT)		
Collection Date		GDCS Commercial & Industrial Land Use <sup>4</sup>	GDCS Construction & Excavation Activities <sup>3</sup>	Closure Action Levels		6/4/2024	6/3/2024	6/3/2024	6/3/2024	6/3/2024	6/4/2024	6/4/2024	6/3/2024	6/3/2024	6/4/2024		
Parameter	Units <sup>2</sup>				Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
p-Chlorotoluene	mg/kg	NE	NE	NE		0.00057 U	0.00058 U	0.00062 U	0.018 U	0.019 U	0.00062 U	0.021 U	0.021 U	0.020 U	0.00062 U		
1,2-Dibromo-3-Chloropropane	mg/kg	1.6	15	NE		0.00029 U	0.00029 U	0.00031 U	0.081 U	0.085 U	0.00031 U	0.097 U	0.093 U	0.091 U	0.00031 U		
1,2-Dibromoethane	mg/kg	4.4	39	0.000982		0.00062 U	0.00062 U	0.00067 U	0.015 U	0.016 U	0.00067 U	0.018 U	0.017 U	0.017 U	0.00067 U		
Dibromomethane	mg/kg	250	870	NE		0.00083 U	0.00083 U	0.00089 U	0.017 U	0.018 U	0.00089 U	0.020 U	0.019 U	0.019 U	0.00090 U		
1,2-Dichlorobenzene	mg/kg	380	370	NE		0.00057 U	0.00058 U	0.00062 U	0.021 U	0.022 U	0.00062 U	0.024 U	0.024 U	0.023 U	0.00062 U		
1,3-Dichlorobenzene	mg/kg	NE	NE	NE		0.00057 U	0.00058 U	0.00062 U	0.013 U	0.014 U	0.00062 U	0.016 U	0.016 U	0.015 U	0.00062 U		
1,4-Dichlorobenzene	mg/kg	290	2,600	NE		0.00057 U	0.00058 U	0.00062 U	0.015 U	0.015 U	0.00062 U	0.017 U	0.017 U	0.016 U	0.00062 U		
Dichlorodifluoromethane	mg/kg	850	850	NE		0.00077 U	0.00077 U	0.00083 U	0.018 U	0.019 U	0.00083 U	0.021 U	0.021 U	0.020 U	0.00083 U		
1,1-Dichloroethane	mg/kg	390	1,700	NE		0.00057 U	0.00058 U	0.00062 U	0.015 U	0.016 U	0.00062 U	0.018 U	0.017 U	0.017 U	0.00062 U		
1,2-Dichloroethane	mg/kg	52	480	0.177		0.00057 U	0.00058 U	0.00062 U	0.017 U	0.018 U	0.00062 U	0.021 U	0.020 U	<b>0.048J</b>	0.00062 U		
1,1-Dichloroethene	mg/kg	1,200	180	NE		0.00060 U	0.00060 U	0.00064 U	0.016 U	0.017 U	0.00064 U	0.019 U	0.018 U	0.018 U	0.00065 U		
cis-1,2-Dichloroethene	mg/kg	NE	2,200	NE		0.00057 U	0.00058 U	0.00062 U	0.017 U	0.018 U	0.00062 U	0.021 U	0.020 U	0.019 U	0.00062 U		
trans-1,2-Dichloroethene	mg/kg	1,700	78	NE		0.00060 U	0.00060 U	0.00064 U	0.014 U	0.015 U	0.00064 U	0.017 U	0.016 U	0.016 U	0.00065 U		
1,3-Dichloropropane	mg/kg	1,500	1,500	NE		0.00095 U	0.00095 U	0.0010 U	0.015 U	0.015 U	0.0010 U	0.017 U	0.017 U	0.016 U	0.0010 U		
2,2-Dichloropropane	mg/kg	NE	NE	NE		0.00057 U	0.00058 U	0.00062 U	0.017 U	0.018 U	0.00062 U	0.021 U	0.020 U	0.019 U	0.00062 U		
1,2-Dichloropropane	mg/kg	170	180	NE		0.00069 U	0.00069 U	0.00074 U	0.013 U	0.014 U	0.00074 U	0.015 U	0.015 U	0.015 U	0.00075 U		
1,1-Dichloropropene	mg/kg	NE	NE	NE		0.00057 U	0.00058 U	0.00062 U	0.015 U	0.015 U	0.00062 U	0.017 U	0.017 U	0.016 U	0.00062 U		
cis-1,3-Dichloropropene	mg/kg	NE	NE	NE		0.00063 U	0.00063 U	0.00068 U	0.017 U	0.018 U	0.00068 U	0.020 U	0.019 U	0.019 U	0.00068 U		
trans-1,3-Dichloropropene	mg/kg	NE	NE	NE		0.00067 U	0.00067 U	0.00072 U	0.016 U	0.017 U	0.00072 U	0.019 U	0.018 U	0.018 U	0.00072 U		
Ethylbenzene	mg/kg	480	480	84.5	<b>-1.230769231</b>	0.00078 U	<b>0.0042</b>	0.00084 U	<b>0.65</b>	<b>0.57</b>	0.00084 U	0.022 U	<b>0.61</b>	<b>1.3</b>	0.00085 U		
Freon 113	mg/kg	NE	NE	NE		0.00057 U	0.00058 U	0.00062 U	0.014 U	0.015 U	0.00062 U	0.017 U	0.016 U	0.016 U	0.00062 U		

**Table 2**  
**Summary of VOCs in Soil**  
**Former Leake Oil**

448 E. Taggart Street, East Palestine, Ohio														IA-02	
Sample ID (Depth <sup>1</sup> )		VAP Standard		BUSTR <sup>5</sup>		SB-14 (10-12 FT)	SB-15 (16/18 FT)	SB-15 (10-12 FT)	SB-16 ( 8-10 FT)	SB-16 (10-12 FT)	SB-17 (6-8 FT)	SB-17 (8-10 FT)	MW-02 (6-8 FT)	MW-02 (10-12 FT)	MW-03 (6-8 FT)
Collection Date						6/4/2024	6/3/2024	6/3/2024	6/3/2024	6/3/2024	6/4/2024	6/4/2024	6/3/2024	6/3/2024	6/4/2024
Parameter	Units <sup>2</sup>	GDCS Commercial & Industrial Land Use <sup>4</sup>	GDCS Construction & Excavation Activities <sup>3</sup>	Closure Action Levels		Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
2-Hexanone	mg/kg	NE	NE	NE		0.0032 U	0.0032 U	0.0035 U	0.070 U	0.074 U	0.0035 U	0.084 U	0.081 U	0.079 U	0.0035 U
Hexachloro-1,3-butadiene	mg/kg	630	170	NE		0.00057 U	0.00058 U	0.00062 U	0.054 U	0.057 U	0.00062 U	0.064 U	0.062 U	0.061 U	0.00062 U
n-Hexane	mg/kg	140	190	NE		NT	NT	NT	NT	NT	NT	NT	NT	NT	NT

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**Table 2**  
**Summary of VOCs in Soil**  
**Former Leake Oil**

448 E. Taggart Street, East Palestine, Ohio														IA-02		
Sample ID (Depth <sup>1</sup> )		VAP Standard		BUSTR <sup>5</sup>		SB-14 (10-12 FT)	SB-15 (16/18 FT)	SB-15 (10-12 FT)	SB-16 ( 8-10 FT)	SB-16 (10-12 FT)	SB-17 (6-8 FT)	SB-17 (8-10 FT)	MW-02 (6-8 FT)	MW-02 (10-12 FT)	MW-03 (6-8 FT)	
Collection Date		GDCS Commercial & Industrial Land Use <sup>4</sup>	GDCS Construction & Excavation Activities <sup>3</sup>	Closure Action Levels		6/4/2024	6/3/2024	6/3/2024	6/3/2024	6/3/2024	6/4/2024	6/4/2024	6/3/2024	6/3/2024	6/4/2024	
Parameter	Units <sup>2</sup>				Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Isopropylbenzene	mg/kg	270	260	NE	-0.761904762	0.00070 U	0.0062	0.00075 U	0.69	0.51	0.0075	0.36	0.67	0.57	0.03	
p-Isopropyltoluene	mg/kg	573 <sup>8</sup>	573 <sup>8</sup>	NE	-0.666666667	0.00057 U	0.00058 U	0.00062 U	0.4	0.35	0.00062 U	0.021 U	0.020 U	0.53	0.00062 U	
Methyl tert-butyl ether	mg/kg	5,400	8,900	2		0.00057 U	0.00058 U	0.00062 U	0.018 U	0.019 U	0.00062 U	0.021 U	0.021 U	0.020 U	0.00062 U	
4-Methyl-2-pentanone (MIBK)	mg/kg	3,400	3,400	NE		0.0044 U	0.0044 U	0.0047 U	0.081 U	0.085 U	0.0047 U	0.097 U	0.093 U	0.091 U	0.0047 U	
Methylene Chloride	mg/kg	3,300	3,300	NE		0.0085	0.0014J	0.0014J	0.024 U	0.026 U	0.0041	0.029 U	0.028 U	0.027 U	0.00097 U	
Naphthalene	mg/kg	420	560	0.511	-0.52991453	0.00057 U	0.01	0.00062 U	5.9	4.8	0.0053	1.0	4.2	4.8	0.02	
n-Propylbenzene	mg/kg	236 <sup>8</sup>	236 <sup>8</sup>	NE	-0.631578947	0.00057 U	0.0045	0.00062 U	1.4	1.1	0.016	0.85	1.7	1.5	0.15	
Styrene	mg/kg	870	1,700	NE		0.00057 U	0.00058 U	0.00062 U	0.013 U	0.014 U	0.00062 U	0.015 U	0.015 U	0.015 U	0.00062 U	
1,1,2,2-Tetrachloroethane	mg/kg	71	670	NE		0.00064 U	0.00064 U	0.00069 U	0.018 U	0.019 U	0.00069 U	0.022 U	0.021 U	0.021 U	0.00070 U	
1,1,1,2-Tetrachloroethane	mg/kg	230	680	NE		NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Tetrachloroethene	mg/kg	170	220	NE		0.00069 U	0.00069 U	0.00074 U	0.019 U	0.020 U	0.00074 U	0.023 U	0.022 U	0.021 U	0.00075 U	
Toluene	mg/kg	820	820	70.7		0.00077 U	0.0011J	0.00083 U	0.027J	0.030J	0.00083 U	0.015 U	0.046J	0.12	0.00083 U	
Xylenes, Total	mg/kg	260	260	42.7		0.0016 U	0.0057J	0.0017 U	0.94	0.81	0.0017 U	0.042 U	1.1	1.2	0.0017 U	
1,2,3-Trichlorobenzene	mg/kg	NE	NE	NE		0.00057 U	0.00058 U	0.00062 U	0.050 U	0.053 U	0.00062 U	0.060 U	0.058 U	0.056 U	0.00062 U	
1,2,4-Trichlorobenzene	mg/kg	400	NE	NE		0.00057 U	0.00058 U	0.00062 U	0.044 U	0.047 U	0.00062 U	0.053 U	0.051 U	0.050 U	0.00062 U	
1,1,1-Trichloroethane	mg/kg	640	1,300	NE		0.00071 U	0.00071 U	0.00077 U	0.012 U	0.013 U	0.00077 U	0.014 U	0.014 U	0.013 U	0.00077 U	
1,1,2-Trichloroethane	mg/kg	130	210	NE		0.00064 U	0.00064 U	0.00069 U	0.018 U	0.019 U	0.00069 U	0.021 U	0.021 U	0.020 U	0.00070 U	
Trichloroethene	mg/kg	51	560	NE		0.00057 U	0.00058 U	0.00062 U	0.018 U	0.019 U	0.00062 U	0.021 U	0.021 U	0.020 U	0.00062 U	
Trichlorofluoromethane	mg/kg	1,200	1,600	NE		0.00057 U	0.00058 U	0.00062 U	0.013 U	0.014 U	0.00062 U	0.015 U	0.015 U	0.015 U	0.00062 U	
1,2,3-Trichloropropane	mg/kg	4.4	19	NE		0.00057 U	0.00058 U	0.00062 U	0.032 U	0.034 U	0.00062 U	0.039 U	0.037 U	0.036 U	0.00062 U	
1,2,4-Trimethylbenzene	mg/kg	220	220	2.37		0.00057 U	0.0048	0.00062 U	0.96	0.85	0.00062 U	0.016 U	3.4	0.73	0.00062 U	



**Table 2**  
**Summary of VOCs in Soil**  
**Former Leake Oil**

448 E. Taggart Street, East Palestine, Ohio														IA-02		
Sample ID (Depth <sup>1</sup> )		VAP Standard		BUSTR <sup>5</sup>		SB-14 (10-12 FT)	SB-15 (16/18 FT)	SB-15 (10-12 FT)	SB-16 ( 8-10 FT)	SB-16 (10-12 FT)	SB-17 (6-8 FT)	SB-17 (8-10 FT)	MW-02 (6-8 FT)	MW-02 (10-12 FT)	MW-03 (6-8 FT)	
Collection Date						6/4/2024	6/3/2024	6/3/2024	6/3/2024	6/3/2024	6/4/2024	6/4/2024	6/3/2024	6/3/2024	6/4/2024	
Parameter	Units <sup>2</sup>	GDCS Commercial & Industrial Land Use <sup>4</sup>	GDCS Construction & Excavation Activities <sup>3</sup>	Closure Action Levels		Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	
1,3,5-Trimethylbenzene	mg/kg	180	180	NE		0.00057 U	<b>0.0041</b>	0.00062 U	<b>0.83</b>	<b>0.73</b>	0.00062 U	0.013 U	<b>0.83</b>	<b>0.49</b>	0.00062 U	
Vinyl chloride	mg/kg	49	280	NE		0.00057 U	0.00058 U	0.00062 U	0.016 U	0.017 U	0.00062 U	0.019 U	0.019 U	0.018 U	0.00062 U	
o-Xylenes	mg/kg	260	260	42.7		0.00067 U	<b>0.0024</b>	0.00072 U	0.018 U	0.019 U	0.00072 U	0.021 U	0.021 U	0.020 U	0.00072 U	
m&p-Xylenes	mg/kg	260	260	42.7		0.00095 U	<b>0.0033J</b>	0.0010 U	<b>0.94</b>	<b>0.81</b>	0.0010 U	0.033 U	<b>1.1</b>	<b>1.2</b>	0.0010 U	

**Notes**

1. FT - Feet below grade
  2. mg/kg = Milligrams per kilogram - parts per million (ppm)
  3. Ohio EPA Voluntary Action Program (VAP) Generic Direct Contact Standard (GDCS) for Commercial/Industrial Land Use
  4. Ohio EPA Voluntary Action Program (VAP) Generic Direct Contact Standard (GDCS) for Construction and Excavation Activities
  5. BUSTR Action Levels defined in OAC 1301: 7-9-13, as required by OAC 3745-300-08(B)(3), Sand and Gravel, Unknown
  7. NE: Not Established (No Regulatory Limits Under the VAP Have Been Established for the Specific Compound).
  8. Standards from the Ohio EPA Voluntary Action Program Chemical Information Database and Applicable Regulatory Standards
  10. J = Analyte is present at an estimated concentration between the Method Detection Limit and Report Limit.
- U = Analyte is below laboratory reporting limits.  
 NT = Sample not tested for the analytical method. Samples were sent to two labs with different reporting processes.  
**Bold** numbers indicate a concentration above laboratory detection limits.  
**Bold and shaded** numbers indicate a detected concentration above a comparison standard.

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**Table 2**  
**Summary of VOCs in Soil**  
**Former Leake Oil**

**448 E. Taggart Street, East Palestine, Ohio**

Sample ID (Depth <sup>1</sup> )		VAP Standard		BUSTR <sup>5</sup>	MW-03 (8-10 FT)	MW-04 (6-8 FT)	MW-04 (10-12 FT)	MW-05 (4-6 FT)	MW-05 (6-8 FT)	MW-06 (4-6 FT)	MW-06 (10-12 FT)	SB-32 (0-2 FT)	SB-32 (2-4 FT)	SB-33 (0-2 FT)	SB-33 (2-4 FT)
Collection Date		GDCS Commercial & Industrial Land Use <sup>4</sup>	GDCS Construction & Excavation Activities <sup>3</sup>	Closure Action Levels	6/4/2024	6/4/2024	6/4/2024	6/3/2024	6/3/2024	6/3/2024	6/3/2024	6/7/2024	6/7/2024	6/7/2024	6/7/2024
Parameter	Units <sup>2</sup>				Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
<b>Volatile Organic Compounds - VOCs</b>															
Acetone	mg/kg	110,000	110,000	NE	0.014	0.042	0.0078J	0.046	0.89 U	0.18U	0.0089J	0.023	1.0 U	0.0050 U	0.0057 U
Benzene	mg/kg	130	1,200	0.246	0.00055 U	0.0010J	0.012	0.00058 U	0.066 U	0.013 U	0.00074J	0.00075 U	1.1	0.00054 U	0.00062 U
Bromobenzene	mg/kg	NE	NE	NE	0.00055 U	0.00069 U	0.00060 U	0.00058 U	0.092 U	0.018 U	0.00062 U	0.00075 U	0.11 U	0.00054 U	0.00062 U
Bromochloromethane	mg/kg	300	33	NE	0.00055 U	0.00069 U	0.00060 U	0.00058 U	0.092 U	0.018 U	0.00062 U	0.00075 U	0.11 U	0.00054 U	0.00062 U
Bromodichloromethane	mg/kg	33	300	NE	0.00078 U	0.00098 U	0.00086 U	0.00082 U	0.077 U	0.016 U	0.00088 U	0.0011 U	0.089 U	0.00077 U	0.00088 U
Bromoform	mg/kg	910	910	NE	0.00057 U	0.00072 U	0.00063 U	0.00060 U	0.12 U	0.023 U	0.00064 U	0.00077 U	0.13 U	0.00056 U	0.00064 U
Bromomethane	mg/kg	76	550	NE	0.00057 U	0.00072 U	0.00063 U	0.00060 U	0.11 U	0.023 U	0.00064 U	0.00077 U	0.13 U	0.00056 U	0.00064 U
2-Butanone (MEK)	mg/kg	28,000	28,000	NE	0.0035 U	0.0061J	0.0039 U	0.0048J	0.52 U	0.10U	0.0040 U	0.0048 U	0.59 U	0.0034 U	0.0040 U
n-Butylbenzene	mg/kg	178 <sup>6</sup>	178 <sup>8</sup>	NE	0.00055 U	0.00069 U	0.00060 U	0.00058 U	0.61	0.45	0.00062 U	0.00075 U	1.6	0.00054 U	0.00062 U
tert-Butylbenzene	mg/kg	215 <sup>8</sup>	215 <sup>8</sup>	NE	0.00061 U	0.00076 U	0.00066 U	0.00064 U	0.13 U	0.025 U	0.00068 U	0.00082 U	0.15 U	0.00059 U	0.00068 U
sec-Butylbenzene	mg/kg	764 <sup>8</sup>	764 <sup>8</sup>	NE	0.00055 U	0.0057	0.00060 U	0.00069J	0.29	0.26	0.00062 U	0.00075 U	0.68	0.00054 U	0.00062 U
Carbon Disulfide	mg/kg	740	740	NE	0.0015J	0.00087 U	0.00076 U	0.00073 U	0.066 U	0.013 U	0.0011J	0.00094 U	0.076 U	0.00068 U	0.00078 U
Carbon tetrachloride	mg/kg	74	460	NE	0.00056 U	0.00070 U	0.00061 U	0.00059 U	0.089 U	0.018 U	0.00063 U	0.00076 U	0.10 U	0.00055 U	0.00063 U
Chlorobenzene	mg/kg	760	760	NE	0.00056 U	0.00070 U	0.00061 U	0.00059 U	0.054 U	0.011 U	0.00063 U	0.00076 U	0.063 U	0.00055 U	0.00063 U
Chlorodibromomethane	mg/kg	84	1,600	NE	0.00075 U	0.00094 U	0.00082 U	0.00079 U	0.13 U	0.026 U	0.00084 U	0.0010 U	0.15 U	0.00073 U	0.00084 U
Chloroethane	mg/kg	2,100	2,200	NE	0.00094 U	0.0012 U	0.0010 U	0.00098 U	0.095 U	0.019 U	0.0011 U	0.0013 U	0.11 U	0.00092 U	0.0011 U
Chloroform	mg/kg	35	320	NE	0.00058 U	0.00073 U	0.00064 U	0.00061 U	0.060 U	0.012 U	0.00065 U	0.00079 U	0.069 U	0.00057 U	0.00066 U
Chloromethane	mg/kg	1,200	1,300	NE	0.00061 U	0.00076 U	0.00066 U	0.00064 U	0.089 U	0.018 U	0.00068 U	0.00082 U	0.10 U	0.00059 U	0.00068 U
2-Chlorotoluene	mg/kg	NE	NE	NE	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
4-Chlorotoluene	mg/kg	NE	NE	NE	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
o-Chlorotoluene	mg/kg	NE	NE	NE	0.00055 U	0.00069 U	0.00060 U	0.00058 U	0.074 U	0.015 U	0.00062 U	0.00075 U	0.086 U	0.00054 U	0.00062 U

**Table 2**  
**Summary of VOCs in Soil**  
**Former Leake Oil**

**448 E. Taggart Street, East Palestine, Ohio**

Sample ID (Depth <sup>1</sup> )		VAP Standard		BUSTR <sup>5</sup>	MW-03 (8-10 FT)	MW-04 (6-8 FT)	MW-04 (10-12 FT)	MW-05 (4-6 FT)	MW-05 (6-8 FT)	MW-06 (4-6 FT)	MW-06 (10-12 FT)	SB-32 (0-2 FT)	SB-32 (2-4 FT)	SB-33 (0-2 FT)	SB-33 (2-4 FT)
Collection Date		GDCS Commercial & Industrial Land Use <sup>4</sup>	GDCS Construction & Excavation Activities <sup>3</sup>	Closure Action Levels	6/4/2024	6/4/2024	6/4/2024	6/3/2024	6/3/2024	6/3/2024	6/3/2024	6/7/2024	6/7/2024	6/7/2024	6/7/2024
Parameter	Units <sup>2</sup>				Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
p-Chlorotoluene	mg/kg	NE	NE	NE	0.00055 U	0.00069 U	0.00060 U	0.00058 U	0.095 U	0.019 U	0.00062 U	0.00075 U	0.11 U	0.00054 U	0.00062 U
1,2-Dibromo-3-Chloropropane	mg/kg	1.6	15	NE	0.00028 U	0.00034 U	0.00030 U	0.00029 U	0.43 U	0.087 U	0.00031 U	0.00037 U	0.50 U	0.00027 U	0.00031 U
1,2-Dibromoethane	mg/kg	4.4	39	0.000982	0.00059 U	0.00074 U	0.00065 U	0.00062 U	0.080 U	0.016 U	0.00067 U	0.00080 U	0.092 U	0.00058 U	0.00067 U
Dibromomethane	mg/kg	250	870	NE	0.00079 U	0.00099 U	0.00087 U	0.00083 U	0.089 U	0.018 U	0.00089 U	0.0011 U	0.10 U	0.00078 U	0.00089 U
1,2-Dichlorobenzene	mg/kg	380	370	NE	0.00055 U	0.00069 U	0.00060 U	0.00058 U	0.11 U	0.022 U	0.00062 U	0.00075 U	0.13 U	0.00054 U	0.00062 U
1,3-Dichlorobenzene	mg/kg	NE	NE	NE	0.00055 U	0.00069 U	0.00060 U	0.00058 U	0.072 U	0.014 U	0.00062 U	0.00075 U	0.083 U	0.00054 U	0.00062 U
1,4-Dichlorobenzene	mg/kg	290	2,600	NE	0.00055 U	0.00069 U	0.00060 U	0.00058 U	0.077 U	0.016 U	0.00062 U	0.00075 U	0.089 U	0.00054 U	0.00062 U
Dichlorodifluoromethane	mg/kg	850	850	NE	0.00074 U	0.00092 U	0.00081 U	0.00077 U	0.095 U	0.019 U	0.00083 U	0.0010 U	0.11 U	0.00072 U	0.00083 U
1,1-Dichloroethane	mg/kg	390	1,700	NE	0.00055 U	0.00069 U	0.00060 U	0.00058 U	0.080 U	0.016 U	0.00062 U	0.00075 U	0.092 U	0.00054 U	0.00062 U
1,2-Dichloroethane	mg/kg	52	480	0.177	0.00055 U	0.00069 U	<b>0.0065</b>	0.00058 U	0.092 U	0.018 U	0.00062 U	0.00075 U	0.11 U	0.00054 U	0.00062 U
1,1-Dichloroethene	mg/kg	1,200	180	NE	0.00057 U	0.00072 U	0.00063 U	0.00060 U	0.083 U	0.017 U	0.00064 U	0.00077 U	0.096 U	0.00056 U	0.00064 U
cis-1,2-Dichloroethene	mg/kg	NE	2,200	NE	0.00055 U	0.00069 U	0.00060 U	0.00058 U	0.092 U	0.0180 U	0.00062 U	0.00075 U	0.11 U	0.00054 U	0.00062 U
trans-1,2-Dichloroethene	mg/kg	1,700	78	NE	0.00057 U	0.00072 U	0.00063 U	0.00060 U	0.074 U	0.015 U	0.00064 U	0.00077 U	0.086 U	0.00056 U	0.00064 U
1,3-Dichloropropane	mg/kg	1,500	1,500	NE	0.00091 U	0.0011 U	0.0010 U	0.00096 U	0.077 U	0.016 U	0.0010 U	0.0012 U	0.089 U	0.00089 U	0.0010 U
2,2-Dichloropropane	mg/kg	NE	NE	NE	0.00055 U	0.00069 U	0.00060 U	0.00058 U	0.092 U	0.018 U	0.00062 U	0.00075 U	0.11 U	0.00054 U	0.00062 U
1,2-Dichloropropane	mg/kg	170	180	NE	0.00066 U	0.00083 U	0.00072 U	0.00069 U	0.069 U	0.014 U	0.00074 U	0.00089 U	0.079 U	0.00065 U	0.00074 U
1,1-Dichloropropene	mg/kg	NE	NE	NE	0.00055 U	0.00069 U	0.00060 U	0.00058 U	0.077 U	0.016 U	0.00062 U	0.00075 U	0.089 U	0.00054 U	0.00062 U
cis-1,3-Dichloropropene	mg/kg	NE	NE	NE	0.00061 U	0.00076 U	0.00066 U	0.00064 U	0.089 U	0.018 U	0.00068 U	0.00082 U	0.10 U	0.00059 U	0.00068 U
trans-1,3-Dichloropropene	mg/kg	NE	NE	NE	0.00064 U	0.00080 U	0.00070 U	0.00067 U	0.083 U	0.017 U	0.00072 U	0.00086 U	0.096 U	0.00062 U	0.00072 U
Ethylbenzene	mg/kg	480	480	84.5	0.00075 U	0.00094 U	0.00082 U	0.00079 U	0.097 U	<b>0.41</b>	0.00084 U	0.0010 U	<b>0.30J</b>	0.00073 U	0.00084 U
Freon 113	mg/kg	NE	NE	NE	0.00055 U	0.00069 U	0.00060 U	0.00058 U	0.074 U	0.015 U	0.00062 U	0.00075 U	0.086 U	0.00054 U	0.00062 U

**Table 2**  
**Summary of VOCs in Soil**  
**Former Leake Oil**

**448 E. Taggart Street, East Palestine, Ohio**

Sample ID (Depth <sup>1</sup> )		VAP Standard		BUSTR <sup>5</sup>	MW-03 (8-10 FT)	MW-04 (6-8 FT)	MW-04 (10-12 FT)	MW-05 (4-6 FT)	MW-05 (6-8 FT)	MW-06 (4-6 FT)	MW-06 (10-12 FT)	SB-32 (0-2 FT)	SB-32 (2-4 FT)	SB-33 (0-2 FT)	SB-33 (2-4 FT)
Collection Date		GDCS Commercial & Industrial Land Use <sup>4</sup>	GDCS Construction & Excavation Activities <sup>3</sup>	Closure Action Levels	6/4/2024	6/4/2024	6/4/2024	6/3/2024	6/3/2024	6/3/2024	6/3/2024	6/7/2024	6/7/2024	6/7/2024	6/7/2024
Parameter	Units <sup>2</sup>				Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
2-Hexanone	mg/kg	NE	NE	NE	0.0031 U	0.0039U	0.0034 U	0.0032 U	0.37 U	0.075 U	0.0035 U	0.0042 U	0.43 U	0.0030 U	0.0035 U
Hexachloro-1,3-butadiene	mg/kg	630	170	NE	0.00055 U	0.00069U	0.00060 U	0.00058 U	0.29 U	0.058 U	0.00062 U	0.00075 U	0.33 U	0.00054 U	0.00062 U
n-Hexane	mg/kg	140	190	NE	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT

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**Table 2**  
**Summary of VOCs in Soil**  
**Former Leake Oil**

**448 E. Taggart Street, East Palestine, Ohio**

Sample ID (Depth <sup>1</sup> )		VAP Standard		BUSTR <sup>5</sup>	MW-03 (8-10 FT)	MW-04 (6-8 FT)	MW-04 (10-12 FT)	MW-05 (4-6 FT)	MW-05 (6-8 FT)	MW-06 (4-6 FT)	MW-06 (10-12 FT)	SB-32 (0-2 FT)	SB-32 (2-4 FT)	SB-33 (0-2 FT)	SB-33 (2-4 FT)
Collection Date		GDCS Commercial & Industrial Land Use <sup>4</sup>	GDCS Construction & Excavation Activities <sup>3</sup>	Closure Action Levels	6/4/2024	6/4/2024	6/4/2024	6/3/2024	6/3/2024	6/3/2024	6/3/2024	6/7/2024	6/7/2024	6/7/2024	6/7/2024
Parameter	Units <sup>2</sup>				Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Isopropylbenzene	mg/kg	270	260	NE	0.00067 U	<b>0.0016J</b>	0.00073 U	0.00070 U	<b>0.077J</b>	<b>0.31</b>	0.00075 U	0.00091 U	<b>0.63</b>	0.00066 U	0.00075 U
p-Isopropyltoluene	mg/kg	573 <sup>8</sup>	573 <sup>8</sup>	NE	0.00055 U	0.00069 U	0.00060 U	0.00058 U	0.092 U	<b>0.28</b>	0.00062 U	0.00075 U	0.11 U	0.00054 U	0.00062 U
Methyl tert-butyl ether	mg/kg	5,400	8,900	2	<b>0.0025</b>	0.00069 U	0.00060 U	0.00058 U	0.095 U	0.019 U	0.00062 U	0.00075 U	0.11 U	0.00054 U	0.00062 U
4-Methyl-2-pentanone (MIBK)	mg/kg	3,400	3,400	NE	0.0042 U	0.0052 U	0.0046 U	0.0044 U	0.43 U	0.087 U	0.0047 U	0.0057 U	<b>4.2</b>	0.0041 U	0.0047 U
Methylene Chloride	mg/kg	3,300	3,300	NE	<b>0.006</b>	<b>0.0015J</b>	<b>0.0041</b>	<b>0.0019J</b>	0.13 U	0.026 U	<b>0.0058</b>	0.0012 U	0.15 U	0.00084 U	<b>0.0026</b>
Naphthalene	mg/kg	420	560	<b>0.511</b>	0.00055 U	<b>0.017</b>	0.00060 U	0.00058 U	<b>0.22J</b>	<b>2.1</b>	0.00062 U	0.00075 U	<b>0.95</b>	0.00054 U	0.00062 U
n-Propylbenzene	mg/kg	236 <sup>8</sup>	236 <sup>8</sup>	NE	0.00055 U	<b>0.0042</b>	0.00060 U	0.00058 U	<b>0.28J</b>	<b>0.74</b>	0.00062 U	0.00075 U	<b>1.5</b>	0.00054 U	0.00062 U
Styrene	mg/kg	870	1,700	NE	0.00055 U	0.00069 U	0.00060 U	0.00058 U	0.069 U	0.014 U	0.00062 U	0.00075 U	0.079 U	0.00054 U	0.00062 U
1,1,2,2-Tetrachloroethane	mg/kg	71	670	NE	0.00062 U	0.00077 U	0.00067 U	0.00065 U	0.097 U	0.020 U	0.00069 U	0.00083 U	0.11 U	0.00060 U	0.00069 U
1,1,1,2-Tetrachloroethane	mg/kg	230	680	NE	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Tetrachloroethene	mg/kg	170	220	NE	0.00066 U	0.00083 U	0.00072 U	0.00069 U	0.10 U	0.020 U	0.00074 U	0.00089 U	0.12 U	0.00065 U	0.00074 U
Toluene	mg/kg	820	820	<b>70.7</b>	0.00074 U	0.00092 U	0.00081 U	0.00077 U	0.066 U	0.013 U	0.00083 U	0.0010 U	<b>0.10J</b>	0.00072 U	0.00083 U
Xylenes, Total	mg/kg	260	260	42.7	0.0015 U	0.0019 U	0.0017 U	0.0016 U	0.19 U	<b>0.11J</b>	0.0017 U	0.0021 U	<b>0.86J</b>	0.0015 U	0.0017 U
1,2,3-Trichlorobenzene	mg/kg	NE	NE	NE	0.00055 U	0.00069 U	0.00060 U	0.00058 U	0.27 U	0.054 U	0.00062 U	0.00075 U	0.31 U	0.00054 U	0.00062 U
1,2,4-Trichlorobenzene	mg/kg	400	NE	NE	0.00055 U	0.00069 U	0.00060 U	0.00058 U	0.24 U	0.047 U	0.00062 U	0.00075 U	0.27 U	0.00054 U	0.00062 U
1,1,1-Trichloroethane	mg/kg	640	1,300	NE	0.00068 U	0.00085 U	0.00075 U	0.00072 U	0.063 U	0.013 U	0.00077 U	0.00092 U	0.073 U	0.00067 U	0.00077 U
1,1,2-Trichloroethane	mg/kg	130	210	NE	0.00062 U	0.00077 U	0.00067 U	0.00065 U	0.095 U	0.019 U	0.00069 U	0.00083 U	0.11 U	0.00060 U	0.00069 U
Trichloroethene	mg/kg	51	560	NE	0.00055 U	0.00069 U	0.00060 U	0.00058 U	0.095 U	0.019 U	0.00062 U	0.00075 U	0.11 U	0.00054 U	0.00062 U
Trichlorofluoromethane	mg/kg	1,200	1,600	NE	0.00055 U	0.00069 U	0.00060 U	0.00058 U	0.069 U	0.014 U	0.00062 U	0.00075 U	0.079 U	0.00054 U	0.00062 U
1,2,3-Trichloropropane	mg/kg	4.4	19	NE	0.00055 U	0.00069 U	0.00060 U	0.00058 U	0.17 U	0.035 U	0.00062 U	0.00075 U	0.20 U	0.00054 U	0.00062 U
1,2,4-Trimethylbenzene	mg/kg	220	220	2.37	0.00055 U	0.00069 U	0.00060 U	<b>0.00082J</b>	0.072 U	<b>0.21</b>	0.00062 U	0.00075 U	<b>0.67</b>	0.00054 U	0.00062 U

**Table 2**  
**Summary of VOCs in Soil**  
**Former Leake Oil**

**448 E. Taggart Street, East Palestine, Ohio**

Sample ID (Depth <sup>1</sup> )		VAP Standard		BUSTR <sup>5</sup>	MW-03 (8-10 FT)	MW-04 (6-8 FT)	MW-04 (10-12 FT)	MW-05 (4-6 FT)	MW-05 (6-8 FT)	MW-06 (4-6 FT)	MW-06 (10-12 FT)	SB-32 (0-2 FT)	SB-32 (2-4 FT)	SB-33 (0-2 FT)	SB-33 (2-4 FT)
Collection Date		GDGS Commercial & Industrial Land Use <sup>4</sup>	GDGS Construction & Excavation Activities <sup>3</sup>	Closure Action Levels	6/4/2024	6/4/2024	6/4/2024	6/3/2024	6/3/2024	6/3/2024	6/3/2024	6/7/2024	6/7/2024	6/7/2024	6/7/2024
Parameter	Units <sup>2</sup>				Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
1,3,5-Trimethylbenzene	mg/kg	180	180	NE	0.00055 U	0.00069 U	0.00060 U	0.00058 U	0.057 U	<b>0.084</b>	0.00062 U	0.00075 U	<b>0.11J</b>	0.00054 U	0.00062 U
Vinyl chloride	mg/kg	49	280	NE	0.00055 U	0.00069 U	0.00060 U	0.00058 U	0.086 U	0.017 U	0.00062 U	0.00075 U	0.099 U	0.00054 U	0.00062 U
o-Xylenes	mg/kg	260	260	42.7	0.00064 U	0.00080 U	0.00070 U	0.00067 U	0.095 U	0.019 U	0.00072 U	0.00086 U	0.11 U	0.00062 U	0.00072 U
m&p-Xylenes	mg/kg	260	260	42.7	0.00091 U	0.0011 U	0.0010 U	0.00096 U	0.15 U	<b>0.11J</b>	0.0010 U	0.0012 U	<b>0.86</b>	0.00089 U	0.0010 U

**Notes**

1. FT - Feet below grade
  2. mg/kg = Milligrams per kilogram - parts per million (ppm)
  3. Ohio EPA Voluntary Action Program (VAP) Generic Direct Contact Standard (GDGS) for Commercial/Industrial Land Use
  4. Ohio EPA Voluntary Action Program (VAP) Generic Direct Contact Standard (GDGS) for Construction and Excavation Activities
  5. BUSTR Action Levels defined in OAC 1301: 7-9-13, as required by OAC 3745-300-08(B)(3), Sand and Gravel, Unknown
  7. NE: Not Established (No Regulatory Limits Under the VAP Have Been Established for the Specific Compound).
  8. Standards from the Ohio EPA Voluntary Action Program Chemical Information Database and Applicable Regulatory Standards
  10. J = Analyte is present at an estimated concentration between the Method Detection Limit and Report Limit.
- U = Analyte is below laboratory reporting limits.
- NT = Sample not tested for the analytical method. Samples were sent to two labs with different reporting processes.
- Bold** numbers indicate a concentration above laboratory detection limits.
- Bold and shaded** numbers indicate a detected concentration above a comparison standard.

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**Table 2**  
**Summary of VOCs in Soil**  
**Former Leake Oil**

448 E. Taggart Street, East Palestine, Ohio															
Sample ID (Depth <sup>1</sup> )		VAP Standard		BUSTR <sup>5</sup>	SB-34 (0-2 FT)	SB-34 (2-4 FT)	SB-35 (2-4 FT)	SB-35 (4-6 FT)	SB-36 (2-4 FT)	SB-36 (4-6 FT)	MW-07 (0-2 FT)	MW-07 (6-8 FT)	MW-08 (4-6 FT)	MW-08 (6-8 FT)	MW-09 (4-6 FT)
Collection Date		GDCS Commercial & Industrial Land Use <sup>4</sup>	GDCS Construction & Excavation Activities <sup>3</sup>	Closure Action Levels	6/7/2024	6/7/2024	6/7/2024	6/7/2024	6/7/2024	6/7/2024	6/17/2024	6/17/2024	6/17/2024	6/17/2024	6/17/2024
Parameter	Units <sup>2</sup>				Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
<b>Volatile Organic Compounds - VOCs</b>															
Acetone	mg/kg	110,000	110,000	NE	0.0058 U	1.0 U	1.1 U	0.89 U	<b>0.019</b>	0.85 U	<0.057	<0.063	<0.30	<0.30	<0.077
Benzene	mg/kg	130	1,200	<b>0.246</b>	0.00063 U	0.074 U	0.083 U	0.066 U	<b>0.0012J</b>	0.063 U	<0.0057	<0.0063	<0.030	<0.030	<0.0077
Bromobenzene	mg/kg	NE	NE	NE	0.00063 U	0.10 U	0.12 U	0.092 U	0.00057 U	0.087 U	<0.0057	<0.0063	<0.030	<0.030	<0.0077
Bromochloromethane	mg/kg	300	33	NE	0.00063 U	0.10 U	0.12 U	0.092 U	0.00057 U	0.087 U	<0.0057	<0.0063	<0.030	<0.030	<0.0077
Bromodichloromethane	mg/kg	33	300	NE	0.00089 U	0.087 U	0.098 U	0.078 U	0.00081 U	0.074 U	<0.0057	<0.0063	<0.030	<0.030	<0.0077
Bromoform	mg/kg	910	910	NE	0.00065 U	0.13 U	0.14 U	0.12 U	0.00059 U	0.11 U	<0.0057	<0.0063	<0.030	<0.030	<0.0077
Bromomethane	mg/kg	76	550	NE	0.00065 U	0.13 U	0.14 U	0.11 U	0.00059 U	0.11 U	<0.0057	<0.0063	<0.030	<0.030	<0.0077
2-Butanone (MEK)	mg/kg	28,000	28,000	NE	0.0040 U	0.58 U	0.65 U	0.52 U	0.0037 U	0.49 U	<0.057	<0.063	<0.30	<0.30	<0.077
n-Butylbenzene	mg/kg	178 <sup>6</sup>	178 <sup>8</sup>	NE	0.00063 U	0.19 U	<b>1.5</b>	<b>1.3</b>	0.00057 U	<b>1.6</b>	<0.0057	<0.0063	<b>0.16</b>	<b>0.14</b>	<0.0077
tert-Butylbenzene	mg/kg	215 <sup>8</sup>	215 <sup>8</sup>	NE	0.00069 U	0.14 U	0.16 U	0.13 U	0.00063 U	0.12 U	<0.0057	<0.0063	<0.030	<0.030	<0.0077
sec-Butylbenzene	mg/kg	764 <sup>8</sup>	764 <sup>8</sup>	NE	0.00063 U	0.10 U	<b>0.64</b>	<b>0.46</b>	0.00057 U	<b>0.65</b>	<0.0057	<0.0063	<b>0.064</b>	<0.030	<0.0077
Carbon Disulfide	mg/kg	740	740	NE	0.00079 U	0.074 U	0.083 U	0.066 U	0.00072 U	0.063 U	<0.0057	<0.0063	<0.030	<0.030	<0.0077
Carbon tetrachloride	mg/kg	74	460	NE	0.00064 U	0.10 U	0.11 U	0.089 U	0.00058 U	0.085 U	<0.0057	<0.0063	<0.030	<0.030	<0.0077
Chlorobenzene	mg/kg	760	760	NE	0.00064 U	0.061 U	0.069 U	0.055 U	0.00058 U	0.052 U	<0.0057	<0.0063	<0.030	<0.030	<0.0077
Chlorodibromomethane	mg/kg	84	1,600	NE	0.00085 U	0.14 U	0.16 U	0.13 U	0.00078 U	0.12 U	<0.0057	<0.0063	<0.030	<0.030	<0.0077
Chloroethane	mg/kg	2,100	2,200	NE	0.0011 U	0.11 U	0.12 U	0.095 U	0.00097 U	0.090 U	<0.0057	<0.0063	<0.030	<0.030	<0.0077
Chloroform	mg/kg	35	320	NE	0.00066 U	0.068 U	0.076 U	0.060 U	0.00061 U	0.057 U	<0.0057	<0.0063	<0.030	<0.030	<0.0077
Chloromethane	mg/kg	1,200	1,300	NE	0.00069 U	0.10 U	0.11 U	0.089 U	0.00063 U	0.085 U	<0.0057	<0.0063	<0.030	<0.030	<0.0077
2-Chlorotoluene	mg/kg	NE	NE	NE	NT	NT	NT	NT	NT	NT	<0.0057	<0.0063	<0.030	<0.030	<0.0077
4-Chlorotoluene	mg/kg	NE	NE	NE	NT	NT	NT	NT	NT	NT	<0.0057	<0.0063	<0.030	<0.030	<0.0077
o-Chlorotoluene	mg/kg	NE	NE	NE	0.00063 U	0.084 U	0.094 U	0.075 U	0.00057 U	0.071 U	NT	NT	NT	NT	NT



**Table 2**  
**Summary of VOCs in Soil**  
**Former Leake Oil**

448 E. Taggart Street, East Palestine, Ohio															
Sample ID (Depth <sup>1</sup> )		VAP Standard		BUSTR <sup>5</sup>	SB-34 (0-2 FT)	SB-34 (2-4 FT)	SB-35 (2-4 FT)	SB-35 (4-6 FT)	SB-36 (2-4 FT)	SB-36 (4-6 FT)	MW-07 (0-2 FT)	MW-07 (6-8 FT)	MW-08 (4-6 FT)	MW-08 (6-8 FT)	MW-09 (4-6 FT)
Collection Date		GDCS Commercial & Industrial Land Use <sup>4</sup>	GDCS Construction & Excavation Activities <sup>3</sup>	Closure Action Levels	6/7/2024	6/7/2024	6/7/2024	6/7/2024	6/7/2024	6/7/2024	6/17/2024	6/17/2024	6/17/2024	6/17/2024	6/17/2024
Parameter	Units <sup>2</sup>				Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
p-Chlorotoluene	mg/kg	NE	NE	NE	0.00063 U	0.11 U	0.12 U	0.095 U	0.00057 U	0.090 U	NT	NT	NT	NT	NT
1,2-Dibromo-3-Chloropropane	mg/kg	1.6	15	NE	0.00031 U	0.48 U	0.54 U	0.43 U	0.00029 U	0.41 U	<0.0057	<0.0063	<0.030	<0.030	<0.0077
1,2-Dibromoethane	mg/kg	4.4	39	0.000982	0.00068 U	0.090 U	0.10 U	0.081 U	0.00062 U	0.076 U	<0.0057	<0.0063	<0.030	<0.030	<0.0077
Dibromomethane	mg/kg	250	870	NE	0.00090 U	0.10 U	0.11 U	0.089 U	0.00082 U	0.085 U	<0.0057	<0.0063	<0.030	<0.030	<0.0077
1,2-Dichlorobenzene	mg/kg	380	370	NE	0.00063 U	0.12 U	0.14 U	0.11 U	0.00057 U	0.10 U	<0.0057	<0.0063	<0.030	<0.030	<0.0077
1,3-Dichlorobenzene	mg/kg	NE	NE	NE	0.00063 U	0.080 U	0.090 U	0.072 U	0.00057 U	0.068 U	<0.0057	<0.0063	<0.030	<0.030	<0.0077
1,4-Dichlorobenzene	mg/kg	290	2,600	NE	0.00063 U	0.087 U	0.098 U	0.078 U	0.00057 U	0.074 U	<0.0057	<0.0063	<0.030	<0.030	<0.0077
Dichlorodifluoromethane	mg/kg	850	850	NE	0.00084 U	0.11 U	0.12 U	0.095 U	0.00077 U	0.090 U	<0.0057	<0.0063	<0.030	<0.030	<0.0077
1,1-Dichloroethane	mg/kg	390	1,700	NE	0.00063 U	0.090 U	0.10 U	0.081 U	0.00057 U	0.076 U	<0.0057	<0.0063	<0.030	<0.030	<0.0077
1,2-Dichloroethane	mg/kg	52	480	0.177	0.00063 U	0.10 U	0.12 U	0.092 U	0.00057 U	0.087 U	<0.0057	<0.0063	<0.030	<0.030	<0.0077
1,1-Dichloroethene	mg/kg	1,200	180	NE	0.00065 U	0.093 U	0.10 U	0.084 U	0.00059 U	0.079 U	<0.0057	<0.0063	<0.030	<0.030	<0.0077
cis-1,2-Dichloroethene	mg/kg	NE	2,200	NE	0.00063 U	0.10 U	0.12 U	0.092 U	0.00057 U	0.087 U	<0.0057	<0.0063	<0.030	<0.030	<0.0077
trans-1,2-Dichloroethene	mg/kg	1,700	78	NE	0.00065 U	0.084 U	0.094 U	0.075 U	0.00059 U	0.071 U	<0.0057	<0.0063	<0.030	<0.030	<0.0077
1,3-Dichloropropane	mg/kg	1,500	1,500	NE	0.0010 U	0.087 U	0.098 U	0.078 U	0.00095 U	0.074 U	<0.0057	<0.0063	<0.030	<0.030	<0.0077
2,2-Dichloropropane	mg/kg	NE	NE	NE	0.00063 U	0.10 U	0.12 U	0.092 U	0.00057 U	0.087 U	<0.0057	<0.0063	<0.030	<0.030	<0.0077
1,2-Dichloropropane	mg/kg	170	180	NE	0.00075 U	0.077 U	0.087 U	0.069 U	0.00069 U	0.066 U	<0.0057	<0.0063	<0.030	<0.030	<0.0077
1,1-Dichloropropene	mg/kg	NE	NE	NE	0.00063 U	0.087 U	0.098 U	0.078 U	0.00057 U	0.074 U	<0.0057	<0.0063	<0.030	<0.030	<0.0077
cis-1,3-Dichloropropene	mg/kg	NE	NE	NE	0.00069 U	0.10 U	0.11 U	0.089 U	0.00063 U	0.085 U	<0.0057	<0.0063	<0.030	<0.030	<0.0077
trans-1,3-Dichloropropene	mg/kg	NE	NE	NE	0.00073 U	0.093 U	0.10 U	0.083 U	0.00066 U	0.079 U	<0.0057	<0.0063	<0.030	<0.030	<0.0077
Ethylbenzene	mg/kg	480	480	84.5	0.00085 U	0.11 U	<b>1.1</b>	<b>0.5</b>	0.00078 U	0.093 U	<0.0057	<0.0063	<b>0.86</b>	<b>1.6</b>	<0.0077
Freon 113	mg/kg	NE	NE	NE	0.00063 U	0.084 U	0.094 U	0.075 U	0.00057 U	0.071 U	NT	NT	NT	NT	NT

**Table 2**  
**Summary of VOCs in Soil**  
**Former Leake Oil**

448 E. Taggart Street, East Palestine, Ohio															
Sample ID (Depth <sup>1</sup> )		VAP Standard		BUSTR <sup>5</sup>	SB-34 (0-2 FT)	SB-34 (2-4 FT)	SB-35 (2-4 FT)	SB-35 (4-6 FT)	SB-36 (2-4 FT)	SB-36 (4-6 FT)	MW-07 (0-2 FT)	MW-07 (6-8 FT)	MW-08 (4-6 FT)	MW-08 (6-8 FT)	MW-09 (4-6 FT)
Collection Date		GDCS Commercial & Industrial Land Use <sup>4</sup>	GDCS Construction & Excavation Activities <sup>3</sup>	Closure Action Levels	6/7/2024	6/7/2024	6/7/2024	6/7/2024	6/7/2024	6/7/2024	6/17/2024	6/17/2024	6/17/2024	6/17/2024	6/17/2024
Parameter	Units <sup>2</sup>				Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
2-Hexanone	mg/kg	NE	NE	NE	0.0035 U	0.42 U	0.47 U	0.37 U	0.0032U	0.36 U	<0.0057	<0.0063	<0.030	<0.030	<0.0077
Hexachloro-1,3-butadiene	mg/kg	630	170	NE	0.00063 U	0.32 U	0.36 U	0.29 U	0.00057 U	0.27 U	<0.0057	<0.0063	<0.030	<0.030	<0.0077
n-Hexane	mg/kg	140	190	NE	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT

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**Table 2**  
**Summary of VOCs in Soil**  
**Former Leake Oil**

**448 E. Taggart Street, East Palestine, Ohio**

Sample ID (Depth <sup>1</sup> )		VAP Standard		BUSTR <sup>5</sup>	SB-34 (0-2 FT)	SB-34 (2-4 FT)	SB-35 (2-4 FT)	SB-35 (4-6 FT)	SB-36 (2-4 FT)	SB-36 (4-6 FT)	MW-07 (0-2 FT)	MW-07 (6-8 FT)	MW-08 (4-6 FT)	MW-08 (6-8 FT)	MW-09 (4-6 FT)
Collection Date		GDCS Commercial & Industrial Land Use <sup>4</sup>	GDCS Construction & Excavation Activities <sup>3</sup>	Closure Action Levels	6/7/2024	6/7/2024	6/7/2024	6/7/2024	6/7/2024	6/7/2024	6/17/2024	6/17/2024	6/17/2024	6/17/2024	6/17/2024
Parameter	Units <sup>2</sup>				Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Isopropylbenzene	mg/kg	270	260	NE	0.00076 U	0.071 U	<b>0.66</b>	<b>0.44</b>	0.00070 U	<b>0.5</b>	<0.0057	<0.0063	<b>0.13</b>	<b>0.12</b>	<0.0077
p-Isopropyltoluene	mg/kg	573 <sup>8</sup>	573 <sup>8</sup>	NE	0.00063 U	0.10 U	<b>0.88</b>	<b>0.67</b>	0.00057 U	0.087 U	<0.0057	<0.0063	<b>0.18</b>	<0.030	<0.0077
Methyl tert-butyl ether	mg/kg	5,400	8,900	2	0.00063 U	0.11 U	0.12 U	0.095 U	0.00057 U	0.090 U	<0.0057	<0.0063	<0.12	<0.12	<0.0077
4-Methyl-2-pentanone (MIBK)	mg/kg	3,400	3,400	NE	0.0048 U	<b>1.3J</b>	<b>5</b>	<b>3.3</b>	0.0043 U	<b>7.6</b>	<0.0057	<0.0063	<0.030	<0.030	<0.0077
Methylene Chloride	mg/kg	3,300	3,300	NE	<b>0.0018J</b>	0.14 U	0.16 U	0.13 U	0.00089 U	0.12 U	<0.023	<0.025	<0.12	<0.12	<0.031
Naphthalene	mg/kg	420	560	<b>0.511</b>	0.00063 U	<b>0.63J</b>	<b>5.4</b>	<b>5.5</b>	0.00057 U	0.093 U	<0.0057	<0.0063	<b>0.91</b>	<b>1.5</b>	<0.0077
n-Propylbenzene	mg/kg	236 <sup>8</sup>	236 <sup>8</sup>	NE	0.00063 U	<b>0.14J</b>	<b>1.5</b>	<b>1.1</b>	<b>0.0016J</b>	<b>1.1</b>	<0.0057	<0.0063	<b>0.36</b>	<b>0.32</b>	<0.0077
Styrene	mg/kg	870	1,700	NE	0.00063 U	0.077 U	0.087 U	0.069 U	0.00057 U	0.066 U	<0.0057	<0.0063	<0.030	<0.030	<0.0077
1,1,2,2-Tetrachloroethane	mg/kg	71	670	NE	0.00070 U	0.11 U	0.12 U	0.098 U	0.00064 U	0.093 U	NT	NT	NT	NT	NT
1,1,1,2-Tetrachloroethane	mg/kg	230	680	NE	NT	NT	NT	NT	NT	NT	<0.0057	<0.0063	<0.030	<0.030	<0.0077
Tetrachloroethene	mg/kg	170	220	NE	0.00075 U	0.11 U	0.13 U	0.10 U	0.00069 U	0.096 U	<0.0057	<0.0063	<0.030	<0.030	<0.0077
Toluene	mg/kg	<b>820</b>	<b>820</b>	<b>70.7</b>	0.00084 U	0.074 U	0.083 U	0.066 U	0.00077 U	0.063 U	<0.0057	<0.0063	<0.030	<b>0.074</b>	<0.0077
Xylenes, Total	mg/kg	260	260	42.7	0.0018 U	<b>0.36J</b>	<b>1.7</b>	<b>0.92</b>	0.0016 U	0.18 U	<0.017	<0.019	<b>3</b>	<b>6.2</b>	<0.023
1,2,3-Trichlorobenzene	mg/kg	NE	NE	NE	0.00063 U	0.30 U	0.34 U	0.27 U	0.00057 U	0.25 U	<0.0057	<0.0063	<0.030	<0.030	<0.0077
1,2,4-Trichlorobenzene	mg/kg	400	NE	NE	0.00063 U	0.26 U	0.30 U	0.24 U	0.00057 U	0.22 U	<0.0057	<0.0063	<0.030	<0.030	<0.0077
1,1,1-Trichloroethane	mg/kg	640	1,300	NE	0.00078 U	0.071 U	0.080 U	0.063 U	0.00071 U	0.060 U	<0.0057	<0.0063	<0.030	<0.030	<0.0077
1,1,2-Trichloroethane	mg/kg	130	210	NE	0.00070 U	0.11 U	0.12 U	0.095 U	0.00064 U	0.090 U	<0.0057	<0.0063	<0.030	<0.030	<0.0077
Trichloroethene	mg/kg	51	560	NE	0.00063 U	0.11 U	0.12 U	0.095 U	0.00057 U	0.090 U	<0.0057	<0.0063	<0.030	<0.030	<0.0077
Trichlorofluoromethane	mg/kg	1,200	1,600	NE	0.00063 U	0.077 U	0.087 U	0.069 U	0.00057 U	0.066 U	<0.0057	<0.0063	<0.030	<0.030	<0.0077
1,2,3-Trichloropropane	mg/kg	4.4	19	NE	0.00063 U	0.19 U	0.22 U	0.17 U	0.00057 U	0.16 U	<0.0057	<0.0063	<0.030	<0.030	<0.0077
1,2,4-Trimethylbenzene	mg/kg	220	220	2.37	0.00063 U	<b>0.76</b>	<b>15.2</b>	<b>10.6</b>	0.00057 U	<b>1.4</b>	<0.0057	<0.0063	<b>5.8</b>	<b>5.8</b>	<0.0077

**Table 2**  
**Summary of VOCs in Soil**  
**Former Leake Oil**

448 E. Taggart Street, East Palestine, Ohio															
Sample ID (Depth <sup>1</sup> )		VAP Standard		BUSTR <sup>5</sup>	SB-34 (0-2 FT)	SB-34 (2-4 FT)	SB-35 (2-4 FT)	SB-35 (4-6 FT)	SB-36 (2-4 FT)	SB-36 (4-6 FT)	MW-07 (0-2 FT)	MW-07 (6-8 FT)	MW-08 (4-6 FT)	MW-08 (6-8 FT)	MW-09 (4-6 FT)
Collection Date		GDGS Commercial & Industrial Land Use <sup>4</sup>	GDGS Construction & Excavation Activities <sup>3</sup>	Closure Action Levels	6/7/2024	6/7/2024	6/7/2024	6/7/2024	6/7/2024	6/7/2024	6/17/2024	6/17/2024	6/17/2024	6/17/2024	6/17/2024
Parameter	Units <sup>2</sup>				Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
1,3,5-Trimethylbenzene	mg/kg	180	180	NE	0.00063 U	<b>0.10J</b>	0.072 U	0.058 U	0.00057 U	0.055 U	<0.0057	<0.0063	<b>1.1</b>	<b>0.93</b>	<0.0077
Vinyl chloride	mg/kg	49	280	NE	0.00063 U	0.097 U	0.11 U	0.086 U	0.00057 U	0.082 U	<0.0057	<0.0063	<0.030	<0.030	<0.0077
o-Xylenes	mg/kg	260	260	42.7	0.00073 U	0.11 U	0.12 U	0.095 U	0.00066 U	0.090 U	<0.0057	<0.0063	<b>0.047</b>	<0.59	<0.0077
m&p-Xylenes	mg/kg	260	260	42.7	0.0010 U	<b>0.36J</b>	<b>1.7</b>	<b>0.92</b>	0.00095 U	<b>0.16J</b>	<0.011	<0.013	<b>4.6</b>	<b>6.2</b>	<0.015

**Notes**

1. FT - Feet below grade
2. mg/kg = Milligrams per kilogram - parts per million (ppm)
3. Ohio EPA Voluntary Action Program (VAP) Generic Direct Contact Standard (GDGS) for Commercial/Industrial Land Use
4. Ohio EPA Voluntary Action Program (VAP) Generic Direct Contact Standard (GDGS) for Construction and Excavation Activities
5. BUSTR Action Levels defined in OAC 1301: 7-9-13, as required by OAC 3745-300-08(B)(3), Sand and Gravel, Unknown
7. NE: Not Established (No Regulatory Limits Under the VAP Have Been Established for the Specific Compound).
8. Standards from the Ohio EPA Voluntary Action Program Chemical Information Database and Applicable Regulatory Standards
10. J = Analyte is present at an estimated concentration between the Method Detection Limit and Report Limit.  
U = Analyte is below laboratory reporting limits.  
NT = Sample not tested for the analytical method. Samples were sent to two labs with different reporting processes.  
**Bold** numbers indicate a concentration above laboratory detection limits.  
**Bold and shaded** numbers indicate a detected concentration above a comparison standard.

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**Table 2**  
**Summary of VOCs in Soil**  
**Former Leake Oil**

448 E. Taggart Street, East Palestine, Ohio															IA-03														
Sample ID (Depth <sup>1</sup> )		VAP Standard		BUSTR <sup>5</sup>	MW-09 (6-8 FT)	MW-10 (6-8 FT)	MW-10 (8-10 FT)	MW-11 (0-2 FT)	MW-11 (8-10 FT)	SB-38 (4-6 FT)	SB-38 (6-8 FT)	SB-39 (4-6 FT)	SB-39 (6-8 FT)	SB-40 (0-2 FT)	SB-40 (4-6 FT)														
Collection Date		GDGS Commercial & Industrial Land Use <sup>4</sup>	GDGS Construction & Excavation Activities <sup>3</sup>	Closure Action Levels	6/17/2024	6/18/2024	6/18/2024	6/18/2024	6/18/2024	6/17/2024	6/17/2024	6/17/2024	6/17/2024	6/17/2024	6/17/2024														
Parameter	Units <sup>2</sup>				Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result												
<b>Volatile Organic Compounds - VOCs</b>																													
Acetone	mg/kg	110,000	110,000	NE	<0.30	<0.29	<0.30	<0.055	<0.060	<0.29	<0.063	<0.057	<0.060	<0.056	<0.060														
Benzene	mg/kg	130	1,200	0.246	<0.030	<0.029	<0.030	<0.0055	<0.0060	<0.029	<0.0063	<0.0057	<0.0060	<0.0056	<0.0060														
Bromobenzene	mg/kg	NE	NE	NE	<0.030	<0.029	<0.030	<0.0055	<0.0060	<0.029	<0.0063	<0.0057	<0.0060	<0.0056	<0.0060														
Bromochloromethane	mg/kg	300	33	NE	<0.030	<0.029	<0.030	<0.0055	<0.0060	<0.029	<0.0063	<0.0057	<0.0060	<0.0056	<0.0060														
Bromodichloromethane	mg/kg	33	300	NE	<0.030	<0.029	<0.030	<0.0055	<0.0060	<0.029	<0.0063	<0.0057	<0.0060	<0.0056	<0.0060														
Bromoform	mg/kg	910	910	NE	<0.030	<0.029	<0.030	<0.0055	<0.0060	<0.029	<0.0063	<0.0057	<0.0060	<0.0056	<0.0060														
Bromomethane	mg/kg	76	550	NE	<0.030	<0.029	<0.030	<0.0055	<0.0060	<0.029	<0.0063	<0.0057	<0.0060	<0.0056	<0.0060														
2-Butanone (MEK)	mg/kg	28,000	28,000	NE	<0.30	<0.29	<0.30	<0.055	<0.060	<0.29	<0.063	<0.057	<0.060	<0.056	<0.060														
n-Butylbenzene	mg/kg	178 <sup>6</sup>	178 <sup>8</sup>	NE	<0.030	0.55	0.11	<0.0055	<0.0060	<0.029	<0.0063	<0.0057	<0.0060	<0.0056	<0.0060														
tert-Butylbenzene	mg/kg	215 <sup>8</sup>	215 <sup>8</sup>	NE	<0.030	<0.029	<0.030	<0.0055	<0.0060	<0.029	<0.0063	<0.0057	<0.0060	<0.0056	<0.0060														
sec-Butylbenzene	mg/kg	764 <sup>8</sup>	764 <sup>8</sup>	NE	<0.030	0.22	0.043	<0.0055	<0.0060	<0.029	<0.0063	<0.0057	<0.0060	<0.0056	<0.0060														
Carbon Disulfide	mg/kg	740	740	NE	<0.030	<0.029	<0.030	<0.0055	<0.0060	<0.029	<0.0063	<0.0057	<0.0060	<0.0056	<0.0060														
Carbon tetrachloride	mg/kg	74	460	NE	<0.030	<0.029	<0.030	<0.0055	<0.0060	<0.029	<0.0063	<0.0057	<0.0060	<0.0056	<0.0060														
Chlorobenzene	mg/kg	760	760	NE	<0.030	<0.029	<0.030	<0.0055	<0.0060	<0.029	<0.0063	<0.0057	<0.0060	<0.0056	<0.0060														
Chlorodibromomethane	mg/kg	84	1,600	NE	<0.030	<0.029	<0.030	<0.0055	<0.0060	<0.029	<0.0063	<0.0057	<0.0060	<0.0056	<0.0060														
Chloroethane	mg/kg	2,100	2,200	NE	<0.030	<0.029	<0.030	<0.0055	<0.0060	<0.029	<0.0063	<0.0057	<0.0060	<0.0056	<0.0060														
Chloroform	mg/kg	35	320	NE	<0.030	<0.029	<0.030	<0.0055	<0.0060	<0.029	<0.0063	<0.0057	<0.0060	<0.0056	<0.0060														
Chloromethane	mg/kg	1,200	1,300	NE	<0.030	<0.029	<0.030	<0.0055	<0.0060	<0.029	<0.0063	<0.0057	<0.0060	<0.0056	<0.0060														
2-Chlorotoluene	mg/kg	NE	NE	NE	<0.030	<0.029	<0.030	<0.0055	<0.0060	<0.029	<0.0063	<0.0057	<0.0060	<0.0056	<0.0060														
4-Chlorotoluene	mg/kg	NE	NE	NE	<0.030	<0.029	<0.030	<0.0055	<0.0060	<0.029	<0.0063	<0.0057	<0.0060	<0.0056	<0.0060														
o-Chlorotoluene	mg/kg	NE	NE	NE	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT														

**Table 2**  
**Summary of VOCs in Soil**  
**Former Leake Oil**

Sample ID (Depth <sup>1</sup> )		VAP Standard			BUSTR <sup>5</sup>	MW-09 (6-8 FT)	MW-10 (6-8 FT)	MW-10 (8-10 FT)	MW-11 (0-2 FT)	MW-11 (8-10 FT)	SB-38 (4-6 FT)	SB-38 (6-8 FT)	SB-39 (4-6 FT)	SB-39 (6-8 FT)	SB-40 (0-2 FT)	SB-40 (4-6 FT)
Collection Date		GDCS Commercial & Industrial Land Use <sup>4</sup>	GDCS Construction & Excavation Activities <sup>3</sup>	Closure Action Levels	6/17/2024	6/18/2024	6/18/2024	6/18/2024	6/18/2024	6/17/2024	6/17/2024	6/17/2024	6/17/2024	6/17/2024	6/17/2024	6/17/2024
Parameter	Units <sup>2</sup>				Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
p-Chlorotoluene	mg/kg	NE	NE	NE	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
1,2-Dibromo-3-Chloropropane	mg/kg	1.6	15	NE	<0.030	<0.029	<0.030	<0.0055	<0.0060	<0.029	<0.0063	<0.0057	<0.0060	<0.0056	<0.0060	<0.0060
1,2-Dibromoethane	mg/kg	4.4	39	0.000982	<0.030	<0.029	<0.030	<0.0055	<0.0060	<0.029	<0.0063	<0.0057	<0.0060	<0.0056	<0.0060	<0.0060
Dibromomethane	mg/kg	250	870	NE	<0.030	<0.029	<0.030	<0.0055	<0.0060	<0.029	<0.0063	<0.0057	<0.0060	<0.0056	<0.0060	<0.0060
1,2-Dichlorobenzene	mg/kg	380	370	NE	<0.030	<0.029	<0.030	<0.0055	<0.0060	<0.029	<0.0063	<0.0057	<0.0060	<0.0056	<0.0060	<0.0060
1,3-Dichlorobenzene	mg/kg	NE	NE	NE	<0.030	<0.029	<0.030	<0.0055	<0.0060	<0.029	<0.0063	<0.0057	<0.0060	<0.0056	<0.0060	<0.0060
1,4-Dichlorobenzene	mg/kg	290	2,600	NE	<0.030	<0.029	<0.030	<0.0055	<0.0060	<0.029	<0.0063	<0.0057	<0.0060	<0.0056	<0.0060	<0.0060
Dichlorodifluoromethane	mg/kg	850	850	NE	<0.030	<0.029	<0.030	<0.0055	<0.0060	<0.029	<0.0063	<0.0057	<0.0060	<0.0056	<0.0060	<0.0060
1,1-Dichloroethane	mg/kg	390	1,700	NE	<0.030	<0.029	<0.030	<0.0055	<0.0060	<0.029	<0.0063	<0.0057	<0.0060	<0.0056	<0.0060	<0.0060
1,2-Dichloroethane	mg/kg	52	480	0.177	<0.030	<0.029	<0.030	<0.0055	<0.0060	<0.029	<0.0063	<0.0057	<0.0060	<0.0056	<0.0060	<0.0060
1,1-Dichloroethene	mg/kg	1,200	180	NE	<0.030	<0.029	<0.030	<0.0055	<0.0060	<0.029	<0.0063	<0.0057	<0.0060	<0.0056	<0.0060	<0.0060
cis-1,2-Dichloroethene	mg/kg	NE	2,200	NE	<0.030	<0.029	<0.030	<0.0055	<0.0060	<0.029	<0.0063	<0.0057	<0.0060	<0.0056	<0.0060	<0.0060
trans-1,2-Dichloroethene	mg/kg	1,700	78	NE	<0.030	<0.029	<0.030	<0.0055	<0.0060	<0.029	<0.0063	<0.0057	<0.0060	<0.0056	<0.0060	<0.0060
1,3-Dichloropropane	mg/kg	1,500	1,500	NE	<0.030	<0.029	<0.030	<0.0055	<0.0060	<0.029	<0.0063	<0.0057	<0.0060	<0.0056	<0.0060	<0.0060
2,2-Dichloropropane	mg/kg	NE	NE	NE	<0.030	<0.029	<0.030	<0.0055	<0.0060	<0.029	<0.0063	<0.0057	<0.0060	<0.0056	<0.0060	<0.0060
1,2-Dichloropropane	mg/kg	170	180	NE	<0.030	<0.029	<0.030	<0.0055	<0.0060	<0.029	<0.0063	<0.0057	<0.0060	<0.0056	<0.0060	<0.0060
1,1-Dichloropropene	mg/kg	NE	NE	NE	<0.030	<0.029	<0.030	<0.0055	<0.0060	<0.029	<0.0063	<0.0057	<0.0060	<0.0056	<0.0060	<0.0060
cis-1,3-Dichloropropene	mg/kg	NE	NE	NE	<0.030	<0.029	<0.030	<0.0055	<0.0060	<0.029	<0.0063	<0.0057	<0.0060	<0.0056	<0.0060	<0.0060
trans-1,3-Dichloropropene	mg/kg	NE	NE	NE	<0.030	<0.029	<0.030	<0.0055	<0.0060	<0.029	<0.0063	<0.0057	<0.0060	<0.0056	<0.0060	<0.0060
Ethylbenzene	mg/kg	480	480	84.5	0.1	5.8	0.53	<0.0055	<0.0060	<0.029	<0.0063	<0.0057	<0.0060	<0.0056	<0.0060	<0.0060
Freon 113	mg/kg	NE	NE	NE	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT

**Table 2**  
**Summary of VOCs in Soil**  
**Former Leake Oil**

448 E. Taggart Street, East Palestine, Ohio					IA-03										
Sample ID (Depth <sup>1</sup> )		VAP Standard		BUSTR <sup>5</sup>	MW-09 (6-8 FT)	MW-10 (6-8 FT)	MW-10 (8-10 FT)	MW-11 (0-2 FT)	MW-11 (8-10 FT)	SB-38 (4-6 FT)	SB-38 (6-8 FT)	SB-39 (4-6 FT)	SB-39 (6-8 FT)	SB-40 (0-2 FT)	SB-40 (4-6 FT)
Collection Date		GDCS Commercial & Industrial Land Use <sup>4</sup>	GDCS Construction & Excavation Activities <sup>3</sup>	Closure Action Levels	6/17/2024	6/18/2024	6/18/2024	6/18/2024	6/18/2024	6/17/2024	6/17/2024	6/17/2024	6/17/2024	6/17/2024	6/17/2024
Parameter	Units <sup>2</sup>				Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
2-Hexanone	mg/kg	NE	NE	NE	<0.030	<0.029	<0.030	<0.0055	<0.0060	<0.029	<0.0063	<0.0057	<0.0060	<0.0056	<0.0060
Hexachloro-1,3-butadiene	mg/kg	630	170	NE	<0.030	<0.029	<0.030	<0.0055	<0.0060	<0.029	<0.0063	<0.0057	<0.0060	<0.0056	<0.0060
n-Hexane	mg/kg	140	190	NE	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT

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448 E. Taggart Street, East Palestine, Ohio				IA-03											
Sample ID (Depth <sup>1</sup> )		VAP Standard		BUSTR <sup>5</sup>	MW-09 (6-8 FT)	MW-10 (6-8 FT)	MW-10 (8-10 FT)	MW-11 (0-2 FT)	MW-11 (8-10 FT)	SB-38 (4-6 FT)	SB-38 (6-8 FT)	SB-39 (4-6 FT)	SB-39 (6-8 FT)	SB-40 (0-2 FT)	SB-40 (4-6 FT)
Collection Date		GDSCS Commercial & Industrial Land Use <sup>4</sup>	GDSCS Construction & Excavation Activities <sup>3</sup>	Closure Action Levels	6/17/2024	6/18/2024	6/18/2024	6/18/2024	6/18/2024	6/17/2024	6/17/2024	6/17/2024	6/17/2024	6/17/2024	6/17/2024
Parameter	Units <sup>2</sup>				Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Isopropylbenzene	mg/kg	270	260	NE	<0.030	<b>0.65</b>	<b>0.09</b>	<0.0055	<0.0060	<0.029	<0.0063	<0.0057	<0.0060	<0.0056	<0.0060
p-Isopropyltoluene	mg/kg	573 <sup>8</sup>	573 <sup>8</sup>	NE	<0.030	<b>0.61</b>	<b>0.11</b>	<0.0055	<0.0060	<0.029	<0.0063	<0.0057	<0.0060	<0.0056	<0.0060
Methyl tert-butyl ether	mg/kg	5,400	8,900	2	<0.030	<0.029	<0.030	<0.0055	<0.0060	<0.029	<0.0063	<0.0057	<0.0060	<0.0056	<0.0060
4-Methyl-2-pentanone (MIBK)	mg/kg	3,400	3,400	NE	<0.030	<0.029	<0.030	<0.0055	<0.0060	<0.029	<0.0063	<0.0057	<0.0060	<0.0056	<0.0060
Methylene Chloride	mg/kg	3,300	3,300	NE	<0.12	<0.12	<0.12	<0.022	<0.024	<0.12	<0.025	<0.023	<0.024	<0.0056	<0.024
Naphthalene	mg/kg	420	560	<b>0.511</b>	<b>0.075</b>	<b>6.2</b>	<b>0.62</b>	<0.0055	<0.0060	<0.029	<0.0063	<0.0057	<0.0060	<0.0056	<0.0060
n-Propylbenzene	mg/kg	236 <sup>8</sup>	236 <sup>8</sup>	NE	<0.030	<b>4.8</b>	<b>0.32</b>	<0.0055	<0.0060	<0.029	<0.0063	<0.0057	<0.0060	<0.0056	<0.0060
Styrene	mg/kg	870	1,700	NE	<0.030	<b>0.09</b>	<0.030	<0.0055	<0.0060	<0.029	<0.0063	<0.0057	<0.0060	<0.0056	<0.0060
1,1,2,2-Tetrachloroethane	mg/kg	71	670	NE	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
1,1,1,2-Tetrachloroethane	mg/kg	230	680	NE	<0.030	<0.029	<0.030	<0.0055	<0.0060	<0.029	<0.0063	<0.0057	<0.0060	<0.0056	<0.0060
Tetrachloroethene	mg/kg	170	220	NE	<0.030	<0.029	<0.030	<0.0055	<0.0060	<0.029	<0.0063	<0.0057	<0.0060	<0.0056	<0.0060
Toluene	mg/kg	<b>820</b>	<b>820</b>	<b>70.7</b>	<0.030	<b>0.11</b>	<0.030	<0.0055	<0.0060	<0.029	<0.0063	<0.0057	<0.0060	<0.0056	<0.0060
Xylenes, Total	mg/kg	260	260	42.7	<b>0.25</b>	<b>28</b>	<b>2.3</b>	<0.017	<0.018	<0.087	<0.019	<0.017	<0.018	<0.017	<0.018
1,2,3-Trichlorobenzene	mg/kg	NE	NE	NE	<0.030	<0.029	<0.030	<0.0055	<0.0060	<0.029	<0.0063	<0.0057	<0.0060	<0.0056	<0.0060
1,2,4-Trichlorobenzene	mg/kg	400	NE	NE	<0.030	<0.029	<0.030	<0.0055	<0.0060	<0.029	<0.0063	<0.0057	<0.0060	<0.0056	<0.0060
1,1,1-Trichloroethane	mg/kg	640	1,300	NE	<0.030	<0.029	<0.030	<0.0055	<0.0060	<0.029	<0.0063	<0.0057	<0.0060	<0.0056	<0.0060
1,1,2-Trichloroethane	mg/kg	130	210	NE	<0.030	<0.029	<0.030	<0.0055	<0.0060	<0.029	<0.0063	<0.0057	<0.0060	<0.0056	<0.0060
Trichloroethene	mg/kg	51	560	NE	<0.030	<0.029	<0.030	<0.0055	<0.0060	<0.029	<0.0063	<0.0057	<0.0060	<0.0056	<0.0060
Trichlorofluoromethane	mg/kg	1,200	1,600	NE	<0.030	<0.029	<0.030	<0.0055	<0.0060	<0.029	<0.0063	<0.0057	<0.0060	<0.0056	<0.0060
1,2,3-Trichloropropane	mg/kg	4.4	19	NE	<0.030	<0.029	<0.030	<0.0055	<0.0060	<0.029	<0.0063	<0.0057	<0.0060	<0.0056	<0.0060
1,2,4-Trimethylbenzene	mg/kg	220	220	2.37	<b>0.16</b>	<b>29</b>	<b>14</b>	<0.0055	<0.0060	<0.029	<0.0063	<0.0057	<0.0060	<0.0056	<0.0060

**Table 2**  
**Summary of VOCs in Soil**  
**Former Leake Oil**

448 E. Taggart Street, East Palestine, Ohio					IA-03										
Sample ID (Depth <sup>1</sup> )		VAP Standard		BUSTR <sup>5</sup>	MW-09 (6-8 FT)	MW-10 (6-8 FT)	MW-10 (8-10 FT)	MW-11 (0-2 FT)	MW-11 (8-10 FT)	SB-38 (4-6 FT)	SB-38 (6-8 FT)	SB-39 (4-6 FT)	SB-39 (6-8 FT)	SB-40 (0-2 FT)	SB-40 (4-6 FT)
Collection Date		GDGS Commercial & Industrial Land Use <sup>4</sup>	GDGS Construction & Excavation Activities <sup>3</sup>	Closure Action Levels	6/17/2024	6/18/2024	6/18/2024	6/18/2024	6/18/2024	6/17/2024	6/17/2024	6/17/2024	6/17/2024	6/17/2024	6/17/2024
Parameter	Units <sup>2</sup>				Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
1,3,5-Trimethylbenzene	mg/kg	180	180	NE	<b>0.064</b>	<b>12</b>	<b>0.76</b>	<0.0055	<0.0060	<0.029	<0.0063	<0.0057	<0.0060	<0.0056	<0.0060
Vinyl chloride	mg/kg	49	280	NE	<0.030	<0.029	<0.030	<0.0055	<0.0060	<0.029	<0.0063	<0.0057	<0.0060	<0.0056	<0.0060
o-Xylenes	mg/kg	260	260	42.7	<0.030	<b>0.58</b>	<b>0.047</b>	<0.0055	<0.0060	<0.029	<0.0063	<0.0057	<0.0060	<0.0056	<0.0060
m&p-Xylenes	mg/kg	260	260	42.7	<b>0.25</b>	<b>28</b>	<b>2.3</b>	<0.011	<0.012	<0.058	<0.013	<0.011	<0.012	<0.011	<0.012

**Notes**

- 1. FT - Feet below grade
- 2. mg/kg = Milligrams per kilogram - parts per million (ppm)
- 3. Ohio EPA Voluntary Action Program (VAP) Generic Direct Contact Standard (GDGS) for Commercial/Industrial Land Use
- 4. Ohio EPA Voluntary Action Program (VAP) Generic Direct Contact Standard (GDGS) for Construction and Excavation Activities
- 5. BUSTR Action Levels defined in OAC 1301: 7-9-13, as required by OAC 3745-300-08(B)(3), Sand and Gravel, Unknown
- 7. NE: Not Established (No Regulatory Limits Under the VAP Have Been Established for the Specific Compound).
- 8. Standards from the Ohio EPA Voluntary Action Program Chemical Information Database and Applicable Regulatory Standards
- 10. J = Analyte is present at an estimated concentration between the Method Detection Limit and Report Limit.  
 U = Analyte is below laboratory reporting limits.  
 NT = Sample not tested for the analytical method. Samples were sent to two labs with different reporting processes.  
**Bold** numbers indicate a concentration above laboratory detection limits.  
**Bold and shaded** numbers indicate a detected concentration above a comparison standard.

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**Table 2**  
**Summary of VOCs in Soil**  
**Former Leake Oil**

448 E. Taggart Street, East Palestine, Ohio														IA-	
Sample ID (Depth <sup>1</sup> )		VAP Standard		BUSTR <sup>5</sup>	DUP-24	SB-23 (4-6 FT)	SB-23 (8-10)	SB-24 (4-6 FT)	SB-24 (6-8 FT)	SB-25 (4-6 FT)	SB-25 (6-8 FT)	SB-26 (4-6 FT)	SB-26 (8-10 FT)	DUP6724 (SB-26 8-10 FT)	SB-27 (4-6 FT)
Parameter	Units <sup>2</sup>	GDCS Commercial & Industrial Land Use <sup>4</sup>	GDCS Construction & Excavation Activities <sup>3</sup>	Closure Action Levels	6/17/2024	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/5/2024
					Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
<b>Volatile Organic Compounds - VOCs</b>															
Acetone	mg/kg	110,000	110,000	NE	<0.062	0.21 U	<b>0.0091J</b>	<b>0.12</b>	<b>0.051</b>	<b>0.036</b>	<b>0.053</b>	<b>0.063</b>	<b>0.021</b>	<b>0.019</b>	<b>0.085</b>
Benzene	mg/kg	130	1,200	0.246	<0.0062	0.015 U	0.00064 U	0.00060 U	0.00055 U	0.00062 U	0.00069 U	0.00057 U	0.00062 U	0.00056 U	<b>0.00070J</b>
Bromobenzene	mg/kg	NE	NE	NE	<0.0062	0.021 U	0.00064 U	0.00060 U	0.00055 U	0.00062 U	0.00069 U	0.00057 U	0.00062 U	0.00056 U	0.00064U
Bromochloromethane	mg/kg	300	33	NE	<0.0062	0.021 U	0.00064 U	0.00060 U	0.00055 U	0.00062 U	0.00069U	0.00057 U	0.00062 U	0.00056 U	0.00064U
Bromodichloromethane	mg/kg	33	300	NE	<0.0062	0.018 U	0.00091 U	0.00085 U	0.00078 U	0.00088 U	0.00098U	0.00081 U	0.00088 U	0.00079 U	0.00091U
Bromoform	mg/kg	910	910	NE	<0.0062	0.027 U	0.00067 U	0.00063 U	0.00057 U	0.00065 U	0.00072U	0.00059 U	0.00064 U	0.00058 U	0.00066U
Bromomethane	mg/kg	76	550	NE	<0.0062	0.026 U	0.00067 U	0.00063 U	0.00057 U	0.00065 U	0.00072U	0.00059 U	0.00064 U	0.00058 U	0.00066U
2-Butanone (MEK)	mg/kg	28,000	28,000	NE	<0.062	0.12 U	0.0041 U	<b>0.0089J</b>	<b>0.0073J</b>	0.0040 U	<b>0.0058J</b>	0.0036 U	0.0040 U	0.0036 U	<b>0.013</b>
n-Butylbenzene	mg/kg	178 <sup>6</sup>	178 <sup>8</sup>	NE	<0.0062	<b>0.3</b>	0.00064 U	0.00060 U	0.00055 U	0.00062 U	0.00069U	0.00057 U	0.00062 U	0.00056 U	0.00064U
tert-Butylbenzene	mg/kg	215 <sup>8</sup>	215 <sup>8</sup>	NE	<0.0062	0.029 U	0.00070 U	0.00066 U	0.00060 U	0.00068 U	0.00076U	<b>0.0011J</b>	0.00068 U	0.00062 U	0.00070U
sec-Butylbenzene	mg/kg	764 <sup>8</sup>	764 <sup>8</sup>	NE	<0.0062	<b>0.17</b>	0.00064 U	0.00060 U	<b>0.0011J</b>	0.00062 U	0.00069U	<b>0.0066</b>	0.00062 U	0.00056 U	<b>0.00087J</b>
Carbon Disulfide	mg/kg	740	740	NE	<0.0062	0.015 U	0.00081 U	0.00076 U	0.00069 U	0.00078 U	<b>0.0014J</b>	0.00072 U	0.00078 U	<b>0.0012J</b>	0.00080U
Carbon tetrachloride	mg/kg	74	460	NE	<0.0062	0.021 U	0.00065 U	0.00061 U	0.00056 U	0.00063 U	0.00070U	0.00058 U	0.00063 U	0.00057 U	0.00065U
Chlorobenzene	mg/kg	760	760	NE	<0.0062	0.013 U	0.00065 U	0.00061 U	0.00056 U	0.00063 U	0.00070U	0.00058 U	0.00063 U	0.00057 U	0.00065U
Chlorodibromomethane	mg/kg	84	1,600	NE	<0.0062	0.030 U	0.00087 U	0.00082 U	0.00075 U	0.00084 U	0.00094U	0.00077 U	0.00084 U	0.00076 U	0.00087U
Chloroethane	mg/kg	2,100	2,200	NE	<0.0062	0.022 U	0.0011 U	0.0010 U	0.00093 U	0.0011 U	0.0012U	0.00097 U	0.0011 U	0.00095 U	0.0011U
Chloroform	mg/kg	35	320	NE	<0.0062	0.014 U	0.00068 U	0.00064 U	0.00058 U	0.00066 U	0.00073U	0.00060 U	0.00066 U	0.00059 U	0.00068U
Chloromethane	mg/kg	1,200	1,300	NE	<0.0062	0.021 U	0.00070 U	0.00066 U	0.00060 U	0.00068 U	0.00076U	0.00063 U	0.00068 U	0.00062 U	0.00070U
2-Chlorotoluene	mg/kg	NE	NE	NE	<0.0062	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
4-Chlorotoluene	mg/kg	NE	NE	NE	<0.0062	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
o-Chlorotoluene	mg/kg	NE	NE	NE	NT	0.017 U	0.00064 U	0.00060 U	0.00055 U	0.00031 U	0.00069U	0.00057 U	0.00062 U	0.00056 U	0.00064U

**Table 2**  
**Summary of VOCs in Soil**  
**Former Leake Oil**

448 E. Taggart Street, East Palestine, Ohio														IA-	
Sample ID (Depth <sup>1</sup> )		VAP Standard		BUSTR <sup>5</sup>	DUP-24	SB-23 (4-6 FT)	SB-23 (8-10)	SB-24 (4-6 FT)	SB-24 (6-8 FT)	SB-25 (4-6 FT)	SB-25 (6-8 FT)	SB-26 ( 4-6 FT)	SB-26 (8-10 FT)	DUP6724 (SB-26 8-10 FT)	SB-27 (4-6 FT)
Collection Date		GDSC Commercial & Industrial Land Use <sup>4</sup>	GDSC Construction & Excavation Activities <sup>3</sup>	Closure Action Levels	6/17/2024	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/5/2024
Parameter	Units <sup>2</sup>				Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
p-Chlorotoluene	mg/kg	NE	NE	NE	NT	0.022 U	0.00064 U	0.00060 U	0.00055 U	0.00067 U	0.00069U	0.00057 U	0.00062 U	0.00056 U	0.00064U
1,2-Dibromo-3-Chloropropane	mg/kg	1.6	15	NE	<0.0062	0.099 U	0.00032 U	0.00030 U	0.00027 U	0.00089 U	0.00034U	0.00028 U	0.00031 U	0.00028 U	0.00032U
1,2-Dibromoethane	mg/kg	4.4	39	0.000982	<0.0062	0.019 U	0.00069 U	0.00065 U	0.00059 U	0.00062 U	0.00074U	0.00061 U	0.00067 U	0.00060 U	0.00069U
Dibromomethane	mg/kg	250	870	NE	<0.0062	0.021 U	0.00092 U	0.00087 U	0.00079 U	0.00062 U	0.00099U	0.00082 U	0.00089 U	0.00081 U	0.00092U
1,2-Dichlorobenzene	mg/kg	380	370	NE	<0.0062	0.025 U	0.00064 U	0.00060 U	0.00055 U	0.00062 U	0.00069U	0.00057 U	0.00062 U	0.00056 U	0.00064U
1,3-Dichlorobenzene	mg/kg	NE	NE	NE	<0.0062	0.017 U	0.00064 U	0.00060 U	0.00055 U	0.00062 U	0.00069U	0.00057 U	0.00062 U	0.00056 U	0.00064U
1,4-Dichlorobenzene	mg/kg	290	2,600	NE	<0.0062	0.018 U	0.00064 U	0.00060 U	0.00055 U	0.00062 U	0.00069U	0.00057 U	0.00062 U	0.00056 U	0.00064U
Dichlorodifluoromethane	mg/kg	850	850	NE	<0.0062	0.022 U	0.00086 U	0.00081 U	0.00074 U	0.00083 U	0.00092U	0.00076 U	0.00083 U	0.00075 U	0.00086U
1,1-Dichloroethane	mg/kg	390	1,700	NE	<0.0062	0.019 U	0.00064 U	0.00060 U	0.00055 U	0.00062 U	0.00069U	0.00057 U	0.00062 U	0.00056 U	0.00064U
1,2-Dichloroethane	mg/kg	52	480	0.177	<0.0062	0.021 U	0.00064 U	0.00060 U	0.00055 U	0.00062 U	0.00069U	0.00057 U	0.00062 U	0.00056 U	0.00064U
1,1-Dichloroethene	mg/kg	1,200	180	NE	<0.0062	0.019 U	0.00067 U	0.00063 U	0.00057 U	0.00065 U	0.00072U	0.00059 U	0.00064 U	0.00058 U	0.00066U
cis-1,2-Dichloroethene	mg/kg	NE	2,200	NE	<0.0062	0.021 U	0.00064 U	0.00060 U	0.00055 U	0.0010 U	0.00069U	0.00057 U	0.00062 U	0.00056 U	0.00064U
trans-1,2-Dichloroethene	mg/kg	1,700	78	NE	<0.0062	0.017 U	0.00067 U	0.00063 U	0.00057 U	0.00062 U	0.00072U	0.00059 U	0.00064 U	0.00058 U	0.00066U
1,3-Dichloropropane	mg/kg	1,500	1,500	NE	<0.0062	0.018 U	0.0011 U	0.0010 U	0.00091 U	0.00075 U	0.0011U	0.00094 U	0.0010 U	0.00093 U	0.0011U
2,2-Dichloropropane	mg/kg	NE	NE	NE	<0.0062	0.021 U	0.00064 U	0.00060 U	0.00055 U	0.00062 U	0.00069U	0.00057 U	0.00062 U	0.00056 U	0.00064U
1,2-Dichloropropane	mg/kg	170	180	NE	<0.0062	0.016 U	0.00077 U	0.00072 U	0.00066 U	0.00075 U	0.00083U	0.00068 U	0.00074 U	0.00067 U	0.00077U
1,1-Dichloropropene	mg/kg	NE	NE	NE	<0.0062	0.018 U	0.00064 U	0.00060 U	0.00055 U	0.00062 U	0.00069U	0.00057 U	0.00062 U	0.00056 U	0.00064U
cis-1,3-Dichloropropene	mg/kg	NE	NE	NE	<0.0062	0.021 U	0.00070 U	0.00066 U	0.00060 U	0.00068 U	0.00076U	0.00063 U	0.00068 U	0.00062 U	0.00070U
trans-1,3-Dichloropropene	mg/kg	NE	NE	NE	<0.0062	0.019 U	0.00074 U	0.00070 U	0.00064 U	0.00072 U	0.00080U	0.00066 U	0.00072 U	0.00065 U	0.00074U
Ethylbenzene	mg/kg	480	480	84.5	<0.0062	0.023 U	0.00087 U	0.00082 U	0.00075 U	0.00084 U	0.00094U	0.00077 U	0.00084 U	0.00076 U	0.00087U
Freon 113	mg/kg	NE	NE	NE	NT	0.017 U	0.00064 U	0.00060 U	0.00055 U	0.0062 U	0.00069U	0.00057 U	0.00062 U	0.00056 U	0.00064U



**Table 2**  
**Summary of VOCs in Soil**  
**Former Leake Oil**

448 E. Taggart Street, East Palestine, Ohio														IA-	
Sample ID (Depth <sup>1</sup> )		VAP Standard		BUSTR <sup>5</sup>	DUP-24	SB-23 (4-6 FT)	SB-23 (8-10)	SB-24 (4-6 FT)	SB-24 (6-8 FT)	SB-25 (4-6 FT)	SB-25 (6-8 FT)	SB-26 ( 4-6 FT)	SB-26 (8-10 FT)	DUP6724 (SB-26 8-10 FT)	SB-27 (4-6 FT)
Parameter	Units <sup>2</sup>	GDCS Commercial & Industrial Land Use <sup>4</sup>	GDCS Construction & Excavation Activities <sup>3</sup>	Closure Action Levels	6/17/2024	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/5/2024
					Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
2-Hexanone	mg/kg	NE	NE	NE	<0.0062	0.086 U	0.0036 U	0.0034 U	0.0031 U	0.0035 U	0.0039U	0.0032 U	0.0035 U	0.0031 U	0.0036U
Hexachloro-1,3-butadiene	mg/kg	630	170	NE	<0.0062	0.066 U	0.00064 U	0.00060 U	0.00055 U	0.00062 U	0.00069 U	0.00057 U	0.00062 U	0.00056 U	0.00064U
n-Hexane	mg/kg	140	190	NE	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT

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**Summary of VOCs in Soil**  
**Former Leake Oil**

448 E. Taggart Street, East Palestine, Ohio														IA-	
Sample ID (Depth <sup>1</sup> )		VAP Standard		BUSTR <sup>5</sup>	DUP-24	SB-23 (4-6 FT)	SB-23 (8-10)	SB-24 (4-6 FT)	SB-24 (6-8 FT)	SB-25 (4-6 FT)	SB-25 (6-8 FT)	SB-26 ( 4-6 FT)	SB-26 (8-10 FT)	DUP6724 (SB-26 8-10 FT)	SB-27 (4-6 FT)
Collection Date		GDCS Commercial & Industrial Land Use <sup>4</sup>	GDCS Construction & Excavation Activities <sup>3</sup>	Closure Action Levels	6/17/2024	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/5/2024
Parameter	Units <sup>2</sup>				Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Isopropylbenzene	mg/kg	270	260	NE	<0.0062	<b>0.047J</b>	0.00078 U	0.00073 U	0.00067 U	0.00076 U	0.00084U	0.00069 U	0.00076 U	0.00068 U	0.00078U
p-Isopropyltoluene	mg/kg	573 <sup>8</sup>	573 <sup>8</sup>	NE	<0.0062	0.021 U	0.00064 U	0.00060 U	0.00055 U	0.00062 U	0.00069U	0.00057 U	0.00062 U	0.00056 U	0.00064U
Methyl tert-butyl ether	mg/kg	5,400	8,900	2	<0.0062	0.022 U	0.00064 U	0.00060 U	0.00055 U	0.00062 U	0.00069U	0.00057 U	0.00062 U	0.00056 U	0.00064U
4-Methyl-2-pentanone (MIBK)	mg/kg	3,400	3,400	NE	<0.0062	0.099 U	0.0049 U	0.0046 U	0.0042 U	0.0047U	0.0052U	0.0043 U	0.0047 U	0.0043 U	0.0049U
Methylene Chloride	mg/kg	3,300	3,300	NE	<0.025	0.030 U	0.0010 U	<b>0.0032</b>	<b>0.0018J</b>	<b>0.0017J</b>	<b>0.0039</b>	<b>0.0018J</b>	<b>0.0010J</b>	<b>0.0034</b>	<b>0.0013J</b>
Naphthalene	mg/kg	420	560	0.511	<0.0062	<b>0.23</b>	0.00064 U	0.00060 U	0.00055 U	0.00062U	0.00069U	0.00057 U	0.00062 U	0.00056 U	0.00064U
n-Propylbenzene	mg/kg	236 <sup>8</sup>	236 <sup>8</sup>	NE	<0.0062	<b>0.14</b>	0.00064 U	0.00060 U	0.00055 U	0.00062U	0.00069U	0.00057 U	0.00062 U	0.00056 U	0.00064U
Styrene	mg/kg	870	1,700	NE	<0.0062	0.016 U	0.00064 U	0.00060 U	0.00055 U	0.00062U	0.00069U	0.00057 U	0.00062 U	0.00056 U	0.00064U
1,1,2,2-Tetrachloroethane	mg/kg	71	670	NE	NT	0.023 U	0.00072 U	0.00067 U	0.00062 U	0.00070U	0.00077U	0.00064 U	0.00069 U	0.00063 U	0.00072U
1,1,1,2-Tetrachloroethane	mg/kg	230	680	NE	<0.0062	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Tetrachloroethene	mg/kg	170	220	NE	<0.0062	0.023 U	0.00077 U	0.00072 U	0.00066 U	0.00075U	0.00083U	0.00068 U	0.00074 U	0.00067 U	0.00077U
Toluene	mg/kg	820	820	70.7	<0.0062	0.015 U	0.00086 U	0.00081 U	0.00074 U	0.00083U	0.00092U	0.00076 U	0.00083 U	0.00075 U	0.00086U
Xylenes, Total	mg/kg	260	260	42.7	<0.019	0.044 U	0.0018 U	0.0017 U	0.0015 U	0.0017U	0.0019U	0.0016 U	0.0017 U	0.0016 U	0.0018U
1,2,3-Trichlorobenzene	mg/kg	NE	NE	NE	<0.0062	0.062 U	0.00064 U	0.00060 U	0.00055 U	0.00062U	0.00069U	0.00057 U	0.00062 U	0.00056 U	0.00064U
1,2,4-Trichlorobenzene	mg/kg	400	NE	NE	<0.0062	0.054 U	0.00064 U	0.00060 U	0.00055 U	0.00062U	0.00069U	0.00057 U	0.00062 U	0.00056 U	0.00064U
1,1,1-Trichloroethane	mg/kg	640	1,300	NE	<0.0062	0.015 U	0.00079 U	0.00075 U	0.00068 U	0.00077U	0.00085U	0.00070 U	0.00077 U	0.00069 U	0.00079U
1,1,2-Trichloroethane	mg/kg	130	210	NE	<0.0062	0.022 U	0.00072 U	0.00067 U	0.00062 U	0.00070U	0.00077U	0.00064 U	0.00069 U	0.00063 U	0.00072U
Trichloroethene	mg/kg	51	560	NE	<0.0062	0.022 U	0.00064 U	0.00060 U	0.00055 U	0.00062U	0.00069U	0.00057 U	0.00062 U	0.00056 U	0.00064U
Trichlorofluoromethane	mg/kg	1,200	1,600	NE	<0.0062	0.016 U	0.00064 U	0.00060 U	0.00055 U	0.00062U	0.00069U	0.00057 U	0.00062 U	0.00056 U	0.00064U
1,2,3-Trichloropropane	mg/kg	4.4	19	NE	<0.0062	0.040 U	0.00064 U	0.00060 U	0.00055 U	0.00062U	0.00069U	0.00057 U	0.00062 U	0.00056 U	0.00064U
1,2,4-Trimethylbenzene	mg/kg	220	220	2.37	<0.0062	0.017 U	0.00064 U	0.00060 U	0.00055 U	0.00062U	<b>0.00070J</b>	0.00057 U	0.00062 U	0.00056 U	0.00064U

**Table 2**  
**Summary of VOCs in Soil**  
**Former Leake Oil**

448 E. Taggart Street, East Palestine, Ohio														IA-	
Sample ID (Depth <sup>1</sup> )		VAP Standard		BUSTR <sup>5</sup>	DUP-24	SB-23 (4-6 FT)	SB-23 (8-10)	SB-24 (4-6 FT)	SB-24 (6-8 FT)	SB-25 (4-6 FT)	SB-25 (6-8 FT)	SB-26 ( 4-6 FT)	SB-26 (8-10 FT)	DUP6724 (SB-26 8-10 FT)	SB-27 (4-6 FT)
Collection Date		GDGS Commercial & Industrial Land Use <sup>4</sup>	GDGS Construction & Excavation Activities <sup>3</sup>	Closure Action Levels	6/17/2024	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/5/2024
Parameter	Units <sup>2</sup>				Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
1,3,5-Trimethylbenzene	mg/kg	180	180	NE	<0.0062	0.013 U	0.00064 U	0.00060 U	0.00055 U	0.00062U	0.00069U	0.00057 U	0.00062 U	0.00056 U	0.00064U
Vinyl chloride	mg/kg	49	280	NE	<0.0062	0.020 U	0.00064 U	0.00060 U	0.00055 U	0.00062U	0.00069U	0.00057 U	0.00062 U	0.00056 U	0.00064U
o-Xylenes	mg/kg	260	260	42.7	<0.0062	0.022 U	0.00074 U	0.00070 U	0.00064 U	0.00072U	0.00080U	0.00066 U	0.00072 U	0.00065 U	0.00074U
m&p-Xylenes	mg/kg	260	260	42.7	<0.012	<b>0.036J</b>	0.0011 U	0.0010 U	0.00091 U	0.0010U	0.0011U	0.00094 U	0.0010 U	0.00093 U	0.0011U

**Notes**

1. FT - Feet below grade
  2. mg/kg = Milligrams per kilogram - parts per million (ppm)
  3. Ohio EPA Voluntary Action Program (VAP) Generic Direct Contact Standard (GDGS) for Commercial/Industrial Land Use
  4. Ohio EPA Voluntary Action Program (VAP) Generic Direct Contact Standard (GDGS) for Construction and Excavation Activities
  5. BUSTR Action Levels defined in OAC 1301: 7-9-13, as required by OAC 3745-300-08(B)(3), Sand and Gravel, Unknown
  7. NE: Not Established (No Regulatory Limits Under the VAP Have Been Established for the Specific Compound).
  8. Standards from the Ohio EPA Voluntary Action Program Chemical Information Database and Applicable Regulatory Standards
  10. J = Analyte is present at an estimated concentration between the Method Detection Limit and Report Limit.
- U = Analyte is below laboratory reporting limits.
- NT = Sample not tested for the analytical method. Samples were sent to two labs with different reporting processes.
- Bold** numbers indicate a concentration above laboratory detection limits.
- Bold and shaded** numbers indicate a detected concentration above a comparison standard.

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**Table 2**  
**Summary of VOCs in Soil**  
**Former Leake Oil**

448 E. Taggart Street, East Palestine, Ohio														04
Sample ID (Depth <sup>1</sup> )		VAP Standard		BUSTR <sup>5</sup>	SB-27 (6-8 FT)	SB-28 (4-6 FT)	SB-28 (6-8 FT)	SB-29 (2-4 FT)	SB-29 (4-6 FT)	SB-30 (4-6 FT)	SB-30 (6-8 FT)	SB-31 (2-4 FT)	SB-31 (6-8 FT)	DUP 6724 (SB-31 (6-8))
Collection Date		GDCS Commercial & Industrial Land Use <sup>4</sup>	GDCS Construction & Excavation Activities <sup>3</sup>	Closure Action Levels	6/5/2024	6/5/2024	6/5/2024	6/7/2024	6/7/2024	6/7/2024	6/7/2024	6/7/2024	6/7/2024	6/7/2024
Parameter	Units <sup>2</sup>				Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
<b>Volatile Organic Compounds - VOCs</b>														
Acetone	mg/kg	110,000	110,000	NE	<b>0.090</b>	1.9U	2.1U	<b>0.0070J</b>	<b>0.075</b>	<b>0.048</b>	<b>0.047</b>	<b>0.080</b>	0.21U	<b>0.094</b>
Benzene	mg/kg	130	1,200	<b>0.246</b>	<b>0.00079J</b>	0.14U	0.15U	0.00065U	0.00062U	0.00072U	0.00057U	<b>0.0010J</b>	0.015U	0.00054U
Bromobenzene	mg/kg	NE	NE	NE	0.00059U	0.19U	0.21U	0.00065U	0.00062U	0.00072U	0.00057U	0.00061U	0.021U	0.00054U
Bromochloromethane	mg/kg	300	33	NE	0.00059U	0.19U	0.21U	0.00065U	0.00062U	0.00072U	0.00057U	0.00061U	0.021U	0.00054U
Bromodichloromethane	mg/kg	33	300	NE	0.00084U	0.16U	0.18U	0.00093U	0.00088U	0.0010U	0.00082U	0.00087U	0.018U	0.00076U
Bromoform	mg/kg	910	910	NE	0.00062U	0.24U	0.27U	0.00068U	0.00064U	0.00075U	0.00060U	0.00064U	0.027U	0.00056U
Bromomethane	mg/kg	76	550	NE	0.00062U	0.24U	0.26U	0.00068U	0.00064U	0.00075U	0.00060U	0.00064U	0.026U	0.00056U
2-Butanone (MEK)	mg/kg	28,000	28,000	NE	<b>0.013</b>	1.1U	1.2U	0.0042U	<b>0.0081J</b>	<b>0.0070J</b>	<b>0.0067J</b>	<b>0.015</b>	0.12U	<b>0.014</b>
n-Butylbenzene	mg/kg	178 <sup>6</sup>	178 <sup>8</sup>	NE	0.00059U	<b>5.0</b>	<b>2.6</b>	0.00065U	0.00062U	0.00072U	0.00057U	<b>0.0089</b>	0.040U	<b>0.0020J</b>
tert-Butylbenzene	mg/kg	215 <sup>8</sup>	215 <sup>8</sup>	NE	0.00065U	0.27U	0.29U	0.00072U	0.00068U	0.00080U	0.00063U	0.00067U	0.029U	0.00059U
sec-Butylbenzene	mg/kg	764 <sup>8</sup>	764 <sup>8</sup>	NE	<b>0.00096J</b>	<b>2.2</b>	<b>1.2</b>	0.00065U	0.00062U	0.00072U	<b>0.0022J</b>	<b>0.0064</b>	0.021U	0.0026
Carbon Disulfide	mg/kg	740	740	NE	0.00075U	0.14U	0.15U	0.00082U	<b>0.0028</b>	0.00091U	0.00072U	<b>0.0030</b>	0.015U	0.00068U
Carbon tetrachloride	mg/kg	74	460	NE	0.00060U	0.19U	0.21U	0.00067U	0.00063U	0.00074U	0.00059U	0.00063U	0.021U	0.00055U
Chlorobenzene	mg/kg	760	760	NE	0.00060U	0.12U	0.13U	0.00067U	0.00063U	0.00074U	0.00059U	0.00063U	0.013U	0.00055U
Chlorodibromomethane	mg/kg	84	1,600	NE	0.00081U	0.27U	0.30U	0.00089U	0.00084U	0.00098U	0.00078U	0.00083U	0.030U	0.00073U
Chloroethane	mg/kg	2,100	2,200	NE	0.0010U	0.20U	0.22U	0.0011U	0.0010U	0.0012U	0.00098U	0.0010U	0.022U	0.00091U
Chloroform	mg/kg	35	320	NE	0.00063U	0.13U	0.14U	0.00069U	0.00065U	0.00077U	0.00061U	0.00065U	<b>0.022J</b>	0.00057U
Chloromethane	mg/kg	1,200	1,300	NE	0.00065U	0.19U	0.21U	0.00072U	0.00068U	0.00080U	0.00063U	0.00067U	0.021U	0.00059U
2-Chlorotoluene	mg/kg	NE	NE	NE	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
4-Chlorotoluene	mg/kg	NE	NE	NE	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
o-Chlorotoluene	mg/kg	NE	NE	NE	0.00059U	0.16U	0.17U	0.00065U	0.00062U	0.00072U	0.00057U	0.00061U	0.017U	0.00054U

**Table 2**  
**Summary of VOCs in Soil**  
**Former Leake Oil**

448 E. Taggart Street, East Palestine, Ohio														04
Sample ID (Depth <sup>1</sup> )		VAP Standard		BUSTR <sup>5</sup>	SB-27 (6-8 FT)	SB-28 (4-6 FT)	SB-28 (6-8 FT)	SB-29 (2-4 FT)	SB-29 (4-6 FT)	SB-30 (4-6 FT)	SB-30 (6-8 FT)	SB-31 (2-4 FT)	SB-31 (6-8 FT)	DUP 6724 (SB-31 (6-8))
Collection Date		GDCS Commercial & Industrial Land Use <sup>4</sup>	GDCS Construction & Excavation Activities <sup>3</sup>	Closure Action Levels	6/5/2024	6/5/2024	6/5/2024	6/7/2024	6/7/2024	6/7/2024	6/7/2024	6/7/2024	6/7/2024	6/7/2024
Parameter	Units <sup>2</sup>				Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
p-Chlorotoluene	mg/kg	NE	NE	NE	0.00059U	0.20U	0.22U	0.00065U	0.00062U	0.00072U	0.00057U	0.00061U	0.022U	0.00054U
1,2-Dibromo-3-Chloropropane	mg/kg	1.6	15	NE	0.00030U	0.91U	1.0U	0.00033U	0.00031U	0.00036U	0.00029U	0.00031U	0.099U	0.00027U
1,2-Dibromoethane	mg/kg	4.4	39	0.000982	0.00064U	0.17U	0.19U	0.00071U	0.00067U	0.00078U	0.00062U	0.00066U	0.019U	0.00058U
Dibromomethane	mg/kg	250	870	NE	0.00085U	0.19U	0.21U	0.00094U	0.00089U	0.0010U	0.00083U	0.00088U	0.021U	0.00077U
1,2-Dichlorobenzene	mg/kg	380	370	NE	0.00059U	0.23U	0.25U	0.00065U	0.00062U	0.00072U	0.00057U	0.00061U	0.025U	0.00054U
1,3-Dichlorobenzene	mg/kg	NE	NE	NE	0.00059U	0.15U	0.17U	0.00065U	0.00062U	0.00072U	0.00057U	0.00061U	0.017U	0.00054U
1,4-Dichlorobenzene	mg/kg	290	2,600	NE	0.00059U	0.16U	0.18U	0.00065U	0.00062U	0.00072U	0.00057U	0.00061U	0.018U	0.00054U
Dichlorodifluoromethane	mg/kg	850	850	NE	0.00079U	0.20U	0.22U	0.00088U	0.00083U	0.00097U	0.00077U	0.00082U	0.022U	0.00072U
1,1-Dichloroethane	mg/kg	390	1,700	NE	0.00059U	0.17U	0.19U	0.00065U	0.00062U	0.00072U	0.00057U	0.00061U	0.019U	0.00054U
1,2-Dichloroethane	mg/kg	52	480	0.177	0.00059U	0.19U	0.21U	0.00065U	0.00062U	0.00072U	0.00057U	0.00061U	0.021U	0.00054U
1,1-Dichloroethene	mg/kg	1,200	180	NE	0.00062U	0.18U	0.19U	0.00068U	0.00064U	0.00075U	0.00060U	0.00064U	0.019U	0.00056U
cis-1,2-Dichloroethene	mg/kg	NE	2,200	NE	0.00059U	0.19U	0.21U	0.00065U	0.00062U	0.00072U	0.00057U	0.00061U	0.021U	0.00054U
trans-1,2-Dichloroethene	mg/kg	1,700	78	NE	0.00062U	0.16U	0.17U	0.00068U	0.00064U	0.00075U	0.00060U	0.00064U	0.017U	0.00056U
1,3-Dichloropropane	mg/kg	1,500	1,500	NE	0.00098U	0.16U	0.18U	0.0011U	0.0010U	0.0012U	0.00095U	0.0010U	0.018U	0.00089U
2,2-Dichloropropane	mg/kg	NE	NE	NE	0.00059U	0.19U	0.21U	0.00065U	0.00062U	0.00072U	0.00057U	0.00061U	0.021U	0.00054U
1,2-Dichloropropane	mg/kg	170	180	NE	0.00071U	0.15U	0.16U	0.00079U	0.00074U	0.00087U	0.00069U	0.00074U	0.016U	0.00064U
1,1-Dichloropropene	mg/kg	NE	NE	NE	0.00059U	0.16U	0.18U	0.00065U	0.00062U	0.00072U	0.00057U	0.00061U	0.018U	0.00054U
cis-1,3-Dichloropropene	mg/kg	NE	NE	NE	0.00065U	0.19U	0.21U	0.00072U	0.00068U	0.00080U	0.00063U	0.00067U	0.021U	0.00059U
trans-1,3-Dichloropropene	mg/kg	NE	NE	NE	0.00069U	0.18U	0.19U	0.00076U	0.00072U	0.00084U	0.00067U	0.00071U	0.019U	0.00062U
Ethylbenzene	mg/kg	480	480	84.5	0.00081U	0.21U	0.23U	0.00089U	0.00084U	0.00098U	0.00078U	<b>0.029</b>	0.023U	0.00073U
Freon 113	mg/kg	NE	NE	NE	0.00059U	0.16U	0.17U	0.00065U	0.00062U	0.00072U	0.00057U	0.00061U	0.017U	0.00054U



**Table 2**  
**Summary of VOCs in Soil**  
**Former Leake Oil**

448 E. Taggart Street, East Palestine, Ohio														04
Sample ID (Depth <sup>1</sup> )		VAP Standard		BUSTR <sup>5</sup>	SB-27 (6-8 FT)	SB-28 (4-6 FT)	SB-28 (6-8 FT)	SB-29 (2-4 FT)	SB-29 (4-6 FT)	SB-30 (4-6 FT)	SB-30 (6-8 FT)	SB-31 (2-4 FT)	SB-31 (6-8 FT)	DUP 6724 (SB-31 (6-8))
Collection Date		GDCS Commercial & Industrial Land Use <sup>4</sup>	GDCS Construction & Excavation Activities <sup>3</sup>	Closure Action Levels	6/5/2024	6/5/2024	6/5/2024	6/7/2024	6/7/2024	6/7/2024	6/7/2024	6/7/2024	6/7/2024	6/7/2024
Parameter	Units <sup>2</sup>				Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
2-Hexanone	mg/kg	NE	NE	NE	0.0033U	0.79U	0.87U	0.0037U	0.0035U	0.0041U	0.0032U	0.0034U	0.086U	0.0030U
Hexachloro-1,3-butadiene	mg/kg	630	170	NE	0.00059U	0.61U	0.67U	0.00065U	0.00062U	0.00088U	0.00057U	0.00061U	0.066U	0.00054U
n-Hexane	mg/kg	140	190	NE	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT

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**Table 2**  
**Summary of VOCs in Soil**  
**Former Leake Oil**

448 E. Taggart Street, East Palestine, Ohio														04
Sample ID (Depth <sup>1</sup> )		VAP Standard		BUSTR <sup>5</sup>	SB-27 (6-8 FT)	SB-28 (4-6 FT)	SB-28 (6-8 FT)	SB-29 (2-4 FT)	SB-29 (4-6 FT)	SB-30 (4-6 FT)	SB-30 (6-8 FT)	SB-31 (2-4 FT)	SB-31 (6-8 FT)	DUP 6724 (SB-31 (6-8))
Collection Date		GDCS Commercial & Industrial Land Use <sup>4</sup>	GDCS Construction & Excavation Activities <sup>3</sup>	Closure Action Levels	6/5/2024	6/5/2024	6/5/2024	6/7/2024	6/7/2024	6/7/2024	6/7/2024	6/7/2024	6/7/2024	6/7/2024
Parameter	Units <sup>2</sup>				Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Isopropylbenzene	mg/kg	270	260	NE	0.00072U	4.0	2.1	0.00080U	0.00075U	0.00072U	0.0013J	0.0081	0.022J	0.0018J
p-Isopropyltoluene	mg/kg	573 <sup>8</sup>	573 <sup>8</sup>	NE	0.00059U	0.19U	0.21U	0.00065U	0.00062U	0.00072U	0.00057U	0.0089	0.021U	0.00054U
Methyl tert-butyl ether	mg/kg	5,400	8,900	2	0.00059U	0.20U	0.22U	0.00065U	0.00062U	0.00072U	0.00057U	0.00061U	0.022U	0.00054U
4-Methyl-2-pentanone (MIBK)	mg/kg	3,400	3,400	NE	0.0045U	16.9	12.7	0.0050U	0.0047U	0.0055U	0.0044U	0.0047U	0.099U	0.0041U
Methylene Chloride	mg/kg	3,300	3,300	NE	0.00092U	0.27U	0.30U	0.0010U	0.0050	0.0011U	0.00090U	0.0021J	0.030U	0.0026
Naphthalene	mg/kg	420	560	0.511	0.00059U	11.8	6.0	0.00065U	0.00062U	0.00072U	0.00057U	0.036	0.023U	0.0069
n-Propylbenzene	mg/kg	236 <sup>8</sup>	236 <sup>8</sup>	NE	0.00059U	10.7	5.1	0.00065U	0.00062U	0.00072U	0.00094J	0.022	0.061J	0.0069
Styrene	mg/kg	870	1,700	NE	0.00059U	0.15U	0.16U	0.00065U	0.00062U	0.00072U	0.00057U	0.00061U	0.016U	0.00054U
1,1,2,2-Tetrachloroethane	mg/kg	71	670	NE	0.00066U	0.21U	0.23U	0.00073U	0.00069U	0.00081U	0.00064U	0.00069U	0.023U	0.00060U
1,1,1,2-Tetrachloroethane	mg/kg	230	680	NE	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Tetrachloroethene	mg/kg	170	220	NE	0.00071U	0.21U	0.23U	0.00079U	0.00074U	0.00087U	0.00069U	0.00074U	0.023U	0.00064U
Toluene	mg/kg	820	820	70.7	0.00079U	0.14U	0.15U	0.00088U	0.00083U	0.00097U	0.00077U	0.0053	0.016J	0.00072U
Xylenes, Total	mg/kg	260	260	42.7	0.0017U	1.1J	0.53J	0.0018U	0.0017U	0.0020U	0.0016U	0.12	0.044U	0.0015U
1,2,3-Trichlorobenzene	mg/kg	NE	NE	NE	0.00059U	0.56U	0.62U	0.00065U	0.00062U	0.00072U	0.00057U	0.00061U	0.062U	0.00054U
1,2,4-Trichlorobenzene	mg/kg	400	NE	NE	0.00059U	0.50U	0.55U	0.00065U	0.00062U	0.00072U	0.00057U	0.00061U	0.054U	0.00054U
1,1,1-Trichloroethane	mg/kg	640	1,300	NE	0.00073U	0.13U	0.15U	0.00081U	0.00077U	0.00090U	0.00071U	0.00076U	0.015U	0.00067U
1,1,2-Trichloroethane	mg/kg	130	210	NE	0.00066U	0.20U	0.22U	0.00073U	0.00069U	0.00081U	0.00064U	0.00069U	0.022U	0.00060U
Trichloroethene	mg/kg	51	560	NE	0.00059U	0.20U	0.22U	0.00065U	0.00062U	0.00072U	0.00057U	0.00061U	0.022U	0.00054U
Trichlorofluoromethane	mg/kg	1,200	1,600	NE	0.00059U	0.15U	0.16U	0.00065U	0.00062U	0.00072U	0.00057U	0.00061U	0.016U	0.00054U
1,2,3-Trichloropropane	mg/kg	4.4	19	NE	0.00059U	0.36U	0.40U	0.00065U	0.00062U	0.00072U	0.00057U	0.00061U	0.040U	0.00054U
1,2,4-Trimethylbenzene	mg/kg	220	220	2.37	0.00059U	0.15U	0.17U	0.00065U	0.00062U	0.00072U	0.00057U	0.13	0.017U	0.00058J

**Table 2**  
**Summary of VOCs in Soil**  
**Former Leake Oil**

448 E. Taggart Street, East Palestine, Ohio														04
Sample ID (Depth <sup>1</sup> )		VAP Standard		BUSTR <sup>5</sup>	SB-27 (6-8 FT)	SB-28 (4-6 FT)	SB-28 (6-8 FT)	SB-29 (2-4 FT)	SB-29 (4-6 FT)	SB-30 (4-6 FT)	SB-30 (6-8 FT)	SB-31 (2-4 FT)	SB-31 (6-8 FT)	DUP 6724 (SB-31 (6-8))
Collection Date		GDCS Commercial & Industrial Land Use <sup>4</sup>	GDCS Construction & Excavation Activities <sup>3</sup>	Closure Action Levels	6/5/2024	6/5/2024	6/5/2024	6/7/2024	6/7/2024	6/7/2024	6/7/2024	6/7/2024	6/7/2024	6/7/2024
Parameter	Units <sup>2</sup>				Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
1,3,5-Trimethylbenzene	mg/kg	180	180	NE	0.00059U	0.12U	0.13U	0.00065U	0.00062U	0.00072U	0.00057U	0.038	0.013U	0.00054U
Vinyl chloride	mg/kg	49	280	NE	0.00059U	0.18U	0.20U	0.00065U	0.00062U	0.00072U	0.00057U	0.00061U	0.020U	0.00054U
o-Xylenes	mg/kg	260	260	42.7	0.00069U	0.20U	0.22U	0.00076U	0.00072U	0.00084U	0.00067U	<b>0.019</b>	0.022U	0.00062U
m&p-Xylenes	mg/kg	260	260	42.7	0.00098U	<b>1.1J</b>	<b>0.53J</b>	0.0011U	0.0010U	0.0012U	0.00095U	<b>0.097</b>	0.034U	0.00089U

**Notes**

1. FT - Feet below grade
  2. mg/kg = Milligrams per kilogram - parts per million (ppm)
  3. Ohio EPA Voluntary Action Program (VAP) Generic Direct Contact Standard (GDCS) for Commercial/Industrial Land Use
  4. Ohio EPA Voluntary Action Program (VAP) Generic Direct Contact Standard (GDCS) for Construction and Excavation Activities
  5. BUSTR Action Levels defined in OAC 1301: 7-9-13, as required by OAC 3745-300-08(B)(3), Sand and Gravel, Unknown
  7. NE: Not Established (No Regulatory Limits Under the VAP Have Been Established for the Specific Compound).
  8. Standards from the Ohio EPA Voluntary Action Program Chemical Information Database and Applicable Regulatory Standards
  10. J = Analyte is present at an estimated concentration between the Method Detection Limit and Report Limit.
- U = Analyte is below laboratory reporting limits.  
 NT = Sample not tested for the analytical method. Samples were sent to two labs with different reporting processes.  
**Bold** numbers indicate a concentration above laboratory detection limits.  
**Bold and shaded** numbers indicate a detected concentration above a comparison standard.

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**Table 3**  
**Summary of SVOCs in Soil**  
**Former Leake Oil**  
**448 E. Taggart Street, East Palestine, Ohio**

				IA-01									
Sample ID (Depth <sup>1</sup> )		VAP Standards		BUSTR <sup>5</sup>	SB-01 (2-4 FT)	SB-01 (16-18 FT)	SB-05 (0-2 FT)	SB-05 (10-12FT)	SB-18 (0-2 FT)	SB-18 (2-4 FT)	SB-19 (2-4 FT)	SB-19 (4-6 FT)	MW-01 (2-4 FT)
Collection Date		GDCS Commercial & Industrial Land Use <sup>3</sup>	GDCS Construction & Excavation Activities <sup>4</sup>	Closure Action Levels	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/5/2024
Parameter	Units <sup>2</sup>												
<b>Semi-Volatile Organic Compounds - SVOCs</b>													
1,2,4,5-Tetrachlorobenzene	mg/kg	760	4,800	NE	NT	NT	NT	NT	NT	NT	NT	NT	NT
1,2,4-Trichlorobenzene	mg/kg	400	15,000	NE	NT	NT	NT	NT	NT	NT	NT	NT	NT
1,2-Dichlorobenzene	mg/kg	380	380	NE	NT	NT	NT	NT	NT	NT	NT	NT	NT
1,3-Dichlorobenzene	mg/kg	NE	NE	NE	NT	NT	NT	NT	NT	NT	NT	NT	NT
1,3-Dinitrobenzene	mg/kg	250	1,600	NE	NT	NT	NT	NT	NT	NT	NT	NT	NT
1,4-Dichlorobenzene	mg/kg	290	2,600	NE	NT	NT	NT	NT	NT	NT	NT	NT	NT
1-Methylnaphthalene	mg/kg	390	390	NE	0.0079	0.00096U	0.59	0.17	0.47	0.027	0.0096	0.0036J	0.15
1-Naphthylamine	mg/kg	NE	NE	NE	NT	NT	NT	NT	NT	NT	NT	NT	NT
2,3,4,6-Tetrachlorophenol	mg/kg	76,000	480,000	NE	NT	NT	NT	NT	NT	NT	NT	NT	NT
2,4,5-Trichlorophenol	mg/kg	250,000	1,000,000	NE	NT	NT	NT	NT	NT	NT	NT	NT	NT
2,4,6-Trichlorophenol	mg/kg	2,500	1,600	NE	NT	NT	NT	NT	NT	NT	NT	NT	NT
2,4-Dichlorophenol	mg/kg	7,600	32,000	NE	NT	NT	NT	NT	NT	NT	NT	NT	NT
2,4-Dimethylphenol	mg/kg	51,000	95,000	NE	NT	NT	NT	NT	NT	NT	NT	NT	NT
2,4-Dinitrophenol	mg/kg	5,100	32,000	NE	NT	NT	NT	NT	NT	NT	NT	NT	NT
2,4-Dinitrotoluene	mg/kg	230	3,600	NE	NT	NT	NT	NT	NT	NT	NT	NT	NT
2,6-Dichlorophenol	mg/kg	NE	NE	NE	NT	NT	NT	NT	NT	NT	NT	NT	NT
2,6-Dinitrotoluene	mg/kg	47	750	NE	NT	NT	NT	NT	NT	NT	NT	NT	NT
2-Acetylaminofluorene	mg/kg	19	290	NE	NT	NT	NT	NT	NT	NT	NT	NT	NT
2-Chloronaphthalene	mg/kg	370,000	1,000,000	NE	NT	NT	NT	NT	NT	NT	NT	NT	NT
2-Chlorophenol	mg/kg	23,00	27,000	NE	NT	NT	NT	NT	NT	NT	NT	NT	NT
2-Methylnaphthalene	mg/kg	8,900	5,800	NE	0.0096	0.0014U	0.65	0.19	0.65	0.033	0.011	0.0045J	0.19
2-Methylphenol	mg/kg	130,000	790,000	NE	NT	NT	NT	NT	NT	NT	NT	NT	NT
2-Naphthylamine	mg/kg	39	620	NE	NT	NT	NT	NT	NT	NT	NT	NT	NT
2-Nitroaniline	mg/kg	NE	NE	NE	NT	NT	NT	NT	NT	NT	NT	NT	NT
2-Nitrophenol	mg/kg	NE	NE	NE	NT	NT	NT	NT	NT	NT	NT	NT	NT
2-Picoline	mg/kg	NE	NE	NE	NT	NT	NT	NT	NT	NT	NT	NT	NT
3&4-Methylphenol	mg/kg	130,000	790,000	NE	NT	NT	NT	NT	NT	NT	NT	NT	NT
3,3'-Dichlorobenzidine	mg/kg	160	2,500	NE	NT	NT	NT	NT	NT	NT	NT	NT	NT
3-Methylcholanthrene	mg/kg	3.2	51	NE	NT	NT	NT	NT	NT	NT	NT	NT	NT
3-Nitroaniline	mg/kg	NE	NE	NE	NT	NT	NT	NT	NT	NT	NT	NT	NT
4,6-Dinitro-2-methylphenol	mg/kg	200	1,300	NE	NT	NT	NT	NT	NT	NT	NT	NT	NT
4-Aminobiphenyl	mg/kg	3.4	53	NE	NT	NT	NT	NT	NT	NT	NT	NT	NT
4-Bromophenyl phenyl ether	mg/kg	NE	NE	NE	NT	NT	NT	NT	NT	NT	NT	NT	NT
4-Chloro-3-methylphenol	mg/kg	250,000	160,000	NE	NT	NT	NT	NT	NT	NT	NT	NT	NT
4-Chloroaniline	mg/kg	350	800	NE	NT	NT	NT	NT	NT	NT	NT	NT	NT
4-Chlorophenyl phenyl ether	mg/kg	NE	NE	NE	NT	NT	NT	NT	NT	NT	NT	NT	NT
4-Nitroaniline	mg/kg	3,500	16,000	NE	NT	NT	NT	NT	NT	NT	NT	NT	NT
4-Nitrophenol	mg/kg	NE	NE	NE	NT	NT	NT	NT	NT	NT	NT	NT	NT
4-Nitroquinoline 1-oxide	mg/kg	NE	NE	NE	NT	NT	NT	NT	NT	NT	NT	NT	NT

Partners Environmental Consulting, Inc.

Sample ID (Depth <sup>1</sup> )		VAP Standards		BUSTR <sup>5</sup>	SB-01 (2-4 FT)	SB-01 (16-18 FT)	SB-05 (0-2 FT)	SB-05 (10-12FT)	SB-18 (0-2 FT)	SB-18 (2-4 FT)	SB-19 (2-4 FT)	SB-19 (4-6 FT)	MW-01 (2-4 FT)
Collection Date		GDCS Commercial & Industrial Land Use <sup>3</sup>	GDCS Construction & Excavation Activities <sup>4</sup>	Closure Action Levels	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/5/2024
Parameter	Units <sup>2</sup>												
5-Nitro-o-toluidine	mg/kg	NE	NE	NE	NT	NT	NT	NT	NT	NT	NT	NT	NT
7,12-Dimethylbenz(a)anthracene	mg/kg	0.25	4	NE	NT	NT	NT	NT	NT	NT	NT	NT	NT
Acenaphthene	mg/kg	1,000,000	290,000	NE	0.00097U	0.00096U	0.00092U	0.00090U	0.0010U	0.00098U	0.00098U	0.0010U	0.0011U
Acenaphthylene	mg/kg	130,000	290,000	NE	0.00097U	0.00096U	<b>0.02</b>	0.00090U	<b>0.016</b>	0.00098U	0.00098U	0.0010U	<b>0.0041J</b>
Acetophenone	mg/kg	2,500	2,500	NE	NT	NT	NT	NT	NT	NT	NT	NT	NT
Aniline	mg/kg	12,000	11,000	NE	NT	NT	NT	NT	NT	NT	NT	NT	NT
Anthracene	mg/kg	670,000	1,000,000	NE	0.00086U	0.00085U	<b>0.026</b>	<b>0.0052</b>	<b>0.024</b>	0.00087U	0.00087U	0.00092U	<b>0.012</b>
Azobenzene	mg/kg	NE	NE	NE	NT	NT	NT	NT	NT	NT	NT	NT	NT
Benidine	mg/kg	0.31	4.8	NE	NT	NT	NT	NT	NT	NT	NT	NT	NT
Benzo(a)anthracene	mg/kg	610	9,600	12	<b>0.0054</b>	0.00085U	<b>0.081</b>	<b>0.015</b>	<b>0.086</b>	<b>0.0034J</b>	0.00087U	0.00092U	<b>0.021</b>
Benzo(a)pyrene	mg/kg	62	230	1.2	<b>0.0057</b>	0.00085U	<b>0.075</b>	<b>0.017</b>	<b>0.097</b>	0.00087U	0.00087U	0.00092U	<b>0.015</b>
Benzo(b)fluoranthene	mg/kg	620	10,000	12	<b>0.008</b>	0.00085U	<b>0.11</b>	<b>0.032</b>	<b>0.13</b>	<b>0.0048J</b>	0.00087U	0.00092U	<b>0.022</b>
Benzo(g,h,i)perylene	mg/kg	67,000	430,000	NE	<b>0.0053J</b>	0.0011U	<b>0.083</b>	<b>0.051</b>	<b>0.07</b>	0.0011U	<b>0.0037J</b>	0.0012U	<b>0.015</b>
Benzo(k)fluoranthene	mg/kg	6,200	100,000	120	<b>0.0073</b>	0.00096U	<b>0.081</b>	<b>0.015</b>	<b>0.1</b>	<b>0.0037J</b>	0.00098U	0.0010U	<b>0.014</b>
Benzyl alcohol	mg/kg	NE	NE	NE	NT	NT	NT	NT	NT	NT	NT	NT	NT
Bis(2-chloroethoxy)methane	mg/kg	7,600	48,000	NE	NT	NT	NT	NT	NT	NT	NT	NT	NT
Bis(2-chloroethyl)ether	mg/kg	30	290	NE	NT	NT	NT	NT	NT	NT	NT	NT	NT
Bis(2-chloroisopropyl)ether	mg/kg	1,000	1,000	NE	NT	NT	NT	NT	NT	NT	NT	NT	NT
Bis(2-ethylhexyl)phthalate	mg/kg	5,100	79,000	NE	NT	NT	NT	NT	NT	NT	NT	NT	NT
Butyl benzyl phthalate	mg/kg	37,000	590,000	NE	NT	NT	NT	NT	NT	NT	NT	NT	NT
Carbazole	mg/kg	3,500	56,000	NE	0.180U	0.018U	<b>0.018J</b>	0.017U	0.020U	0.019U	0.019U	0.020U	0.021U
Chrysene	mg/kg	62,000	1,000,000	1,200	<b>0.0088</b>	0.00096U	<b>0.14</b>	<b>0.043</b>	<b>0.14</b>	<b>0.0057</b>	<b>0.0043J</b>	0.0010U	<b>0.045</b>
Di-n-butyl phthalate	mg/kg	250,000	480,000	NE	NT	NT	NT	NT	NT	NT	NT	NT	NT
Di-n-octyl phthalate	mg/kg	25,000	160,000	NE	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dibenzo(a,h)anthracene	mg/kg	62	1,000	1.2	0.00075U	0.00075U	<b>0.02</b>	<b>0.0078</b>	<b>0.018</b>	0.00076U	0.00076U	0.00081U	<b>0.0048J</b>
Dibenzofuran	mg/kg	4,700	9,700	NE	0.018U	0.018U	<b>0.17</b>	0.035J	<b>0.17</b>	0.019U	0.019U	0.020U	<b>0.053J</b>
Diethyl phthalate	mg/kg	1,000,000	1,000,000	NE	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dimethyl phthalate	mg/kg	1,000,000	1,000,000	NE	NT	NT	NT	NT	NT	NT	NT	NT	NT
1,4-Dioxane	mg/kg	850	9,700	NE	0.0027U	0.0027U	0.0026U	0.0025U	0.0029U	0.0027U	0.0027U	0.0029U	0.0031U
Dinoseb	mg/kg	2,500	1,600	NE	NT	NT	NT	NT	NT	NT	NT	NT	NT
Diphenylamine	mg/kg	NE	NE	NE	NT	NT	NT	NT	NT	NT	NT	NT	NT
Ethyl methanesulfonate	mg/kg	NE	NE	NE	NT	NT	NT	NT	NT	NT	NT	NT	NT
Fluoranthene	mg/kg	89,000	170,000	NE	0.015	0.00096U	<b>0.11</b>	<b>0.025</b>	<b>0.16</b>	<b>0.0089</b>	<b>0.0066</b>	<b>0.0024J</b>	<b>0.029</b>
Fluorene	mg/kg	89,000	580,000	NE	0.0011U	0.0011U	<b>0.052</b>	<b>0.0086</b>	<b>0.011</b>	0.0011U	0.0011U	0.0012U	<b>0.0087</b>
Hexachlorobenzene	mg/kg	22	16	NE	NT	NT	NT	NT	NT	NT	NT	NT	NT



**Table 3**  
**Summary of SVOCs in Soil**  
**Former Leake Oil**  
**448 E. Taggart Street, East Palestine, O**

Sample ID (Depth <sup>1</sup> )		MW-01 (4-6 FT)	SB-04 (2-4 FT)	SB-04 (6-8 FT)	SB-09 (4-6 FT)	DUP 6324 (SB-09 4-6 FT)	SB-09 (10-12 FT)	SB-11 (4-6 FT)	SB-11 (8-10 FT)	SB-13 (8-10 FT)	SB-13 (10-12 FT)	SB-14 (6-8 FT)	DUP6424 (SB-14 6-8)	SB-14 (10-12 FT)	SB-15 (6-8 FT)
Collection Date		6/5/2024	6/3/2024	6/3/2024	6/3/2024	6/3/2024	6/3/2024	6/3/2024	6/3/2024	6/4/2024	6/4/2024	6/4/2024	6/4/2024	6/4/2024	6/3/2024
Parameter	Units <sup>2</sup>														
<b>Semi-Volatile Organic Compounds - SVOCs</b>															
1,2,4,5-Tetrachlorobenzene	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
1,2,4-Trichlorobenzene	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
1,2-Dichlorobenzene	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
1,3-Dichlorobenzene	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
1,3-Dinitrobenzene	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
1,4-Dichlorobenzene	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
1-Methylnaphthalene	mg/kg	<b>0.011</b>	<b>0.013</b>	<b>0.027J</b>	<b>0.5</b>	<b>0.29</b>	<b>0.041</b>	<b>0.27</b>	<b>0.24</b>	<b>1.1</b>	<b>0.17</b>	<b>2.6</b>	<b>0.35</b>	<b>0.12</b>	<b>0.55</b>
1-Naphthylamine	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2,3,4,6-Tetrachlorophenol	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2,4,5-Trichlorophenol	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2,4,6-Trichlorophenol	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2,4-Dichlorophenol	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2,4-Dimethylphenol	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2,4-Dinitrophenol	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2,4-Dinitrotoluene	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2,6-Dichlorophenol	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2,6-Dinitrotoluene	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2-Acetylaminofluorene	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2-Chloronaphthalene	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2-Chlorophenol	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2-Methylnaphthalene	mg/kg	<b>0.013</b>	<b>0.015</b>	<b>0.019 J</b>	<b>0.74</b>	<b>0.45</b>	<b>0.034</b>	<b>0.12</b>	<b>0.23</b>	<b>1.2</b>	<b>0.22</b>	<b>3.4</b>	<b>0.5</b>	<b>0.1</b>	<b>0.6</b>
2-Methylphenol	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2-Naphthylamine	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2-Nitroaniline	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2-Nitrophenol	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2-Picoline	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
3&4-Methylphenol	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
3,3'-Dichlorobenzidine	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
3-Methylcholanthrene	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
3-Nitroaniline	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
4,6-Dinitro-2-methylphenol	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
4-Aminobiphenyl	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
4-Bromophenyl phenyl ether	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
4-Chloro-3-methylphenol	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
4-Chloroaniline	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
4-Chlorophenyl phenyl ether	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
4-Nitroaniline	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
4-Nitrophenol	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
4-Nitroquinoline 1-oxide	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT

Partners Environmental Consulting, Inc.

Sample ID (Depth <sup>1</sup> )		MW-01 (4-6 FT)	SB-04 (2-4 FT)	SB-04 (6-8 FT)	SB-09 (4-6 FT)	DUP 6324 (SB-09 4-6 FT)	SB-09 (10-12 FT)	SB-11 (4-6 FT)	SB-11 (8-10 FT)	SB-13 (8-10 FT)	SB-13 (10-12 FT)	SB-14 (6-8 FT)	DUP6424 (SB-14 6-8)	SB-14 (10-12 FT)	SB-15 (6-8 FT)
Collection Date		6/5/2024	6/3/2024	6/3/2024	6/3/2024	6/3/2024	6/3/2024	6/3/2024	6/3/2024	6/4/2024	6/4/2024	6/4/2024	6/4/2024	6/4/2024	6/3/2024
Parameter	Units <sup>2</sup>														
5-Nitro-o-toluidine	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
7,12-Dimethylbenz(a)anthracene	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Acenaphthene	mg/kg	0.0011U	0.00099U	<b>0.036</b>	0.0011U	0	0.0010U	<b>0.12</b>	0.00094U	<b>0.13</b>	0.00097U	<b>0.24</b>	0.00097U	0.00092U	0.0010U
Acenaphthylene	mg/kg	0.0011U	0.00099U	<b>0.011</b>	0.0011U	0	0.0010U	<b>0.056</b>	0.00094U	0.00093 U	0.00097U	0.0010U	0.00097U	0.00092U	0.0010U
Acetophenone	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Aniline	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Anthracene	mg/kg	0.00094U	0.00088U	<b>0.035</b>	<b>0.022</b>	<b>0.015</b>	0.00092U	<b>0.13</b>	<b>0.0093</b>	<b>0.11</b>	0.0059	<b>0.25</b>	<b>0.044</b>	<b>0.0028J</b>	<b>0.015</b>
Azobenzene	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Benidine	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Benzo(a)anthracene	mg/kg	0.00094U	<b>0.0047J</b>	0.00088U	0.00095U	0	<b>0.0064</b>	<b>0.0036J</b>	<b>0.0091</b>	<b>0.0082</b>	0.01	<b>0.0042J</b>	0.00086U	<b>0.014</b>	<b>0.021</b>
Benzo(a)pyrene	mg/kg	0.00094U	<b>0.0046J</b>	0.00088U	0.00095U	0	<b>0.0052J</b>	0.00088U	<b>0.0098</b>	<b>0.0068</b>	0.012	0.00090U	0.00086U	<b>0.013</b>	<b>0.019</b>
Benzo(b)fluoranthene	mg/kg	<b>0.0041J</b>	<b>0.0082</b>	0.00088U	0.00095U	0	<b>0.0097</b>	0.00088U	<b>0.021</b>	0.00088U	0.023	0.00090U	0.00086U	<b>0.026</b>	<b>0.04</b>
Benzo(g,h,i)perylene	mg/kg	0.0012U	<b>0.0074</b>	0.0011U	0.0012U	<b>0.0036</b>	<b>0.018</b>	0.0011U	<b>0.034</b>	<b>0.018</b>	0.044	0.0044J	0.0011U	<b>0.051</b>	<b>0.039</b>
Benzo(k)fluoranthene	mg/kg	0.0011U	<b>0.0063</b>	0.00099U	0.0011U	0	<b>0.0039J</b>	0.00099U	<b>0.0091</b>	<b>0.0068</b>	0.0083	0.0010U	0.00097U	<b>0.011</b>	<b>0.023</b>
Benzyl alcohol	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Bis(2-chloroethoxy)methane	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Bis(2-chloroethyl)ether	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Bis(2-chloroisopropyl)ether	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Bis(2-ethylhexyl)phthalate	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Butyl benzyl phthalate	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Carbazole	mg/kg	0.020U	0.019U	0.019U	0.020U	0	0.020U	0.019U	0.019U	0.018U	0.018U	0.019U	0.018U	0.017U	0.019U
Chrysene	mg/kg	<b>0.0054J</b>	<b>0.0083</b>	0.00099U	0.0011U	<b>0.0044</b>	<b>0.015</b>	<b>0.0053J</b>	<b>0.026</b>	<b>0.017</b>	0.029	<b>0.0091</b>	<b>0.0039J</b>	<b>0.041</b>	<b>0.046</b>
Di-n-butyl phthalate	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Di-n-octyl phthalate	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dibenzo(a,h)anthracene	mg/kg	0.00082U	0.00077U	0.00077U	0.00083U	0	0.00080U	0.00077U	<b>0.0045J</b>	<b>0.0026 J</b>	0.0053J	0.00079U	0.00075U	<b>0.007</b>	<b>0.0085</b>
Dibenzofuran	mg/kg	0.020U	0.019U	0.019U	0.020U	0	0.020U	0.019U	<b>0.032J</b>	<b>0.20</b>	0.040J	<b>0.5</b>	<b>0.087J</b>	<b>0.033J</b>	<b>0.070J</b>
Diethyl phthalate	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dimethyl phthalate	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
1,4-Dioxane	mg/kg	0.0029U	0.0028U	0.0028U	0.0030U	0	0.0029U	0.0028U	0.0026U	0.0026 U	0.0027U	0.0028U	0.0027U	0.0026U	0.0028U
Dinoseb	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Diphenylamine	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Ethyl methanesulfonate	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Fluoranthene	mg/kg	0.0040J	<b>0.017</b>	0.00099U	0.0011U	0	<b>0.0096</b>	0.00099U	<b>0.014</b>	<b>0.023</b>	<b>0.021</b>	<b>0.026</b>	<b>0.011</b>	<b>0.033</b>	<b>0.034</b>
Fluorene	mg/kg	0.0012U	0.0011U	<b>0.076</b>	<b>0.088</b>	<b>0.051</b>	<b>0.0035J</b>	<b>0.29</b>	<b>0.029</b>	<b>0.39</b>	<b>0.019</b>	<b>0.6</b>	0.0011U	<b>0.011</b>	<b>0.023J</b>
Hexachlorobenzene	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT

**Table 3**  
**Summary of SVOCs in Soil**  
**Former Leake Oil**  
**448 E. Taggart Street, East Palestine, O**

		IA-02														
Sample ID (Depth <sup>1</sup> )		SB-15 (16-18 FT)	SB-16 ( 8-10 FT)	SB-16 (10-12 FT)	SB-17 (6-8 FT)	SB-17 (8-10 FT)	MW-02 (6-8 FT)	MW-02 (10-12 FT)	MW-03 (6-8 FT)	MW-03 (8-10 FT)	MW-04 (6-8 FT)	MW-04 (10-12 FT)	MW-05 (4-6 FT)	MW-05 (6-8 FT)	MW-06 (4-6 FT)	
Collection Date		6/3/2024	6/3/2024	6/3/2024	6/4/2024	6/4/2024	6/3/2024	6/3/2024	6/4/2024	6/4/2024	6/4/2024	6/4/2024	6/3/2024	6/3/2024	6/3/2024	
Parameter	Units <sup>2</sup>															
<b>Semi-Volatile Organic Compounds - SVOCs</b>																
1,2,4,5-Tetrachlorobenzene	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
1,2,4-Trichlorobenzene	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
1,2-Dichlorobenzene	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
1,3-Dichlorobenzene	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
1,3-Dinitrobenzene	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
1,4-Dichlorobenzene	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
1-Methylnaphthalene	mg/kg	<b>0.086</b>	<b>4.1</b>	<b>3.6</b>	<b>0.25</b>	<b>0.38</b>	<b>2.9</b>	<b>2.3</b>	<b>0.12</b>	<b>0.1</b>	<b>0.035</b>	<b>0.12</b>	<b>0.035</b>	<b>0.73</b>	<b>0.57</b>	
1-Naphthylamine	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2,3,4,6-Tetrachlorophenol	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2,4,5-Trichlorophenol	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2,4,6-Trichlorophenol	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2,4-Dichlorophenol	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2,4-Dimethylphenol	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2,4-Dinitrophenol	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2,4-Dinitrotoluene	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2,6-Dichlorophenol	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2,6-Dinitrotoluene	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2-Acetylaminofluorene	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2-Chloronaphthalene	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2-Chlorophenol	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2-Methylnaphthalene	mg/kg	<b>0.06</b>	<b>6</b>	<b>5.3</b>	<b>0.0098</b>	<b>0.16</b>	<b>5</b>	<b>3.7</b>	<b>0.046</b>	<b>0.089</b>	<b>0.0071</b>	<b>0.094</b>	<b>0.042</b>	<b>0.078</b>	<b>0.47</b>	
2-Methylphenol	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2-Naphthylamine	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2-Nitroaniline	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2-Nitrophenol	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2-Picoline	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
3&4-Methylphenol	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
3,3'-Dichlorobenzidine	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
3-Methylcholanthrene	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
3-Nitroaniline	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
4,6-Dinitro-2-methylphenol	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
4-Aminobiphenyl	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
4-Bromophenyl phenyl ether	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
4-Chloro-3-methylphenol	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
4-Chloroaniline	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
4-Chlorophenyl phenyl ether	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
4-Nitroaniline	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
4-Nitrophenol	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
4-Nitroquinoline 1-oxide	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT

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Sample ID (Depth <sup>1</sup> )		SB-15 (16-18 FT)	SB-16 ( 8-10 FT)	SB-16 (10-12 FT)	SB-17 (6-8 FT)	SB-17 (8-10 FT)	MW-02 (6-8 FT)	MW-02 (10-12 FT)	MW-03 (6-8 FT)	MW-03 (8-10 FT)	MW-04 (6-8 FT)	MW-04 (10-12 FT)	MW-05 (4-6 FT)	MW-05 (6-8 FT)	MW-06 (4-6 FT)
Collection Date		6/3/2024	6/3/2024	6/3/2024	6/4/2024	6/4/2024	6/3/2024	6/3/2024	6/4/2024	6/4/2024	6/4/2024	6/4/2024	6/3/2024	6/3/2024	6/3/2024
Parameter	Units <sup>2</sup>														
5-Nitro-o-toluidine	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
7,12-Dimethylbenz(a)anthracene	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Acenaphthene	mg/kg	0.00096U	<b>0.24</b>	<b>0.2</b>	<b>0.046</b>	<b>0.13</b>	<b>0.16</b>	<b>0.12</b>	0.00093U	0.00099U	<b>0.018</b>	0.00091U	0.0011U	0.0010U	<b>0.06</b>
Acenaphthylene	mg/kg	0.00096U	0.00093U	0.0011U	0.0010U	0.0010U	0.0010U	0.0010U	0.00093U	0.00099U	0.0011U	0.00091U	0.0011U	0.0010U	0.0011U
Acetophenone	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Aniline	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Anthracene	mg/kg	<b>0.0055</b>	<b>0.19</b>	<b>0.099</b>	<b>0.027</b>	<b>0.089</b>	<b>0.046</b>	<b>0.071</b>	<b>0.083</b>	<b>0.0026J</b>	<b>0.0030J</b>	0.00081U	0.00096U	<b>0.26</b>	<b>0.044</b>
Azobenzene	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Benzidine	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Benzo(a)anthracene	mg/kg	<b>0.0097</b>	<b>0.0058</b>	<b>0.0034J</b>	0.00093U	0.00092U	<b>0.0054J</b>	<b>0.0059</b>	<b>0.007</b>	<b>0.012</b>	0.00095U	<b>0.01</b>	0.00096U	<b>0.0034J</b>	<b>0.0050J</b>
Benzo(a)pyrene	mg/kg	<b>0.014</b>	<b>0.0051J</b>	<b>0.0026J</b>	0.00093U	0.00092U	0.00091U	<b>0.0057</b>	0.00082U	<b>0.014</b>	0.00095U	<b>0.011</b>	0.00096U	0.00091U	<b>0.0037J</b>
Benzo(b)fluoranthene	mg/kg	<b>0.023</b>	<b>0.0093</b>	<b>0.0046J</b>	0.00093U	0.00092U	<b>0.0078</b>	<b>0.0096</b>	<b>0.0076</b>	<b>0.024</b>	0.00095U	<b>0.019</b>	<b>0.0045J</b>	0.00091U	<b>0.0066</b>
Benzo(g,h,i)perylene	mg/kg	<b>0.044</b>	<b>0.016</b>	<b>0.0056J</b>	0.0012U	0.0011U	<b>0.0098</b>	<b>0.016</b>	<b>0.0046J</b>	<b>0.053</b>	0.0012U	<b>0.04</b>	<b>0.0038J</b>	0.0011U	<b>0.0057J</b>
Benzo(k)fluoranthene	mg/kg	<b>0.011</b>	0.00093U	<b>0.0030J</b>	0.0010U	0.0010U	<b>0.0041J</b>	<b>0.0048J</b>	<b>0.0030J</b>	<b>0.011</b>	0.0011U	0.00091U	0.0011U	0.0010U	<b>0.0046J</b>
Benzyl alcohol	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Bis(2-chloroethoxy)methane	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Bis(2-chloroethyl)ether	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Bis(2-chloroisopropyl)ether	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Bis(2-ethylhexyl)phthalate	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Butyl benzyl phthalate	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Carbazole	mg/kg	0.018U	0.018U	0.020U	0.020U	0.019U	0.019U	0.019U	0.017U	0.019U	0.020U	0.017U	0.020U	0.019U	0.020U
Chrysene	mg/kg	<b>0.026</b>	<b>0.015</b>	<b>0.0078</b>	0.0010U	<b>0.0037J</b>	<b>0.011</b>	<b>0.015</b>	<b>0.0079</b>	<b>0.033</b>	0.0011U	<b>0.027</b>	<b>0.0051J</b>	<b>0.0063</b>	<b>0.0097</b>
Di-n-butyl phthalate	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Di-n-octyl phthalate	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dibenzo(a,h)anthracene	mg/kg	<b>0.0053J</b>	0.00072U	0.00082U	0.00081U	0.00080U	0.00080U	0.00079U	0.00072U	<b>0.0065</b>	0.00083U	<b>0.0057</b>	0.00084U	0.00079U	0.00082U
Dibenzofuran	mg/kg	<b>0.042J</b>	0.018U	<b>0.23</b>	0.020U	<b>0.11J</b>	<b>0.16</b>	<b>0.14</b>	0.017U	<b>0.021J</b>	0.020U	<b>0.020J</b>	0.020U	0.019U	<b>0.11J</b>
Diethyl phthalate	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dimethyl phthalate	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
1,4-Dioxane	mg/kg	0.0027U	0.0026U	0.0029U	0.0029U	0.0029U	0.0028U	0.0028U	0.0026U	<b>0.0027U</b>	0.0030U	0.0025U	0.0030U	0.0028U	0.0029U
Dinoseb	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Diphenylamine	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Ethyl methanesulfonate	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Fluoranthene	mg/kg	<b>0.019</b>	0.00093U	<b>0.016</b>	0.0010U	0.0010U	<b>0.014</b>	<b>0.019</b>	0.00093U	<b>0.02</b>	0.0011U	<b>0.016</b>	<b>0.0055J</b>	0.0010U	0.0011U
Fluorene	mg/kg	<b>0.02</b>	<b>0.79</b>	<b>0.5</b>	<b>0.13</b>	<b>0.32</b>	<b>0.28</b>	<b>0.26</b>	0.0010U	<b>0.0064</b>	<b>0.036</b>	<b>0.0040J</b>	0.0012U	<b>0.51</b>	<b>0.15</b>
Hexachlorobenzene	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT

**Table 3**  
**Summary of SVOCs in Soil**  
**Former Leake Oil**  
**448 E. Taggart Street, East Palestine, O**

Sample ID (Depth <sup>1</sup> )		MW-06 (10-12 FT)	SB-32 (0-2 FT)	SB-32 (2-4 FT)	SB-33 (0-2 FT)	SB-33 (2-4 FT)	SB-34 (0-2 FT)	SB-34 (2-4 FT)	SB-35 (2-4 FT)	SB-35 (4-6 FT)	SB-36 (2-4 FT)	SB-36 (4-6 FT)	MW-07 (0-2 FT)	MW-07 (6-8 FT)	MW-08 (4-6 FT)
Collection Date		6/3/2024	6/7/2024	6/7/2024	6/7/2024	6/7/2024	6/7/2024	6/7/2024	6/7/2024	6/7/2024	6/7/2024	6/7/2024	6/17/2024	6/17/2024	6/17/2024
Parameter	Units <sup>2</sup>														
<b>Semi-Volatile Organic Compounds - SVOCs</b>															
1,2,4,5-Tetrachlorobenzene	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.38	<0.42	<0.40
1,2,4-Trichlorobenzene	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.38	<0.42	<0.40
1,2-Dichlorobenzene	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.38	<0.42	<0.40
1,3-Dichlorobenzene	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.38	<0.42	<0.40
1,3-Dinitrobenzene	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.38	<0.42	<0.40
1,4-Dichlorobenzene	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.38	<0.42	<0.40
1-Methylnaphthalene	mg/kg	<b>0.087</b>	<b>0.47</b>	<b>4.1</b>	<b>0.011</b>	<b>0.0071</b>	<b>0.21</b>	<b>4.3</b>	<b>2.2</b>	<b>0.38</b>	<b>0.14</b>	<b>0.17</b>	<0.23	<0.25	<b>9.7</b>
1-Naphthylamine	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.38	<0.42	<0.40
2,3,4,6-Tetrachlorophenol	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.38	<0.42	<0.40
2,4,5-Trichlorophenol	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.38	<0.42	<0.40
2,4,6-Trichlorophenol	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.38	<0.42	<0.40
2,4-Dichlorophenol	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.38	<0.42	<0.40
2,4-Dimethylphenol	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.38	<0.42	<0.40
2,4-Dinitrophenol	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<1.9	<2.1	<2.0
2,4-Dinitrotoluene	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.38	<0.42	<0.40
2,6-Dichlorophenol	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.38	<0.42	<0.40
2,6-Dinitrotoluene	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.38	<0.42	<0.40
2-Acetylaminofluorene	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.38	<0.42	<0.40
2-Chloronaphthalene	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.38	<0.42	<0.40
2-Chlorophenol	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.38	<0.42	<0.40
2-Methylnaphthalene	mg/kg	<b>0.066</b>	<b>0.67</b>	<b>6.6</b>	<b>0.015</b>	<b>0.0084</b>	<b>0.29</b>	<b>7</b>	<b>3.5</b>	<b>0.6</b>	<b>0.089</b>	<b>0.26</b>	<0.23	<0.25	<b>7.2</b>
2-Methylphenol	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.38	<0.42	<0.40
2-Naphthylamine	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.38	<0.42	<0.40
2-Nitroaniline	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<1.9	<2.1	<2.0
2-Nitrophenol	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.38	<0.42	<0.40
2-Picoline	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.38	<0.42	<0.40
3&4-Methylphenol	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.38	<0.42	<0.40
3,3'-Dichlorobenzidine	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.76	<0.84	<0.79
3-Methylcholanthrene	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.38	<0.42	<0.40
3-Nitroaniline	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<1.9	<2.1	<2.0
4,6-Dinitro-2-methylphenol	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<1.9	<2.1	<2.0
4-Aminobiphenyl	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.76	<0.84	<0.79
4-Bromophenyl phenyl ether	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.38	<0.42	<0.40
4-Chloro-3-methylphenol	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.76	<0.84	<0.79
4-Chloroaniline	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.76	<0.84	<0.79
4-Chlorophenyl phenyl ether	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.38	<0.42	<0.40
4-Nitroaniline	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.76	<0.84	<0.79
4-Nitrophenol	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<1.9	<2.1	<2.0
4-Nitroquinoline 1-oxide	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<1.9	<2.1	<2.0

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Sample ID (Depth <sup>1</sup> )		MW-06 (10-12 FT)	SB-32 (0-2 FT)	SB-32 (2-4 FT)	SB-33 (0-2 FT)	SB-33 (2-4 FT)	SB-34 (0-2 FT)	SB-34 (2-4 FT)	SB-35 (2-4 FT)	SB-35 (4-6 FT)	SB-36 (2-4 FT)	SB-36 (4-6 FT)	MW-07 (0-2 FT)	MW-07 (6-8 FT)	MW-08 (4-6 FT)
Collection Date		6/3/2024	6/7/2024	6/7/2024	6/7/2024	6/7/2024	6/7/2024	6/7/2024	6/7/2024	6/7/2024	6/7/2024	6/7/2024	6/17/2024	6/17/2024	6/17/2024
Parameter	Units <sup>2</sup>														
5-Nitro-o-toluidine	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.38	<0.42	<0.40
7,12-Dimethylbenz(a)anthracene	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.38	<0.42	<0.40
Acenaphthene	mg/kg	0.00095U	0.0012 U	<b>0.37</b>	0.0010U	0.0012U	0.0010U	<b>0.15</b>	<b>0.19</b>	<b>0.046</b>	<b>0.012</b>	<b>0.044</b>	<0.23	<0.25	<b>0.77</b>
Acenaphthylene	mg/kg	0.00095U	<b>0.030</b>	0.0012 U	0.0010U	0.0012U	<b>0.0068</b>	0.0010U	0.0012U	0.0010U	0.0011U	0.00098U	<0.23	<0.25	<0.24
Acetophenone	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.38	<0.42	<0.40
Aniline	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.38	<0.42	<0.40
Anthracene	mg/kg	<b>0.0024J</b>	<b>0.061</b>	<b>0.14</b>	0.00091U	0.0059J	<b>0.0078</b>	<b>0.034</b>	<b>0.083</b>	<b>0.038</b>	0.00094U	<b>0.063</b>	<0.23	<0.25	<b>0.6</b>
Azobenzene	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.38	<0.42	<0.40
Benzidine	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.38	<0.42	<0.40
Benzo(a)anthracene	mg/kg	<b>0.0088</b>	<b>0.12</b>	<b>0.024</b>	0.00091U	0.0010U	<b>0.027</b>	<b>0.019</b>	0.0011U	0.00091U	<b>0.0043J</b>	0.00087U	<0.11	<0.13	<0.12
Benzo(a)pyrene	mg/kg	<b>0.011</b>	<b>0.14</b>	<b>0.023</b>	0.00091U	0.0010U	<b>0.03</b>	<b>0.02</b>	0.0011U	0.00091U	<b>0.0048J</b>	0.00087U	<0.11	<0.13	<0.12
Benzo(b)fluoranthene	mg/kg	<b>0.018</b>	<b>0.18</b>	<b>0.031</b>	0.00091U	0.0010U	<b>0.032</b>	<b>0.035</b>	0.0011U	0.00091U	<b>0.0058J</b>	0.00087U	<0.23	<0.25	<0.24
Benzo(g,h,i)perylene	mg/kg	<b>0.037</b>	<b>0.13</b>	<b>0.049</b>	0.0034J	<b>0.012</b>	<b>0.031</b>	<b>0.079</b>	0.0013U	0.0011U	<b>0.0053J</b>	0.0011U	<0.23	<0.25	<0.24
Benzo(k)fluoranthene	mg/kg	<b>0.0079</b>	<b>0.13</b>	<b>0.017</b>	0.0010U	0.0012U	<b>0.026</b>	<b>0.017</b>	0.0012U	0.0010U	<b>0.0051J</b>	0.00098U	<0.23	<0.25	<0.24
Benzyl alcohol	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.76	<0.84	<0.79
Bis(2-chloroethoxy)methane	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.38	<0.42	<0.40
Bis(2-chloroethyl)ether	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.38	<0.42	<0.40
Bis(2-chloroisopropyl)ether	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.38	<0.42	<0.40
Bis(2-ethylhexyl)phthalate	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.38	<0.42	<0.40
Butyl benzyl phthalate	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.38	<0.42	<0.40
Carbazole	mg/kg	0.018U	0.037J	0.067 J	0.019U	0.022U	0.020U	0.021J	0.022U	0.019U	0.020U	0.019U	<0.23	<0.25	<0.24
Chrysene	mg/kg	<b>0.025</b>	<b>0.17</b>	<b>0.045</b>	0.0010U	0.0012U	<b>0.042</b>	<b>0.046</b>	<b>0.0046J</b>	0.0010U	<b>0.0063</b>	0.00098U	<0.23	<0.25	<0.24
Di-n-butyl phthalate	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.38	<0.42	<0.40
Di-n-octyl phthalate	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.38	<0.42	<0.40
Dibenzo(a,h)anthracene	mg/kg	<b>0.0046J</b>	<b>0.028</b>	<b>0.0077</b>	0.00080U	0.00090U	0.0073	0.010	<b>0.0073</b>	<b>0.00079 U</b>	0.00082U	0.00076U	<0.11	<0.13	<0.12
Dibenzofuran	mg/kg	<b>0.027J</b>	<b>0.17</b>	<b>0.36</b>	0.019U	0.022U	<b>0.086J</b>	<b>0.2</b>	<b>0.16</b>	<b>0.065J</b>	0.020U	<b>0.053J</b>	<0.23	<0.25	<b>0.5</b>
Diethyl phthalate	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.38	<0.42	<0.40
Dimethyl phthalate	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.38	<0.42	<0.40
1,4-Dioxane	mg/kg	0.0026U	0.0029U	0.0033 U	0.0028U	0.0032U	0.0029U	0.0029U	0.0033U	0.0028U	0.0029U	0.0027U	NT	NT	NT
Dinoseb	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.38	<0.42	<0.40
Diphenylamine	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.38	<0.42	<0.40
Ethyl methanesulfonate	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.38	<0.42	<0.40
Fluoranthene	mg/kg	<b>0.016</b>	<b>0.22</b>	<b>0.053</b>	0.0010U	0.0012 U	<b>0.038</b>	<b>0.034</b>	0.0012U	0.0010U	<b>0.0056J</b>	0.00098U	<0.23	<0.25	<0.24
Fluorene	mg/kg	<b>0.0086</b>	<b>0.024</b>	<b>0.59</b>	0.0011U	0.0013 U	<b>0.0056J</b>	<b>0.27</b>	<b>0.36</b>	<b>0.14</b>	<b>0.022</b>	<b>0.18</b>	<0.23	<0.25	<b>1.3</b>
Hexachlorobenzene	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.38	<0.42	<0.40

**Table 3**  
**Summary of SVOCs in Soil**  
**Former Leake Oil**  
**448 E. Taggart Street, East Palestine, O**

		IA-03													
Sample ID (Depth <sup>1</sup> )		MW-08 (6-8 FT)	MW-09 (4-6 FT)	MW-09 (6--8 FT)	MW-10 (6-8 FT)	MW-10 (8-10 FT)	MW-11 (0-2 FT)	MW-11 (8-10 FT)	SB-38 4-6 FT)	SB-38 (6-8 FT)	SB-39 (4-6 FT)	SB-39 (6-8 FT)	SB-40 (2-4 FT)	SB-40 (4-6 FT)	DUP-24
Collection Date		6/17/2024	6/17/2024	6/17/2024	6/18/2024	6/18/2024	6/18/2024	6/18/2024	6/17/2024	6/17/2024	6/17/2024	6/17/2024	6/17/2024	6/17/2024	6/17/2024
Parameter	Units <sup>2</sup>														
<b>Semi-Volatile Organic Compounds - SVOCs</b>															
1,2,4,5-Tetrachlorobenzene	mg/kg	<0.39	<0.51	<0.39	<0.39	<0.39	<0.36	<0.39	<0.38	<0.41	<0.38	<0.40	<0.37	<0.40	<0.41
1,2,4-Trichlorobenzene	mg/kg	<0.39	<0.51	<0.39	<0.39	<0.39	<0.36	<0.39	<0.38	<0.41	<0.38	<0.40	<0.37	<0.40	<0.41
1,2-Dichlorobenzene	mg/kg	<0.39	<0.51	<0.39	<0.39	<0.39	<0.36	<0.39	<0.38	<0.41	<0.38	<0.40	<0.37	<0.40	<0.41
1,3-Dichlorobenzene	mg/kg	<0.39	<0.51	<0.39	<0.39	<0.39	<0.36	<0.39	<0.38	<0.41	<0.38	<0.40	<0.37	<0.40	<0.41
1,3-Dinitrobenzene	mg/kg	<0.39	<0.51	<0.39	<0.39	<0.39	<0.36	<0.39	<0.38	<0.41	<0.38	<0.40	<0.37	<0.40	<0.41
1,4-Dichlorobenzene	mg/kg	<0.39	<0.51	<0.39	<0.39	<0.39	<0.36	<0.39	<0.38	<0.41	<0.38	<0.40	<0.37	<0.40	<0.41
1-Methylnaphthalene	mg/kg	<b>4.8</b>	<0.31	<b>0.52</b>	<b>7.3</b>	<b>2.7</b>	<0.22	<0.24	<0.23	<0.25	<0.23	<0.24	<0.22	<0.24	<0.25
1-Naphthylamine	mg/kg	<0.39	<0.51	<0.39	<0.39	<0.39	<0.36	<0.39	<0.38	<0.41	<0.38	<0.40	<0.37	<0.40	<0.41
2,3,4,6-Tetrachlorophenol	mg/kg	<0.39	<0.51	<0.39	<0.39	<0.39	<0.36	<0.39	<0.38	<0.41	<0.38	<0.40	<0.37	<0.40	<0.41
2,4,5-Trichlorophenol	mg/kg	<0.39	<0.51	<0.39	<0.39	<0.39	<0.36	<0.39	<0.38	<0.41	<0.38	<0.40	<0.37	<0.40	<0.41
2,4,6-Trichlorophenol	mg/kg	<0.39	<0.51	<0.39	<0.39	<0.39	<0.36	<0.39	<0.38	<0.41	<0.38	<0.40	<0.37	<0.40	<0.41
2,4-Dichlorophenol	mg/kg	<0.39	<0.51	<0.39	<0.39	<0.39	<0.36	<0.39	<0.38	<0.41	<0.38	<0.40	<0.37	<0.40	<0.41
2,4-Dimethylphenol	mg/kg	<0.39	<0.51	<0.39	<0.39	<0.39	<0.36	<0.39	<0.38	<0.41	<0.38	<0.40	<0.37	<0.40	<0.41
2,4-Dinitrophenol	mg/kg	<2.0	<2.6	<2.0	<1.9	<2.0	<1.8	<2.0	<1.9	<2.1	<1.9	<2.0	<1.8	<2.0	<2.0
2,4-Dinitrotoluene	mg/kg	<0.39	<0.51	<0.39	<0.39	<0.39	<0.36	<0.39	<0.38	<0.41	<0.38	<0.40	<0.37	<0.40	<0.41
2,6-Dichlorophenol	mg/kg	<0.39	<0.51	<0.39	<0.39	<0.39	<0.36	<0.39	<0.38	<0.41	<0.38	<0.40	<0.37	<0.40	<0.41
2,6-Dinitrotoluene	mg/kg	<0.39	<0.51	<0.39	<0.39	<0.39	<0.36	<0.39	<0.38	<0.41	<0.38	<0.40	<0.37	<0.40	<0.41
2-Acetylaminofluorene	mg/kg	<0.39	<0.51	<0.39	<0.39	<0.39	<0.36	<0.39	<0.38	<0.41	<0.38	<0.40	<0.37	<0.40	<0.41
2-Chloronaphthalene	mg/kg	<0.39	<0.51	<0.39	<0.39	<0.39	<0.36	<0.39	<0.38	<0.41	<0.38	<0.40	<0.37	<0.40	<0.41
2-Chlorophenol	mg/kg	<0.39	<0.51	<0.39	<0.39	<0.39	<0.36	<0.39	<0.38	<0.41	<0.38	<0.40	<0.37	<0.40	<0.41
2-Methylnaphthalene	mg/kg	<b>7.3</b>	<0.31	<b>0.53</b>	<b>14</b>	<b>4</b>	<0.22	<0.24	<0.23	<0.25	<0.23	<0.24	<0.22	<0.24	<0.25
2-Methylphenol	mg/kg	<0.39	<0.51	<0.39	<0.39	<0.39	<0.36	<0.39	<0.38	<0.41	<0.38	<0.40	<0.37	<0.40	<0.41
2-Naphthylamine	mg/kg	<0.39	<0.51	<0.39	<0.39	<0.39	<0.36	<0.39	<0.38	<0.41	<0.38	<0.40	<0.37	<0.40	<0.41
2-Nitroaniline	mg/kg	<2.0	<2.6	<2.0	<1.9	<2.0	<1.8	<2.0	<1.9	<2.1	<1.9	<2.0	<1.8	<2.0	<2.0
2-Nitrophenol	mg/kg	<0.39	<0.51	<0.39	<0.39	<0.39	<0.36	<0.39	<0.38	<0.41	<0.38	<0.40	<0.37	<0.40	<0.41
2-Picoline	mg/kg	<0.39	<0.51	<0.39	<0.39	<0.39	<0.36	<0.39	<0.38	<0.41	<0.38	<0.40	<0.37	<0.40	<0.41
3&4-Methylphenol	mg/kg	<0.39	<0.51	<0.39	<0.39	<0.39	<0.36	<0.39	<0.38	<0.41	<0.38	<0.40	<0.37	<0.40	<0.41
3,3'-Dichlorobenzidine	mg/kg	<0.78	<1.0	<0.78	<0.78	<0.79	<0.73	<0.79	<0.76	<0.83	<0.76	<0.80	<0.74	<0.80	<0.82
3-Methylcholanthrene	mg/kg	<0.39	<0.51	<0.39	<0.39	<0.39	<0.36	<0.39	<0.38	<0.41	<0.38	<0.40	<0.37	<0.40	<0.41
3-Nitroaniline	mg/kg	<2.0	<2.6	<2.0	<1.9	<2.0	<1.8	<2.0	<1.9	<2.1	<1.9	<2.0	<1.8	<2.0	<2.0
4,6-Dinitro-2-methylphenol	mg/kg	<2.0	<2.6	<2.0	<1.9	<2.0	<1.8	<2.0	<1.9	<2.1	<1.9	<2.0	<1.8	<2.0	<2.0
4-Aminobiphenyl	mg/kg	<0.78	<1.0	<0.78	<0.78	<0.79	<0.73	<0.79	<0.76	<0.83	<0.76	<0.80	<0.74	<0.80	<0.82
4-Bromophenyl phenyl ether	mg/kg	<0.39	<0.51	<0.39	<0.39	<0.39	<0.36	<0.39	<0.38	<0.41	<0.38	<0.40	<0.37	<0.40	<0.41
4-Chloro-3-methylphenol	mg/kg	<0.78	<1.0	<0.78	<0.78	<0.79	<0.73	<0.79	<0.76	<0.83	<0.76	<0.80	<0.74	<0.80	<0.82
4-Chloroaniline	mg/kg	<0.78	<1.0	<0.78	<0.78	<0.79	<0.73	<0.79	<0.76	<0.83	<0.76	<0.80	<0.74	<0.80	<0.82
4-Chlorophenyl phenyl ether	mg/kg	<0.39	<0.51	<0.39	<0.39	<0.39	<0.36	<0.39	<0.38	<0.41	<0.38	<0.40	<0.37	<0.40	<0.41
4-Nitroaniline	mg/kg	<0.78	<1.0	<0.78	<0.78	<0.79	<0.73	<0.79	<0.76	<0.83	<0.76	<0.80	<0.74	<0.80	<0.82
4-Nitrophenol	mg/kg	<2.0	<2.6	<2.0	<1.9	<2.0	<1.8	<2.0	<1.9	<2.1	<1.9	<2.0	<1.8	<2.0	<2.0
4-Nitroquinoline 1-oxide	mg/kg	<2.0	<2.6	<2.0	<1.9	<2.0	<1.8	<2.0	<1.9	<2.1	<1.9	<2.0	<1.8	<2.0	<2.0

Partners Environmental Consulting, Inc.

Sample ID (Depth <sup>1</sup> )		MW-08 (6-8 FT)	MW-09 (4-6 FT)	MW-09 (6--8 FT)	MW-10 (6-8 FT)	MW-10 (8-10 FT)	MW-11 (0-2 FT)	MW-11 (8-10 FT)	SB-38 4-6 FT)	SB-38 (6-8 FT)	SB-39 (4-6 FT)	SB-39 (6-8 FT)	SB-40 (2-4 FT)	SB-40 (4-6 FT)	DUP-24
Collection Date		6/17/2024	6/17/2024	6/17/2024	6/18/2024	6/18/2024	6/18/2024	6/18/2024	6/17/2024	6/17/2024	6/17/2024	6/17/2024	6/17/2024	6/17/2024	6/17/2024
Parameter	Units <sup>2</sup>														
5-Nitro-o-toluidine	mg/kg	<0.39	<0.51	<0.39	<0.39	<0.39	<0.36	<0.39	<0.38	<0.41	<0.38	<0.40	<0.37	<0.40	<0.41
7,12-Dimethylbenz(a)anthracene	mg/kg	<0.39	<0.51	<0.39	<0.39	<0.39	<0.36	<0.39	<0.38	<0.41	<0.38	<0.40	<0.37	<0.40	<0.41
Acenaphthene	mg/kg	<b>0.52</b>	<0.31	<0.24	<0.24	<0.24	<0.22	<0.24	<0.23	<0.25	<0.23	<0.24	<0.22	<0.24	<0.25
Acenaphthylene	mg/kg	<0.24	<0.31	<0.24	<0.24	<0.24	<0.22	<0.24	<0.23	<0.25	<0.23	<0.24	<0.22	<0.24	<0.25
Acetophenone	mg/kg	<0.39	<0.51	<0.39	<0.39	<0.39	<0.36	<0.39	<0.38	<0.41	<0.38	<0.40	<0.37	<0.40	<0.41
Aniline	mg/kg	<0.39	<0.51	<0.39	<0.39	<0.39	<0.36	<0.39	<0.38	<0.41	<0.38	<0.40	<0.37	<0.40	<0.41
Anthracene	mg/kg	<0.24	<0.31	<0.24	<0.24	<0.24	<0.22	<0.24	<0.23	<0.25	<0.23	<0.24	<0.22	<0.24	<0.25
Azobenzene	mg/kg	<0.39	<0.51	<0.39	<0.39	<0.39	<0.36	<0.39	<0.38	<0.41	<0.38	<0.40	<0.37	<0.40	<0.41
Benzidine	mg/kg	<0.39	<0.51	<0.39	<0.39	<0.39	<0.36	<0.39	<0.38	<0.41	<0.38	<0.40	<0.37	<0.40	<0.41
Benzo(a)anthracene	mg/kg	<0.12	<0.15	<0.12	<0.12	<0.12	<0.11	<0.12	<0.12	<0.13	<0.11	<0.12	<0.11	<0.12	<0.12
Benzo(a)pyrene	mg/kg	<0.12	<0.15	<0.12	<0.12	<0.12	<0.11	<0.12	<0.12	<0.13	<0.11	<0.12	<0.11	<0.12	<0.12
Benzo(b)fluoranthene	mg/kg	<0.24	<0.31	<0.24	<0.24	<0.24	<0.22	<0.24	<0.23	<0.25	<0.23	<0.24	<0.22	<0.24	<0.25
Benzo(g,h,i)perylene	mg/kg	<0.24	<0.31	<0.24	<0.24	<0.24	<0.22	<0.24	<0.23	<0.25	<0.23	<0.24	<0.22	<0.24	<0.25
Benzo(k)fluoranthene	mg/kg	<0.24	<0.31	<0.24	<0.24	<0.24	<0.22	<0.24	<0.23	<0.25	<0.23	<0.24	<0.22	<0.24	<0.25
Benzyl alcohol	mg/kg	<0.78	<1.0	<0.78	<0.78	<0.79	<0.73	<0.79	<0.76	<0.83	<0.76	<0.80	<0.74	<0.80	<0.82
Bis(2-chloroethoxy)methane	mg/kg	<0.39	<0.51	<0.39	<0.39	<0.39	<0.36	<0.39	<0.38	<0.41	<0.38	<0.40	<0.37	<0.40	<0.41
Bis(2-chloroethyl)ether	mg/kg	<0.39	<0.51	<0.39	<0.39	<0.39	<0.36	<0.39	<0.38	<0.41	<0.38	<0.40	<0.37	<0.40	<0.41
Bis(2-chloroisopropyl)ether	mg/kg	<0.39	<0.51	<0.39	<0.39	<0.39	<0.36	<0.39	<0.38	<0.41	<0.38	<0.40	<0.37	<0.40	<0.41
Bis(2-ethylhexyl)phthalate	mg/kg	<0.39	<0.51	<0.39	<0.39	<0.39	<0.36	<0.39	<0.38	<0.41	<0.38	<0.40	<0.37	<0.40	<0.41
Butyl benzyl phthalate	mg/kg	<0.39	<0.51	<0.39	<0.39	<0.39	<0.36	<0.39	<0.38	<0.41	<0.38	<0.40	<0.37	<0.40	<0.41
Carbazole	mg/kg	<0.24	<0.31	<0.24	<0.24	<0.24	<0.22	<0.24	<0.23	<0.25	<0.23	<0.24	<0.22	<0.24	<0.25
Chrysene	mg/kg	<0.24	<0.31	<0.24	<0.24	<0.24	<0.22	<0.24	<0.23	<0.25	<0.23	<0.24	<0.22	<0.24	<0.25
Di-n-butyl phthalate	mg/kg	<0.39	<0.51	<0.39	<0.39	<0.39	<0.36	<0.39	<0.38	<0.41	<0.38	<0.40	<0.37	<0.40	<0.41
Di-n-octyl phthalate	mg/kg	<0.39	<0.51	<0.39	<0.39	<0.39	<0.36	<0.39	<0.38	<0.41	<0.38	<0.40	<0.37	<0.40	<0.41
Dibenzo(a,h)anthracene	mg/kg	<0.12	<0.15	<0.12	<0.12	<0.12	<0.11	<0.12	<0.12	<0.13	<0.11	<0.12	<0.11	<0.12	<0.12
Dibenzofuran	mg/kg	<b>0.32</b>	<0.31	<0.24	<0.24	<0.24	<0.22	<0.24	<0.23	<0.25	<0.23	<0.24	<0.22	<0.24	<0.25
Diethyl phthalate	mg/kg	<0.39	<0.51	<0.39	<0.39	<0.39	<0.36	<0.39	<0.38	<0.41	<0.38	<0.40	<0.37	<0.40	<0.41
Dimethyl phthalate	mg/kg	<0.39	<0.51	<0.39	<0.39	<0.39	<0.36	<0.39	<0.38	<0.41	<0.38	<0.40	<0.37	<0.40	<0.41
1,4-Dioxane	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dinoseb	mg/kg	<0.39	<0.51	<0.39	<0.39	<0.39	<0.36	<0.39	<0.38	<0.41	<0.38	<0.40	<0.37	<0.40	<0.41
Diphenylamine	mg/kg	<0.39	<0.51	<0.39	<0.39	<0.39	<0.36	<0.39	<0.38	<0.41	<0.38	<0.40	<0.37	<0.40	<0.41
Ethyl methanesulfonate	mg/kg	<0.39	<0.51	<0.39	<0.39	<0.39	<0.36	<0.39	<0.38	<0.41	<0.38	<0.40	<0.37	<0.40	<0.41
Fluoranthene	mg/kg	<0.24	<0.31	<0.24	<0.24	<0.24	<0.22	<0.24	<0.23	<0.25	<0.23	<0.24	<0.22	<0.24	<0.25
Fluorene	mg/kg	<b>0.63</b>	<0.31	<0.24	<0.24	<0.24	<0.22	<0.24	<0.23	<0.25	<0.23	<0.24	<0.22	<0.24	<0.25
Hexachlorobenzene	mg/kg	<0.39	<0.51	<0.39	<0.39	<0.39	<0.36	<0.39	<0.38	<0.41	<0.38	<0.40	<0.37	<0.40	<0.41

**Table 3**  
**Summary of SVOCs in Soil**  
**Former Leake Oil**  
**448 E. Taggart Street, East Palestine, OH**

Sample ID (Depth <sup>1</sup> )		IA-04													
		SB-23 (4-6 FT)	SB-23 (8-10 FT)	SB-24 (4-6 FT)	SB-24 (6-8 FT)	SB-25 (4-6 FT)	SB-25 (6-8 FT)	SB-26 (4-6 FT)	SB-26 (8-10 FT)	DUP6524 (SB-26 [8-10])	SB-27 (4-6 FT)	SB-27 (6-8 FT)	SB-28 (4-6 FT)	SB-28 (6-8 FT)	SB-29 (2-4 FT)
Collection Date		6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/7/2024
Parameter	Units <sup>2</sup>														
<b>Semi-Volatile Organic Compounds - SVOCs</b>															
1,2,4,5-Tetrachlorobenzene	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
1,2,4-Trichlorobenzene	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
1,2-Dichlorobenzene	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
1,3-Dichlorobenzene	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
1,3-Dinitrobenzene	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
1,4-Dichlorobenzene	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
1-Methylnaphthalene	mg/kg	<b>1.1</b>	<b>0.056</b>	<b>0.29</b>	<b>0.48</b>	<b>0.0024J</b>	<b>0.069</b>	<b>0.0069</b>	<b>0.11</b>	<b>0.91</b>	<b>0.027</b>	0.0011U	<b>2.7</b>	<b>1.3</b>	<b>0.012</b>
1-Naphthylamine	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2,3,4,6-Tetrachlorophenol	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2,4,5-Trichlorophenol	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2,4,6-Trichlorophenol	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2,4-Dichlorophenol	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2,4-Dimethylphenol	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2,4-Dinitrophenol	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2,4-Dinitrotoluene	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2,6-Dichlorophenol	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2,6-Dinitrotoluene	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2-Acetylaminofluorene	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2-Chloronaphthalene	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2-Chlorophenol	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2-Methylnaphthalene	mg/kg	<b>1.8</b>	<b>0.055</b>	<b>0.14</b>	<b>0.22</b>	<b>0.0043J</b>	<b>0.083</b>	<b>0.0059</b>	<b>0.10</b>	<b>1.3</b>	<b>0.047</b>	0.0016U	<b>4.2</b>	<b>1.8</b>	<b>0.014</b>
2-Methylphenol	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2-Naphthylamine	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2-Nitroaniline	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2-Nitrophenol	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2-Picoline	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
3&4-Methylphenol	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
3,3'-Dichlorobenzidine	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
3-Methylcholanthrene	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
3-Nitroaniline	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
4,6-Dinitro-2-methylphenol	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
4-Aminobiphenyl	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
4-Bromophenyl phenyl ether	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
4-Chloro-3-methylphenol	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
4-Chloroaniline	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
4-Chlorophenyl phenyl ether	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
4-Nitroaniline	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
4-Nitrophenol	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
4-Nitroquinoline 1-oxide	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT

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Sample ID (Depth <sup>1</sup> )		SB-23 (4-6 FT)	SB-23 (8-10 FT)	SB-24 (4-6 FT)	SB-24 (6-8 FT)	SB-25 (4-6 FT)	SB-25 (6-8 FT)	SB-26 (4-6 FT)	SB-26 (8-10 FT)	DUP6524 (SB-26 [8-10])	SB-27 (4-6 FT)	SB-27 (6-8 FT)	SB-28 (4-6 FT)	SB-28 (6-8 FT)	SB-29 (2-4 FT)
Collection Date		6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/7/2024
Parameter	Units <sup>2</sup>														
5-Nitro-o-toluidine	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
7,12-Dimethylbenz(a)anthracene	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Acenaphthene	mg/kg	<b>0.13</b>	0.0010U	0.0011U	0.00095U	0.00099U	0.0011U	0.00096U	0.0010U	0.0011U	<b>0.021</b>	0.0011U	0.0010U	0.0011U	0.0010U
Acenaphthylene	mg/kg	0.00097U	0.0010U	0.0011U	0.00095U	0.00099U	0.0011U	0.00096U	0.0010U	0.0011U	0.0011U	0.0011U	0.0010U	0.0011U	<b>0.0043J</b>
Acetophenone	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Aniline	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Anthracene	mg/kg	<b>0.039</b>	0.00090U	0.00099U	<b>0.0022J</b>	0.00088U	0.0010U	0.00085U	0.00093U	0.00097U	<b>0.0039J</b>	0.00096U	<b>0.076</b>	<b>0.043</b>	<b>0.0032J</b>
Azobenzene	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Benzidine	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Benzo(a)anthracene	mg/kg	<b>0.0054</b>	<b>0.0057</b>	0.0044J	<b>0.0092</b>	0.00088U	<b>0.0053J</b>	0.00085U	<b>0.014</b>	<b>0.041</b>	<b>0.0031J</b>	0.00096U	0.00089U	<b>0.013</b>	<b>0.011</b>
Benzo(a)pyrene	mg/kg	0.00086U	0.00090U	0.0047J	<b>0.0054</b>	0.00088U	<b>0.0041J</b>	0.00085U	<b>0.012</b>	<b>0.030</b>	<b>0.0039J</b>	0.00096U	0.00089U	0.00098U	<b>0.015</b>
Benzo(b)fluoranthene	mg/kg	<b>0.0098</b>	<b>0.012</b>	<b>0.012</b>	<b>0.011</b>	0.00088U	<b>0.0050J</b>	0.00085U	<b>0.025</b>	<b>0.060</b>	<b>0.0053J</b>	0.00096U	0.00089U	0.00098U	<b>0.014</b>
Benzo(g,h,i)perylene	mg/kg	<b>0.0093</b>	<b>0.017</b>	<b>0.011</b>	<b>0.014</b>	0.0011U	<b>0.0064</b>	0.0011U	<b>0.042</b>	<b>0.075</b>	<b>0.0062</b>	0.0012U	<b>0.0058</b>	<b>0.0053J</b>	<b>0.014</b>
Benzo(k)fluoranthene	mg/kg	<b>0.0048J</b>	<b>0.0049J</b>	<b>0.0084</b>	<b>0.0055</b>	0.00099U	<b>0.0038J</b>	0.00096U	<b>0.012</b>	<b>0.028</b>	<b>0.0047J</b>	0.0011U	0.0010U	0.0011U	<b>0.013</b>
Benzyl alcohol	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Bis(2-chloroethoxy)methane	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Bis(2-chloroethyl)ether	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Bis(2-chloroisopropyl)ether	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Bis(2-ethylhexyl)phthalate	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Butyl benzyl phthalate	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Carbazole	mg/kg	0.018U	0.019U	0.021U	0.018U	0.019U	0.021U	0.018U	0.020U	<b>0.023J</b>	0.020U	0.020U	0.019U	0.021U	0.019U
Chrysene	mg/kg	<b>0.014</b>	<b>0.016</b>	<b>0.011</b>	<b>0.022</b>	0.00099U	<b>0.0087</b>	0.00096U	<b>0.036</b>	<b>0.094</b>	<b>0.0040J</b>	0.0011U	<b>0.12</b>	<b>0.060</b>	<b>0.013</b>
Di-n-butyl phthalate	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Di-n-octyl phthalate	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dibenzo(a,h)anthracene	mg/kg	0.00075U	<b>0.0028J</b>	0.00086U	<b>0.0029J</b>	0.00077U	0.00087U	0.00074U	<b>0.0069</b>	<b>0.022</b>	<b>0.0048J</b>	0.00084U	0.00078U	0.00086U	<b>0.0028J</b>
Dibenzofuran	mg/kg	<b>0.059J</b>	0.019U	0.021U	0.018U	0.019U	<b>0.031J</b>	0.018U	<b>0.023J</b>	<b>0.26</b>	<b>0.021J</b>	0.020U	<b>0.14</b>	<b>0.069J</b>	0.019U
Diethyl phthalate	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dimethyl phthalate	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
1,4-Dioxane	mg/kg	0.0027U	0.0028U	0.0031U	0.0026U	0.0028U	0.0031U	0.0027U	0.0029U	0.0030U	0.0029U	0.0030U	0.0028U	0.0031U	0.0028U
Dinoseb	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Diphenylamine	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Ethyl methanesulfonate	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Fluoranthene	mg/kg	<b>0.020</b>	<b>0.012</b>	<b>0.014</b>	<b>0.017</b>	0.00099U	<b>0.012</b>	0.00096U	<b>0.046</b>	<b>0.090</b>	<b>0.0093</b>	0.0011U	<b>0.090</b>	<b>0.055</b>	<b>0.026</b>
Fluorene	mg/kg	<b>0.20</b>	0.0011U	<b>0.0035J</b>	<b>0.0051J</b>	0.0011U	<b>0.0033J</b>	<b>0.0022J</b>	<b>0.0026J</b>	<b>0.030</b>	<b>0.014</b>	0.0012U	<b>0.32</b>	<b>0.14</b>	<b>0.0025J</b>
Hexachlorobenzene	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT



**Table 3**  
**Summary of SVOCs in Soil**  
**Former Leake Oil**  
**448 E. Taggart Street, East Palestine, O**

Sample ID (Depth <sup>1</sup> )		SB-29 (4-6 FT)	SB-30 (4-6 FT)	SB-30 (6-8 FT)	SB-31 (2-4 FT)	SB-31 (6-8 FT)	DUP 6724 (SB-31 (6-8))
Collection Date		6/7/2024	6/7/2024	6/7/2024	6/7/2024	6/7/2024	6/7/2024
Parameter	Units <sup>2</sup>						
<b>Semi-Volatile Organic Compounds - SVOCs</b>							
1,2,4,5-Tetrachlorobenzene	mg/kg	NT	NT	NT	NT	NT	NT
1,2,4-Trichlorobenzene	mg/kg	NT	NT	NT	NT	NT	NT
1,2-Dichlorobenzene	mg/kg	NT	NT	NT	NT	NT	NT
1,3-Dichlorobenzene	mg/kg	NT	NT	NT	NT	NT	NT
1,3-Dinitrobenzene	mg/kg	NT	NT	NT	NT	NT	NT
1,4-Dichlorobenzene	mg/kg	NT	NT	NT	NT	NT	NT
1-Methylnaphthalene	mg/kg	<b>0.0068</b>	<b>0.063</b>	<b>0.16</b>	<b>0.20</b>	<b>0.046</b>	<b>0.018</b>
1-Naphthylamine	mg/kg	NT	NT	NT	NT	NT	NT
2,3,4,6-Tetrachlorophenol	mg/kg	NT	NT	NT	NT	NT	NT
2,4,5-Trichlorophenol	mg/kg	NT	NT	NT	NT	NT	NT
2,4,6-Trichlorophenol	mg/kg	NT	NT	NT	NT	NT	NT
2,4-Dichlorophenol	mg/kg	NT	NT	NT	NT	NT	NT
2,4-Dimethylphenol	mg/kg	NT	NT	NT	NT	NT	NT
2,4-Dinitrophenol	mg/kg	NT	NT	NT	NT	NT	NT
2,4-Dinitrotoluene	mg/kg	NT	NT	NT	NT	NT	NT
2,6-Dichlorophenol	mg/kg	NT	NT	NT	NT	NT	NT
2,6-Dinitrotoluene	mg/kg	NT	NT	NT	NT	NT	NT
2-Acetylaminofluorene	mg/kg	NT	NT	NT	NT	NT	NT
2-Chloronaphthalene	mg/kg	NT	NT	NT	NT	NT	NT
2-Chlorophenol	mg/kg	NT	NT	NT	NT	NT	NT
2-Methylnaphthalene	mg/kg	<b>0.0084</b>	<b>0.047</b>	<b>0.073</b>	<b>0.35</b>	<b>0.015</b>	<b>0.0080</b>
2-Methylphenol	mg/kg	NT	NT	NT	NT	NT	NT
2-Naphthylamine	mg/kg	NT	NT	NT	NT	NT	NT
2-Nitroaniline	mg/kg	NT	NT	NT	NT	NT	NT
2-Nitrophenol	mg/kg	NT	NT	NT	NT	NT	NT
2-Picoline	mg/kg	NT	NT	NT	NT	NT	NT
3&4-Methylphenol	mg/kg	NT	NT	NT	NT	NT	NT
3,3'-Dichlorobenzidine	mg/kg	NT	NT	NT	NT	NT	NT
3-Methylcholanthrene	mg/kg	NT	NT	NT	NT	NT	NT
3-Nitroaniline	mg/kg	NT	NT	NT	NT	NT	NT
4,6-Dinitro-2-methylphenol	mg/kg	NT	NT	NT	NT	NT	NT
4-Aminobiphenyl	mg/kg	NT	NT	NT	NT	NT	NT
4-Bromophenyl phenyl ether	mg/kg	NT	NT	NT	NT	NT	NT
4-Chloro-3-methylphenol	mg/kg	NT	NT	NT	NT	NT	NT
4-Chloroaniline	mg/kg	NT	NT	NT	NT	NT	NT
4-Chlorophenyl phenyl ether	mg/kg	NT	NT	NT	NT	NT	NT
4-Nitroaniline	mg/kg	NT	NT	NT	NT	NT	NT
4-Nitrophenol	mg/kg	NT	NT	NT	NT	NT	NT
4-Nitroquinoline 1-oxide	mg/kg	NT	NT	NT	NT	NT	NT

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Sample ID (Depth <sup>1</sup> )		SB-29 (4-6 FT)	SB-30 (4-6 FT)	SB-30 (6-8 FT)	SB-31 (2-4 FT)	SB-31 (6-8 FT)	DUP 6724 (SB-31 (6-8))
Collection Date		6/7/2024	6/7/2024	6/7/2024	6/7/2024	6/7/2024	6/7/2024
Parameter	Units <sup>2</sup>						
5-Nitro-o-toluidine	mg/kg	NT	NT	NT	NT	NT	NT
7,12-Dimethylbenz(a)anthracene	mg/kg	NT	NT	NT	NT	NT	NT
Acenaphthene	mg/kg	0.00093U	0.0011U	<b>0.016</b>	0.0011U	<b>0.0061J</b>	<b>0.0040J</b>
Acenaphthylene	mg/kg	0.00093U	<b>0.0030J</b>	<b>0.0094</b>	0.0011U	0.0011U	0.0010U
Acetophenone	mg/kg	NT	NT	NT	NT	NT	NT
Aniline	mg/kg	NT	NT	NT	NT	NT	NT
Anthracene	mg/kg	0.00082U	<b>0.0036J</b>	<b>0.0090</b>	<b>0.0046J</b>	0.00098U	0.00092U
Azobenzene	mg/kg	NT	NT	NT	NT	NT	NT
Benzidine	mg/kg	NT	NT	NT	NT	NT	NT
Benzo(a)anthracene	mg/kg	0.00082U	<b>0.0063J</b>	<b>0.0054J</b>	<b>0.0047J</b>	0.00098U	0.00092U
Benzo(a)pyrene	mg/kg	0.00082U	0.0010U	0.00091U	0.0010U	0.00098U	0.00092U
Benzo(b)fluoranthene	mg/kg	0.00082U	<b>0.0087</b>	<b>0.0065</b>	<b>0.0067</b>	0.00098U	0.00092U
Benzo(g,h,i)perylene	mg/kg	0.0010U	<b>0.013</b>	<b>0.0090</b>	<b>0.0055J</b>	0.0012U	0.0011U
Benzo(k)fluoranthene	mg/kg	0.00093U	<b>0.0055J</b>	0.0010U	<b>0.0053J</b>	0.0011U	0.0010U
Benzyl alcohol	mg/kg	NT	NT	NT	NT	NT	NT
Bis(2-chloroethoxy)methane	mg/kg	NT	NT	NT	NT	NT	NT
Bis(2-chloroethyl)ether	mg/kg	NT	NT	NT	NT	NT	NT
Bis(2-chloroisopropyl)ether	mg/kg	NT	NT	NT	NT	NT	NT
Bis(2-ethylhexyl)phthalate	mg/kg	NT	NT	NT	NT	NT	NT
Butyl benzyl phthalate	mg/kg	NT	NT	NT	NT	NT	NT
Carbazole	mg/kg	0.017U	0.022U	0.019U	0.022U	0.021U	0.019U
Chrysene	mg/kg	<b>0.0039J</b>	<b>0.014</b>	<b>0.012</b>	<b>0.010</b>	0.0011U	0.0010U
Di-n-butyl phthalate	mg/kg	NT	NT	NT	NT	NT	NT
Di-n-octyl phthalate	mg/kg	NT	NT	NT	NT	NT	NT
Dibenzo(a,h)anthracene	mg/kg	0.00072U	0.00089U	0.00079U	0.00089U	0.00086U	0.00080U
Dibenzofuran	mg/kg	0.017U	0.022U	<b>0.029J</b>	0.022U	0.021U	0.019U
Diethyl phthalate	mg/kg	NT	NT	NT	NT	NT	NT
Dimethyl phthalate	mg/kg	NT	NT	NT	NT	NT	NT
1,4-Dioxane	mg/kg	0.0026U	0.0032U	0.0028U	0.0032U	0.0031U	0.0029U
Dinoseb	mg/kg	NT	NT	NT	NT	NT	NT
Diphenylamine	mg/kg	NT	NT	NT	NT	NT	NT
Ethyl methanesulfonate	mg/kg	NT	NT	NT	NT	NT	NT
Fluoranthene	mg/kg	<b>0.0021J</b>	<b>0.011</b>	<b>0.010</b>	<b>0.019</b>	0.0011U	0.0010U
Fluorene	mg/kg	0.0010U	<b>0.0077</b>	<b>0.023</b>	<b>0.016</b>	0.0012U	0.0011U
Hexachlorobenzene	mg/kg	NT	NT	NT	NT	NT	NT

**Table 4  
Summary of Lead and TPH in Soil  
Former Leake Oil**

**448 E. Taggart Street, East Palestine, Ohio**

Sample ID (Depth <sup>1</sup> )		VAP Standards		BUSTR <sup>5</sup>	IA-01													
					SB-01 (2-4 FT)	SB-01 (16-18 FT)	SB-05 (0-2 FT)	SB-05 (10-12FT)	SB-18 (0-2 FT)	SB-18 (2-4 FT)	SB-19 (2-4 FT)	SB-19 (4-6 FT)	MW-01 (2-4 FT)	MW-01 (4-6 FT)	SB-04 (2-4 FT)	SB-04 (6-8 FT)	SB-09 (4-6 FT)	DUP 6324 (SB-09 4-6 FT)
Collect Date		GDCS Commercial & Industrial Land Use <sup>3</sup>	GDCS Construction & Excavation Activities <sup>4</sup>	Closure Action Levels	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/3/2024	6/3/2024	6/3/2024	6/3/2024
Parameter	Units <sup>2</sup>																	
<b>Lead</b>																		
Lead	mg/kg	800	400	NE	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
<b>Total Petroleum Hydrocarbons-TPH</b>																		
TPH GRO	mg/kg	NE		1,000 <sup>10</sup>	2.0U	2.1U	<b>14.9</b>	1.8U	<b>10.3J</b>	2.1U	2.2U	2.2U	2.2U	2.4U	<b>3.9J</b>	<b>6.6J</b>	<b>300</b>	<b>90.2</b>
TPH DRO	mg/kg		2,000 <sup>10</sup>	<b>8.9J</b>	<b>7.0J</b>	<b>275</b>	<b>25.5</b>	<b>580</b>	<b>6.3J</b>	<b>7.0J</b>	<b>4.1J</b>	<b>6.1J</b>	<b>12.8J</b>	<b>17.1</b>	<b>165</b>	<b>206</b>	<b>303</b>	
TPH C20-C34	mg/kg		5,000 <sup>10</sup>	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT

**Notes**

1. FT - Feet below grade
  2. mg/kg = Milligrams per kilogram - parts per million (ppm)
  3. Ohio EPA Voluntary Action Program (VAP) Generic Direct Contact Standard (GDCS) for Residential Land Use, OAC 3745-300-08 (C)(3)(b).
  4. Ohio EPA Voluntary Action Program (VAP) Generic Direct Contact Standard (GDCS) for Construction and Excavation Activities, OAC 3745-300-08 (C)(3)(d).
  5. BUSTR Action Levels defined in OAC 1301: 7-9-13, as required by OAC 3745-300-08(B)(3), Sand and Gravel, Unknown Soil Type.
- NE: Not Established (No Regulatory Limits Under the VAP Have Been Established for the Specific Compound).  
 J = Analyte is present at an estimated concentration between the Method Detection Limit and Report Limit.  
 U = Analyte is below laboratory reporting limits.  
 NT = Sample not tested for the analytical method.  
**Bold** numbers indicate a concentration above laboratory detection limits.  
**Bold and shaded** numbers indicate a detected concentration above a comparison standard.  
*Regulatory standards cited are for comparison only. Cited standards assume residential use and Soil Class 1.*

**Table 4**  
**Summary of Lead and TPH in Soil**  
**Former Leake Oil**  
**448 E. Taggart Street, East Palestine, Ohio**

Sample ID (Depth <sup>1</sup> )		VAP Standards		BUSTR <sup>5</sup>	SB-09 (10-12 FT)	SB-11 (4-6 FT)	SB-11 (8-10 FT)	SB-13 (8-10 FT)	SB-13 (10-12 FT)	SB-14 (6-8 FT)	DUP6424 (SB-14 6- 8)	SB-14 (10-12 FT)	SB-15 (6-8 FT)	SB-15 (16-18 FT)	SB-16 ( 8- 10 FT)	SB-16 (10- 12 FT)	SB-17 (6-8 FT)	SB-17 (8- 10 FT)	
Collect Date		GDCS Commercial & Industrial Land Use <sup>3</sup>	GDCS Construction & Excavation Activities <sup>4</sup>	Closure Action Levels	6/3/2024	6/3/2024	6/3/2024	6/4/2024	6/4/2024	6/4/2024	6/4/2024	6/4/2024	6/3/2024	6/3/2024	6/3/2024	6/3/2024	6/4/2024	6/4/2024	
Parameter	Units <sup>2</sup>																		
<b>Lead</b>																			
Lead	mg/kg	800	400	NE	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
<b>Total Petroleum Hydrocarbons-TPH</b>																			
TPH GRO	mg/kg	NE		1,000 <sup>10</sup>	<b>5.9J</b>	<b>422</b>	<b>2.7J</b>	<b>1,350</b>	<b>3.0J</b>	<b>441</b>	<b>791</b>	<b>4.2J</b>	<b>60.6</b>	<b>2.0J</b>	<b>294</b>	<b>155</b>	<b>24.7</b>	<b>211</b>	
TPH DRO	mg/kg		2,000 <sup>10</sup>	<b>45.5</b>	<b>3,650</b>	<b>38.6</b>	NT	NT	<b>1,910</b>	<b>956</b>	<b>30.6</b>	<b>82.1</b>	<b>65.8</b>	<b>2,150</b>	<b>803</b>	<b>267</b>	<b>832</b>		
TPH C20-C34	mg/kg		5,000 <sup>10</sup>	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	

**Notes**

1. FT - Feet below grade
  2. mg/kg = Milligrams per kilogram - parts per million (ppm)
  3. Ohio EPA Voluntary Action Program (VAP) Generic Direct Contact Standard (GDCS) for Residential Land Use, C
  4. Ohio EPA Voluntary Action Program (VAP) Generic Direct Contact Standard (GDCS) for Construction and Excavation
  5. BUSTR Action Levels defined in OAC 1301: 7-9-13, as required by OAC 3745-300-08(B)(3), Sand and Gravel, NE: Not Established (No Regulatory Limits Under the VAP Have Been Established for the Specific Compound).
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NT = Sample not tested for the analytical method.  
**Bold** numbers indicate a concentration above laboratory detection limits.  
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*Regulatory standards cited are for comparison only. Cited standards assume residential use and Soil Class 1.*

**Table 4**  
**Summary of Lead and TPH in Soil**  
**Former Leake Oil**  
**448 E. Taggart Street, East Palestine, Ohio**

Sample ID (Depth <sup>1</sup> )		VAP Standards		BUSTR <sup>5</sup>	IA-02													
					MW-02 (6-8 FT)	MW-02 (10-12 FT)	MW-03 (6-8 FT)	MW-03 (8-10 FT)	MW-04 (6-8 FT)	MW-04 (10-12 FT)	MW-05 (4-6 FT)	MW-05 (6-8 FT)	MW-06 (4-6 FT)	MW-06 (10-12 FT)	SB-32 (0-2 FT)	SB-32 (2-4 FT)	SB-33 (0-2 FT)	SB-33 (2-4 FT)
Collect Date		GDCS Commercial & Industrial Land Use <sup>3</sup>	GDCS Construction & Excavation Activities <sup>4</sup>	Closure Action Levels	6/3/2024	6/3/2024	6/4/2024	6/4/2024	6/4/2024	6/4/2024	6/3/2024	6/3/2024	6/3/2024	6/3/2024	6/7/2024	6/7/2024	6/7/2024	6/7/2024
Parameter	Units <sup>2</sup>																	
<b>Lead</b>																		
Lead	mg/kg	800	400	NE	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
<b>Total Petroleum Hydrocarbons-TPH</b>																		
TPH GRO	mg/kg	NE		1,000 <sup>10</sup>	<b>229</b>	<b>211</b>	<b>219</b>	2.1U	<b>12.9</b>	<b>4.8J</b>	1.9U	<b>188</b>	<b>359</b>	2.0U	<b>5.9J</b>	<b>306</b>	<b>4.8J</b>	<b>2.6J</b>
TPH DRO	mg/kg			2,000 <sup>10</sup>	<b>328</b>	<b>714</b>	<b>1,200</b>	<b>28.2</b>	<b>24.3</b>	<b>27.0</b>	<b>12.7</b>	<b>1,580</b>	<b>614</b>	<b>26.4</b>	<b>267</b>	<b>618</b>	<b>9.8J</b>	<b>87.8</b>
TPH C20-C34	mg/kg			5,000 <sup>10</sup>	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT

**Notes**

- 1. FT - Feet below grade
- 2. mg/kg = Milligrams per kilogram - parts per million (ppm)
- 3. Ohio EPA Voluntary Action Program (VAP) Generic Direct Contact Standard (GDCS) for Residential Land Use, C
- 4. Ohio EPA Voluntary Action Program (VAP) Generic Direct Contact Standard (GDCS) for Construction and Excavation
- 5. BUSTR Action Levels defined in OAC 1301: 7-9-13, as required by OAC 3745-300-08(B)(3), Sand and Gravel, NE: Not Established (No Regulatory Limits Under the VAP Have Been Established for the Specific Compound).
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- U = Analyte is below laboratory reporting limits.
- NT = Sample not tested for the analytical method.
- Bold** numbers indicate a concentration above laboratory detection limits.
- Bold and shaded** numbers indicate a detected concentration above a comparison standard.
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**Table 4**  
**Summary of Lead and TPH in Soil**  
**Former Leake Oil**  
**448 E. Taggart Street, East Palestine, Ohio**

Sample ID (Depth <sup>1</sup> )		VAP Standards		BUSTR <sup>5</sup>	SB-34 (0-2 FT)	SB-34 (2-4 FT)	SB-35 (2-4 FT)	SB-35 (4-6 FT)	SB-36 (2-4 FT)	SB-36 (4-6 FT)	HA-01	HA-02	MW-07 (0-2 FT)	MW-07 (6-8 FT)	MW-08 (4-6 FT)	MW-08 (6-8 FT)	MW-09 (4-6 FT)	MW-09 (6-8 FT)	
Parameter	Units <sup>2</sup>	GDCS Commercial & Industrial Land Use <sup>3</sup>	GDCS Construction & Excavation Activities <sup>4</sup>	Closure Action Levels	6/7/2024	6/7/2024	6/7/2024	6/7/2024	6/7/2024	6/7/2024	6/3/2024	6/3/2024	6/17/2024	6/17/2024	6/17/2024	6/17/2024	6/17/2024	6/17/2024	
					<b>Lead</b>														
Lead	mg/kg	800	400	NE	NT	NT	NT	NT	NT	NT	80.4	NT	NT	NT	NT	NT	NT	NT	NT
<b>Total Petroleum Hydrocarbons-TPH</b>																			
TPH GRO	mg/kg	NE		1,000 <sup>10</sup>	9.9J	80.6	612	416	4.6J	454	NT	NT	<2.3	<2.5	68	98	3.3	6	
TPH DRO	mg/kg		2,000 <sup>10</sup>	101	194	290	185	5.8J	260	NT	352	<15	<17	2,100	270	<21	250		
TPH C20-C34	mg/kg		5,000 <sup>10</sup>	NT	NT	NT	NT	NT	NT	NT	NT	<15	<17	43	<16	<21	<16		

**Notes**

- 1. FT - Feet below grade
- 2. mg/kg = Milligrams per kilogram - parts per million (ppm)
- 3. Ohio EPA Voluntary Action Program (VAP) Generic Direct Contact Standard (GDCS) for Residential Land Use, C
- 4. Ohio EPA Voluntary Action Program (VAP) Generic Direct Contact Standard (GDCS) for Construction and Excavation
- 5. BUSTR Action Levels defined in OAC 1301: 7-9-13, as required by OAC 3745-300-08(B)(3), Sand and Gravel, NE: Not Established (No Regulatory Limits Under the VAP Have Been Established for the Specific Compound).
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**Table 4**  
**Summary of Lead and TPH in Soil**  
**Former Leake Oil**  
**448 E. Taggart Street, East Palestine, Ohio**

Sample ID (Depth <sup>1</sup> )		VAP Standards		BUSTR <sup>5</sup>	IA-03																
					MW-10 (6-8 FT)	MW-10 (8-10 FT)	MW-11 (0-2 FT)	MW-11 (8-10 FT)	SB-38 (4-6 FT)	SB-38 (6-8 FT)	SB-39 (4-6 FT)	SB-39 (6-8 FT)	SB-40 (2-4 FT)	SB-40 (4-6 FT)	HA-06 (0-2 FT)	HA-07 (0-2 FT)	HA-08 (0-2 FT)	HA-09 (0-2 FT)			
Collect Date	Parameter	Units <sup>2</sup>	GDCS Commercial & Industrial Land Use <sup>3</sup>	GDCS Construction & Excavation Activities <sup>4</sup>	Closure Action Levels	6/18/2024	6/18/2024	6/18/2024	6/18/2024	6/17/2024	6/17/2024	6/17/2024	6/17/2024	6/17/2024	6/17/2024	6/17/2024	6/17/2024	6/17/2024	6/17/2024		
<b>Lead</b>																					
Lead	mg/kg		800	400	NE	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	210	19	29	49	
<b>Total Petroleum Hydrocarbons-TPH</b>																					
TPH GRO	mg/kg		NE		1,000 <sup>10</sup>	960	360	<2.2	<2.4	4.6	2.8	<2.3	<2.4	<2.2	<2.4		NT	NT	NT	NT	
TPH DRO	mg/kg			2,000 <sup>10</sup>	740	580	<15	<16	120	<17	<15	<16	<15	<16	<15	<16		NT	NT	NT	NT
TPH C20-C34	mg/kg			5,000 <sup>10</sup>	<16	<16	<15	<16	<15	<17	<15	<16	<15	<16	<15	<16		NT	NT	NT	NT

**Notes**

1. FT - Feet below grade
2. mg/kg = Milligrams per kilogram - parts per million (ppm)
3. Ohio EPA Voluntary Action Program (VAP) Generic Direct Contact Standard (GDCS) for Residential Land Use, C
4. Ohio EPA Voluntary Action Program (VAP) Generic Direct Contact Standard (GDCS) for Construction and Excavation
5. BUSTR Action Levels defined in OAC 1301: 7-9-13, as required by OAC 3745-300-08(B)(3), Sand and Gravel, NE: Not Established (No Regulatory Limits Under the VAP Have Been Established for the Specific Compound).

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**Table 4  
Summary of Lead and TPH in Soil  
Former Leake Oil**

**448 E. Taggart Street, East Palestine, Ohio**

Sample ID (Depth <sup>1</sup> )		VAP Standards		BUSTR <sup>5</sup>	HA-10 (0-2 FT)	DUPHA-24 (HA-10)	HA-11 (0-2 FT)	HA-12 (0-2 FT)	HA-13 (0-2 FT)	SB-23 (4-6 FT)	SB-23 (8-10 FT)	SB-24 (4-6 FT)	SB-24 (6-8 FT)	SB-25 (4-6 FT)	SB-25 (6-8 FT)	SB-26 (4-6 FT)	SB-26 (8-10 FT)	DUP6524 (SB-26 [8-10])	
Collect Date		GDCS Commercial & Industrial Land Use <sup>3</sup>	GDCS Construction & Excavation Activities <sup>4</sup>	Closure Action Levels	6/17/2024	6/17/2024	6/17/2024	6/17/2024	6/17/2024	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/5/2024	
Parameter	Units <sup>2</sup>																		
<b>Lead</b>																			
Lead	mg/kg	800	400	NE	110	120	24	790	1,600	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
<b>Total Petroleum Hydrocarbons-TPH</b>																			
TPH GRO	mg/kg	NE		1,000 <sup>10</sup>	NT	NT	NT	NT	NT	117	4.0J	3.7J	5.8J	2.2J	2.3J	9.9J	1.9U	2.2U	
TPH DRO	mg/kg			2,000 <sup>10</sup>	NT	NT	NT	NT	NT	150	10.3J	24.7	24.5	4.7J	12.8J	9.6J	20.0	39.4	
TPH C20-C34	mg/kg			5,000 <sup>10</sup>	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT

**Notes**

- 1. FT - Feet below grade
- 2. mg/kg = Milligrams per kilogram - parts per million (ppm)
- 3. Ohio EPA Voluntary Action Program (VAP) Generic Direct Contact Standard (GDCS) for Residential Land Use, C
- 4. Ohio EPA Voluntary Action Program (VAP) Generic Direct Contact Standard (GDCS) for Construction and Excavation
- 5. BUSTR Action Levels defined in OAC 1301: 7-9-13, as required by OAC 3745-300-08(B)(3), Sand and Gravel, NE: Not Established (No Regulatory Limits Under the VAP Have Been Established for the Specific Compound).
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**Table 4**  
**Summary of Lead and TPH in Soil**  
**Former Leake Oil**  
**448 E. Taggart Street, East Palestine, Ohio**

Sample ID (Depth <sup>1</sup> )		VAP Standards		BUSTR <sup>5</sup>	IA-04												HA-03 (0-2 FT)	HA-04	HA-05		
					SB-27 (4-6 FT)	SB-27 (6-8 FT)	SB-28 (4-6 FT)	SB-28 (6-8 FT)	SB-29 (2-4 FT)	SB-29 (4-6 FT)	SB-30 (4-6 FT)	SB-30 (6-8 FT)	SB-31 (2-4 FT)	SB-31 (6-8 FT)	DUP 6724 (SB-31 (6-8))						
Collect Date	Parameter	Units <sup>2</sup>	GDCS Commercial & Industrial Land Use <sup>3</sup>	GDCS Construction & Excavation Activities <sup>4</sup>	Closure Action Levels	6/7/2024	6/7/2024	6/7/2024	6/7/2024	6/7/2024	6/7/2024	6/7/2024	6/7/2024	6/7/2024	6/7/2024	6/7/2024	6/7/2024	6/5/2024	6/8/2024	6/8/2024	
<b>Lead</b>																					
Lead	mg/kg		800	400	NE	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	1,010	19.0	479	
<b>Total Petroleum Hydrocarbons-TPH</b>																					
TPH GRO	mg/kg		NE		1,000 <sup>10</sup>	4.7J	9.0J	1,680	1,190	2.1U	2.3U	2.3J	36.2	37.1	4.1J	2.4J		NT	NT	NT	
TPH DRO	mg/kg			2,000 <sup>10</sup>	11.6J	10J	3,110	1,330	61.3	16.5	41.1	45.3	48.8	22.5	21.2		NT	110	734		
TPH C20-C34	mg/kg			5,000 <sup>10</sup>	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	

**Notes**

1. FT - Feet below grade
2. mg/kg = Milligrams per kilogram - parts per million (ppm)
3. Ohio EPA Voluntary Action Program (VAP) Generic Direct Contact Standard (GDCS) for Residential Land Use, C
4. Ohio EPA Voluntary Action Program (VAP) Generic Direct Contact Standard (GDCS) for Construction and Excavation
5. BUSTR Action Levels defined in OAC 1301: 7-9-13, as required by OAC 3745-300-08(B)(3), Sand and Gravel, NE: Not Established (No Regulatory Limits Under the VAP Have Been Established for the Specific Compound).

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**Table 5**  
**Summary of VOCs in Groundwater**  
**Former Leake Oil**  
**448 E. Taggart Road, East Palestine, Ohio**

Sample ID		VAP Standards		BUSTR <sup>5</sup>		MW-01	MW-01
Collection Date						6/18/2024	9/17/2024
Parameter	Units <sup>1</sup>	UPUS <sup>2</sup>	Commercial VISL <sup>3</sup>	Groundwater Ingestion <sup>6</sup>	Groundwater to Indoor Air <sup>7</sup>		
<b>Volatile Organic Compounds - VOCs</b>							
1,1,1,2-Tetrachloroethane	ug/l	5.7	400	NE	NE	<5.0	< 5.0
1,1,1-Trichloroethane	ug/l	200	57,100	NE	NE	<5.0	< 5.0
1,1,2,2-Tetrachloroethane	ug/l	0.76	327	NE	NE	<5.0	< 5.0
1,1,2-Trichloroethane	ug/l	5	55	NE	NE	<5.0	< 5.0
1,1-Dichloroethane	ug/l	28	590	NE	NE	<5.0	< 5.0
1,1-Dichloroethene	ug/l	7	1,340	NE	NE	<5.0	< 5.0
1,1-Dichloropropene	ug/l	NE	NE	NE	NE	<5.0	< 5.0
1,2,3-Trichlorobenzene	ug/l	NE	NIT	NE	NE	<5.0	< 5.0
1,2,3-Trichloropropane	ug/l	0.0075	218	NE	NE	<5.0	< 5.0
1,2,4-Trichlorobenzene	ug/l	70	432	NE	NE	<5.0	< 5.0
1,2,4-Trimethylbenzene	ug/l	56	2,630	15	67,600	<5.0	< 5.0
1,2-Dibromo-3-chloropropane	ug/l	0.2	9.1	NE	NE	<0.20	< 0.20
1,2-Dibromoethane	ug/l	0.05	16.2	0.05	5,680	<0.050	< 0.050
1,2-Dichlorobenzene	ug/l	600	27,500	NE	NE	<5.0	< 5.0
1,2-Dichloroethane	ug/l	5	189	5	36,900	<5.0	< 5.0
1,2-Dichloropropane	ug/l	5	296	NE	NE	<5.0	< 5.0
1,3,5-Trimethylbenzene	ug/l	60	1,840	NE	NE	<5.0	< 5.0
1,3-Dichlorobenzene	ug/l	NE	NE	NE	NE	<5.0	< 5.0
1,3-Dichloropropane	ug/l	370	NIT	NE	NE	<5.0	< 5.0
1,4-Dichlorobenzene	ug/l	75	279	NE	NE	<5.0	< 5.0
2,2-Dichloropropane	ug/l	NE	NE	NE	NE	<5.0	< 5.0
2-Butanone	ug/l	5,600	18,100,000	NE	NE	<50	< 50
2-Chlorotoluene	ug/l	NE	NIT	NE	NE	<5.0	< 5.0
2-Hexanone	ug/l	NE	78,700	NE	NE	<5.0	< 5.0
4-Chlorotoluene	ug/l	NE	NIT	NE	NE	<5.0	< 5.0
4-Methyl-2-pentanone	ug/l	6,300	5,020,000	NE	NE	<5.0	< 5.0
Acetone	ug/l	14,000	NIT	NE	NE	<50	< 50
Benzene	ug/l	5	130	5	26,100	<5.0	< 5.0
Bromobenzene	ug/l	NE	7,060	NE	NE	<5.0	< 5.0
Bromochloromethane	ug/l	NE	5,330	NE	NE	<5.0	< 5.0
Bromodichloromethane	ug/l	80	74.9	NE	NE	<5.0	< 5.0
Bromoform	ug/l	80	12,100	NE	NE	<5.0	< 5.0
Bromomethane	ug/l	7.5	111	NE	NE	<5.0	< 5.0
Carbon disulfide	ug/l	810	8,650	NE	NE	<5.0	< 5.0
Carbon tetrachloride	ug/l	5	33.2	NE	NE	<5.0	< 5.0
Chlorobenzene	ug/l	100	3710	NE	NE	<5.0	< 5.0
Chloroethane	ug/l	21,000	60,100	NE	NE	<5.0	< 5.0
Chloroform	ug/l	80	63.4	NE	NE	<5.0	< 5.0
Chloromethane	ug/l	190	1,550	NE	NE	<5.0	< 5.0
cis-1,2-Dichloroethene	ug/l	70	1,910	NE	NE	<5.0	< 5.0
cis-1,3-Dichloropropene	ug/l	NE	NE	NE	NE	<5.0	< 5.0
Dibromochloromethane	ug/l	80	NIT	NE	NE	<5.0	< 5.0
Dibromomethane	ug/l	10 <sup>5</sup>	1030	NE	NE	<5.0	< 5.0
Dichlorodifluoromethane	ug/l	3,600	42.4	NE	NE	<5.0	< 5.0
Ethylbenzene	ug/l	700	337	700	6,760,000	<5.0	< 5.0
Hexachlorobutadiene	ug/l	1	36.4	NE	NE	<5.0	< 5.0
Isopropylbenzene	ug/l	450	10,200	NE	NE	<5.0	< 5.0
m,p-Xylene	ug/l	NE	NE	1,000	822,000	<10	< 10
Methyl tert-butyl ether	ug/l	140	34300	120	8,360,000	<5.0	< 5.0
Methylene chloride	ug/l	5	NE	NE	NE	<5.0	< 5.0
n-Butylbenzene	ug/l	130,000	NIT	NE	NE	<5.0	< 5.0
n-Propylbenzene	ug/l	660	NE	NE	NE	<5.0	< 5.0
Naphthalene	ug/l	1.7	556	1.4	105,000	<5.0	< 5.0
o-Xylene	ug/l	NE	4,680	10,000	822,000	<5.0	< 5.0
p-Isopropyltoluene	ug/l	180	NE	NE	NE	<5.0	< 5.0
sec-Butylbenzene	ug/l	2,000	NIT	NE	NE	<5.0	< 5.0
Styrene	ug/l	100	93,100	NE	NE	<5.0	< 5.0
tert-Butylbenzene	ug/l	690	NIT	NE	NE	<5.0	< 5.0
Tetrachloroethene	ug/l	5	510	NE	NE	<5.0	< 5.0
Toluene	ug/l	1,000	164,000	1,000	35,200,000	<5.0	< 5.0
trans-1,2-Dichloroethene	ug/l	100	800	NE	NE	<5.0	< 5.0
trans-1,3-Dichloropropene	ug/l	NE	NE	NE	NE	<5.0	< 5.0
Trichloroethene	ug/l	5	41.6	NE	NE	<5.0	< 5.0
Trichlorofluoromethane	ug/l	5,200	NIT	NE	NE	<5.0	< 5.0
Vinyl chloride	ug/l	2	34.6	NE	NE	<2.0	< 2.0
Xylenes, Total	ug/l	10,000	3600	10,000	822,000	<15	< 15









**Table 6**  
**Summary of SVOCs in Groundwater**  
**Former Leake Oil**  
**448 E. Taggart Road, East Palestine, Ohio**

Sample ID		VAP Standards	US EPA	BUSTR <sup>5</sup>		MW-01	MW-01
Collection Date		UPUS <sup>2</sup>	Commercial VISL <sup>4</sup>	Groundwater Ingestion <sup>6</sup>	Groundwater to Indoor Air <sup>7</sup>	6/18/2024	9/17/2024
Parameter	Units <sup>1</sup>						
<b>Semi-Volatile Organic Compounds - SVOCs</b>							
1,2,4,5-Tetrachlorobenzene	ug/l	1.7	NE	NE	NE	<10.0	< 10.0
1,2,4-Trichlorobenzene	ug/l	70	432	NE	NE	<10.0	< 10.0
1,2-Dichlorobenzene	ug/l	600.00	27,500	NE	NE	<10.0	< 10.0
1,3-Dichlorobenzene	ug/l	NE	NE	NE	NE	<10.0	< 10.0
1,3-Dinitrobenzene	ug/l	2.00	NE	NE	NE	<10.0	< 10.0
1,4-Dichlorobenzene	ug/l	75.00	279	NE	NE	<10.0	< 10.0
1-Methylnaphthalene	ug/l	11.00	NE	NE	NE	<0.200	< 0.200
1-Naphthylamine	ug/l	NE	NE	NE	NE	<10.0	< 10.0
2,3,4,6-Tetrachlorophenol	ug/l	240.00	NE	NE	NE	<10.0	< 10.0
2,4,5-Trichlorophenol	ug/l	1,200.00	NE	NE	NE	<10.0	< 10.0
2,4,6-Trichlorophenol	ug/l	12.00	NE	NE	NE	<10.0	< 10.0
2,4-Dichlorophenol	ug/l	46.00	NE	NE	NE	<10.0	< 10.0
2,4-Dimethylphenol	ug/l	360.00	NE	NE	NE	<10.0	< 10.0
2,4-Dinitrophenol	ug/l	39.00	NE	NE	NE	<10.0	< 10.0
2,4-Dinitrotoluene	ug/l	2.40	NE	NE	NE	<10.0	< 10.0
2,6-Dichlorophenol	ug/l	NE	NE	NE	NE	<10.0	< 10.0
2,6-Dinitrotoluene	ug/l	0.49	NE	NE	NE	<10.0	< 10.0
2-Acetylaminofluorene	ug/l	0.16	NE	NE	NE	<10.0	< 10.0
2-Chloronaphthalene	ug/l	750.00	NE	NE	NE	<10.0	< 10.0
2-Chlorophenol	ug/l	91.00	NE	NE	NE	<10.0	< 10.0
2-Methylnaphthalene	ug/l	36.00	NE	NE	NE	<0.200	< 0.200
2-Methylphenol	ug/l	NE	NE	NE	NE	<10.0	< 10.0
2-Naphthylamine	ug/l	0.39	NE	NE	NE	<10.0	< 10.0
2-Nitroaniline	ug/l	NE	NE	NE	NE	<10.0	< 10.0
2-Nitrophenol	ug/l	NE	NE	NE	NE	<10.0	< 10.0
2-Picoline	ug/l	NE	NE	NE	NE	<10.0	< 10.0
3&4-Methylphenol	ug/l	NE	NE	NE	NE	<10.0	< 10.0
3,3'-Dichlorobenzidine	ug/l	1.30	NE	NE	NE	<10.0	< 10.0
3-Methylcholanthrene	ug/l	0.04	46	NE	NE	<10.0	< 10.0
3-Nitroaniline	ug/l	NE	NE	NE	NE	<10.0	< 10.0
4,6-Dinitro-2-methylphenol	ug/l	NE	NE	NE	NE	<10.0	< 10.0
4-Aminobiphenyl	ug/l	0.03	NE	NE	NE	<10.0	< 10.0
4-Bromophenyl phenyl ether	ug/l	NE	NE	NE	NE	<10.0	< 10.0
4-Chloro-3-methylphenol	ug/l	1,400.00	NE	NE	NE	<10.0	< 10.0
4-Chloroaniline	ug/l	3.70	NE	NE	NE	<10.0	< 10.0
4-Chlorophenyl phenyl ether	ug/l	NE	NE	NE	NE	<10.0	< 10.0
4-Nitroaniline	ug/l	38.00	NE	NE	NE	<10.0	< 10.0
4-Nitrophenol	ug/l	NE	NE	NE	NE	<10.0	< 10.0
4-Nitroquinoline 1-oxide	ug/l	NE	NE	NE	NE	<10.0	< 10.0
5-Nitro-o-toluidine	ug/l	NE	NE	NE	NE	<10.0	< 10.0
7,12-Dimethylbenz(a)anthracene	ug/l	0.00	NE	NE	NE	<10.0	< 10.0
Acenaphthene	ug/l	530.00	NE	NE	NE	<0.200	< 0.200
Acenaphthylene	ug/l	520.00	NE	NE	NE	<0.200	< 0.200
Acetophenone	ug/l	1,900.00	NE	NE	NE	<10.0	< 10.0
Aniline	ug/l	130.00	NE	NE	NE	<10.0	< 10.0
Anthracene	ug/l	1,800.00	NE	NE	NE	<0.200	< 0.200
Azobenzene	ug/l	NE	25,000	NE	NE	<10.0	< 10.0
Benzidine	ug/l	0.00	NE	NE	NE	<10.0	< 10.0
Benzo(g,h,i)perylene	ug/l	600.00	NE	NE	NE	<0.200	< 0.200
Benzyl alcohol	ug/l	NE	NE	NE	NE	<10.0	< 10.0
Bis(2-chloroethoxy)methane	ug/l	59.00	NE	NE	NE	<10.0	< 10.0
Bis(2-chloroethyl)ether	ug/l	0.14	NE	NE	NE	<10.0	< 10.0
Bis(2-chloroisopropyl)ether	ug/l	710.00	NE	NE	NE	<10.0	< 10.0
Bis(2-ethylhexyl)phthalate	ug/l	6.00	NE	NE	NE	<10.0	< 10.0
Butyl benzyl phthalate	ug/l	160.00	NE	NE	NE	<10.0	< 10.0
Carbazole	ug/l	20.00	NE	NE	NE	<0.200	< 0.200
Chrysene	ug/l	250.00	NE	92	42,600,000	<0.200	< 0.200
Di-n-butyl phthalate	ug/l	900.00	NE	NE	NE	<10.0	< 10.0
Di-n-octyl phthalate	ug/l	200.00	NE	NE	NE	<10.0	< 10.0
Dibenzofuran	ug/l	20.00	NE	NE	NE	<0.200	< 0.200
Diethyl phthalate	ug/l	250.00	NE	NE	NE	<10.0	< 10.0
Dimethyl phthalate	ug/l	0.00	NE	NE	NE	<10.0	< 10.0
Dinoseb	ug/l	7.00	NE	NE	NE	<10.0	< 10.0
Diphenylamine	ug/l	NE	NE	NE	NE	<10.0	< 10.0
Ethyl methanesulfonate	ug/l	NE	NE	NE	NE	<10.0	< 10.0

**Table 6**  
**Summary of SVOCs in Groundwater**  
**Former Leake Oil**  
**448 E. Taggart Road, East Palestine, Ohio**

Sample ID		VAP Standards	US EPA	MW-02	MW-03	MW-03	DUP-01 (MW-03)
Collection Date		UPUS <sup>2</sup>	Commercial VISL <sup>4</sup>	N/A	6/19/2024	9/17/2024	9/17/2024
Parameter	Units <sup>1</sup>						
<b>Semi-Volatile Organic Compounds - SVOCs</b>							
1,2,4,5-Tetrachlorobenzene	ug/l	1.7	NE	NT	<10.0	< 10.0	< 10.0
1,2,4-Trichlorobenzene	ug/l	70	432	NT	<10.0	< 10.0	< 10.0
1,2-Dichlorobenzene	ug/l	600.00	27,500	NT	<10.0	< 10.0	< 10.0
1,3-Dichlorobenzene	ug/l	NE	NE	NT	<10.0	< 10.0	< 10.0
1,3-Dinitrobenzene	ug/l	2.00	NE	NT	<10.0	< 10.0	< 10.0
1,4-Dichlorobenzene	ug/l	75.00	279	NT	<10.0	< 10.0	< 0.200
1-Methylnaphthalene	ug/l	11.00	NE	NT	<0.200	< 0.200	< 10.0
1-Naphthylamine	ug/l	NE	NE	NT	<10.0	< 10.0	< 10.0
2,3,4,6-Tetrachlorophenol	ug/l	240.00	NE	NT	<10.0	< 10.0	< 10.0
2,4,5-Trichlorophenol	ug/l	1,200.00	NE	NT	<10.0	< 10.0	< 10.0
2,4,6-Trichlorophenol	ug/l	12.00	NE	NT	<10.0	< 10.0	< 10.0
2,4-Dichlorophenol	ug/l	46.00	NE	NT	<10.0	< 10.0	< 10.0
2,4-Dimethylphenol	ug/l	360.00	NE	NT	<10.0	< 10.0	< 10.0
2,4-Dinitrophenol	ug/l	39.00	NE	NT	<10.0	< 10.0	< 10.0
2,4-Dinitrotoluene	ug/l	2.40	NE	NT	<10.0	< 10.0	< 10.0
2,6-Dichlorophenol	ug/l	NE	NE	NT	<10.0	< 10.0	< 10.0
2,6-Dinitrotoluene	ug/l	0.49	NE	NT	<10.0	< 10.0	< 10.0
2-Acetylaminofluorene	ug/l	0.16	NE	NT	<10.0	< 10.0	< 10.0
2-Chloronaphthalene	ug/l	750.00	NE	NT	<10.0	< 10.0	< 10.0
2-Chlorophenol	ug/l	91.00	NE	NT	<10.0	< 10.0	< 0.200
2-Methylnaphthalene	ug/l	36.00	NE	NT	<0.200	< 0.200	< 10.0
2-Methylphenol	ug/l	NE	NE	NT	<10.0	< 10.0	< 10.0
2-Naphthylamine	ug/l	0.39	NE	NT	<10.0	< 10.0	< 10.0
2-Nitroaniline	ug/l	NE	NE	NT	<10.0	< 10.0	< 10.0
2-Nitrophenol	ug/l	NE	NE	NT	<10.0	< 10.0	< 10.0
2-Picoline	ug/l	NE	NE	NT	<10.0	< 10.0	< 10.0
3&4-Methylphenol	ug/l	NE	NE	NT	<10.0	< 10.0	< 10.0
3,3'-Dichlorobenzidine	ug/l	1.30	NE	NT	<10.0	< 10.0	< 10.0
3-Methylcholanthrene	ug/l	0.04	48	NT	<10.0	< 10.0	< 10.0
3-Nitroaniline	ug/l	NE	NE	NT	<10.0	< 10.0	< 10.0
4,6-Dinitro-2-methylphenol	ug/l	NE	NE	NT	<10.0	< 10.0	< 10.0
4-Aminobiphenyl	ug/l	0.03	NE	NT	<10.0	< 10.0	< 10.0
4-Bromophenyl phenyl ether	ug/l	NE	NE	NT	<10.0	< 10.0	< 10.0
4-Chloro-3-methylphenol	ug/l	1,400.00	NE	NT	<10.0	< 10.0	< 10.0
4-Chloroaniline	ug/l	3.70	NE	NT	<10.0	< 10.0	< 10.0
4-Chlorophenyl phenyl ether	ug/l	NE	NE	NT	<10.0	< 10.0	< 10.0
4-Nitroaniline	ug/l	38.00	NE	NT	<10.0	< 10.0	< 10.0
4-Nitrophenol	ug/l	NE	NE	NT	<10.0	< 10.0	< 10.0
4-Nitroquinoline 1-oxide	ug/l	NE	NE	NT	<10.0	< 10.0	< 10.0
5-Nitro-o-toluidine	ug/l	NE	NE	NT	<10.0	< 10.0	< 10.0
7,12-Dimethylbenz(a)anthracene	ug/l	0.00	NE	NT	<10.0	< 10.0	< 0.200
Acenaphthene	ug/l	530.00	NE	NT	<0.200	< 0.200	< 0.200
Acenaphthylene	ug/l	520.00	NE	NT	<0.200	< 0.200	< 10.0
Acetophenone	ug/l	1,900.00	NE	NT	<10.0	< 10.0	< 10.0
Aniline	ug/l	130.00	NE	NT	<10.0	< 10.0	< 0.200
Anthracene	ug/l	1,800.00	NE	NT	<0.200	< 0.200	< 10.0
Azobenzene	ug/l	NE	25,000	NT	<10.0	< 10.0	< 10.0
Benzidine	ug/l	0.00	NE	NT	<10.0	< 10.0	< 0.200
Benzo(g,h,i)perylene	ug/l	600.00	NE	NT	<0.200	< 0.200	< 0.200
Benzyl alcohol	ug/l	NE	NE	NT	<10.0	< 10.0	< 10.0
Bis(2-chloroethoxy)methane	ug/l	59.00	NE	NT	<10.0	< 10.0	< 10.0
Bis(2-chloroethyl)ether	ug/l	0.14	NE	NT	<10.0	< 10.0	< 10.0
Bis(2-chloroisopropyl)ether	ug/l	710.00	NE	NT	<10.0	< 10.0	< 10.0
Bis(2-ethylhexyl)phthalate	ug/l	6.00	NE	NT	<10.0	< 10.0	< 10.0
Butyl benzyl phthalate	ug/l	160.00	NE	NT	<10.0	< 10.0	< 0.200
Carbazole	ug/l	20.00	NE	NT	<0.200	< 0.200	< 0.200
Chrysene	ug/l	250.00	NE	NT	<0.200	< 0.200	< 0.200
Di-n-butyl phthalate	ug/l	900.00	NE	NT	<10.0	< 10.0	< 10.0
Di-n-octyl phthalate	ug/l	200.00	NE	NT	<10.0	< 10.0	< 10.0
Dibenzofuran	ug/l	20.00	NE	NT	<0.200	< 0.200	< 10.0
Diethyl phthalate	ug/l	250.00	NE	NT	<10.0	< 10.0	< 10.0
Dimethyl phthalate	ug/l	0.00	NE	NT	<10.0	< 10.0	< 10.0
Dinoseb	ug/l	7.00	NE	NT	<10.0	< 10.0	< 10.0
Diphenylamine	ug/l	NE	NE	NT	<10.0	< 10.0	< 10.0
Ethyl methanesulfonate	ug/l	NE	NE	NT	<10.0	< 10.0	< 0.200



**Table 6**  
**Summary of SVOCs in Groundwater**  
**Former Leake Oil**  
**448 E. Taggart Road, East Palestine, Ohio**

Sample ID		VAP Standards	US EPA	MW-04	MW-04	MW-05	MW-05
Collection Date		UPUS <sup>2</sup>	Commercial VISL <sup>4</sup>	6/19/2024	9/17/2024	6/19/2024	9/17/2024
Parameter	Units <sup>1</sup>						
<b>Semi-Volatile Organic Compounds - SVOCs</b>							
1,2,4,5-Tetrachlorobenzene	ug/l	1.7	NE	<10.0	< 10.0	<9.62	< 10.0
1,2,4-Trichlorobenzene	ug/l	70	432	<10.0	< 10.0	<9.62	< 10.0
1,2-Dichlorobenzene	ug/l	600.00	27,500	<10.0	< 10.0	<9.62	< 10.0
1,3-Dichlorobenzene	ug/l	NE	NE	<10.0	< 10.0	<9.62	< 10.0
1,3-Dinitrobenzene	ug/l	2.00	NE	<10.0	< 10.0	<9.62	< 10.0
1,4-Dichlorobenzene	ug/l	75.00	279	< 0.200	< 10.0	<9.62	< 10.0
1-Methylnaphthalene	ug/l	11.00	NE	< 10.0	< 0.200	<b>8.48</b>	< 0.200
1-Naphthylamine	ug/l	NE	NE	<10.0	< 10.0	<9.62	< 10.0
2,3,4,6-Tetrachlorophenol	ug/l	240.00	NE	<10.0	< 10.0	<9.62	< 10.0
2,4,5-Trichlorophenol	ug/l	1,200.00	NE	<10.0	< 10.0	<9.62	< 10.0
2,4,6-Trichlorophenol	ug/l	12.00	NE	<10.0	< 10.0	<9.62	< 10.0
2,4-Dichlorophenol	ug/l	46.00	NE	<10.0	< 10.0	<9.62	< 10.0
2,4-Dimethylphenol	ug/l	360.00	NE	<10.0	< 10.0	<9.62	< 10.0
2,4-Dinitrophenol	ug/l	39.00	NE	<10.0	< 10.0	<9.62	< 10.0
2,4-Dinitrotoluene	ug/l	2.40	NE	<10.0	< 10.0	<9.62	< 10.0
2,6-Dichlorophenol	ug/l	NE	NE	<10.0	< 10.0	<9.62	< 10.0
2,6-Dinitrotoluene	ug/l	0.49	NE	<10.0	< 10.0	<9.62	< 10.0
2-Acetylaminofluorene	ug/l	0.16	NE	<10.0	< 10.0	<9.62	< 10.0
2-Chloronaphthalene	ug/l	750.00	NE	<10.0	< 10.0	<9.62	< 10.0
2-Chlorophenol	ug/l	91.00	NE	< 0.200	< 10.0	<9.62	< 10.0
2-Methylnaphthalene	ug/l	36.00	NE	< 10.0	< 0.200	<b>1.26</b>	< 0.200
2-Methylphenol	ug/l	NE	NE	<10.0	< 10.0	<9.62	< 10.0
2-Naphthylamine	ug/l	0.39	NE	<10.0	< 10.0	<9.62	< 10.0
2-Nitroaniline	ug/l	NE	NE	<10.0	< 10.0	<9.62	< 10.0
2-Nitrophenol	ug/l	NE	NE	<10.0	< 10.0	<9.62	< 10.0
2-Picoline	ug/l	NE	NE	<10.0	< 10.0	<9.62	< 10.0
3&4-Methylphenol	ug/l	NE	NE	<10.0	< 10.0	<9.62	< 10.0
3,3'-Dichlorobenzidine	ug/l	1.30	NE	<10.0	< 10.0	<9.62	< 10.0
3-Methylcholanthrene	ug/l	0.04	46	<10.0	< 10.0	<9.62	< 10.0
3-Nitroaniline	ug/l	NE	NE	<10.0	< 10.0	<9.62	< 10.0
4,6-Dinitro-2-methylphenol	ug/l	NE	NE	<10.0	< 10.0	<9.62	< 10.0
4-Aminobiphenyl	ug/l	0.03	NE	<10.0	< 10.0	<9.62	< 10.0
4-Bromophenyl phenyl ether	ug/l	NE	NE	<10.0	< 10.0	<9.62	< 10.0
4-Chloro-3-methylphenol	ug/l	1,400.00	NE	<10.0	< 10.0	<9.62	< 10.0
4-Chloroaniline	ug/l	3.70	NE	<10.0	< 10.0	<9.62	< 10.0
4-Chlorophenyl phenyl ether	ug/l	NE	NE	<10.0	< 10.0	<9.62	< 10.0
4-Nitroaniline	ug/l	38.00	NE	<10.0	< 10.0	<9.62	< 10.0
4-Nitrophenol	ug/l	NE	NE	<10.0	< 10.0	<9.62	< 10.0
4-Nitroquinoline 1-oxide	ug/l	NE	NE	<10.0	< 10.0	<9.62	< 10.0
5-Nitro-o-toluidine	ug/l	NE	NE	<10.0	< 10.0	<9.62	< 10.0
7,12-Dimethylbenz(a)anthracene	ug/l	0.00	NE	< 0.200	< 10.0	<9.62	< 10.0
Acenaphthene	ug/l	530.00	NE	<0.200	< 0.200	<b>1.98</b>	< 0.200
Acenaphthylene	ug/l	520.00	NE	<0.200	< 0.200	<0.192	< 0.200
Acetophenone	ug/l	1,900.00	NE	<10.0	< 10.0	<9.62	< 10.0
Aniline	ug/l	130.00	NE	< 0.200	< 10.0	<9.62	< 10.0
Anthracene	ug/l	1,800.00	NE	< 10.0	< 0.200	<b>0.381</b>	< 0.200
Azobenzene	ug/l	NE	25,000	<10.0	< 10.0	<9.62	< 10.0
Benzidine	ug/l	0.00	NE	< 0.200	< 10.0	<9.62	< 10.0
Benzo(g,h,i)perylene	ug/l	600.00	NE	<0.200	< 0.200	<0.192	< 0.200
Benzyl alcohol	ug/l	NE	NE	<10.0	< 10.0	<9.62	< 10.0
Bis(2-chloroethoxy)methane	ug/l	59.00	NE	<10.0	< 10.0	<9.62	< 10.0
Bis(2-chloroethyl)ether	ug/l	0.14	NE	<10.0	< 10.0	<9.62	< 10.0
Bis(2-chloroisopropyl)ether	ug/l	710.00	NE	<10.0	< 10.0	<9.62	< 10.0
Bis(2-ethylhexyl)phthalate	ug/l	6.00	NE	<10.0	< 10.0	<9.62	< 10.0
Butyl benzyl phthalate	ug/l	160.00	NE	<10.0	< 10.0	<9.62	< 10.0
Carbazole	ug/l	20.00	NE	<0.200	< 0.200	<0.192	< 0.200
Chrysene	ug/l	250.00	NE	<0.200	< 0.200	<0.192	< 0.200
Di-n-butyl phthalate	ug/l	900.00	NE	<10.0	< 10.0	<9.62	< 10.0
Di-n-octyl phthalate	ug/l	200.00	NE	<10.0	< 10.0	<9.62	< 10.0
Dibenzofuran	ug/l	20.00	NE	< 10.0	< 0.200	<b>0.342</b>	< 0.200
Diethyl phthalate	ug/l	250.00	NE	<10.0	< 10.0	<9.62	< 10.0
Dimethyl phthalate	ug/l	0.00	NE	<10.0	< 10.0	<9.62	< 10.0
Dinoseb	ug/l	7.00	NE	<10.0	< 10.0	<9.62	< 10.0
Diphenylamine	ug/l	NE	NE	<10.0	< 10.0	<9.62	< 10.0
Ethyl methanesulfonate	ug/l	NE	NE	<10.0	< 10.0	<9.62	< 10.0

**Table 6**  
**Summary of SVOCs in Groundwater**  
**Former Leake Oil**  
**448 E. Taggart Road, East Palestine, Ohio**

Sample ID		VAP Standards	US EPA	MW-06	DUP-01 (MW-06)	MW-06	MW-07
Collection Date		UPUS <sup>2</sup>	Commercial VISL <sup>4</sup>	6/19/2024	6/19/2024	9/17/2024	6/21/2024
Parameter	Units <sup>1</sup>						
<b>Semi-Volatile Organic Compounds - SVOCs</b>							
1,2,4,5-Tetrachlorobenzene	ug/l	1.7	NE	<10.0	<9.62	< 10.0	<10.0
1,2,4-Trichlorobenzene	ug/l	70	432	<10.0	<9.62	< 10.0	<10.0
1,2-Dichlorobenzene	ug/l	600.00	27,500	<10.0	<9.62	< 10.0	<10.0
1,3-Dichlorobenzene	ug/l	NE	NE	<10.0	<9.62	< 10.0	<10.0
1,3-Dinitrobenzene	ug/l	2.00	NE	<10.0	<9.62	< 10.0	<10.0
1,4-Dichlorobenzene	ug/l	75.00	279	<10.0	<9.62	< 10.0	<10.0
1-Methylnaphthalene	ug/l	11.00	NE	<b>25.0</b>	<b>24.8</b>	<b>12.8</b>	<0.200
1-Naphthylamine	ug/l	NE	NE	<10.0	<9.62	< 10.0	<10.0
2,3,4,6-Tetrachlorophenol	ug/l	240.00	NE	<10.0	<9.62	< 10.0	<10.0
2,4,5-Trichlorophenol	ug/l	1,200.00	NE	<10.0	<9.62	< 10.0	<10.0
2,4,6-Trichlorophenol	ug/l	12.00	NE	<10.0	<9.62	< 10.0	<10.0
2,4-Dichlorophenol	ug/l	46.00	NE	<10.0	<9.62	< 10.0	<10.0
2,4-Dimethylphenol	ug/l	360.00	NE	<10.0	<9.62	< 10.0	<10.0
2,4-Dinitrophenol	ug/l	39.00	NE	<10.0	<9.62	< 10.0	<10.0
2,4-Dinitrotoluene	ug/l	2.40	NE	<10.0	<9.62	< 10.0	<10.0
2,6-Dichlorophenol	ug/l	NE	NE	<10.0	<9.62	< 10.0	<10.0
2,6-Dinitrotoluene	ug/l	0.49	NE	<10.0	<9.62	< 10.0	<10.0
2-Acetylaminofluorene	ug/l	0.16	NE	<10.0	<9.62	< 10.0	<10.0
2-Chloronaphthalene	ug/l	750.00	NE	<10.0	<9.62	< 10.0	<10.0
2-Chlorophenol	ug/l	91.00	NE	<10.0	<9.62	< 10.0	<10.0
2-Methylnaphthalene	ug/l	36.00	NE	<b>20.5</b>	<b>20.7</b>	<b>4.94</b>	<0.200
2-Methylphenol	ug/l	NE	NE	<10.0	<9.62	< 10.0	<10.0
2-Naphthylamine	ug/l	0.39	NE	<10.0	<9.62	< 10.0	<10.0
2-Nitroaniline	ug/l	NE	NE	<10.0	<9.62	< 10.0	<10.0
2-Nitrophenol	ug/l	NE	NE	<10.0	<9.62	< 10.0	<10.0
2-Picoline	ug/l	NE	NE	<10.0	<9.62	< 10.0	<10.0
3&4-Methylphenol	ug/l	NE	NE	<10.0	<9.62	< 10.0	<10.0
3,3'-Dichlorobenzidine	ug/l	1.30	NE	<10.0	<9.62	< 10.0	<10.0
3-Methylcholanthrene	ug/l	0.04	46	<10.0	<9.62	< 10.0	<10.0
3-Nitroaniline	ug/l	NE	NE	<10.0	<9.62	< 10.0	<10.0
4,6-Dinitro-2-methylphenol	ug/l	NE	NE	<10.0	<9.62	< 10.0	<10.0
4-Aminobiphenyl	ug/l	0.03	NE	<10.0	<9.62	< 10.0	<10.0
4-Bromophenyl phenyl ether	ug/l	NE	NE	<10.0	<9.62	< 10.0	<10.0
4-Chloro-3-methylphenol	ug/l	1,400.00	NE	<10.0	<9.62	< 10.0	<10.0
4-Chloroaniline	ug/l	3.70	NE	<10.0	<9.62	< 10.0	<10.0
4-Chlorophenyl phenyl ether	ug/l	NE	NE	<10.0	<9.62	< 10.0	<10.0
4-Nitroaniline	ug/l	38.00	NE	<10.0	<9.62	< 10.0	<10.0
4-Nitrophenol	ug/l	NE	NE	<10.0	<9.62	< 10.0	<10.0
4-Nitroquinoline 1-oxide	ug/l	NE	NE	<10.0	<9.62	< 10.0	<10.0
5-Nitro-o-toluidine	ug/l	NE	NE	<10.0	<9.62	< 10.0	<10.0
7,12-Dimethylbenz(a)anthracene	ug/l	0.00	NE	<10.0	<9.62	< 10.0	<10.0
Acenaphthene	ug/l	530.00	NE	<b>0.656</b>	<b>0.615</b>	<b>0.304</b>	<0.200
Acenaphthylene	ug/l	520.00	NE	<0.200	<0.192	< 0.200	<0.200
Acetophenone	ug/l	1,900.00	NE	<10.0	<9.62	< 10.0	<10.0
Aniline	ug/l	130.00	NE	<10.0	<9.62	< 10.0	<10.0
Anthracene	ug/l	1,800.00	NE	<0.200	<0.192	< 0.200	<0.200
Azobenzene	ug/l	NE	25,000	<10.0	<9.62	< 10.0	<10.0
Benzidine	ug/l	0.00	NE	<10.0	<9.62	< 10.0	<10.0
Benzo(g,h,i)perylene	ug/l	600.00	NE	<0.200	<0.192	< 0.200	<0.200
Benzyl alcohol	ug/l	NE	NE	<10.0	<9.62	< 10.0	<10.0
Bis(2-chloroethoxy)methane	ug/l	59.00	NE	<10.0	<9.62	< 10.0	<10.0
Bis(2-chloroethyl)ether	ug/l	0.14	NE	<10.0	<9.62	< 10.0	<10.0
Bis(2-chloroisopropyl)ether	ug/l	710.00	NE	<10.0	<9.62	< 10.0	<10.0
Bis(2-ethylhexyl)phthalate	ug/l	6.00	NE	<10.0	<9.62	< 10.0	<10.0
Butyl benzyl phthalate	ug/l	160.00	NE	<10.0	<9.62	< 10.0	<10.0
Carbazole	ug/l	20.00	NE	<b>0.644</b>	<b>0.581</b>	<b>0.512</b>	<0.200
Chrysene	ug/l	250.00	NE	<0.200	<0.192	< 0.200	<0.200
Di-n-butyl phthalate	ug/l	900.00	NE	<10.0	<9.62	< 10.0	<10.0
Di-n-octyl phthalate	ug/l	200.00	NE	<10.0	<9.62	< 10.0	<10.0
Dibenzofuran	ug/l	20.00	NE	<b>0.372</b>	<b>0.408</b>	<b>0.236</b>	<0.200
Diethyl phthalate	ug/l	250.00	NE	<10.0	<9.62	< 10.0	<10.0
Dimethyl phthalate	ug/l	0.00	NE	<10.0	<9.62	< 10.0	<10.0
Dinoseb	ug/l	7.00	NE	<10.0	<9.62	< 10.0	<10.0
Diphenylamine	ug/l	NE	NE	<10.0	<9.62	< 10.0	<10.0
Ethyl methanesulfonate	ug/l	NE	NE	<10.0	<9.62	< 10.0	<10.0

**Table 6**  
**Summary of SVOCs in Groundwater**  
**Former Leake Oil**  
**448 E. Taggart Road, East Palestine, Ohio**

Sample ID		VAP Standards	US EPA	MW-07	MW-08	MW-08	MW-09
Collection Date		UPUS <sup>2</sup>	Commercial VISL <sup>4</sup>	9/18/2024	6/21/2024	9/18/2024	6/21/2024
Parameter	Units <sup>1</sup>						
<b>Semi-Volatile Organic Compounds - SVOCs</b>							
1,2,4,5-Tetrachlorobenzene	ug/l	1.7	NE	< 10.0	<10.0	< 10.0	<10.0
1,2,4-Trichlorobenzene	ug/l	70	432	< 10.0	<10.0	< 10.0	<10.0
1,2-Dichlorobenzene	ug/l	600.00	27,500	< 10.0	<10.0	< 10.0	<10.0
1,3-Dichlorobenzene	ug/l	NE	NE	< 10.0	<10.0	< 10.0	<10.0
1,3-Dinitrobenzene	ug/l	2.00	NE	< 10.0	<10.0	< 10.0	<10.0
1,4-Dichlorobenzene	ug/l	75.00	279	< 10.0	<10.0	< 10.0	<10.0
1-Methylnaphthalene	ug/l	11.00	NE	< 0.200	<0.200	< 0.200	<0.200
1-Naphthylamine	ug/l	NE	NE	< 10.0	<10.0	< 10.0	<10.0
2,3,4,6-Tetrachlorophenol	ug/l	240.00	NE	< 10.0	<10.0	< 10.0	<10.0
2,4,5-Trichlorophenol	ug/l	1,200.00	NE	< 10.0	<10.0	< 10.0	<10.0
2,4,6-Trichlorophenol	ug/l	12.00	NE	< 10.0	<10.0	< 10.0	<10.0
2,4-Dichlorophenol	ug/l	46.00	NE	< 10.0	<10.0	< 10.0	<10.0
2,4-Dimethylphenol	ug/l	360.00	NE	< 10.0	<10.0	< 10.0	<10.0
2,4-Dinitrophenol	ug/l	39.00	NE	< 10.0	<10.0	< 10.0	<10.0
2,4-Dinitrotoluene	ug/l	2.40	NE	< 10.0	<10.0	< 10.0	<10.0
2,6-Dichlorophenol	ug/l	NE	NE	< 10.0	<10.0	< 10.0	<10.0
2,6-Dinitrotoluene	ug/l	0.49	NE	< 10.0	<10.0	< 10.0	<10.0
2-Acetylaminofluorene	ug/l	0.16	NE	< 10.0	<10.0	< 10.0	<10.0
2-Chloronaphthalene	ug/l	750.00	NE	< 10.0	<10.0	< 10.0	<10.0
2-Chlorophenol	ug/l	91.00	NE	< 10.0	<10.0	< 10.0	<10.0
2-Methylnaphthalene	ug/l	36.00	NE	< 0.200	<0.200	< 0.200	<0.200
2-Methylphenol	ug/l	NE	NE	< 10.0	<10.0	< 10.0	<10.0
2-Naphthylamine	ug/l	0.39	NE	< 10.0	<10.0	< 10.0	<10.0
2-Nitroaniline	ug/l	NE	NE	< 10.0	<10.0	< 10.0	<10.0
2-Nitrophenol	ug/l	NE	NE	< 10.0	<10.0	< 10.0	<10.0
2-Picoline	ug/l	NE	NE	< 10.0	<10.0	< 10.0	<10.0
3&4-Methylphenol	ug/l	NE	NE	< 10.0	<10.0	< 10.0	<10.0
3,3'-Dichlorobenzidine	ug/l	1.30	NE	< 10.0	<10.0	< 10.0	<10.0
3-Methylcholanthrene	ug/l	0.04	48	< 10.0	<10.0	< 10.0	<10.0
3-Nitroaniline	ug/l	NE	NE	< 10.0	<10.0	< 10.0	<10.0
4,6-Dinitro-2-methylphenol	ug/l	NE	NE	< 10.0	<10.0	< 10.0	<10.0
4-Aminobiphenyl	ug/l	0.03	NE	< 10.0	<10.0	< 10.0	<10.0
4-Bromophenyl phenyl ether	ug/l	NE	NE	< 10.0	<10.0	< 10.0	<10.0
4-Chloro-3-methylphenol	ug/l	1,400.00	NE	< 10.0	<10.0	< 10.0	<10.0
4-Chloroaniline	ug/l	3.70	NE	< 10.0	<10.0	< 10.0	<10.0
4-Chlorophenyl phenyl ether	ug/l	NE	NE	< 10.0	<10.0	< 10.0	<10.0
4-Nitroaniline	ug/l	38.00	NE	< 10.0	<10.0	< 10.0	<10.0
4-Nitrophenol	ug/l	NE	NE	< 10.0	<10.0	< 10.0	<10.0
4-Nitroquinoline 1-oxide	ug/l	NE	NE	< 10.0	<10.0	< 10.0	<10.0
5-Nitro-o-toluidine	ug/l	NE	NE	< 10.0	<10.0	< 10.0	<10.0
7,12-Dimethylbenz(a)anthracene	ug/l	0.00	NE	< 10.0	<10.0	< 10.0	<10.0
Acenaphthene	ug/l	530.00	NE	< 0.200	<0.200	< 0.200	<0.200
Acenaphthylene	ug/l	520.00	NE	< 0.200	<0.200	< 0.200	<0.200
Acetophenone	ug/l	1,900.00	NE	< 10.0	<10.0	< 10.0	<10.0
Aniline	ug/l	130.00	NE	< 10.0	<10.0	< 10.0	<10.0
Anthracene	ug/l	1,800.00	NE	< 0.200	<0.200	< 0.200	<0.200
Azobenzene	ug/l	NE	25,000	< 10.0	<10.0	< 10.0	<10.0
Benzidine	ug/l	0.00	NE	< 10.0	<10.0	< 10.0	<10.0
Benzo(g,h,i)perylene	ug/l	600.00	NE	< 0.200	<0.200	< 0.200	<0.200
Benzyl alcohol	ug/l	NE	NE	< 10.0	<10.0	< 10.0	<10.0
Bis(2-chloroethoxy)methane	ug/l	59.00	NE	< 10.0	<10.0	< 10.0	<10.0
Bis(2-chloroethyl)ether	ug/l	0.14	NE	< 10.0	<10.0	< 10.0	<10.0
Bis(2-chloroisopropyl)ether	ug/l	710.00	NE	< 10.0	<10.0	< 10.0	<10.0
Bis(2-ethylhexyl)phthalate	ug/l	6.00	NE	< 10.0	<10.0	< 10.0	<10.0
Butyl benzyl phthalate	ug/l	160.00	NE	< 10.0	<10.0	< 10.0	<10.0
Carbazole	ug/l	20.00	NE	< 0.200	<0.200	< 0.200	<0.200
Chrysene	ug/l	250.00	NE	< 0.200	<0.200	< 0.200	<0.200
Di-n-butyl phthalate	ug/l	900.00	NE	< 10.0	<10.0	< 10.0	<10.0
Di-n-octyl phthalate	ug/l	200.00	NE	< 10.0	<10.0	< 10.0	<10.0
Dibenzofuran	ug/l	20.00	NE	< 0.200	<0.200	< 0.200	<0.200
Diethyl phthalate	ug/l	250.00	NE	< 10.0	<10.0	< 10.0	<10.0
Dimethyl phthalate	ug/l	0.00	NE	< 10.0	<10.0	< 10.0	<10.0
Dinoseb	ug/l	7.00	NE	< 10.0	<10.0	< 10.0	<10.0
Diphenylamine	ug/l	NE	NE	< 10.0	<10.0	< 10.0	<10.0
Ethyl methanesulfonate	ug/l	NE	NE	< 10.0	<10.0	< 10.0	<10.0

**Table 6**  
**Summary of SVOCs in Groundwater**  
**Former Leake Oil**  
**448 E. Taggart Road, East Palestine, Ohio**

Sample ID		VAP Standards	US EPA	MW-09	MW-10	MW-11	MW-11
Collection Date		UPUS <sup>2</sup>	Commercial VISL <sup>4</sup>	9/18/2024	N/A	6/21/2024	9/18/2024
Parameter	Units <sup>1</sup>						
<b>Semi-Volatile Organic Compounds - SVOCs</b>							
1,2,4,5-Tetrachlorobenzene	ug/l	1.7	NE	< 10.0	NT	<10.0	< 10.0
1,2,4-Trichlorobenzene	ug/l	70	432	< 10.0	NT	<10.0	< 10.0
1,2-Dichlorobenzene	ug/l	600.00	27,500	< 10.0	NT	<10.0	< 10.0
1,3-Dichlorobenzene	ug/l	NE	NE	< 10.0	NT	<10.0	< 10.0
1,3-Dinitrobenzene	ug/l	2.00	NE	< 10.0	NT	<10.0	< 10.0
1,4-Dichlorobenzene	ug/l	75.00	279	< 10.0	NT	<10.0	< 10.0
1-Methylnaphthalene	ug/l	11.00	NE	< 0.200	NT	<b>0.224</b>	< 0.200
1-Naphthylamine	ug/l	NE	NE	< 10.0	NT	<10.0	< 10.0
2,3,4,6-Tetrachlorophenol	ug/l	240.00	NE	< 10.0	NT	<10.0	< 10.0
2,4,5-Trichlorophenol	ug/l	1,200.00	NE	< 10.0	NT	<10.0	< 10.0
2,4,6-Trichlorophenol	ug/l	12.00	NE	< 10.0	NT	<10.0	< 10.0
2,4-Dichlorophenol	ug/l	46.00	NE	< 10.0	NT	<10.0	< 10.0
2,4-Dimethylphenol	ug/l	360.00	NE	< 10.0	NT	<10.0	< 10.0
2,4-Dinitrophenol	ug/l	39.00	NE	< 10.0	NT	<10.0	< 10.0
2,4-Dinitrotoluene	ug/l	2.40	NE	< 10.0	NT	<10.0	< 10.0
2,6-Dichlorophenol	ug/l	NE	NE	< 10.0	NT	<10.0	< 10.0
2,6-Dinitrotoluene	ug/l	0.49	NE	< 10.0	NT	<10.0	< 10.0
2-Acetylaminofluorene	ug/l	0.16	NE	< 10.0	NT	<10.0	< 10.0
2-Chloronaphthalene	ug/l	750.00	NE	< 10.0	NT	<10.0	< 10.0
2-Chlorophenol	ug/l	91.00	NE	< 10.0	NT	<10.0	< 10.0
2-Methylnaphthalene	ug/l	36.00	NE	< 0.200	NT	<b>0.304</b>	< 0.200
2-Methylphenol	ug/l	NE	NE	< 10.0	NT	<10.0	< 10.0
2-Naphthylamine	ug/l	0.39	NE	< 10.0	NT	<10.0	< 10.0
2-Nitroaniline	ug/l	NE	NE	< 10.0	NT	<10.0	< 10.0
2-Nitrophenol	ug/l	NE	NE	< 10.0	NT	<10.0	< 10.0
2-Picoline	ug/l	NE	NE	< 10.0	NT	<10.0	< 10.0
3&4-Methylphenol	ug/l	NE	NE	< 10.0	NT	<10.0	< 10.0
3,3'-Dichlorobenzidine	ug/l	1.30	NE	< 10.0	NT	<10.0	< 10.0
3-Methylcholanthrene	ug/l	0.04	48	< 10.0	NT	<10.0	< 10.0
3-Nitroaniline	ug/l	NE	NE	< 10.0	NT	<10.0	< 10.0
4,6-Dinitro-2-methylphenol	ug/l	NE	NE	< 10.0	NT	<10.0	< 10.0
4-Aminobiphenyl	ug/l	0.03	NE	< 10.0	NT	<10.0	< 10.0
4-Bromophenyl phenyl ether	ug/l	NE	NE	< 10.0	NT	<10.0	< 10.0
4-Chloro-3-methylphenol	ug/l	1,400.00	NE	< 10.0	NT	<10.0	< 10.0
4-Chloroaniline	ug/l	3.70	NE	< 10.0	NT	<10.0	< 10.0
4-Chlorophenyl phenyl ether	ug/l	NE	NE	< 10.0	NT	<10.0	< 10.0
4-Nitroaniline	ug/l	38.00	NE	< 10.0	NT	<10.0	< 10.0
4-Nitrophenol	ug/l	NE	NE	< 10.0	NT	<10.0	< 10.0
4-Nitroquinoline 1-oxide	ug/l	NE	NE	< 10.0	NT	<10.0	< 10.0
5-Nitro-o-toluidine	ug/l	NE	NE	< 10.0	NT	<10.0	< 10.0
7,12-Dimethylbenz(a)anthracene	ug/l	0.00	NE	< 10.0	NT	<10.0	< 10.0
Acenaphthene	ug/l	530.00	NE	< 0.200	NT	<0.200	< 0.200
Acenaphthylene	ug/l	520.00	NE	< 0.200	NT	<0.200	< 0.200
Acetophenone	ug/l	1,900.00	NE	< 10.0	NT	<10.0	< 10.0
Aniline	ug/l	130.00	NE	< 10.0	NT	<10.0	< 10.0
Anthracene	ug/l	1,800.00	NE	< 0.200	NT	<0.200	< 0.200
Azobenzene	ug/l	NE	25,000	< 10.0	NT	<10.0	< 10.0
Benzidine	ug/l	0.00	NE	< 10.0	NT	<10.0	< 10.0
Benzo(g,h,i)perylene	ug/l	600.00	NE	< 0.200	NT	<0.200	< 0.200
Benzyl alcohol	ug/l	NE	NE	< 10.0	NT	<10.0	< 10.0
Bis(2-chloroethoxy)methane	ug/l	59.00	NE	< 10.0	NT	<10.0	< 10.0
Bis(2-chloroethyl)ether	ug/l	0.14	NE	< 10.0	NT	<10.0	< 10.0
Bis(2-chloroisopropyl)ether	ug/l	710.00	NE	< 10.0	NT	<10.0	< 10.0
Bis(2-ethylhexyl)phthalate	ug/l	6.00	NE	< 10.0	NT	<10.0	< 10.0
Butyl benzyl phthalate	ug/l	160.00	NE	< 10.0	NT	<10.0	< 10.0
Carbazole	ug/l	20.00	NE	< 0.200	NT	<0.200	< 0.200
Chrysene	ug/l	250.00	NE	< 0.200	NT	<0.200	< 0.200
Di-n-butyl phthalate	ug/l	900.00	NE	< 10.0	NT	<10.0	< 10.0
Di-n-octyl phthalate	ug/l	200.00	NE	< 10.0	NT	<10.0	< 10.0
Dibenzofuran	ug/l	20.00	NE	< 0.200	NT	<0.200	< 0.200
Diethyl phthalate	ug/l	250.00	NE	< 10.0	NT	<10.0	< 10.0
Dimethyl phthalate	ug/l	0.00	NE	< 10.0	NT	<10.0	< 10.0
Dinoseb	ug/l	7.00	NE	< 10.0	NT	<10.0	< 10.0
Diphenylamine	ug/l	NE	NE	< 10.0	NT	<10.0	< 10.0
Ethyl methanesulfonate	ug/l	NE	NE	< 10.0	NT	<10.0	< 10.0

**Table 6**  
**Summary of SVOCs in Groundwater**  
**Former Leake Oil**  
**448 E. Taggart Road, East Palestine, Ohio**

Sample ID		VAP Standards	US EPA	EQ-24	EQ-25	EB-01
Collection Date		UPUS <sup>2</sup>	Commercial VISL <sup>4</sup>	6/17/2024	6/18/2024	9/17/2024
Parameter	Units <sup>1</sup>					
<b>Semi-Volatile Organic Compounds - SVOCs</b>						
1,2,4,5-Tetrachlorobenzene	ug/l	1.7	NE	<10.0	<10.0	< 10.0
1,2,4-Trichlorobenzene	ug/l	70	432	<10.0	<10.0	< 10.0
1,2-Dichlorobenzene	ug/l	600.00	27,500	<10.0	<10.0	< 10.0
1,3-Dichlorobenzene	ug/l	NE	NE	<10.0	<10.0	< 10.0
1,3-Dinitrobenzene	ug/l	2.00	NE	<10.0	<10.0	< 10.0
1,4-Dichlorobenzene	ug/l	75.00	279	<10.0	<10.0	< 10.0
1-Methylnaphthalene	ug/l	11.00	NE	<0.200	<0.200	< 0.200
1-Naphthylamine	ug/l	NE	NE	<10.0	<10.0	< 10.0
2,3,4,6-Tetrachlorophenol	ug/l	240.00	NE	<10.0	<10.0	< 10.0
2,4,5-Trichlorophenol	ug/l	1,200.00	NE	<10.0	<10.0	< 10.0
2,4,6-Trichlorophenol	ug/l	12.00	NE	<10.0	<10.0	< 10.0
2,4-Dichlorophenol	ug/l	46.00	NE	<10.0	<10.0	< 10.0
2,4-Dimethylphenol	ug/l	360.00	NE	<10.0	<10.0	< 10.0
2,4-Dinitrophenol	ug/l	39.00	NE	<10.0	<10.0	< 10.0
2,4-Dinitrotoluene	ug/l	2.40	NE	<10.0	<10.0	< 10.0
2,6-Dichlorophenol	ug/l	NE	NE	<10.0	<10.0	< 10.0
2,6-Dinitrotoluene	ug/l	0.49	NE	<10.0	<10.0	< 10.0
2-Acetylaminofluorene	ug/l	0.16	NE	<10.0	<10.0	< 10.0
2-Chloronaphthalene	ug/l	750.00	NE	<10.0	<10.0	< 10.0
2-Chlorophenol	ug/l	91.00	NE	<10.0	<10.0	< 10.0
2-Methylnaphthalene	ug/l	36.00	NE	<0.200	<0.200	< 0.200
2-Methylphenol	ug/l	NE	NE	<10.0	<10.0	< 10.0
2-Naphthylamine	ug/l	0.39	NE	<10.0	<10.0	< 10.0
2-Nitroaniline	ug/l	NE	NE	<10.0	<10.0	< 10.0
2-Nitrophenol	ug/l	NE	NE	<10.0	<10.0	< 10.0
2-Picoline	ug/l	NE	NE	<10.0	<10.0	< 10.0
3&4-Methylphenol	ug/l	NE	NE	<10.0	<10.0	< 10.0
3,3'-Dichlorobenzidine	ug/l	1.30	NE	<10.0	<10.0	< 10.0
3-Methylcholanthrene	ug/l	0.04	46	<10.0	<10.0	< 10.0
3-Nitroaniline	ug/l	NE	NE	<10.0	<10.0	< 10.0
4,6-Dinitro-2-methylphenol	ug/l	NE	NE	<10.0	<10.0	< 10.0
4-Aminobiphenyl	ug/l	0.03	NE	<10.0	<10.0	< 10.0
4-Bromophenyl phenyl ether	ug/l	NE	NE	<10.0	<10.0	< 10.0
4-Chloro-3-methylphenol	ug/l	1,400.00	NE	<10.0	<10.0	< 10.0
4-Chloroaniline	ug/l	3.70	NE	<10.0	<10.0	< 10.0
4-Chlorophenyl phenyl ether	ug/l	NE	NE	<10.0	<10.0	< 10.0
4-Nitroaniline	ug/l	38.00	NE	<10.0	<10.0	< 10.0
4-Nitrophenol	ug/l	NE	NE	<10.0	<10.0	< 10.0
4-Nitroquinoline 1-oxide	ug/l	NE	NE	<10.0	<10.0	< 10.0
5-Nitro-o-toluidine	ug/l	NE	NE	<10.0	<10.0	< 10.0
7,12-Dimethylbenz(a)anthracene	ug/l	0.00	NE	<10.0	<10.0	< 10.0
Acenaphthene	ug/l	530.00	NE	<0.200	<0.200	< 0.200
Acenaphthylene	ug/l	520.00	NE	<0.200	<0.200	< 0.200
Acetophenone	ug/l	1,900.00	NE	<10.0	<10.0	< 10.0
Aniline	ug/l	130.00	NE	<10.0	<10.0	< 10.0
Anthracene	ug/l	1,800.00	NE	<0.200	<0.200	< 0.200
Azobenzene	ug/l	NE	25,000	<10.0	<10.0	< 10.0
Benzidine	ug/l	0.00	NE	<10.0	<10.0	< 10.0
Benzo(g,h,i)perylene	ug/l	600.00	NE	<0.200	<0.200	< 0.200
Benzyl alcohol	ug/l	NE	NE	<10.0	<10.0	< 10.0
Bis(2-chloroethoxy)methane	ug/l	59.00	NE	<10.0	<10.0	< 10.0
Bis(2-chloroethyl)ether	ug/l	0.14	NE	<10.0	<10.0	< 10.0
Bis(2-chloroisopropyl)ether	ug/l	710.00	NE	<10.0	<10.0	< 10.0
Bis(2-ethylhexyl)phthalate	ug/l	6.00	NE	<10.0	<10.0	< 10.0
Butyl benzyl phthalate	ug/l	160.00	NE	<10.0	<10.0	< 10.0
Carbazole	ug/l	20.00	NE	<0.200	<0.200	< 0.200
Chrysene	ug/l	250.00	NE	<0.200	<0.200	< 0.200
Di-n-butyl phthalate	ug/l	900.00	NE	<10.0	<10.0	< 10.0
Di-n-octyl phthalate	ug/l	200.00	NE	<10.0	<10.0	< 10.0
Dibenzofuran	ug/l	20.00	NE	<0.200	<0.200	< 0.200
Diethyl phthalate	ug/l	250.00	NE	<10.0	<10.0	< 10.0
Dimethyl phthalate	ug/l	0.00	NE	<10.0	<10.0	< 10.0
Dinoseb	ug/l	7.00	NE	<10.0	<10.0	< 10.0
Diphenylamine	ug/l	NE	NE	<10.0	<10.0	< 10.0
Ethyl methanesulfonate	ug/l	NE	NE	<10.0	<10.0	< 10.0



**APPENDIX A**  
**VAP COMPLIANT LIMITED PHASE II INVESTIGATION**

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## VAP COMPLIANT LIMITED PHASE II INVESTIGATION

**Leake Oil Property  
448 East Taggart Street  
East Palestine, Columbiana County, Ohio 44413**

**August 16, 2024**

**DRAFT**

PREPARED FOR: Ohio Environmental Protection Agency  
Division of Environmental Response and Revitalization  
50 W. Town Street Suite 700  
Columbus, Ohio 43215  
Project Number: 2296.17

PREPARED BY: Partners Environmental Consulting, Inc.  
31100 Solon Road, Suite G  
Solon, Ohio 44139  
Phone: (800) 7631363  
Fax: (518) 734-0132

This report has been prepared by Partners for the benefit of our Client in accordance with the approved scope of work. Partners assumes no liability for the unauthorized use of information, conclusions or recommendations included in this report by a third party.

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## 1.0 INTRODUCTION

Partners was contracted by the Ohio Environmental Protection Agency (EPA/Client) to conduct an Ohio Voluntary Action Program (VAP) compliant Limited Phase II Investigation (Phase II) at the Leake Oil Property located at 448 East Taggart Street in East Palestine, Columbiana County, Ohio 44413. The location of the Property is depicted on **Figure 1**.

The Property is listed on the Columbiana County Auditors website as four (4) individual tax parcel identified as Parcel Numbers (PPNs) 68-02546.000, 68-02547.000, 68-02548.000, and 68-00528.000. The Property is comprised of approximately 0.75 acres of exempt property and is currently zoned as Residential – Single Family Housing (RD) and Heavy Industrial (I-2). The Property is currently owned by the Columbiana County Land Reutilization Corporation (CCLRC).

Historically the Property has been utilized as a gasoline filling station, truck repair, and a bulk petroleum transfer facility.

## 2.0 PREVIOUS INVESTIGATIONS

The Ohio EPA provided Partners with the narrative of an ASTM and Voluntary Action Program (VAP) compliant Phase I Property Assessment (PA) report completed by Burgess & Niple, Inc. (B&N) in February 2024. The Report is titled *VAP Phase I Property Assessment, Former Triple L Trucking Co., Inc., 448 East Taggart Street, East Palestine, Ohio*.

Findings of the PA identified the following recognized environmental condition(s) (RECs) and/or Identified Area(s) (IAs) associated with the Property and are summarized below. A copy of the provided narrative is provided in **Appendix D**.

- **REC-1/IA-1: Former BUSTR NFA** – Two former underground storage tanks (USTs) received a No Further Action (NFA) in 1996, aboveground piping and underground piping. Chemicals of Concern: Volatile Organic Compounds (VOCs), Semi-Volatile Organic Compounds (SVOCs), and Total Petroleum Hydrocarbons (TPH) for gasoline range organics (GRO) and diesel range organics (DRO).
- **REC-2/IA-2: Former Pump House:** The former pump house and one (1) UST-Pump house which housed all valving, pumps, and an adjacent 1,000-gallon UST. An existing groundwater “interceptor Trench” was constructed in Spring 2023, adjacent to the pump house and extends east. Chemicals of concern: VOCs, SVOCs, and TPH (GRO & DRO).
- **REC-3/IA-3: Five Former Aboveground Storage Tanks (ASTs):** There are four (4) existing ASTs, and one (1) former AST located north of Sulphur Run, where there is potential for a historical release. All tanks are empty, and the service lines were removed from the AST tank farm to the Pump house in 2023. Chemicals of Concern: VOCs, SVOCs, and TPH (GRO & DRO).
- **REC-4/IA-4: Former Service Station:** The existing structure exists and includes service lines from the pump house to the former pump islands to the south along Taggart, where a former release of petroleum or solvents may have occurred. Chemicals of Concern: VOCs, SVOCs, and TPH (GRO & DRO).

## 3.0 LIMITED PHASE II INVESTIGATION ACTIVITIES

The Limited Phase II Investigation Activities were completed to investigate and delineate potential source areas of the horizontal and vertical extent of the petroleum hydrocarbons and/or hazardous substances from historical operations have impacted the Property, as described in the February 2024 VAP-Compliant Phase I PA completed by B&N.

### 3.1 Scope of Work

The Limited Phase II activities included soil boring installation and sampling and groundwater monitoring well installation and sampling. Partners advanced 51 soil borings, installed 11 new groundwater monitoring wells.

## 3.2 Methods of Assessment

### 3.2.1 Geophysical Survey and Ground Penetrating Radar

On May 29, 2024 and June 15, 2024, geophysical surveys were conducted at the Property to identify any underground structures and utilities including any undocumented UST systems. Electromagnetic (EM) and ground penetrating radar (GPR) instruments were used at the Property. No anomalies were identified on the southern portion of the Property, product piping was identified near the northern AST farm. Copies of the Geophysical Survey reports are included in **Appendix E**.

### 3.2.2 Soil Boring, Sampling, Field Screening and Analysis

From June 3, 2024 through June 21, 2024, 51 soil borings were advanced on the Property. Of these 51 borings, 38 were advanced to a maximum depth of 20-feet below ground surface (bgs) and 13 were advanced to a maximum depth of two (2) feet bgs. The borings were advanced continuously from the ground surface to a depth of approximately two (2) to 20 feet below ground surface (bgs) with a track-mounted, direct push (Geoprobe™) sampling system. With approval of the Ohio EPA site manager, the surface to two (2) feet hand auger samples were collected using the Geoprobe™. The Geoprobe™ drives a two (2)-inch outside diameter (OD), stainless steel tube containing a new disposable acetate liner into the subsurface to obtain soil samples. The soil is forced into the liners at continuous four (4)-foot vertical intervals and is then retrieved to the surface. Each four (4)-foot soil sample was further divided into two (2)-foot sample intervals, visually observed, sampled, logged, and classified according to the Unified Soil Classification System (USCS) by a member of Partners' field staff. The soil locations are depicted on **Figure 2**.

Soil samples were divided into two (2) portions. One (1) portion was placed in new pre-cleaned laboratory provided sampling containers for preservation prior to selection of samples for laboratory analysis. The second portion was placed into new re-sealable plastic bags for screening purposes. Samples selected for laboratory analysis were labeled and placed in a cooler containing ice, pending submission to NELAP certified laboratory for chemical analysis. Two (2) sample intervals were submitted to the laboratory from each boring. New disposable nitrile gloves were worn and changed between each sample to prevent cross-contamination. The sampling equipment was decontaminated between events with an Alconox® detergent wash and deionized water rinse.

Soil samples were field screened for the presence of organic vapors using a MiniRAE 3000 Photoionization Detector (PID) manufactured by Honeywell RAE Systems. The PID was calibrated prior to field activities using a known concentration of a gas standard in accordance with the manufacturers' specifications. Soil sample PID readings are included on the soil boring logs in **Appendix A**. Sampling forms are presented in **Appendix B**.

Select soil samples were submitted for laboratory analysis based on a combination of historical information, field observations (visual or odor), PID screening results, the most likely depth of a release, and/or the potential point of compliance. Based on the conditions under assessment, selected soil samples were analyzed for some or all of the following parameters:

- Volatile organic compounds (VOCs) by the USEPA Method 8260 (76 samples),
- Semi-Volatile organic compounds (SVOCs) by the USEPA Method 8270 (76 samples),
- Total Petroleum Hydrocarbons (TPH) – Gasoline Range Organics (GRO) by EPA Method 8015 (76 samples),
- TPH – Diesel Range Organics (DRO) by EPA Method 8015 (76 samples), and
- Lead by EPA Method 6010 (13 samples).

Soil samples were labeled, placed in a cooler with ice, and submitted for analysis under appropriate chain-of-custody control to ALS Environmental, a NELAP accredited laboratory located in Cincinnati, Ohio, Holland, Michigan, and Middletown, Pennsylvania. The laboratory analytical reports are included in **Appendix C**.



### 3.2.3 Groundwater Monitoring Well Installation, Sampling, and Analysis

From June 3, 2024 through June 21, 2024, 11 groundwater monitoring wells (designated MW-1 through MW-11) were installed at the Property. The monitoring wells were constructed with two (2)-inch diameter polyvinyl chloride (PVC) riser and 0.010" slotted screen (10-feet in length) positioned to span the groundwater interface. The monitoring well riser and screen were connected using threaded joints. The annular space was filled with sand to approximately two (2)-feet above the screened interval. Hydrated bentonite chips filled the remaining annular space to the surface. The wells were completed at the surface with steel flush-mount protective covers set in a concrete pad. The monitoring wells were installed through 4.25-inch inner diameter hollow stem augers (HSA). The monitoring well logs are included in **Appendix B**. The monitoring well locations are depicted on **Figure 2**.

During the week of June 17, 2024, gauging of monitoring wells MW-02 and MW-10 detected light non-aqueous phase liquids (LNAPL). On July 2, 2024, July 8, 2024, and July 12, 2024, monitoring was conducted to monitor if the LNAPL returned to the wells after bailing the LNAPL. LNAPL was present in monitoring wells MW-02 and MW-10 after each of the three gauging/bailing events. A total of 1.9 liters of LNAPL has been recovered from the two monitoring wells. Recovery of LNAPL was conducted with traditional bailers and hydrocarbon recovery bailers (Clear PVC eco Bailers). A summary of the bailing events is presented in **Table 1A**.

On June 10, 2024, the six (6) groundwater monitoring wells on the southern portion of the Property were developed by pumping and surging approximately three (3) to five (5) well volumes from each well, or until the development groundwater was visibly clear. A whaler pump was used to develop the monitoring wells. Static water level was measured to the nearest 0.01-ft using a hydrocarbon/water interface probe.

On June 19, 2024, the five (5) groundwater monitoring wells on the northern portion of the Property were developed by pumping and surging approximately three (3) to five (5) well volumes from each well, or until the development groundwater was visibly clear. A whaler pump was used to develop the monitoring wells. Static water level was measured to the nearest 0.01-ft using a hydrocarbon/water interface probe.

From June 19 through June 21, 2024, the nine (9) groundwater monitoring wells not exhibiting LNAPL were sampled using a QED SamplePro portable Micropurge bladder pump, QED Micropurge Basics controller with a compressed gas cylinder, and disposable polyethylene bladders/tubing. Groundwater samples were obtained by using standard low flow sampling techniques. Based on aquifer characteristics and monitoring well diameter, flow rates of 50-300 milliliters (ml) per minute were utilized. A Horiba U-52 Water Quality Monitoring System with a flow-through cell was used by Partners to monitor groundwater quality.

Depth to groundwater was measured prior to lowering the bladder pump so that the pump intake was placed at the approximate midpoint of the water column or the midpoint of the well screened interval. The bladder pump was lowered slowly into the well. The pump was started at its lowest setting and the pumping rate was slowly increased until discharge was observed at the flow-through cell. The pump speed was adjusted to minimize, or at least stabilize the drawdown of the groundwater in the well. The pump setting, purge rate, cumulative volume purged, and field parameters were recorded at approximate 0.25 to one (1) liter volume intervals during purging. The wells were pumped until a minimum of three (3) well volumes of water were purged, the water quality readings were stable, and/or the purge water had low turbidity readings and appeared clear. During purging, the water was monitored for temperature, pH, specific conductivity, turbidity, dissolved oxygen (DO), and oxidation-reduction potential (ORP). The wells were pumped based on stabilization and filtering criteria stated in the Low-Flow Sampling Technical Guidance Manual and Partners Standard Operating Procedure for Low-Flow sampling. Groundwater samples were collected by disconnecting the flow-through cell and pumping groundwater directly into the appropriate laboratory supplied sample containers as described in the following paragraph.

Groundwater samples to be tested for Volatile Organic Compounds (VOCs) were placed in 40 ml amber glass Volatile Organic Analysis (VOA) vials containing a hydrochloric acid preservative. Samples to be tested for Semi-Volatile Organic Compounds (SVOCs) were placed in a 500 ml amber glass and were unpreserved. Samples were labeled and placed into a cooler containing ice, stored at approximately 4°C,

and submitted under appropriate chain-of-custody control to ALS Environmental (CL0022) for analysis. The laboratory analytical report is included in **Appendix C**.

Groundwater samples were collected and submitted for laboratory analyses of the following parameters:

- VOCs by USEPA Method 8260 (nine [9] samples), and
- SVOCs by USEPA Method 8270 (nine [9] samples).

### 3.2.4 Investigation Derived Waste

Soil media generated from soil boring field activities, excess soil cuttings, field screened soil was containerized in 12 Department of Transportation (DOT)-approved 55-gallon drum. Purge and decontamination water generated during groundwater development and sampling activities was containerized in six (6) Department of Transportation (DOT)-approved 55-gallon drums. The drums were properly labeled and temporarily staged on the Property. Based on data collected during this investigation, the containerized soil is characterized as non-hazardous. It is in the process of being removed for off-Property disposal.

## 4.0 POTENTIALLY APPLICABLE COMPARISON STANDARDS

Although the Property is not going through the Ohio EPA VAP, the program has promulgated standards under state environmental law that establish levels that are considered protective of human health and the environment. For Petroleum sites, the VAP rules require the use of BUSTR standards or the development of site specific standards following VAP procedures. These standards were used for evaluation of Property conditions. Partners understands that the potential land use of the Property has not been determined.

### Evaluation of Soil

The Ohio EPA VAP Generic Numerical Direct Contact Soil Standards (GDSCS) for the Commercial/Industrial Land Use Category, and Construction/Excavation Activities Category (Ohio Administrative Code [OAC] 3745-300-08) were used for evaluation of the soil sample analytical results.

Further, the Ohio Bureau of Underground Storage Tank Regulations (BUSTR) Closure Action Levels (OAC 1301:7-9-13) were also used for the evaluation soil sample analytical results.

### Evaluation of Groundwater

Results of the groundwater sample analysis were compared to the Ohio EPA VAP Generic and Risk-Based Unrestricted Potable Use Standards (UPUS, OAC Rule 3745-300-08, Appendix Table VIII and IX). The UPUS standards were developed based on the assumption that groundwater will be used as a source for drinking, cooking, and bathing. The Ohio BUSTR Groundwater Ingestion Levels and Groundwater to Indoor Air Levels (OAC 1301:7-9-13) were used for the evaluation of petroleum constituents.

Results of the groundwater analyses sample analysis were also compared to the USEPA Vapor Intrusion Screening Levels (VISL) Target Groundwater Concentrations for Commercial Land Use and with a carcinogenic risk of  $1E^{-5}$ , hazard quotient of 1, an attenuation factor (AF) of 0.001, and a groundwater temperature of 11 degrees Celsius in accordance with the Ohio EPA document *Sample Collection and Evaluation of Vapor Intrusion to Indoor Air for Remedial Response, RCRA and VAP*.

## 5.0 FINDINGS

The results of the analytical testing are presented in **Tables 2 through 6** in the appendix.

### 5.1 Subsurface Conditions

The subsurface profile on the southern portion of the Property can be generalized as zero (0) to 10.5 feet of fill consisting of dark brown to black sand or clay with varying amounts of sand and gravel. Gravel fill is present in the former UST cavity. Underlying the fill material are gray clays with varying amounts of sand and fine gravel with a petroleum odor and varying amounts of interbedded sand and silt seams to the terminal depths of the borings. The subsurface profile on the southern bank of the stream can be

generalized as 0.5 to three (3) feet of brown or gray clay with hydrocarbon odor overlying gray sands with hydrocarbon odor. Native soils were observed to have hydrocarbon odors and staining at various locations.

The subsurface profile on the northern portion of the Property can be generalized zero (0) to five (5) feet of brown fill sand overlying brown sandy clay and silty clay with varying amounts of hydrocarbon odors and staining in select locations. Copies of the borings and well logs are included in **Appendix A**.

## 5.2 Soil Analytical Results

**VOCs:** Results of analytical testing indicate that 26 VOCs were detected in the soil samples at concentrations above laboratory reporting limits (RLs). All detected VOCs were below the respective GDSC standards and BUSTR Action Levels cited for comparison except for the following:

- Benzene was detected above the Ohio BUSTR Closure Action Level (0.246 mg/kg) in the below samples:
  - DUP6324 (SB-09 4-6 FT) had a benzene concentration of 2.4 mg/kg, above the Closure and Delineation Action Level. The SB-09 (4-6 FT) soil sample was non-detect for benzene.
  - SB-16 (8-10 FT) had a benzene concentration of 0.55 mg/kg, above the Closure Action Level.
  - SB-16 (10-12 FT) had a benzene concentration of 0.62 mg/kg, above the Closure Action Level.
  - MW-02 (6-8 FT) had a benzene concentration of 0.68 mg/kg, above the Closure Action Level.
  - MW-02 (10-12 FT) had a benzene concentration of 4.8 mg/kg, above the Closure and Delineation Action levels.
  - SB-32 (2-4 FT) had a benzene concentration of 1.1 mg/kg, above the Closure Action Level.
- Naphthalene was detected above the Ohio BUSTR Closure Action Level (0.511 mg/kg) in the below samples:
  - SB-09 (4-6 FT) had a naphthalene concentration of 5.1 mg/kg. DUP 6324 (SB-09 4-6 FT) had a naphthalene concentration of 1.6 mg/kg.
  - SB-11 (4-6 FT) had a naphthalene concentration of 3.7 mg/kg.
  - SB-13 (8-10 FT) had a naphthalene concentration of 8.2 mg/kg.
  - SB-14 (6-8 FT) had a naphthalene concentration of 4.3 mg/kg. DUP6424 (SB-14 6-8) had a naphthalene concentration of 7.4 mg/kg.
  - SB-16 (8-10 FT) had a naphthalene concentration of 5.9 mg/kg.
  - SB-16 (10-12 FT) had a naphthalene concentration of 4.8 mg/kg.
  - SB-17 (8-10 FT) had a naphthalene concentration of 1.0 mg/kg.
  - MW-02 (6-8 FT) had a naphthalene concentration of 4.2 mg/kg.
  - MW-02 (10-12 FT) had a naphthalene concentration of 4.8 mg/kg.
  - MW-06 (4-6 FT) had a naphthalene concentration of 2.1 mg/kg.
  - SB-32 (2-4 FT) had a naphthalene concentration of 0.95 mg/kg.
  - SB-34 (2-4 FT) had a naphthalene concentration of 0.63 mg/kg (estimated).
  - SB-35 (2-4 FT) had a naphthalene concentration of 5.4 mg/kg.
  - SB-35 (4-6 FT) had a naphthalene concentration of 5.5 mg/kg.
  - MW-08 (4-6 FT) had a naphthalene concentration of 0.91 mg/kg.
  - MW-08 (6-8 FT) had a naphthalene concentration of 1.5 mg/kg.
  - MW-10 (6-8 FT) had a naphthalene concentration of 6.2 mg/kg.
  - MW-10 (8-10 FT) had a naphthalene concentration of 0.62 mg/kg.
  - SB-28 (4-6 FT) had a naphthalene concentration of 11.8 mg/kg.
  - SB-28 (6-8 FT) had a naphthalene concentration of 6.0 mg/kg.
- 1,2,4-Trimethylbenzene was detected above the Ohio BUSTR Closure Action Level (2.37 mg/kg) in the below samples:

- SB-09 (4-6 ft) had a 1,2,4-trimethylbenzene concentration of 25.1 mg/kg. DUP 6324 (SB-09 4-6 FT) had a 1,2,4-trimethylbenzene concentration of 5.9 mg/kg.
- MW-02 (6-8 FT) had a 1,2,4-trimethylbenzene concentration of 3.4 mg/kg.
- SB-35 (2-4 FT) had a 1,2,4-trimethylbenzene concentration of 15.2 mg/kg.
- SB-35 (4-6 FT) had a 1,2,4-trimethylbenzene concentration of 10.6 mg/kg.
- MW-08 (4-6 FT) had a 1,2,4-trimethylbenzene concentration of 5.8 mg/kg.
- MW-08 (6-8 FT) had a 1,2,4-trimethylbenzene concentration of 5.8 mg/kg.
- MW-10 (6-8 FT) had a 1,2,4-trimethylbenzene concentration of 29 mg/kg.
- MW-10 (8-10 FT) had a 1,2,4-trimethylbenzene concentration of 14 mg/kg.

**SVOCs:** Laboratory results indicated that 15 SVOC were detected in soil samples at concentrations above laboratory RLs. All detected SVOCs were below the respective GDCS Standards and Ohio BUSTR Action Levels cited for comparison except for the following:

- Naphthalene was detected above the Ohio BUSTR Closure Action Level (0.511 mg/kg) in the below samples:
  - SB-15 (6-8 FT) had a naphthalene concentration of 0.84 mg/kg.
  - SB-16 (8-10 FT) had a naphthalene concentration of 1.3 mg/kg.
  - SB-16 (10-12 FT) had a naphthalene concentration of 1.2 mg/kg.
  - MW-02 (6-8 FT) had a naphthalene concentration of 1.3 mg/kg.
  - MW-02 (10-12 FT) had a naphthalene concentration of 1.5 mg/kg.
  - SB-32 (2-4 FT) had a naphthalene concentration of 1.0 mg/kg.
  - SB-34 (2-4 FT) had a naphthalene concentration of 1.1 mg/kg.
  - SB-35 (2-4 FT) had a naphthalene concentration of 0.53 mg/kg.
  - MW-08 (4-6 FT) had a naphthalene concentration of 2.2 mg/kg.
  - MW-08 (6-8 FT) had a naphthalene concentration of 1.8 mg/kg.
  - MW-10 (6-8 FT) had a naphthalene concentration of 7.8 mg/kg.
  - MW-10 (8-10 FT) had a naphthalene concentration of 1.7 mg/kg.
  - DUP 6524 (SB-26 8-10 FT) had a naphthalene concentration of 0.61 mg/kg.
  - SB-28 (4-6 FT) soil sample had a naphthalene concentration of 0.82 mg/kg.
  - SB-28 (6-8 FT) soil sample had a naphthalene concentration of 0.51 mg/kg.

**TPH:** Laboratory results indicated that three TPH analytes (GRO, DRO, and C20-C34) were detected in soil samples at concentrations above laboratory RLs. All detected TPH analytes were below the respective Ohio BUSTR Action Levels cited for comparison except for the following:

- **GRO** was detected above the Ohio BUSTR Closure Action Level (1,000 mg/kg) for sand and gravel/unknown soil type in the below samples:
  - SB-13 (8-10 FT) had a GRO concentration of 1,350 mg/kg.
  - SB-28 (4-6 FT) had a GRO concentration of 1,680 mg/kg.
  - SB-28 (6-8 FT) had a GRO concentration of 1,190 mg/kg.
- **DRO** was detected above the Ohio BUSTR Closure Level (2,000 mg/kg) for sand and gravel/unknown soil type in the below samples:
  - SB-11 (4-6 FT) had a DRO concentration of 3,650 mg/kg.
  - SB-16 (8-10 FT) had a DRO concentration of 2,150 mg/kg.
  - MW-08 (4-6 FT) had a DRO concentration of 2,100 mg/kg.
  - SB-28 (4-6 FT) had a DRO concentration of 3,110 mg/kg.

**Lead:** Laboratory results indicated that lead was detected in 13 soil samples at concentrations above laboratory RLs. All detected lead concentrations were below the respective Ohio VAP GDCS for Commercial/Industrial Land Use (800 mg/kg) and Construction/Excavation Activities (400 mg/kg) categories cited for comparison except for the following:

- HA-12 (0-2 FT) had a lead concentration of 790 mg/kg, above Ohio VAP GDSC Construction and Excavation Activities category.
- HA-13 (0-2 FT) had a lead concentration of 1,600 mg/kg, above the Ohio VAP GDSC Commercial/Industrial Land Use and Construction/Excavation Activities categories.
- HA-03 (0-2 FT) had a lead concentration of 1,010 mg/kg, above the Ohio VAP GDSC Commercial/Industrial Land Use and Construction/Excavation Activities categories.
- HA-05 (0-2 FT) had a lead concentration of 479 mg/kg, above the Ohio VAP GDSC Commercial/Industrial Land Use category.

The results of the soil testing are summarized in **Tables 2, 3, and 4**.

### 5.3 Groundwater Analytical Results

**VOCs:** Results of analytical testing indicate that 18 VOCs were detected in groundwater at concentrations above laboratory method detection limits (MDLs). All detected VOCs were below the applicable Ohio VAP UPUS, USEPA VISL, and/or Ohio BUSTR Groundwater Ingestion and Groundwater to Indoor Air levels cited for comparison with the following exceptions:

- **Benzene** was detected above the Ohio VAP UPUS level (5 ug/l) and the Ohio BUSTR Groundwater Ingestion Level (5 ug/l) in the below samples:
  - MW-04 groundwater sample had a benzene concentration of 17 ug/l.
  - MW-06 and corresponding DUP-01 groundwater samples had a benzene concentration of 120 ug/l.
- **Naphthalene** was detected above the Ohio VAP UPUS (1.7 ug/l) and the Ohio BUSTR Groundwater Ingestion Level (1.4 ug/l) in the below samples:
  - MW-06 and corresponding DUP-01 groundwater samples had a naphthalene concentration of 190 ug/l.

**SVOCs:** All SVOC analytical results were below the applicable Ohio VAP UPUS cited for comparison with the following exceptions:

- **1-Methylnaphthalene** was detected above the Ohio VAP UPUS level (11 ug/l) in the below sample:
  - MW-06 and corresponding DUP-01 groundwater samples had a 1-Methylnaphthalene concentration of 25 and 24.8 ug/l above the Ohio VAP UPUS.
- **Naphthalene** was detected above the Ohio VAP UPUS (1.7 ug/l) and the Ohio BUSTR Groundwater Ingestion Level (1.4 ug/l) in the below sample:
  - MW-06 and corresponding DUP-01 groundwater samples had a benzene concentration of 59.4 and 60 ug/l, above the Ohio VAP UPUS.

The results of groundwater testing are summarized in **Tables 5 and 6**.

### 5.4 QA/QC Sampling and Testing

Quality Assurance/Quality Control (QA/QC) samples consisted of duplicate samples, trip blanks, and equipment blanks. The equipment blanks consisted of samples collected by passing organic-free water or deionized water over decontaminated sampling equipment and into the sample container. The following is a summary of the QA/QC samples collected during the Phase II Property Assessment.

- Duplicate Soil Samples: Five (5) duplicate soil samples were collected. The duplicate samples were submitted for analysis of VOCs, PAHs, and Metals.
- Duplicate Groundwater Samples: One (1) duplicate sample was submitted for VOCs, PAHs, and Metals analysis.



- Three (3) trip blanks were submitted for VOCs analysis. Two (2) equipment blanks were obtained for analysis of VOCs, PAHs, and Metals.

A review of laboratory narratives, an examination of all flagged compounds, and QA/QC blank sample results suggest that laboratory analysis and field procedures were generally consistent and that no significant or identifiable cross-contamination occurred between samples, equipment, or field blanks was detected during Phase II activities, except for the following:

- A laboratory prepared trip blank that was received by the laboratory on June 7, 2024 included detections and estimated detections of 2-Butanone, Acetone, Bromomethane, Methylene chloride, and Toluene. Common laboratory contaminants include acetone, methylene chloride, and toluene and since no other petroleum chemicals of concern were detected these detections are not a concern.
- Two samples (SB-9 4 to 6 and SB-14 6 to 8) and their respective duplicates had Relative Percent Difference (RPD) calculations higher than 30%. The RPD is the difference between the results divided by the mean of the results multiplied by 100 to get percent. The combined soil heterogeneity, varying moisture content, and high levels of petroleum constituents is likely contributing to the high RPD.

Additionally, laboratory data qualifiers reported indicated that laboratory QA/QC sample deviations were explainable, generally acceptable, and were not expected to adversely affect analytical results. Therefore, the analytical results presented are deemed acceptable for this project.

Olive grey CLAY, silty, hydrocarbon odor/stinky

Grey, SILTY SANDS, fine to medium, trace gravel, clay pockets,

## 6.0 LIMITATIONS

The analytical results and conclusions presented in this report are based on the completion of a limited number of soil borings, monitoring wells, sub-slab vapor points, and limited analytical testing. Although the results presented above provide a reasonable indication of conditions in the areas evaluated, they may not be indicative of conditions in areas of the Property not evaluated by Partners.

## 7.0 CONCLUSIONS AND RECOMMENDATIONS

Based on the Limited Phase II, Partners presents the following summary and conclusions regarding the Property.

### Soil Testing

Based on the results of analytical testing, soil has been impacted by petroleum hydrocarbons, VOCs, SVOCs, and/or lead at concentrations exceeding cited comparison standards. Groundwater elevations indicate static groundwater levels are between 6.3 to 10.5 feet bgs. A summary of exceedances by IA at depths less than eight (8) feet bgs are listed below.

#### IA-01:

No concentrations of VOCs, SVOCs, TPH, or lead were found in exceedance of cited comparison standards.

#### IA-02:

Benzene was found at concentrations above Ohio BUSTR Closure Action Levels at boring location SB-09. 1,2,4-Trimethylbenzene exceeded Ohio BUSTR Closure Action Levels in soil samples collected at MW-02 and SB-35. Naphthalene was found at concentrations above the BUSTR Closure Action Levels at MW-02, SB-32, and SB-34. TPH GRO was found in concentrations above BUSTR Closure Action levels at SB-13. DRO was found at concentrations above BUSTR Closure Action levels at SB-11 and SB-16.

**IA-03:**

DRO was detected in soil at concentrations above BUSTR Closure Action Levels at boring location MW-08. Lead was found at concentrations exceeding Ohio VAP GDCS for Commercial/Industrial Land Use and/or Construction/Excavation Activities at boring locations HA-12 and HA-13.

**IA-04:**

Naphthalene was found at concentrations exceeding Ohio BUSTR Closure levels at SB-28. GRO and DRO were found in soil at concentrations exceeding BUSTR Closure and Action Levels at SB-28. Lead was found at concentrations exceeding Ohio VAP GDCS for Commercial/Industrial Land Use and Construction/Excavation Activities at HA-03. Lead concentrations at HA-05 exceeded Ohio VAP GDCS Construction/Excavation Activities.

Soil Analysis Recommendations:

Further assessment of soil is warranted to delineate impacts of VOCs, SVOCs, TPH, and lead found at concentrations exceeding cited comparison standards in IA-02, IA-03, and IA-04.. Further steps would include additional soil borings in the vicinity of soil exceedances, and/or the excavation and disposal of impacted soils from the Property.

**Groundwater Testing**

Based on the results for analytical testing, groundwater on the Property has been impacted by VOCs and SVOCs at concentrations exceeding cited comparison standards. A summary of exceedances by IA are listed below.

**IA-01:**

No VOCs or SVOCs were found in groundwater exceeding cited comparison standards.

**IA-02:**

Benzene was found in concentrations exceeding Ohio VAP UPUS and BUSTR Groundwater Ingestion Limits in samples collected from monitoring wells MW-03 and MW-06. N-Propylbenzene and 1-methylnaphthalene were found at concentrations exceeding the Ohio VAP UPUS in the sample collected from monitoring well MW-06. Naphthalene was found at concentrations exceeding Ohio VAP UPUS and BUSTR Groundwater ingestion levels in the sample collected from monitoring well MW-06.

Additionally, monitoring well MW-02 was found to contain LNAPL and was not sampled. The LNAPL was recovered and additional LNAPL returned to the well within five (5) days after initial recovery.

**IA-03:**

No concentrations of VOCs or SVOCs were found in groundwater exceeding cited comparison standards.

MW-10 was found to contain LNAPL and was not sampled. The LNAPL was recovered and additional LNAPL returned to the well within five (5) days after initial recovery.

**IA-04:**

No groundwater monitoring wells were installed in IA-04.

Groundwater Assessment Recommendations

Further assessment of the groundwater is warranted to delineate free phase LNAPL in MW-02 and MW-10, as well as VOC and SVOC concentrations in IA-02 and IA-04. Next steps should include continuing LNAPL recovery at MW-02 and MW-10 and the installation of additional monitoring wells to further delineate impacts of VOCs, SVOCs, and extent of free phase LNAPL in IA-02 and IA-03.

## 8.0 CLOSING

Thank you for the opportunity to serve your needs. Please call us at (800) 763-1363 if you have any questions or if we can be of any further assistance.

Sincerely,  
**Partners**

**DRAFT**

Jeremy R. Kendle  
Project Manager

**DRAFT**

Douglas Darrah  
Senior Project Manager

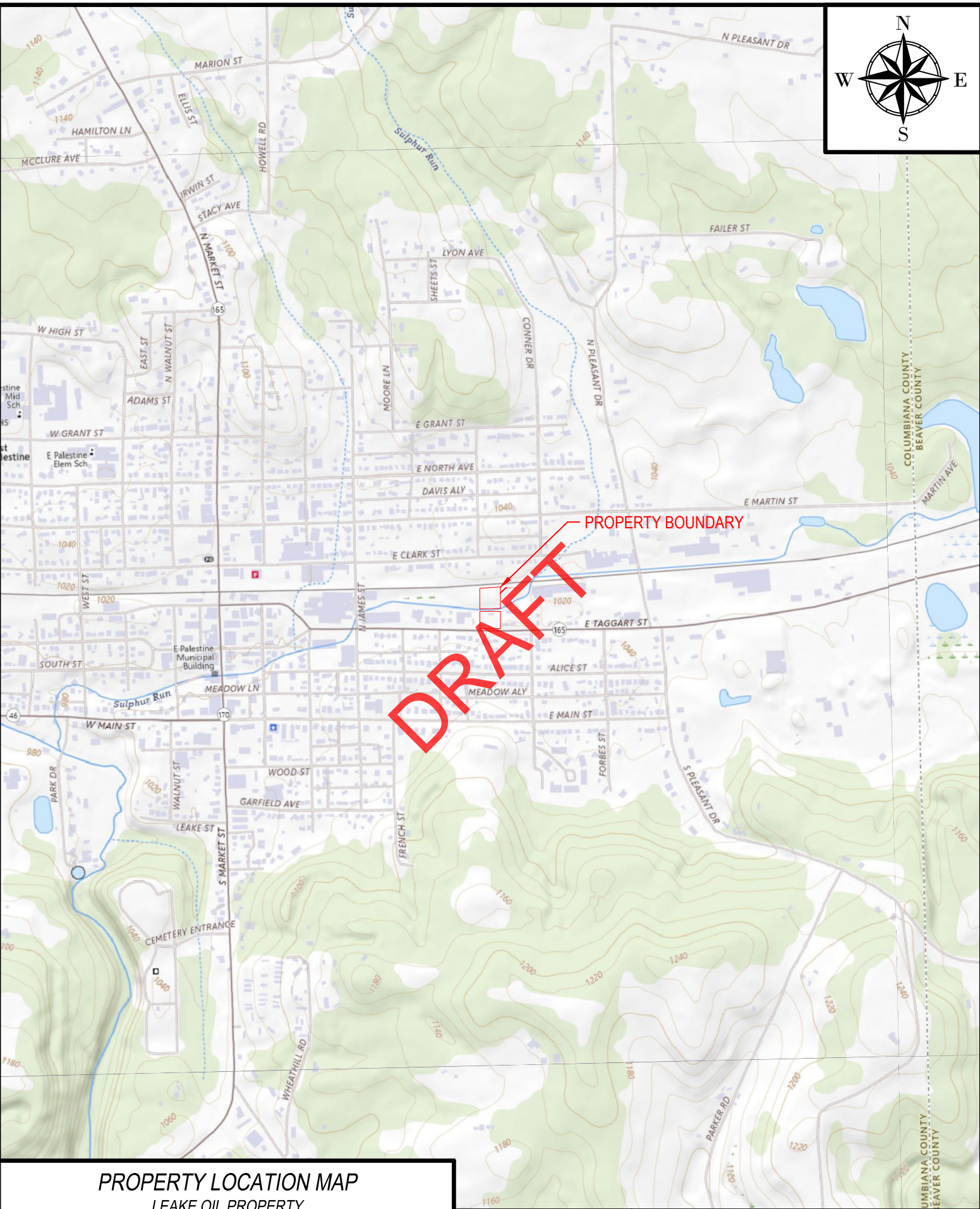
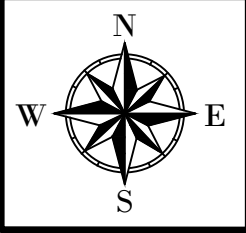
**DRAFT**

John Garvey, PG, CP  
Vice President

**DRAFT**

**DRAFT**  
**FIGURES**

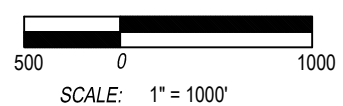




### PROPERTY LOCATION MAP

LEAKE OIL PROPERTY  
EAST PALESTINE  
COLUMBIA COUNTY, OHIO  
FOR: OHIO EPA DERR  
2296.17

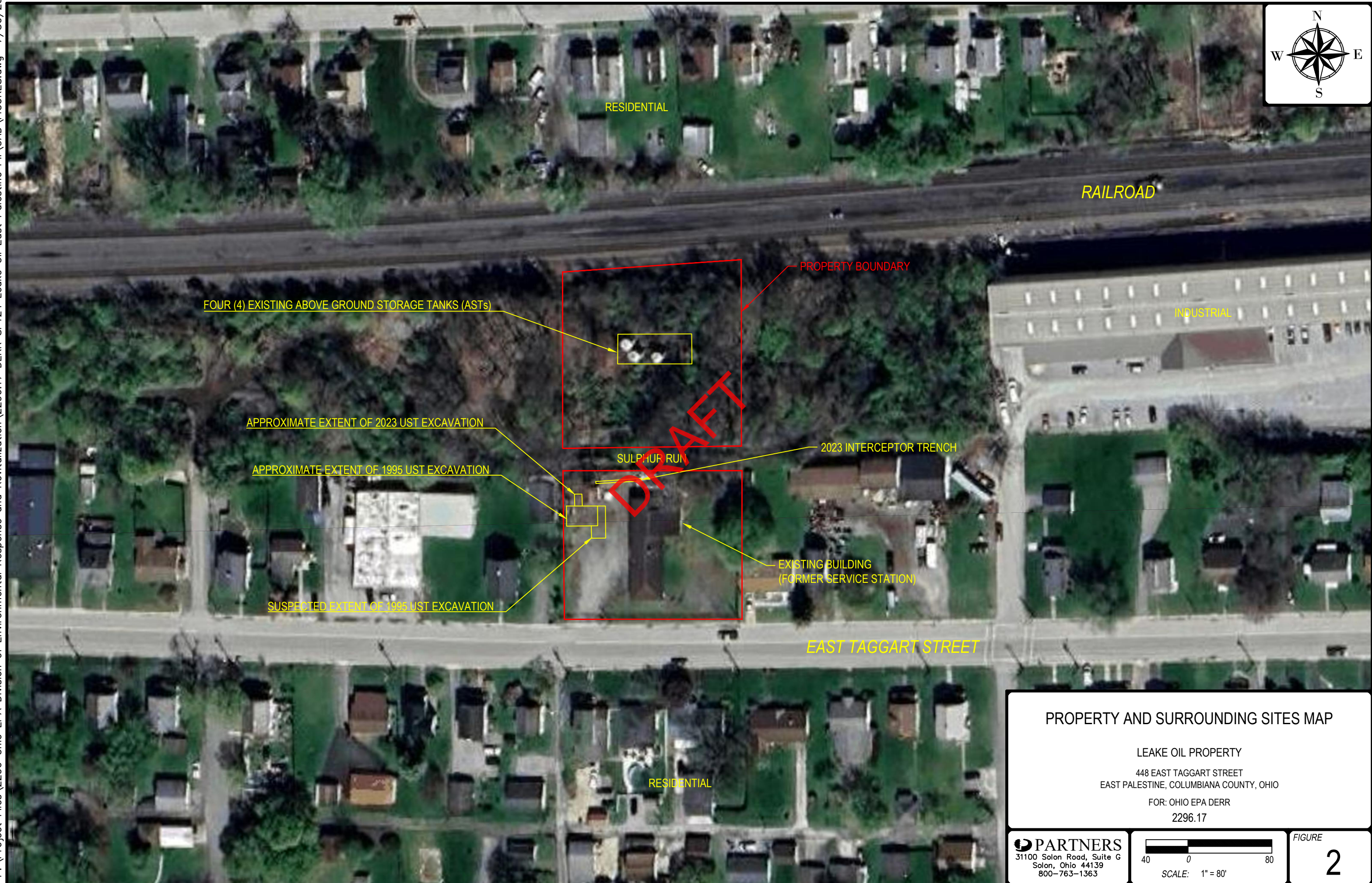
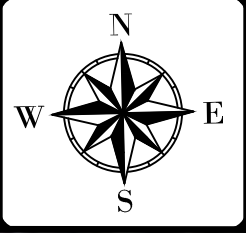
**PARTNERS**  
31100 Solon Road, Suite G  
Solon, Ohio 44139  
800-763-1363



FIGURE

1





**PROPERTY AND SURROUNDING SITES MAP**

LEAKE OIL PROPERTY  
 448 EAST TAGGART STREET  
 EAST PALESTINE, COLUMBIANA COUNTY, OHIO

FOR: OHIO EPA DERR  
 2296.17

**PARTNERS**  
 31100 Solon Road, Suite G  
 Solon, Ohio 44139  
 800-763-1363

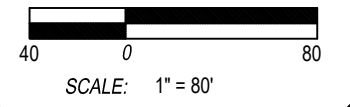
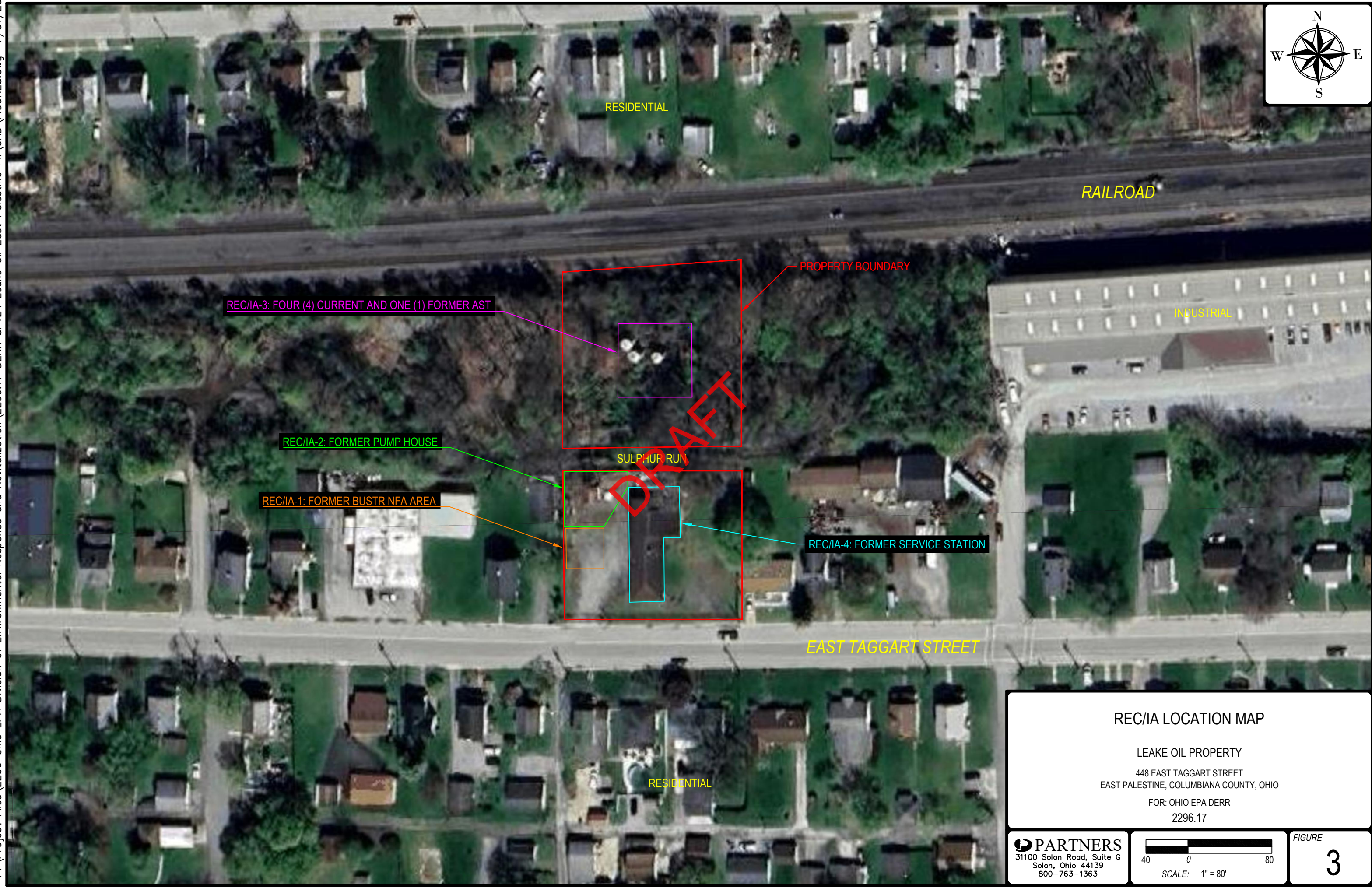
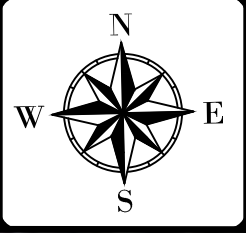


FIGURE  
**2**





**REC/IA LOCATION MAP**

LEAKE OIL PROPERTY  
 448 EAST TAGGART STREET  
 EAST PALESTINE, COLUMBIANA COUNTY, OHIO

FOR: OHIO EPA DERR  
 2296.17

**PARTNERS**  
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 Solon, Ohio 44139  
 800-763-1363

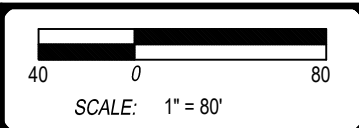
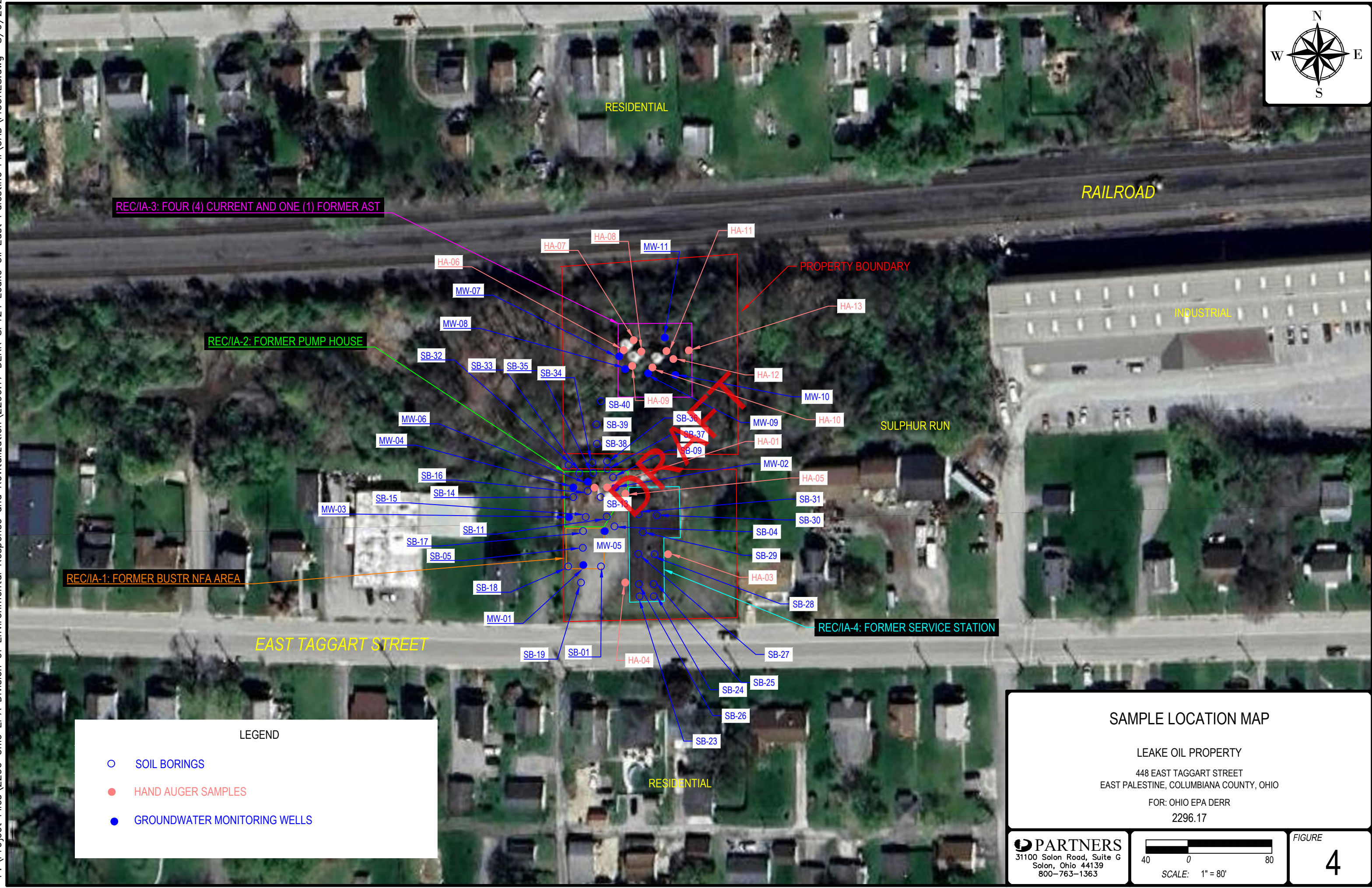
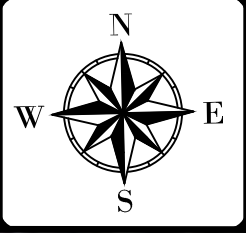


FIGURE  
**3**





REC/IA-3: FOUR (4) CURRENT AND ONE (1) FORMER AST

REC/IA-2: FORMER PUMP HOUSE

REC/IA-1: FORMER Bustr NFA AREA

REC/IA-4: FORMER SERVICE STATION

**LEGEND**

- SOIL BORINGS
- HAND AUGER SAMPLES
- GROUNDWATER MONITORING WELLS

**SAMPLE LOCATION MAP**

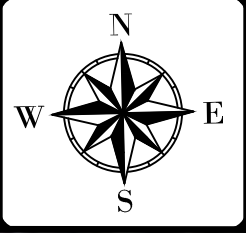
LEAKE OIL PROPERTY  
 448 EAST TAGGART STREET  
 EAST PALESTINE, COLUMBIANA COUNTY, OHIO  
 FOR: OHIO EPA DERR  
 2296.17

**PARTNERS**  
 31100 Solon Road, Suite G  
 Solon, Ohio 44139  
 800-763-1363

40 0 80  
 SCALE: 1" = 80'

FIGURE  
**4**





PROPERTY BOUNDARY

ID	Analyte	Result (mg/kg)
MW-08 (4-6 FT)	1,2,4-Trimethylbenzene	5.8
	Naphthalene	0.91
MW-08 (6-8 FT)	1,2,4-Trimethylbenzene	5.8
	Naphthalene	1.5

ID	Analyte	Result (mg/kg)
SB-35 (2-4 FT)	1,2,4-Trimethylbenzene	15.2
	Naphthalene	5.4
SB-35 (4-6 FT)	1,2,4-Trimethylbenzene	10.6
	Naphthalene	5.5

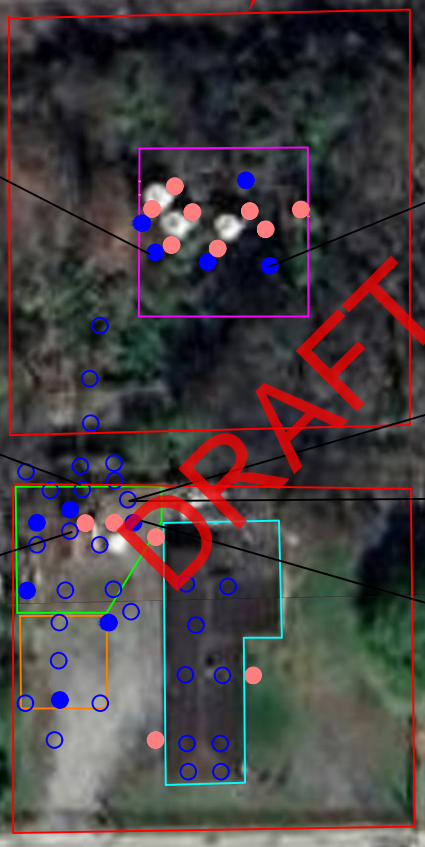
ID	Analyte	Result (mg/kg)
SB-16 (8-10FT)	Benzene	0.55
	Naphthalene	5.9
SB-16 (10-12FT)	Benzene	0.62
	Naphthalene	4.8

ID	Analyte	Result (mg/kg)
MW-10 (6-8 FT)	1,2,4-Trimethylbenzene	29
	Naphthalene	6.2
MW-10 (8-10 FT)	1,2,4-Trimethylbenzene	14
	Naphthalene	0.62

ID	Analyte	Result (mg/kg)
DUP-6324 (SB-09 4-6FT)	Benzene	2.4
	Naphthalene	1.6
	1,2,4-Trimethylbenzene	5.9

ID	Analyte	Result (mg/kg)
SB-09 (4-6FT)	Naphthalene	5.1
	1,2,4-Trimethylbenzene	25.1

ID	Analyte	Result (mg/kg)
MW-02 (6-8FT)	Benzene	0.68
	1,2,4-Trimethylbenzene	3.4
MW-02 (10-12FT)	Naphthalene	4.2
	Benzene	4.8
	Naphthalene	4.8



Legend			
Analyte	BUSTRClosure Action Level	GDCSComm./Industrial	GDCSConstruction
1,2,4-Trimethylbenzene	2.37	220	220
Benzene	0.246	130	1,200
Naphthalene	0.511	420	560

**VOCS IN SOIL EXCEEDANCE MAP**

LEAKE OIL PROPERTY  
 448 EAST TAGGART STREET  
 EAST PALESTINE, COLUMBIANA COUNTY, OHIO

FOR: OHIO EPA DERR  
 2296.17

**PARTNERS**  
 31100 Solon Road, Suite G  
 Solon, Ohio 44139  
 800-763-1363

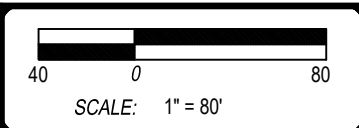
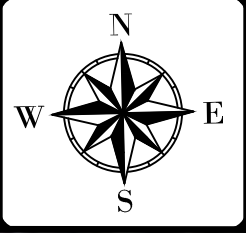


FIGURE  
**5A**





PROPERTY BOUNDARY

ID	Analyte	Result (mg/kg)
MW-06 (4-6 FT)	Naphthalene	2.1

ID	Analyte	Result (mg/kg)
DUP6424 (SB-14 6-8 FT)	Naphthalene	7.4

ID	Analyte	Result (mg/kg)
SB-14 (6-8 FT)	Naphthalene	4.3

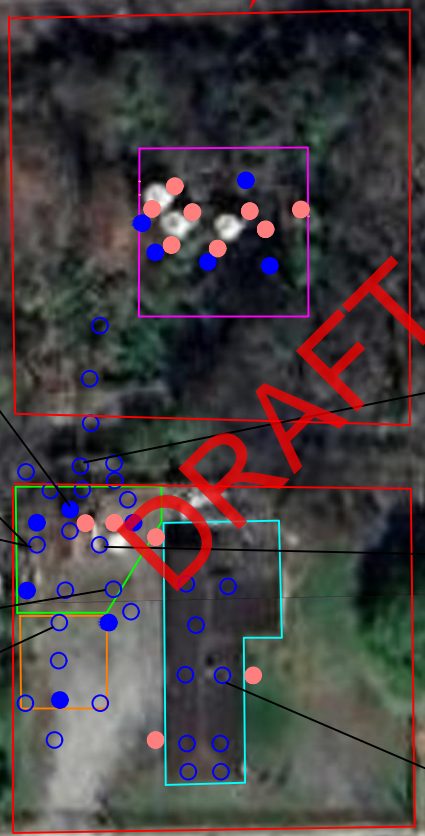
ID	Analyte	Result (mg/kg)
SB-11 (4-6 FT)	Naphthalene	3.7

ID	Analyte	Result (mg/kg)
SB-17 (8-10 FT)	Naphthalene	1.0

ID	Analyte	Result (mg/kg)
SB-34 (2-4 FT)	Naphthalene	0.63

ID	Analyte	Result (mg/kg)
SB-13 (8-10 FT)	Naphthalene	8.2

ID	Analyte	Result (mg/kg)
SB-28 (4-6 FT)	Naphthalene	11.8
SB-28 (6-8 FT)	Naphthalene	6.0



Legend			
Analyte	BUSTRClosure Action Level	GDCSComm./Industrial	GDCSConstruction
1,2,4-Trimethylbenzene	2.37	220	220
Benzene	0.246	130	1,200
Naphthalene	0.511	420	560

VOCS IN SOIL EXCEEDANCE MAP (NAPHTHALENE ONLY)

LEAKE OIL PROPERTY  
 448 EAST TAGGART STREET  
 EAST PALESTINE, COLUMBIANA COUNTY, OHIO  
 FOR: OHIO EPA DERR  
 2296.17

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 Solon, Ohio 44139  
 800-763-1363

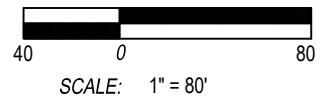
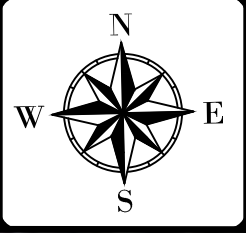


FIGURE  
**5B**





PROPERTY BOUNDARY

ID	Analyte	Result (mg/kg)
MW-08 (4-6FT)	Naphthalene	2.2
MW-08 (6-8 FT)	Naphthalene	1.8

ID	Analyte	Result (mg/kg)
SB-32 (2-4FT)	Naphthalene	1.0

ID	Analyte	Result (mg/kg)
SB-35 (2-4FT)	Naphthalene	0.53

ID	Analyte	Result (mg/kg)
SB-16 (8-10FT)	Naphthalene	1.3
SB-16 (10-12FT)	Naphthalene	1.2

ID	Analyte	Result (mg/kg)
SB-15 (6-8FT)	Naphthalene	0.84

ID	Analyte	Result (mg/kg)
MW-10 (6-8FT)	Naphthalene	7.8
MW-10 (8-10FT)	Naphthalene	1.7

ID	Analyte	Result (mg/kg)
SB-34 (2-4FT)	Naphthalene	1.1

ID	Analyte	Result (mg/kg)
MW-02 (6-8FT)	Naphthalene	1.3
MW-02 (10-12 FT)	Naphthalene	1.5

ID	Analyte	Result (mg/kg)
SB-28 (4-6FT)	Naphthalene	0.82
SB-28 (6-8FT)	Naphthalene	0.51

ID	Analyte	Result (mg/kg)
DUP6524 (SB-268-10 FT)	Naphthalene	0.61

Legend			
Analyte	BUSIRClosure Action Level	GDCSComm./Industrial	GDCSConstruction
Naphthalene	0.511	420	560

**SVOCs IN SOIL EXCEEDANCE MAP**

LEAKE OIL PROPERTY  
 448 EAST TAGGART STREET  
 EAST PALESTINE, COLUMBIANA COUNTY, OHIO  
 FOR: OHIO EPA DERR  
 2296.17

**PARTNERS**  
 31100 Solon Road, Suite G  
 Solon, Ohio 44139  
 800-763-1363

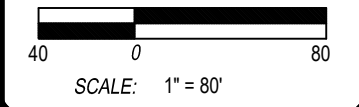
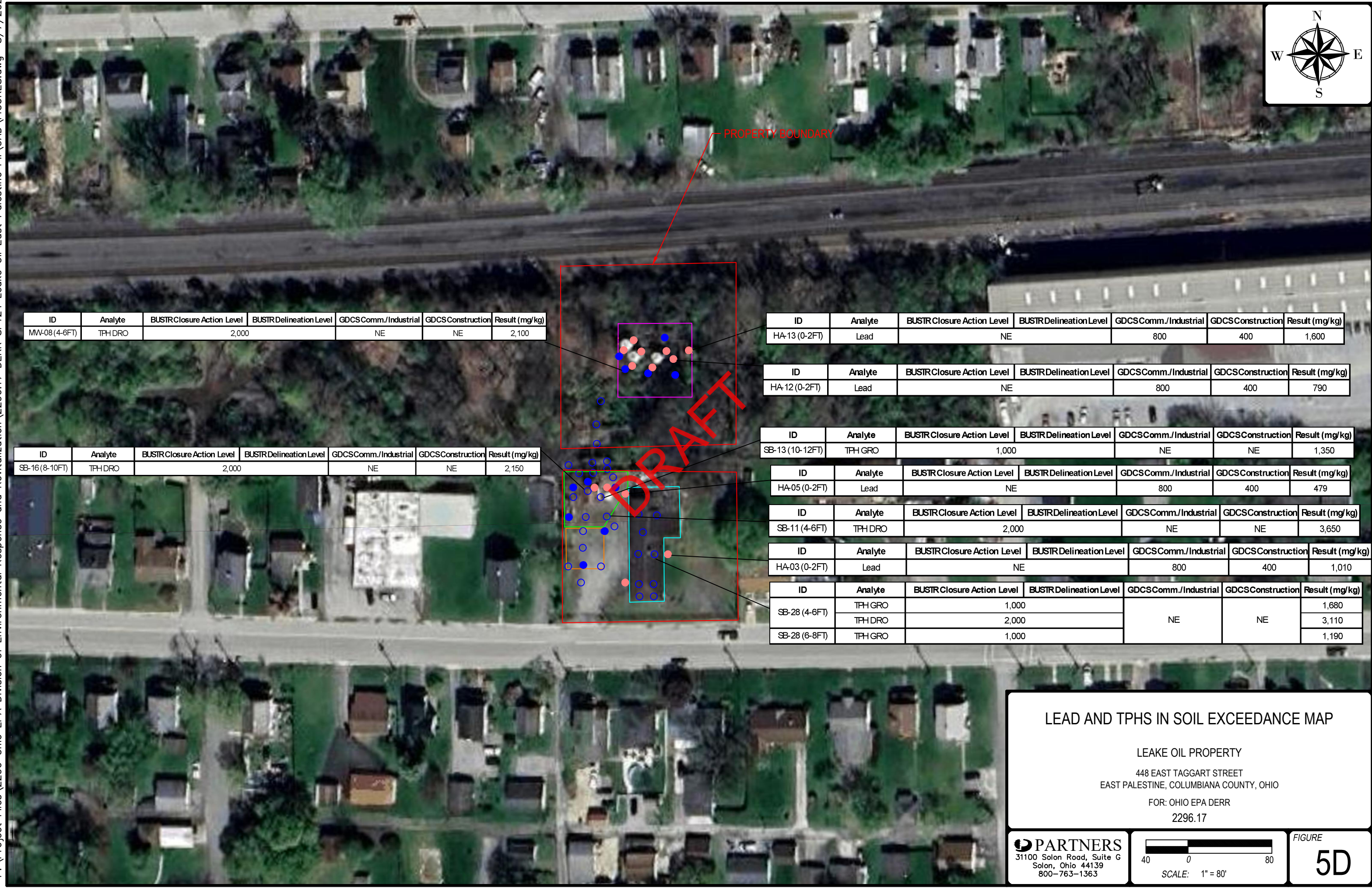
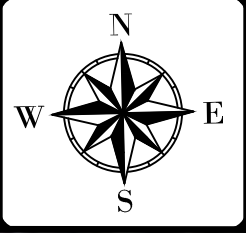


FIGURE  
**5C**





ID	Analyte	BUSTRClosure Action Level	BUSTRDelineation Level	GDCSComm./Industrial	GDCSConstruction	Result (mg/kg)
MW-08 (4-6FT)	TPH DRO	2,000		NE	NE	2,100

ID	Analyte	BUSTRClosure Action Level	BUSTRDelineation Level	GDCSComm./Industrial	GDCSConstruction	Result (mg/kg)
SB-16 (8-10FT)	TPH DRO	2,000		NE	NE	2,150

ID	Analyte	BUSTRClosure Action Level	BUSTRDelineation Level	GDCSComm./Industrial	GDCSConstruction	Result (mg/kg)
HA-13 (0-2FT)	Lead	NE		800	400	1,600

ID	Analyte	BUSTRClosure Action Level	BUSTRDelineation Level	GDCSComm./Industrial	GDCSConstruction	Result (mg/kg)
HA-12 (0-2FT)	Lead	NE		800	400	790

ID	Analyte	BUSTRClosure Action Level	BUSTRDelineation Level	GDCSComm./Industrial	GDCSConstruction	Result (mg/kg)
SB-13 (10-12FT)	TPH GRO	1,000		NE	NE	1,350

ID	Analyte	BUSTRClosure Action Level	BUSTRDelineation Level	GDCSComm./Industrial	GDCSConstruction	Result (mg/kg)
HA-05 (0-2FT)	Lead	NE		800	400	479

ID	Analyte	BUSTRClosure Action Level	BUSTRDelineation Level	GDCSComm./Industrial	GDCSConstruction	Result (mg/kg)
SB-11 (4-6FT)	TPH DRO	2,000		NE	NE	3,650

ID	Analyte	BUSTRClosure Action Level	BUSTRDelineation Level	GDCSComm./Industrial	GDCSConstruction	Result (mg/kg)
HA-03 (0-2FT)	Lead	NE		800	400	1,010

ID	Analyte	BUSTRClosure Action Level	BUSTRDelineation Level	GDCSComm./Industrial	GDCSConstruction	Result (mg/kg)
SB-28 (4-6FT)	TPH GRO	1,000		NE	NE	1,680
	TPH DRO	2,000	3,110			
	TPH GRO	1,000	1,190			

**LEAD AND TPHS IN SOIL EXCEEDANCE MAP**

LEAKE OIL PROPERTY  
 448 EAST TAGGART STREET  
 EAST PALESTINE, COLUMBIANA COUNTY, OHIO  
 FOR: OHIO EPA DERR  
 2296.17

**PARTNERS**  
 31100 Solon Road, Suite G  
 Solon, Ohio 44139  
 800-763-1363

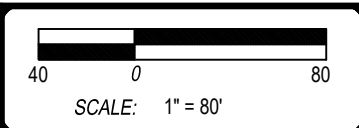
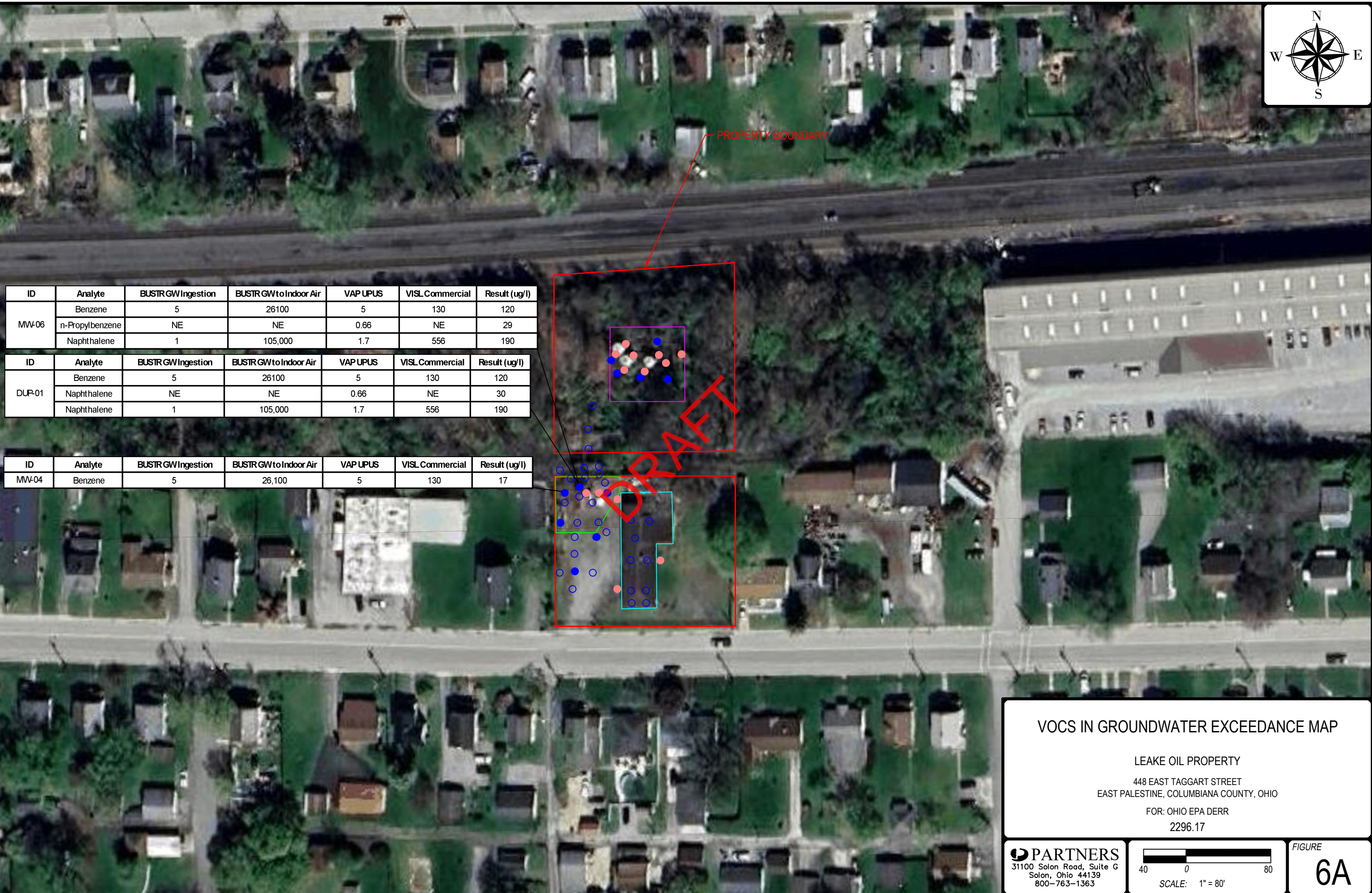
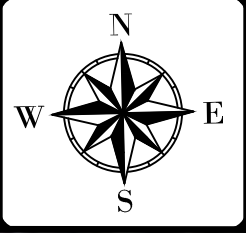


FIGURE  
5D





ID	Analyte	BUSTRGW Ingestion	BUSTRGW to Indoor Air	VAP UPUS	VISL Commercial	Result (ug/l)
MW-06	Benzene	5	26100	5	130	120
	n-Propylbenzene	NE	NE	0.66	NE	29
	Naphtalene	1	105,000	1.7	556	190

ID	Analyte	BUSTRGW Ingestion	BUSTRGW to Indoor Air	VAP UPUS	VISL Commercial	Result (ug/l)
DUP-01	Benzene	5	26100	5	130	120
	Naphtalene	NE	NE	0.66	NE	30
	Naphtalene	1	105,000	1.7	556	190

ID	Analyte	BUSTRGW Ingestion	BUSTRGW to Indoor Air	VAP UPUS	VISL Commercial	Result (ug/l)
MW-04	Benzene	5	26,100	5	130	17

**VOCS IN GROUNDWATER EXCEEDANCE MAP**

LEAKE OIL PROPERTY  
 448 EAST TAGGART STREET  
 EAST PALESTINE, COLUMBIANA COUNTY, OHIO  
 FOR: OHIO EPA DERR  
 2296.17

**PARTNERS**  
 31100 Solon Road, Suite G  
 Solon, Ohio 44139  
 800-763-1363

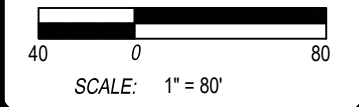
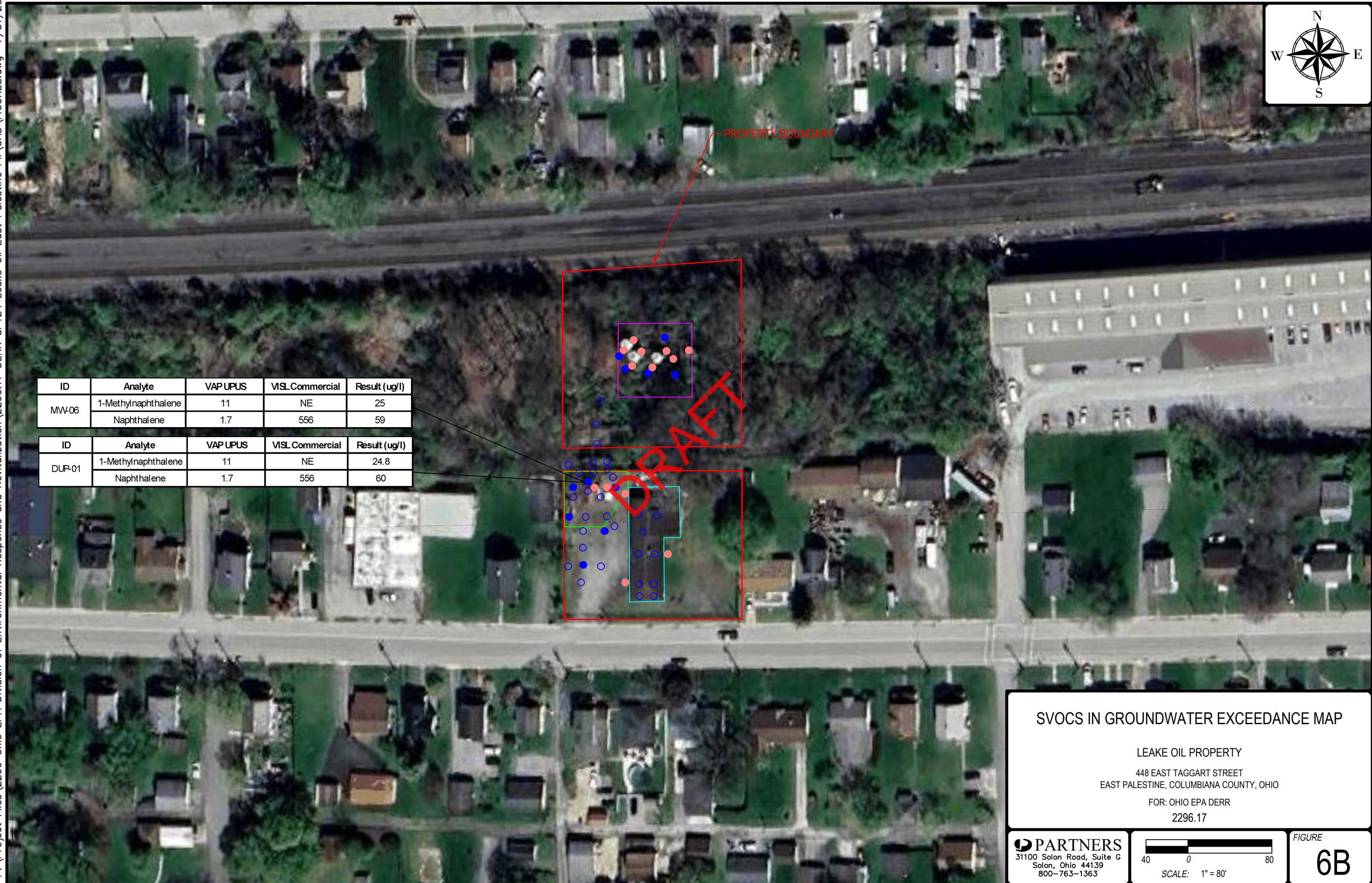
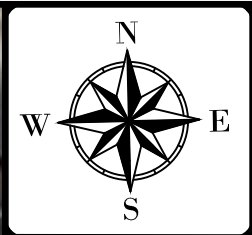


FIGURE  
**6A**





ID	Analyte	VAP UPUS	VISL Commercial	Result (ug/l)
MVV-06	1-Methylnaphthalene	11	NE	25
	Naphthalene	1.7	556	59

ID	Analyte	VAP UPUS	VISL Commercial	Result (ug/l)
DUP-01	1-Methylnaphthalene	11	NE	24.8
	Naphthalene	1.7	556	60

### SVOCs IN GROUNDWATER EXCEEDANCE MAP

LEAKE OIL PROPERTY  
 448 EAST TAGGART STREET  
 EAST PALESTINE, COLUMBIANA COUNTY, OHIO  
 FOR: OHIO EPA DERR  
 2296.17

**PARTNERS**  
 31100 Solon Road, Suite G  
 Solon, Ohio 44139  
 800-763-1363

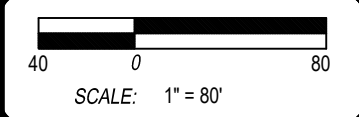
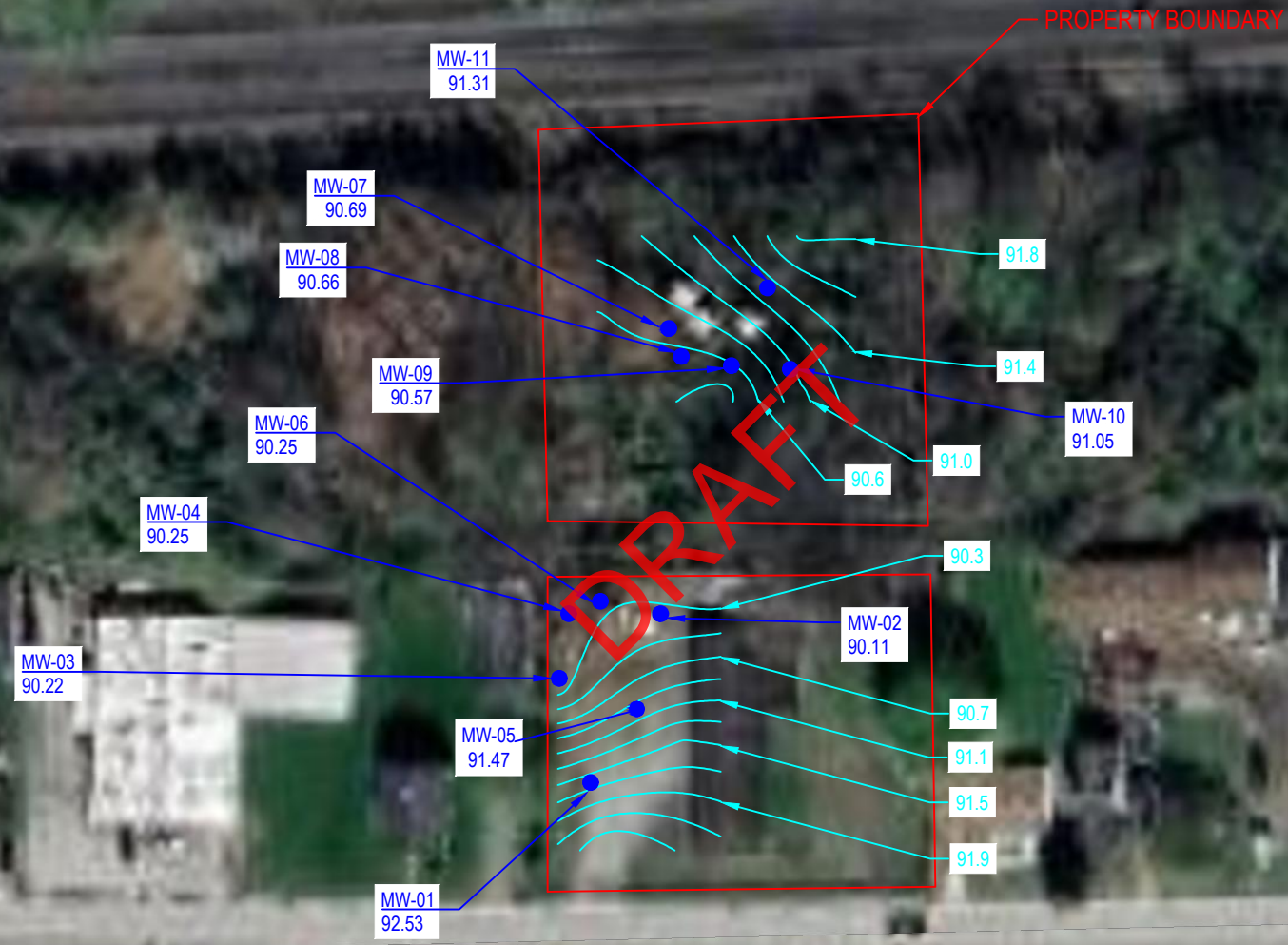


FIGURE  
**6B**





NOTES

\*MW-02 AND MW-10 CONTAIN FREE-PRODUCT\*

GROUNDWATER ELEVATIONS TAKEN ON 7/2/2024.

GROUNDWATER CONTOUR MAP

LEAKE OIL PROPERTY

448 EAST TAGGART STREET  
EAST PALESTINE, COLUMBIANA COUNTY, OHIO

FOR: OHIO EPA DERR  
2296.17

**PARTNERS**  
31100 Solon Road, Suite G  
Solon, Ohio 44139  
800-763-1363

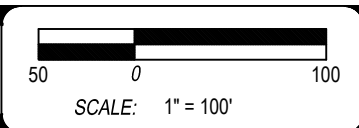


FIGURE  
**7**

**DRAFT**  
**TABLES**



**Table 1**  
**Monitor Well Gauging Information and Groundwater Elevations**  
**Former Leake Oil**  
**448 E. Taggart Street, East Palestine, Ohio**

Monitoring Well ID	Date	Relative Elevation (ft) <sup>1</sup>		Depth to Product (ft)	Depth to Water (ft)	Product Thickness (ft)	Relative Groundwater Elevation (ft)
		Ground Surface	Top of Inner Casing (TOC)				
MW-01	7/2/2024	98.61	99.06	NA	6.53	NA	92.53
	7/8/2024	98.61	99.06	NA	6.46	NA	92.60
	8/1/2024	98.61	99.06	NA	6.85	NA	92.21
MW-02	7/2/2024	98.01	97.57	7.34	7.81	0.47	90.11
	7/2/2024	98.01	97.57	7.04	7.48	0.44	90.42
	7/2/2024	98.01	97.57	7.38	7.77	0.39	90.09
MW-03	7/2/2024	98.20	97.92	NA	7.70	NA	90.22
	7/8/2024	98.20	97.92	NA	6.73	NA	91.19
	8/1/2024	98.20	97.92	NA	6.99	NA	90.93
MW-04	7/2/2024	98.04	97.78	NA	7.53	NA	90.25
	7/8/2024	98.04	97.78	NA	7.22	NA	90.56
	8/1/2024	98.04	97.78	NA	7.54	NA	90.24
MW-05	7/2/2024	98.32	97.85	NA	6.38	NA	91.47
	7/8/2024	98.32	97.85	NA	6.18	NA	91.67
	8/1/2024	98.32	97.85	NA	6.68	NA	91.17
MW-06	7/2/2024	97.20	96.89	NA	6.64	NA	90.25
	7/8/2024	97.20	96.89	NA	6.32	NA	90.57
	8/1/2024	97.20	96.89	NA	7.65	NA	89.24
MW-07	7/2/2024	101.17	104.13	NA	13.44	NA	90.69
	7/8/2024	101.17	104.13	NA	13.16	NA	90.97
	8/1/2024	101.17	104.13	NA	13.64	NA	90.49
MW-08	7/2/2024	98.14	103.42	NA	12.76	NA	90.66
	7/8/2024	98.14	103.42	NA	12.47	NA	90.95
	8/1/2024	98.14	103.42	NA	12.97	NA	90.45
MW-09	7/2/2024	100.10	103.51	NA	12.94	NA	90.57
	7/8/2024	100.10	103.51	NA	12.69	NA	90.82
	8/1/2024	100.10	103.51	NA	12.89	NA	90.62
MW-10	7/2/2024	100.29	102.98	11.82	12.28	0.46	91.05
	7/8/2024	100.29	102.98	11.43	11.78	0.35	91.46
	8/1/2024	100.29	102.98	11.94	13.6	1.66	90.63
MW-11	7/2/2024	101.32	103.87	NA	12.56	NA	91.31
	7/8/2024	101.32	103.87	NA	12.26	NA	91.61
	8/1/2024	101.32	103.87	NA	12.89	NA	90.98

**Notes**

1. ft = Feet

NA = Not Applicable

Highlighted relative elevations have been adjusted for the presence of free product.



**Table 1A**  
**Free Product Gauging and Recovery Table**  
**Former Leake Oil**  
**448 E. Taggart Street, East Palestine, Ohio**

Monitoring Well ID	Date	Relative Elevation (ft) <sup>1</sup>		Depth to Product (ft)	Depth to Water (ft)	Product Thickness (ft)	Relative Groundwater Elevation (ft)	Free Product Recovery	
		Ground Surface	Top of Inner Casing (TOC)					Product Recovered (ml)	Groundwater Recovered (ml)
MW-02	7/2/2024	98.01	97.57	7.34	7.81	0.47	90.11	NA	NA
	7/8/2024	98.01	97.57	7.04	7.48	0.44	90.42	1000.00	3000.00
	7/12/2024	98.01	97.57	7.31	7.65	0.34	90.18	300.00	NA
	8/1/2024	98.01	97.57	7.35	7.77	0.39	90.09	550.00	NA
MW-10	7/2/2024	100.29	102.98	11.92	12.28	0.46	91.05	NA	NA
	7/8/2024	100.29	102.98	11.43	11.78	0.35	91.46	250.00	2000.00
	7/12/2024	100.29	102.98	11.67	12.03	0.36	91.22	350.00	NA
	8/1/2024	100.29	102.98	11.94	13.60	1.66	90.63	4600.00	NA
<b>Totals:</b>								7050.00	5000.00

**Notes**

1. ft = Feet

NA = Not Applicable

Relative elevations have been adjusted for the presence of free product.

**Table 2  
Summary of VOCs in Soil  
Former Leake Oil**

448 E. Taggart Street, East Palestine, Ohio					IA-01														
Sample ID (Depth <sup>1</sup> )		VAP Standard		BUSTR <sup>5</sup>	SB-01 (2-4 FT)	SB-01 (16-18 FT)	SB-05 (0-2 FT)	SB-05 (10-12 FT)	SB-18 (0-2 FT)	SB-18 (2-4 FT)	SB-19 (2-4 FT)	SB-19 (4-6 FT)	MW-01 (2-4 FT)	MW-01 (4-6 FT)	SB-04 (2-4 FT)	SB-04 (6-8 FT)	SB-09 (4-6 FT)	DUP 6324 (SB-09 4-6 FT)	SB-09 (10-12 FT)
Collection Date		GDGS Commercial & Industrial Land Use <sup>4</sup>	GDGS Construction & Excavation Activities <sup>3</sup>	Closure Action Levels	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/3/2024	6/3/2024	6/3/2024	6/3/2024	6/3/2024
Parameter	Units <sup>2</sup>				Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
<b>Volatile Organic Compounds - VOCs</b>																			
Acetone	mg/kg	110,000	110,000	NE	0.11	0.027	0.0047 U	0.011J	0.0052 U	0.0052 U	0.069	0.044	0.0060 U	0.11	0.073	0.047	0.20 U	0.19 U	0.05
Benzene	mg/kg	130	1,200	0.246	0.00061 U	0.00054 U	0.00051 U	0.00056 U	0.00056 U	0.00057 U	0.00066 U	0.00064 U	0.00066 U	0.00068 U	0.00059 U	0.00055 U	0.015 U	2.4	0.11
Bromobenzene	mg/kg	NE	NE	NE	0.00061 U	0.00054 U	0.00051 U	0.00056 U	0.00056 U	0.00057 U	0.00066 U	0.00064 U	0.00066 U	0.00068 U	0.00059 U	0.00055 U	0.020 U	0.019 U	0.00061 U
Bromochloromethane	mg/kg	300	33	NE	0.00061 U	0.00054 U	0.00051 U	0.00056 U	0.00056 U	0.00057 U	0.00066 U	0.00064 U	0.00066 U	0.00068 U	0.00059 U	0.00055 U	0.020 U	0.019 U	0.00061 U
Bromodichloromethane	mg/kg	33	300	NE	0.00086 U	0.00077 U	0.00073 U	0.00079 U	0.00080 U	0.00081 U	0.00094 U	0.00090 U	0.00093 U	0.00097 U	0.00083 U	0.00079 U	0.017 U	0.016 U	0.00086 U
Bromoform	mg/kg	910	910	NE	0.00063 U	0.00057 U	0.00054 U	0.00058 U	0.00058 U	0.00059 U	0.00069 U	0.00066 U	0.00068 U	0.00071 U	0.00061 U	0.00058 U	0.025 U	0.024 U	0.00063 U
Bromomethane	mg/kg	76	550	NE	0.00063 U	0.00057 U	0.00054 U	0.0013J	0.0019J	0.00059 U	0.00069 U	0.00066 U	0.00068 U	0.00071 U	0.00061 U	0.00058 U	0.025 U	0.024 U	0.00063 U
2-Butanone (MEK)	mg/kg	28,000	28,000	NE	0.014	0.0035 U	0.0033 U	0.0036 U	0.0036 U	0.0036 U	0.0076J	0.0073J	0.0042 U	0.011J	0.013	0.0095J	0.12 U	0.11 U	0.0045J
n-Butylbenzene	mg/kg	178 <sup>6</sup>	178 <sup>6</sup>	NE	0.00061 U	0.00054 U	0.00051 U	0.00056 U	0.00056 U	0.00057 U	0.00066 U	0.00064 U	0.00066 U	0.00068 U	0.00059 U	0.008	1.7	0.34	0.00061 U
tert-Butylbenzene	mg/kg	215 <sup>6</sup>	215 <sup>6</sup>	NE	0.00067 U	0.00060 U	0.00057 U	0.00061 U	0.00062 U	0.00063 U	0.00073 U	0.00070 U	0.00072 U	0.00075 U	0.00064 U	0.00061 U	0.028 U	0.027 U	0.00067 U
sec-Butylbenzene	mg/kg	764 <sup>6</sup>	764 <sup>6</sup>	NE	0.00061 U	0.00054 U	0.00093J	0.00056 U	0.00056 U	0.00057 U	0.00066 U	0.00064 U	0.00066 U	0.00068 U	0.00059 U	0.0059	0.020 U	0.019 U	0.00061 U
Carbon Disulfide	mg/kg	740	740	NE	0.0015J	0.00069 U	0.00092J	0.00070 U	0.00071 U	0.00072 U	0.00083 U	0.00080 U	0.00083 U	0.00086 U	0.00074 U	0.00070 U	0.015 U	0.014 U	0.00077 U
Carbon tetrachloride	mg/kg	74	460	NE	0.00062 U	0.00055 U	0.00052 U	0.00057 U	0.00057 U	0.00058 U	0.00068 U	0.00065 U	0.00067 U	0.00070 U	0.00060 U	0.00056 U	0.020 U	0.019 U	0.00062 U
Chlorobenzene	mg/kg	760	760	NE	0.00062 U	0.00055 U	0.00052 U	0.00057 U	0.00057 U	0.00058 U	0.00068 U	0.00065 U	0.00067 U	0.00070 U	0.00060 U	0.00056 U	0.012 U	0.012 U	0.00062 U
Chlorodibromomethane	mg/kg	84	1,600	NE	0.00082 U	0.00074 U	0.00070 U	0.00076 U	0.00076 U	0.00077 U	0.00090 U	0.00087 U	0.00089 U	0.00093 U	0.00080 U	0.00075 U	0.029 U	0.027 U	0.00083 U
Chloroethane	mg/kg	2,100	2,200	NE	0.0010 U	0.00092 U	0.00087 U	0.00095 U	0.00096 U	0.00097 U	0.0011 U	0.0011 U	0.0011 U	0.0012 U	0.0010 U	0.00094 U	0.021 U	0.020 U	0.0010 U
Chloroform	mg/kg	35	320	NE	0.00064 U	0.00058 U	0.00055 U	0.00059 U	0.00060 U	0.00060 U	0.00070 U	0.00068 U	0.00070 U	0.00072 U	0.00062 U	0.00059 U	0.013 U	0.013 U	0.00064 U
Chloromethane	mg/kg	1,200	1,300	NE	0.00067 U	0.00060 U	0.00057 U	0.00061 U	0.00062 U	0.00063 U	0.00073 U	0.00070 U	0.00072 U	0.00075 U	0.00064 U	0.00061 U	0.020 U	0.019 U	0.00067 U
2-Chlorotoluene	mg/kg	NE	NE	NE	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
4-Chlorotoluene	mg/kg	NE	NE	NE	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
o-Chlorotoluene	mg/kg	NE	NE	NE	0.00061 U	0.00054 U	0.00051 U	0.00056 U	0.00056 U	0.00057 U	0.00066 U	0.00064 U	0.00066 U	0.00068 U	0.00059 U	0.00055 U	0.017 U	0.016 U	0.00061 U
p-Chlorotoluene	mg/kg	NE	NE	NE	0.00061 U	0.00054 U	0.00051 U	0.00056 U	0.00056 U	0.00057 U	0.00066 U	0.00064 U	0.00066 U	0.00068 U	0.00059 U	0.00055 U	0.021 U	0.020 U	0.00061 U
1,2-Dibromo-3-Chloropropane	mg/kg	1.6	15	NE	0.00030 U	0.00027 U	0.00026 U	0.00028 U	0.00028 U	0.00028 U	0.00033 U	0.00032 U	0.00033 U	0.00034 U	0.00029 U	0.00028 U	0.095 U	0.091 U	0.00030 U
1,2-Dibromoethane	mg/kg	4.4	39	0.000982	0.00065 U	0.00059 U	0.00056 U	0.00060 U	0.00061 U	0.00062 U	0.00072 U	0.00069 U	0.00071 U	0.00074 U	0.00063 U	0.00060 U	0.018 U	0.017 U	0.00066 U
Dibromomethane	mg/kg	250	870	NE	0.00087 U	0.00078 U	0.00074 U	0.00080 U	0.00081 U	0.00082 U	0.00095 U	0.00092 U	0.00095 U	0.00098 U	0.00084 U	0.00080 U	0.020 U	0.019 U	0.00088 U
1,2-Dichlorobenzene	mg/kg	380	370	NE	0.00061 U	0.00054 U	0.00051 U	0.00056 U	0.00056 U	0.00057 U	0.00066 U	0.00064 U	0.00066 U	0.00068 U	0.00059 U	0.00055 U	0.024 U	0.023 U	0.00061 U
1,3-Dichlorobenzene	mg/kg	NE	NE	NE	0.00061 U	0.00054 U	0.00051 U	0.00056 U	0.00056 U	0.00057 U	0.00066 U	0.00064 U	0.00066 U	0.00068 U	0.00059 U	0.00055 U	0.016 U	0.015 U	0.00061 U
1,4-Dichlorobenzene	mg/kg	290	2,600	NE	0.00061 U	0.00054 U	0.00051 U	0.00056 U	0.00056 U	0.00057 U	0.00066 U	0.00064 U	0.00066 U	0.00068 U	0.00059 U	0.00055 U	0.017 U	0.016 U	0.00061 U

**Table 2  
Summary of VOCs in Soil  
Former Leake Oil**

448 E. Taggart Street, East Palestine, Ohio					IA-01														
Sample ID (Depth <sup>1</sup> )		VAP Standard		BUSTR <sup>5</sup>	SB-01 (2-4 FT)	SB-01 (16-18 FT)	SB-05 (0-2 FT)	SB-05 (10-12FT)	SB-18 (0-2 FT)	SB-18 (2-4 FT)	SB-19 (2-4 FT)	SB-19 (4-6 FT)	MW-01 (2-4 FT)	MW-01 (4-6 FT)	SB-04 (2-4 FT)	SB-04 (6-8 FT)	SB-09 (4-6 FT)	DUP 6324 (SB-09 4-6 FT)	SB-09 (10-12 FT)
Collection Date		GDCS Commercial & Industrial Land Use <sup>4</sup>	GDCS Construction & Excavation Activities <sup>3</sup>	Closure Action Levels	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/3/2024	6/3/2024	6/3/2024	6/3/2024	6/3/2024
Parameter	Units <sup>2</sup>				Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Dichlorodifluoromethane	mg/kg	850	850	NE	0.00081 U	0.00073 U	0.00069 U	0.00075 U	0.00075 U	0.00076 U	0.00089 U	0.00085 U	0.00088 U	0.00092 U	0.00079 U	0.00074 U	0.021 U	0.020 U	0.00082 U
1,1-Dichloroethane	mg/kg	390	1,700	NE	0.00061 U	0.00054 U	0.00051 U	0.00056 U	0.00056 U	0.00057 U	0.00066 U	0.00064 U	0.00066 U	0.00068 U	0.00059 U	0.00055 U	0.018 U	0.017 U	0.00061 U
1,2-Dichloroethane	mg/kg	52	480	0.177	0.00061 U	0.00054 U	0.00051 U	0.00056 U	0.00056 U	0.00057 U	0.00066 U	0.00064 U	0.00066 U	0.00068 U	0.00059 U	0.00055 U	0.020 U	0.019 U	0.00061 U
1,1-Dichloroethene	mg/kg	1,200	180	NE	0.00063 U	0.00057 U	0.00054 U	0.00058 U	0.00058 U	0.00059 U	0.00069 U	0.00066 U	0.00068 U	0.00071 U	0.00061 U	0.00058 U	0.018 U	0.018 U	0.00063 U
cis-1,2-Dichloroethene	mg/kg	NE	2,200	NE	0.00061 U	0.00054 U	0.00051 U	0.00056 U	0.00056 U	0.00057 U	0.00066 U	0.00064 U	0.00066 U	0.00068 U	0.00059 U	0.00055 U	0.020 U	0.019 U	0.00061 U
trans-1,2-Dichloroethene	mg/kg	1,700	78	NE	0.00063 U	0.00057 U	0.00054 U	0.00058 U	0.00058 U	0.00059 U	0.00069 U	0.00066 U	0.00068 U	0.00071 U	0.00061 U	0.00058 U	0.017 U	0.016 U	0.00063 U
1,3-Dichloropropane	mg/kg	1,500	1,500	NE	0.0010 U	0.00090 U	0.00085 U	0.00092 U	0.00093 U	0.00095 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.00097 U	0.00092 U	0.017 U	0.016 U	0.0010 U
2,2-Dichloropropane	mg/kg	NE	NE	NE	0.00061 U	0.00054 U	0.00051 U	0.00056 U	0.00056 U	0.00057 U	0.00066 U	0.00064 U	0.00066 U	0.00068 U	0.00059 U	0.00055 U	0.020 U	0.019 U	0.00061 U
1,2-Dichloropropane	mg/kg	170	180	NE	0.00073 U	0.00065 U	0.00062 U	0.00067 U	0.00067 U	0.00068 U	0.00079 U	0.00076 U	0.00079 U	0.00082 U	0.00070 U	0.00066 U	0.015 U	0.015 U	0.00073 U
1,1-Dichloropropene	mg/kg	NE	NE	NE	0.00061 U	0.00054 U	0.00051 U	0.00056 U	0.00056 U	0.00057 U	0.00066 U	0.00064 U	0.00066 U	0.00068 U	0.00059 U	0.00055 U	0.017 U	0.016 U	0.00061 U
cis-1,3-Dichloropropene	mg/kg	NE	NE	NE	0.00067 U	0.00060 U	0.00057 U	0.00061 U	0.00062 U	0.00063 U	0.00073 U	0.00070 U	0.00072 U	0.00075 U	0.00064 U	0.00061 U	0.020 U	0.019 U	0.00067 U
trans-1,3-Dichloropropene	mg/kg	NE	NE	NE	0.00070 U	0.00063 U	0.00060 U	0.00065 U	0.00065 U	0.00066 U	0.00077 U	0.00074 U	0.00076 U	0.00079 U	0.00068 U	0.00064 U	0.018 U	0.018 U	0.00071 U
Ethylbenzene	mg/kg	480	480	84.5	0.00082 U	0.00074 U	<b>0.00080J</b>	0.00076 U	0.00076 U	0.00077 U	0.00090 U	0.00087 U	0.00089 U	0.00093 U	0.00080 U	0.00075 U	<b>2.1</b>	<b>1.7</b>	0.00083 U
Freon 113	mg/kg	NE	NE	NE	0.00061 U	0.00054 U	0.00051 U	0.00056 U	0.00056 U	0.00057 U	0.00066 U	0.00064 U	0.00066 U	0.00068 U	0.00059 U	0.00055 U	0.017 U	0.016 U	0.00061 U
2-Hexanone	mg/kg	NE	NE	NE	0.0034 U	0.0030 U	0.0029 U	0.0031 U	0.0031 U	0.0032 U	0.0037 U	0.0036 U	0.0037 U	0.0038 U	0.0033 U	0.0031 U	0.083U	0.079U	0.0034U
Hexachloro-1,3-butadiene	mg/kg	630	170	NE	0.00061 U	0.00054 U	0.00051 U	0.00056 U	0.00056 U	0.00057 U	0.00066 U	0.00064 U	0.00066 U	0.00068 U	0.00059 U	0.00055 U	0.064 U	0.061 U	0.00061 U
n-Hexane	mg/kg	140	190	NE	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT



**Table 2**  
**Summary of VOCs in Soil**  
**Former Leake Oil**

448 E. Taggart Street, East Palestine, Ohio					IA-01														
Sample ID (Depth <sup>1</sup> )		VAP Standard		BUSTR <sup>5</sup>	SB-01 (2-4 FT)	SB-01 (16-18 FT)	SB-05 (0-2 FT)	SB-05 (10-12FT)	SB-18 (0-2 FT)	SB-18 (2-4 FT)	SB-19 (2-4 FT)	SB-19 (4-6 FT)	MW-01 (2-4 FT)	MW-01 (4-6 FT)	SB-04 (2-4 FT)	SB-04 (6-8 FT)	SB-09 (4-6 FT)	DUP 6324 (SB-09 4-6 FT)	SB-09 (10-12 FT)
Collection Date		GDCS Commercial & Industrial Land Use <sup>4</sup>	GDCS Construction & Excavation Activities <sup>3</sup>	Closure Action Levels	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/3/2024	6/3/2024	6/3/2024	6/3/2024	6/3/2024
Parameter	Units <sup>2</sup>				Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Isopropylbenzene	mg/kg	270	260	NE	0.00074 U	0.00066 U	0.00063 U	0.00068 U	0.00069 U	0.00069 U	0.00081 U	0.00078 U	0.00080 U	0.00083 U	0.00072 U	<b>0.0010J</b>	<b>0.75</b>	<b>0.28</b>	0.00074 U
p-Isopropyltoluene	mg/kg	573 <sup>8</sup>	573 <sup>8</sup>	NE	0.00061 U	0.00054 U	0.00051 U	0.00056 U	0.00056 U	0.00057 U	0.00066 U	0.00064 U	0.00066 U	0.00068 U	0.00059 U	0.00055 U	0.020 U	0.019 U	0.00061 U
Methyl tert-butyl ether	mg/kg	5,400	8,900	2	0.00061 U	0.00054 U	0.00051 U	<b>0.00096J</b>	0.00056 U	0.00057 U	0.00066 U	0.00064 U	0.00066 U	0.00068 U	0.00059 U	0.00055 U	0.021 U	0.020 U	0.00061 U
4-Methyl-2-pentanone (MIBK)	mg/kg	3,400	3,400	NE	0.0046 U	0.0041 U	0.0039 U	0.0042 U	0.0043 U	0.0043 U	0.0050 U	0.0048 U	0.0050 U	0.0052 U	0.0045 U	0.0042 U	0.095 U	0.091 U	0.0046 U
Methylene Chloride	mg/kg	3,300	3,300	NE	<b>0.0020J</b>	<b>0.0014J</b>	<b>0.0049</b>	0.00087 U	0.00088 U	0.00089 U	0.0010 U	<b>0.0021J</b>	<b>0.0044</b>	<b>0.0032</b>	<b>0.0022J</b>	<b>0.0018J</b>	0.029 U	0.027 U	0.00095 U
Naphthalene	mg/kg	420	560	0.511	0.00061 U	0.00054 U	0.00051 U	0.00056 U	0.00056 U	0.00057 U	0.00066 U	0.00064 U	0.00066 U	0.00068 U	0.00059 U	0.00055 U	<b>5.1</b>	<b>1.6</b>	0.00061 U
n-Propylbenzene	mg/kg	236 <sup>8</sup>	236 <sup>8</sup>	NE	0.00061 U	0.00054 U	0.00051 U	0.00056 U	0.00056 U	0.00057 U	0.00066 U	0.00064 U	0.00066 U	0.00068 U	0.00059 U	<b>0.0022J</b>	<b>3</b>	<b>0.74</b>	0.00061 U
Styrene	mg/kg	870	1,700	NE	0.00061 U	0.00054 U	0.00051 U	0.00056 U	0.00056 U	0.00057 U	0.00066 U	0.00064 U	0.00066 U	0.00068 U	0.00059 U	0.00055 U	0.015 U	0.015 U	0.00061 U
1,1,2,2-Tetrachloroethane	mg/kg	71	670	NE	0.00068 U	0.00061 U	0.00058 U	0.00062 U	0.00063 U	0.00064 U	0.00074 U	0.00071 U	0.00074 U	0.00076 U	0.00066 U	0.00062 U	0.022 U	0.021 U	0.00068 U
1,1,1,2-Tetrachloroethane	mg/kg	230	680	NE	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Tetrachloroethene	mg/kg	170	220	NE	0.00073 U	0.00065 U	0.00062 U	0.00067 U	0.00067 U	0.00068 U	0.00079 U	0.00076 U	0.00079 U	0.00082 U	0.00070 U	0.00066 U	0.022 U	0.021 U	0.00073 U
Toluene	mg/kg	820	820	70.7	0.00081 U	0.00073 U	0.00069 U	0.00075 U	0.00075 U	0.00076 U	0.00089 U	0.00085 U	0.00088 U	0.00092 U	0.00079 U	0.00074 U	0.015 U	<b>0.079</b>	0.00082 U
Xylenes, Total	mg/kg	260	260	42.7	0.0017 U	0.0015 U	0.0014 U	0.0016 U	0.0016 U	0.0016 U	0.0019 U	0.0018 U	0.0018 U	0.0019 U	0.0016 U	0.0015 U	<b>3.8</b>	<b>2.3</b>	0.0017 U
1,2,3-Trichlorobenzene	mg/kg	NE	NE	NE	0.00061 U	0.00054 U	0.00051 U	0.00056 U	0.00056 U	0.00057 U	0.00066 U	0.00064 U	0.00066 U	0.00068 U	0.00059 U	0.00055 U	0.059 U	0.056 U	0.00061 U
1,2,4-Trichlorobenzene	mg/kg	400	NE	NE	0.00061 U	0.00054 U	0.00051 U	0.00056 U	0.00056 U	0.00057 U	0.00066 U	0.00064 U	0.00066 U	0.00068 U	0.00059 U	0.00055 U	0.052 U	0.050 U	0.00061 U
1,1,1-Trichloroethane	mg/kg	640	1,300	NE	0.00075 U	0.00067 U	0.00064 U	0.00069 U	0.00070 U	0.00071 U	0.00082 U	0.00079 U	0.00082 U	0.00085 U	0.00073 U	0.00069 U	0.014 U	0.013 U	0.00075 U
1,1,2-Trichloroethane	mg/kg	130	210	NE	0.00068 U	0.00061 U	0.00058 U	0.00062 U	0.00063 U	0.00064 U	0.00074 U	0.00071 U	0.00074 U	0.00076 U	0.00066 U	0.00062 U	0.021 U	0.020 U	0.00068 U
Trichloroethene	mg/kg	51	560	NE	0.00061 U	0.00054 U	0.00051 U	0.00056 U	0.00056 U	0.00057 U	0.00066 U	0.00064 U	0.00066 U	0.00068 U	0.00059 U	0.00055 U	0.021 U	0.020 U	0.00061 U
Trichlorofluoromethane	mg/kg	1,200	1,600	NE	0.00061 U	0.00054 U	0.00051 U	0.00056 U	0.00056 U	0.00057 U	0.00066 U	0.00064 U	0.00066 U	0.00068 U	0.00059 U	0.00055 U	0.015 U	0.015 U	0.00061 U
1,2,3-Trichloropropane	mg/kg	4.4	19	NE	0.00061 U	0.00054 U	0.00051 U	0.00056 U	0.00056 U	0.00057 U	0.00066 U	0.00064 U	0.00066 U	0.00068 U	0.00059 U	0.00055 U	0.038 U	0.036 U	0.00061 U
1,2,4-Trimethylbenzene	mg/kg	220	220	2.37	0.00061 U	0.00054 U	0.00051 U	0.00056 U	0.00056 U	0.00057 U	0.00066 U	0.00064 U	0.00066 U	0.00068 U	0.00059 U	0.00055 U	<b>25.1</b>	<b>5.9</b>	0.00061 U
1,3,5-Trimethylbenzene	mg/kg	180	180	NE	0.00061 U	0.00054 U	0.00051 U	0.00056 U	0.00056 U	0.00057 U	0.00066 U	0.00064 U	0.00066 U	0.00068 U	0.00059 U	0.00055 U	<b>3.7</b>	<b>0.9</b>	0.00061 U
Vinyl chloride	mg/kg	49	280	NE	0.00061 U	0.00054 U	0.00051 U	0.00056 U	0.00056 U	0.00057 U	0.00066 U	0.00064 U	0.00066 U	0.00068 U	0.00059 U	0.00055 U	0.019 U	0.018 U	0.00061 U
o-Xylenes	mg/kg	260	260	42.7	0.00070 U	0.00063 U	0.00060 U	0.00065 U	0.00065 U	0.00066 U	0.00077 U	0.00074 U	0.00076 U	0.00079 U	0.00068 U	0.00064 U	0.021 U	0.020 U	0.00071 U
m&p-Xylenes	mg/kg	260	260	42.7	0.0010 U	0.00090 U	<b>0.0013J</b>	0.00092 U	0.00093 U	0.00095 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.00097 U	0.00092 U	<b>3.8</b>	<b>2.3</b>	0.0010 U

**Notes**  
 1. FT - Feet below grade  
 2. mg/kg = Milligrams per kilogram - parts per million (ppm)  
 3. Ohio EPA Voluntary Action Program (VAP) Generic Direct Contact Standard (GDCS) for Commercial/Industrial Land Use, OAC 3745-300-17 (C)(3)(b).  
 4. Ohio EPA Voluntary Action Program (VAP) Generic Direct Contact Standard (GDCS) for Construction and Excavation Activities, OAC 3745-300-17 (C)(3)(d).  
 5. BUSTR Action Levels defined in OAC 1301: 7-9-13, as required by OAC 3745-300-08(B)(3), Sand and Gravel, Unknown Soil Type.  
 7. NE: Not Established (No Regulatory Limits Under the VAP Have Been Established for the Specific Compound).

**Table 2**  
**Summary of VOCs in Soil**  
**Former Leake Oil**

448 E. Taggart Street, East Palestine, Ohio			IA-01																
Sample ID (Depth <sup>1</sup> )		VAP Standard		BUSTR <sup>5</sup>	SB-01 (2-4 FT)	SB-01 (16-18 FT)	SB-05 (0-2 FT)	SB-05 (10-12 FT)	SB-18 (0-2 FT)	SB-18 (2-4 FT)	SB-19 (2-4 FT)	SB-19 (4-6 FT)	MW-01 (2-4 FT)	MW-01 (4-6 FT)	SB-04 (2-4 FT)	SB-04 (6-8 FT)	SB-09 (4-6 FT)	DUP 6324 (SB-09 4-6 FT)	SB-09 (10-12 FT)
Collection Date		GDCS Commercial & Industrial Land Use <sup>4</sup>	GDCS Construction & Excavation Activities <sup>3</sup>	Closure Action Levels	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/3/2024	6/3/2024	6/3/2024	6/3/2024	6/3/2024
Parameter	Units <sup>2</sup>				Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result

8. Standards from the Ohio EPA Voluntary Action Program Chemical Information Database and Applicable Regulatory Standards (CIDARS).

10. J = Analyte is present at an estimated concentration between the Method Detection Limit and Report Limit.

U = Analyte is below laboratory reporting limits.

NT = Sample not tested for the analytical method. Samples were sent to two labs with different reporting processes.

**Bold** numbers indicate a concentration above laboratory detection limits.

**Bold and shaded** numbers indicate a detected concentration above a comparison standard.

DRAFT

**Table 3**  
**Summary of SVOCs in Soil**  
**Former Leake Oil**  
**448 E. Taggart Street, East Palestine, Ohio**

				IA-01										
Sample ID (Depth <sup>1</sup> )		VAP Standards		BUSTR <sup>5</sup>	SB-01 (2-4 FT)	SB-01 (16-18 FT)	SB-05 (0-2 FT)	SB-05 (10-12FT)	SB-18 (0-2 FT)	SB-18 (2-4 FT)	SB-19 (2-4 FT)	SB-19 (4-6 FT)	MW-01 (2-4 FT)	MW-01 (4-6 FT)
Collection Date		GDCS Commercial & Industrial Land Use <sup>3</sup>	GDCS Construction & Excavation Activities <sup>4</sup>	Closure Action Levels	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/5/2024
Parameter	Units <sup>2</sup>													
<b>Semi-Volatile Organic Compounds - SVOCs</b>														
1,2,4,5-Tetrachlorobenzene	mg/kg	760	4,800	NE	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
1,2,4-Trichlorobenzene	mg/kg	400	15,000	NE	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
1,2-Dichlorobenzene	mg/kg	380	380	NE	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
1,3-Dichlorobenzene	mg/kg	NE	NE	NE	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
1,3-Dinitrobenzene	mg/kg	250	1,600	NE	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
1,4-Dichlorobenzene	mg/kg	290	2,600	NE	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
1-Methylnaphthalene	mg/kg	390	390	NE	0.0079	0.00096U	0.59	0.17	0.47	0.027	0.0096	0.0036J	0.15	0.011
1-Naphthylamine	mg/kg	NE	NE	NE	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2,3,4,6-Tetrachlorophenol	mg/kg	76,000	480,000	NE	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2,4,5-Trichlorophenol	mg/kg	250,000	1,000,000	NE	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2,4,6-Trichlorophenol	mg/kg	2,500	1,600	NE	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2,4-Dichlorophenol	mg/kg	7,600	32,000	NE	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2,4-Dimethylphenol	mg/kg	51,000	95,000	NE	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2,4-Dinitrophenol	mg/kg	5,100	32,000	NE	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2,4-Dinitrotoluene	mg/kg	230	3,600	NE	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2,6-Dichlorophenol	mg/kg	NE	NE	NE	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2,6-Dinitrotoluene	mg/kg	47	750	NE	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2-Acetylaminofluorene	mg/kg	19	290	NE	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2-Chloronaphthalene	mg/kg	370,000	1,000,000	NE	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2-Chlorophenol	mg/kg	23,00	27,000	NE	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2-Methylnaphthalene	mg/kg	8,900	5,800	NE	0.0096	0.0014U	0.65	0.19	0.65	0.033	0.011	0.0045J	0.19	0.013
2-Methylphenol	mg/kg	130,000	790,000	NE	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2-Naphthylamine	mg/kg	39	620	NE	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2-Nitroaniline	mg/kg	NE	NE	NE	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2-Nitrophenol	mg/kg	NE	NE	NE	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2-Picoline	mg/kg	NE	NE	NE	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
3&4-Methylphenol	mg/kg	130,000	790,000	NE	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
3,3'-Dichlorobenzidine	mg/kg	160	2,500	NE	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
3-Methylcholanthrene	mg/kg	3.2	51	NE	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
3-Nitroaniline	mg/kg	NE	NE	NE	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
4,6-Dinitro-2-methylphenol	mg/kg	200	1,300	NE	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
4-Aminobiphenyl	mg/kg	3.4	53	NE	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
4-Bromophenyl phenyl ether	mg/kg	NE	NE	NE	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
4-Chloro-3-methylphenol	mg/kg	250,000	160,000	NE	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
4-Chloroaniline	mg/kg	350	800	NE	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
4-Chlorophenyl phenyl ether	mg/kg	NE	NE	NE	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
4-Nitroaniline	mg/kg	3,500	16,000	NE	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
4-Nitrophenol	mg/kg	NE	NE	NE	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT



Sample ID (Depth <sup>1</sup> )		VAP Standards		BUSTR <sup>5</sup>	SB-01 (2-4 FT)	SB-01 (16-18 FT)	SB-05 (0-2 FT)	SB-05 (10-12FT)	SB-18 (0-2 FT)	SB-18 (2-4 FT)	SB-19 (2-4 FT)	SB-19 (4-6 FT)	MW-01 (2-4 FT)	MW-01 (4-6 FT)
Collection Date		GDCS Commercial & Industrial Land Use <sup>3</sup>	GDCS Construction & Excavation Activities <sup>4</sup>	Closure Action Levels	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/5/2024
Parameter	Units <sup>2</sup>													
4-Nitroquinoline 1-oxide	mg/kg	NE	NE	NE	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
5-Nitro-o-toluidine	mg/kg	NE	NE	NE	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
7,12-Dimethylbenz(a)anthracene	mg/kg	0.25	4	NE	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Acenaphthene	mg/kg	1,000,000	290,000	NE	0.00097U	0.00096U	0.00092U	0.00090U	0.0010U	0.00098U	0.00098U	0.0010U	0.0011U	0.0011U
Acenaphthylene	mg/kg	130,000	290,000	NE	0.00097U	0.00096U	<b>0.02</b>	0.00090U	<b>0.016</b>	0.00098U	0.00098U	0.0010U	<b>0.0041J</b>	0.0011U
Acetophenone	mg/kg	2,500	2,500	NE	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Aniline	mg/kg	12,000	11,000	NE	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Anthracene	mg/kg	670,000	1,000,000	NE	0.00086U	0.00085U	<b>0.026</b>	<b>0.0052</b>	<b>0.024</b>	0.00087U	0.00087U	0.00092U	<b>0.012</b>	0.00094U
Azobenzene	mg/kg	NE	NE	NE	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Benzidine	mg/kg	0.31	4.8	NE	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Benzo(a)anthracene	mg/kg	610	9,600	12	<b>0.0054</b>	0.00085U	<b>0.081</b>	<b>0.015</b>	<b>0.086</b>	<b>0.0034J</b>	0.00087U	0.00092U	<b>0.021</b>	0.00094U
Benzo(a)pyrene	mg/kg	62	230	1.2	<b>0.0057</b>	0.00085U	<b>0.075</b>	<b>0.017</b>	<b>0.097</b>	0.00087U	0.00087U	0.00092U	<b>0.015</b>	0.00094U
Benzo(b)fluoranthene	mg/kg	620	10,000	12	<b>0.008</b>	0.00085U	<b>0.11</b>	<b>0.032</b>	<b>0.13</b>	<b>0.0048J</b>	0.00087U	0.00092U	<b>0.022</b>	<b>0.0041J</b>
Benzo(g,h,i)perylene	mg/kg	67,000	430,000	NE	<b>0.0053J</b>	0.0011U	<b>0.083</b>	<b>0.051</b>	<b>0.07</b>	0.0011U	<b>0.0037J</b>	0.0012U	<b>0.015</b>	0.0012U
Benzo(k)fluoranthene	mg/kg	6,200	100,000	120	<b>0.0073</b>	0.00096U	<b>0.081</b>	<b>0.015</b>	<b>0.1</b>	<b>0.0037J</b>	0.00098U	0.0010U	<b>0.014</b>	0.0011U
Benzyl alcohol	mg/kg	NE	NE	NE	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Bis(2-chloroethoxy)methane	mg/kg	7,600	48,000	NE	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Bis(2-chloroethyl)ether	mg/kg	30	290	NE	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Bis(2-chloroisopropyl)ether	mg/kg	1,000	1,000	NE	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Bis(2-ethylhexyl)phthalate	mg/kg	5,100	79,000	NE	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Butyl benzyl phthalate	mg/kg	37,000	590,000	NE	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Carbazole	mg/kg	3,500	56,000	NE	0.180U	0.018U	<b>0.018J</b>	0.017U	0.020U	0.019U	0.019U	0.020U	0.021U	0.020U
Chrysene	mg/kg	62,000	1,000,000	1,200	<b>0.0088</b>	0.00096U	<b>0.14</b>	<b>0.043</b>	<b>0.14</b>	<b>0.0057</b>	<b>0.0043J</b>	0.0010U	<b>0.045</b>	<b>0.0054J</b>
Di-n-butyl phthalate	mg/kg	250,000	480,000	NE	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Di-n-octyl phthalate	mg/kg	25,000	160,000	NE	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dibenzo(a,h)anthracene	mg/kg	62	1,000	1.2	0.00075U	0.00075U	<b>0.02</b>	<b>0.0078</b>	<b>0.018</b>	0.00076U	0.00076U	0.00081U	<b>0.0048J</b>	0.00082U
Dibenzofuran	mg/kg	4,700	9,700	NE	0.018U	0.018U	<b>0.17</b>	0.035J	<b>0.17</b>	0.019U	0.019U	0.020U	<b>0.053J</b>	0.020U
Diethyl phthalate	mg/kg	1,000,000	1,000,000	NE	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dimethyl phthalate	mg/kg	1,000,000	1,000,000	NE	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
1,4-Dioxane	mg/kg	850	9,700	NE	0.0027U	0.0027U	0.0026U	0.0025U	0.0029U	0.0027U	0.0027U	0.0029U	0.0031U	0.0029U
Dinoseb	mg/kg	2,500	1,600	NE	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Diphenylamine	mg/kg	NE	NE	NE	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Ethyl methanesulfonate	mg/kg	NE	NE	NE	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Fluoranthene	mg/kg	89,000	170,000	NE	0.015	0.00096U	<b>0.11</b>	<b>0.025</b>	<b>0.16</b>	<b>0.0089</b>	<b>0.0066</b>	<b>0.0024J</b>	<b>0.029</b>	0.0040J
Fluorene	mg/kg	89,000	580,000	NE	0.0011U	0.0011U	<b>0.052</b>	<b>0.0086</b>	<b>0.011</b>	0.0011U	0.0011U	0.0012U	<b>0.0087</b>	0.0012U
Hexachlorobenzene	mg/kg	22	16	NE	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT

**Table 3**  
**Summary of SVOCs in Soil**  
**Former Leake Oil**  
**448 E. Taggart Street, East Palestine, OH**

Sample ID (Depth <sup>1</sup> )	SB-04 (2-4 FT)	SB-04 (6-8 FT)	SB-09 (4-6 FT)	DUP 6324 (SB-09 4-6 FT)	SB-09 (10-12 FT)	SB-11 (4-6 FT)	SB-11 (8-10 FT)	SB-13 (8-10 FT)	SB-13 (10-12 FT)	SB-14 (6-8 FT)	DUP6424 (SB-14 6-8)	SB-14 (10-12 FT)	SB-15 (6-8 FT)	SB-15 (16-18 FT)
Collection Date	6/3/2024	6/3/2024	6/3/2024	6/3/2024	6/3/2024	6/3/2024	6/3/2024	6/4/2024	6/4/2024	6/4/2024	6/4/2024	6/4/2024	6/3/2024	6/3/2024
Parameter	Units <sup>2</sup>													
<b>Semi-Volatile Organic Compounds - SVOCs</b>														
1,2,4,5-Tetrachlorobenzene	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
1,2,4-Trichlorobenzene	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
1,2-Dichlorobenzene	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
1,3-Dichlorobenzene	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
1,3-Dinitrobenzene	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
1,4-Dichlorobenzene	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
1-Methylnaphthalene	mg/kg	<b>0.013</b>	<b>0.027J</b>	<b>0.5</b>	<b>0.29</b>	<b>0.041</b>	<b>0.27</b>	<b>0.24</b>	<b>1.1</b>	<b>0.17</b>	<b>2.6</b>	<b>0.35</b>	<b>0.12</b>	<b>0.55</b>
1-Naphthylamine	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2,3,4,6-Tetrachlorophenol	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2,4,5-Trichlorophenol	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2,4,6-Trichlorophenol	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2,4-Dichlorophenol	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2,4-Dimethylphenol	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2,4-Dinitrophenol	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2,4-Dinitrotoluene	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2,6-Dichlorophenol	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2,6-Dinitrotoluene	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2-Acetylaminofluorene	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2-Chloronaphthalene	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2-Chlorophenol	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2-Methylnaphthalene	mg/kg	<b>0.015</b>	<b>0.019 J</b>	<b>0.74</b>	<b>0.45</b>	<b>0.034</b>	<b>0.12</b>	<b>0.23</b>	<b>1.2</b>	<b>0.22</b>	<b>3.4</b>	<b>0.5</b>	<b>0.1</b>	<b>0.6</b>
2-Methylphenol	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2-Naphthylamine	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2-Nitroaniline	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2-Nitrophenol	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2-Picoline	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
3&4-Methylphenol	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
3,3'-Dichlorobenzidine	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
3-Methylcholanthrene	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
3-Nitroaniline	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
4,6-Dinitro-2-methylphenol	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
4-Aminobiphenyl	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
4-Bromophenyl phenyl ether	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
4-Chloro-3-methylphenol	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
4-Chloroaniline	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
4-Chlorophenyl phenyl ether	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
4-Nitroaniline	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
4-Nitrophenol	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT

Sample ID (Depth <sup>1</sup> )	SB-04 (2-4 FT)	SB-04 (6-8 FT)	SB-09 (4-6 FT)	DUP 6324 (SB-09 4-6 FT)	SB-09 (10-12 FT)	SB-11 (4-6 FT)	SB-11 (8-10 FT)	SB-13 (8-10 FT)	SB-13 (10-12 FT)	SB-14 (6-8 FT)	DUP6424 (SB-14 6-8)	SB-14 (10-12 FT)	SB-15 (6-8 FT)	SB-15 (16-18 FT)	
Collection Date	6/3/2024	6/3/2024	6/3/2024	6/3/2024	6/3/2024	6/3/2024	6/3/2024	6/4/2024	6/4/2024	6/4/2024	6/4/2024	6/4/2024	6/3/2024	6/3/2024	
Parameter	Units <sup>2</sup>														
4-Nitroquinoline 1-oxide	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
5-Nitro-o-toluidine	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
7,12-Dimethylbenz(a)anthracene	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Acenaphthene	mg/kg	0.00099U	<b>0.036</b>	0.0011U	0	0.0010U	<b>0.12</b>	0.00094U	<b>0.13</b>	0.00097U	<b>0.24</b>	0.00097U	0.00092U	0.0010U	0.00096U
Acenaphthylene	mg/kg	0.00099U	<b>0.011</b>	0.0011U	0	0.0010U	<b>0.056</b>	0.00094U	0.00093 U	0.00097U	0.0010U	0.00097U	0.00092U	0.0010U	0.00096U
Acetophenone	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Aniline	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Anthracene	mg/kg	0.00088U	<b>0.035</b>	<b>0.022</b>	<b>0.015</b>	0.00092U	<b>0.13</b>	<b>0.0093</b>	<b>0.11</b>	0.0059	<b>0.25</b>	<b>0.044</b>	<b>0.0028J</b>	<b>0.015</b>	<b>0.0055</b>
Azobenzene	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Benidine	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Benzo(a)anthracene	mg/kg	<b>0.0047J</b>	0.00088U	0.00095U	0	<b>0.0064</b>	<b>0.0036J</b>	<b>0.0091</b>	<b>0.0082</b>	0.01	<b>0.0042J</b>	0.00086U	<b>0.014</b>	<b>0.021</b>	<b>0.0097</b>
Benzo(a)pyrene	mg/kg	<b>0.0046J</b>	0.00088U	0.00095U	0	<b>0.0052J</b>	0.00088U	<b>0.0098</b>	<b>0.0068</b>	0.012	0.00090U	0.00086U	<b>0.013</b>	<b>0.019</b>	<b>0.014</b>
Benzo(b)fluoranthene	mg/kg	<b>0.0082</b>	0.00088U	0.00095U	0	<b>0.0097</b>	0.00088U	<b>0.021</b>	0.00088U	0.023	0.00090U	0.00086U	<b>0.026</b>	<b>0.04</b>	<b>0.023</b>
Benzo(g,h,i)perylene	mg/kg	<b>0.0074</b>	0.0011U	0.0012U	<b>0.0036</b>	<b>0.018</b>	0.0011U	<b>0.034</b>	<b>0.018</b>	0.044	0.0044J	0.0011U	<b>0.051</b>	<b>0.039</b>	<b>0.044</b>
Benzo(k)fluoranthene	mg/kg	<b>0.0063</b>	0.00099U	0.0011U	0	<b>0.0039J</b>	0.00099U	<b>0.0091</b>	<b>0.0068</b>	0.0083	0.0010U	0.00097U	<b>0.011</b>	<b>0.023</b>	<b>0.011</b>
Benzyl alcohol	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Bis(2-chloroethoxy)methane	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Bis(2-chloroethyl)ether	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Bis(2-chloroisopropyl)ether	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Bis(2-ethylhexyl)phthalate	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Butyl benzyl phthalate	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Carbazole	mg/kg	0.019U	0.019U	0.020U	0	0.020U	0.019U	0.019U	0.018U	0.018U	0.019U	0.018U	0.017U	0.019U	0.018U
Chrysene	mg/kg	<b>0.0083</b>	0.00099U	0.0011U	<b>0.0044</b>	<b>0.015</b>	<b>0.0053J</b>	<b>0.026</b>	<b>0.017</b>	0.029	<b>0.0091</b>	<b>0.0039J</b>	<b>0.041</b>	<b>0.046</b>	<b>0.026</b>
Di-n-butyl phthalate	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Di-n-octyl phthalate	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dibenzo(a,h)anthracene	mg/kg	0.00077U	0.00077U	0.00083U	0	0.00080U	0.00077U	<b>0.0045J</b>	<b>0.0026 J</b>	0.0053J	0.00079U	0.00075U	<b>0.007</b>	<b>0.0085</b>	<b>0.0053J</b>
Dibenzofuran	mg/kg	0.019U	0.019U	0.020U	0	0.020U	0.019U	<b>0.032J</b>	<b>0.20</b>	0.040J	<b>0.5</b>	<b>0.087J</b>	<b>0.033J</b>	<b>0.070J</b>	<b>0.042J</b>
Diethyl phthalate	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dimethyl phthalate	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
1,4-Dioxane	mg/kg	0.0028U	0.0028U	0.0030U	0	0.0029U	0.0028U	0.0026U	0.0026 U	0.0027U	0.0028U	0.0027U	0.0026U	0.0028U	0.0027U
Dinoseb	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Diphenylamine	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Ethyl methanesulfonate	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Fluoranthene	mg/kg	<b>0.017</b>	0.00099U	0.0011U	0	<b>0.0096</b>	0.00099U	<b>0.014</b>	<b>0.023</b>	<b>0.021</b>	<b>0.026</b>	<b>0.011</b>	<b>0.033</b>	<b>0.034</b>	<b>0.019</b>
Fluorene	mg/kg	0.0011U	<b>0.076</b>	<b>0.088</b>	<b>0.051</b>	<b>0.0035J</b>	<b>0.29</b>	<b>0.029</b>	<b>0.39</b>	<b>0.019</b>	<b>0.6</b>	0.0011U	<b>0.011</b>	<b>0.023J</b>	<b>0.02</b>
Hexachlorobenzene	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT

**Table 3**  
**Summary of SVOCs in Soil**  
**Former Leake Oil**

448 E. Taggart Street, East Palestine, O

IA-02

Sample ID (Depth <sup>1</sup> )		SB-16 ( 8-10 FT)	SB-16 (10-12 FT)	SB-17 (6-8 FT)	SB-17 (8-10 FT)	MW-02 (6-8 FT)	MW-02 (10-12 FT)	MW-03 (6-8 FT)	MW-03 (8-10 FT)	MW-04 (6-8 FT)	MW-04 (10-12 FT)	MW-05 (4-6 FT)	MW-05 (6-8 FT)	MW-06 (4-6 FT)	MW-06 (10-12 FT)
Collection Date		6/3/2024	6/3/2024	6/4/2024	6/4/2024	6/3/2024	6/3/2024	6/4/2024	6/4/2024	6/4/2024	6/4/2024	6/3/2024	6/3/2024	6/3/2024	6/3/2024
Parameter	Units <sup>2</sup>														
<b>Semi-Volatile Organic Compounds - SVOCs</b>															
1,2,4,5-Tetrachlorobenzene	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
1,2,4-Trichlorobenzene	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
1,2-Dichlorobenzene	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
1,3-Dichlorobenzene	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
1,3-Dinitrobenzene	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
1,4-Dichlorobenzene	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
1-Methylnaphthalene	mg/kg	<b>4.1</b>	<b>3.6</b>	<b>0.25</b>	<b>0.38</b>	<b>2.9</b>	<b>2.3</b>	<b>0.12</b>	<b>0.1</b>	<b>0.035</b>	<b>0.12</b>	<b>0.035</b>	<b>0.73</b>	<b>0.57</b>	<b>0.087</b>
1-Naphthylamine	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2,3,4,6-Tetrachlorophenol	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2,4,5-Trichlorophenol	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2,4,6-Trichlorophenol	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2,4-Dichlorophenol	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2,4-Dimethylphenol	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2,4-Dinitrophenol	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2,4-Dinitrotoluene	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2,6-Dichlorophenol	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2,6-Dinitrotoluene	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2-Acetylaminofluorene	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2-Chloronaphthalene	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2-Chlorophenol	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2-Methylnaphthalene	mg/kg	<b>6</b>	<b>5.3</b>	<b>0.0098</b>	<b>0.16</b>	<b>5</b>	<b>3.7</b>	<b>0.046</b>	<b>0.089</b>	<b>0.0071</b>	<b>0.094</b>	<b>0.042</b>	<b>0.078</b>	<b>0.47</b>	<b>0.066</b>
2-Methylphenol	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2-Naphthylamine	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2-Nitroaniline	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2-Nitrophenol	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2-Picoline	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
3&4-Methylphenol	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
3,3'-Dichlorobenzidine	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
3-Methylcholanthrene	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
3-Nitroaniline	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
4,6-Dinitro-2-methylphenol	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
4-Aminobiphenyl	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
4-Bromophenyl phenyl ether	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
4-Chloro-3-methylphenol	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
4-Chloroaniline	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
4-Chlorophenyl phenyl ether	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
4-Nitroaniline	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
4-Nitrophenol	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT



Sample ID (Depth <sup>1</sup> )		SB-16 ( 8-10 FT)	SB-16 (10-12 FT)	SB-17 (6-8 FT)	SB-17 (8-10 FT)	MW-02 (6-8 FT)	MW-02 (10-12 FT)	MW-03 (6-8 FT)	MW-03 (8-10 FT)	MW-04 (6-8 FT)	MW-04 (10-12 FT)	MW-05 (4-6 FT)	MW-05 (6-8 FT)	MW-06 (4-6 FT)	MW-06 (10-12 FT)
Collection Date		6/3/2024	6/3/2024	6/4/2024	6/4/2024	6/3/2024	6/3/2024	6/4/2024	6/4/2024	6/4/2024	6/4/2024	6/3/2024	6/3/2024	6/3/2024	6/3/2024
Parameter	Units <sup>2</sup>														
4-Nitroquinoline 1-oxide	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
5-Nitro-o-toluidine	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
7,12-Dimethylbenz(a)anthracene	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Acenaphthene	mg/kg	<b>0.24</b>	<b>0.2</b>	<b>0.046</b>	<b>0.13</b>	<b>0.16</b>	<b>0.12</b>	0.00093U	0.00099U	<b>0.018</b>	0.00091U	0.0011U	0.0010U	<b>0.06</b>	0.00095U
Acenaphthylene	mg/kg	0.00093U	0.0011U	0.0010U	0.0010U	0.0010U	0.0010U	0.00093U	0.00099U	0.0011U	0.00091U	0.0011U	0.0010U	0.0011U	0.00095U
Acetophenone	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Aniline	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Anthracene	mg/kg	<b>0.19</b>	<b>0.099</b>	<b>0.027</b>	<b>0.089</b>	<b>0.046</b>	<b>0.071</b>	<b>0.083</b>	<b>0.0026J</b>	<b>0.0030J</b>	0.00081U	0.00096U	<b>0.26</b>	<b>0.044</b>	<b>0.0024J</b>
Azobenzene	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Benidine	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Benzo(a)anthracene	mg/kg	<b>0.0058</b>	<b>0.0034J</b>	0.00093U	0.00092U	<b>0.0054J</b>	<b>0.0059</b>	<b>0.007</b>	<b>0.012</b>	0.00095U	<b>0.01</b>	0.00096U	<b>0.0034J</b>	<b>0.0050J</b>	<b>0.0088</b>
Benzo(a)pyrene	mg/kg	<b>0.0051J</b>	<b>0.0026J</b>	0.00093U	0.00092U	0.00091U	<b>0.0057</b>	0.00082U	<b>0.014</b>	0.00095U	<b>0.011</b>	0.00096U	0.00091U	<b>0.0037J</b>	<b>0.011</b>
Benzo(b)fluoranthene	mg/kg	<b>0.0093</b>	<b>0.0046J</b>	0.00093U	0.00092U	<b>0.0078</b>	<b>0.0096</b>	<b>0.0076</b>	<b>0.024</b>	0.00095U	<b>0.019</b>	<b>0.0045J</b>	0.00091U	<b>0.0066</b>	<b>0.018</b>
Benzo(g,h,i)perylene	mg/kg	<b>0.016</b>	<b>0.0056J</b>	0.0012U	0.0011U	<b>0.0098</b>	<b>0.016</b>	<b>0.0046J</b>	<b>0.053</b>	0.0012U	<b>0.04</b>	<b>0.0038J</b>	0.0011U	<b>0.0057J</b>	<b>0.037</b>
Benzo(k)fluoranthene	mg/kg	0.00093U	<b>0.0030J</b>	0.0010U	0.0010U	<b>0.0041J</b>	<b>0.0048J</b>	<b>0.0030J</b>	<b>0.011</b>	0.0011U	0.00091U	0.0011U	0.0010U	<b>0.0046J</b>	<b>0.0079</b>
Benzyl alcohol	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Bis(2-chloroethoxy)methane	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Bis(2-chloroethyl)ether	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Bis(2-chloroisopropyl)ether	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Bis(2-ethylhexyl)phthalate	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Butyl benzyl phthalate	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Carbazole	mg/kg	0.018U	0.020U	0.020U	0.019U	0.019U	0.019U	0.017U	0.019U	0.020U	0.017U	0.020U	0.019U	0.020U	0.018U
Chrysene	mg/kg	<b>0.015</b>	<b>0.0078</b>	0.0010U	<b>0.0037J</b>	<b>0.011</b>	<b>0.015</b>	<b>0.0079</b>	<b>0.033</b>	0.0011U	<b>0.027</b>	<b>0.0051J</b>	<b>0.0063</b>	<b>0.0097</b>	<b>0.025</b>
Di-n-butyl phthalate	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Di-n-octyl phthalate	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dibenzo(a,h)anthracene	mg/kg	0.00072U	0.00082U	0.00081U	0.00080U	0.00080U	0.00079U	0.00072U	<b>0.0065</b>	0.00083U	<b>0.0057</b>	0.00084U	0.00079U	0.00082U	<b>0.0046J</b>
Dibenzofuran	mg/kg	0.018U	<b>0.23</b>	0.020U	<b>0.11J</b>	<b>0.16</b>	<b>0.14</b>	0.017U	<b>0.021J</b>	0.020U	<b>0.020J</b>	0.020U	0.019U	<b>0.11J</b>	<b>0.027J</b>
Diethyl phthalate	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dimethyl phthalate	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
1,4-Dioxane	mg/kg	0.0026U	0.0029U	0.0029U	0.0029U	0.0028U	0.0028U	0.0026U	<b>0.0027U</b>	0.0030U	0.0025U	0.0030U	0.0028U	0.0029U	0.0026U
Dinoseb	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Diphenylamine	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Ethyl methanesulfonate	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Fluoranthene	mg/kg	0.00093U	<b>0.016</b>	0.0010U	0.0010U	<b>0.014</b>	<b>0.019</b>	0.00093U	<b>0.02</b>	0.0011U	<b>0.016</b>	<b>0.0055J</b>	0.0010U	0.0011U	<b>0.016</b>
Fluorene	mg/kg	<b>0.79</b>	<b>0.5</b>	<b>0.13</b>	<b>0.32</b>	<b>0.28</b>	<b>0.26</b>	0.0010U	<b>0.0064</b>	<b>0.036</b>	<b>0.0040J</b>	0.0012U	<b>0.51</b>	<b>0.15</b>	<b>0.0086</b>
Hexachlorobenzene	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT

**Table 3**  
**Summary of SVOCs in Soil**  
**Former Leake Oil**  
**448 E. Taggart Street, East Palestine, O**

Sample ID (Depth <sup>1</sup> )		SB-32 (0-2 FT)	SB-32 (2-4 FT)	SB-33 (0-2 FT)	SB-33 (2-4 FT)	SB-34 (0-2 FT)	SB-34 (2-4 FT)	SB-35 (2-4 FT)	SB-35 (4-6 FT)	SB-36 (2-4 FT)	SB-36 (4-6 FT)	MW-07 (0-2 FT)	MW-07 (6-8 FT)	MW-08 (4-6 FT)	MW-08 (6-8 FT)
Collection Date		6/7/2024	6/7/2024	6/7/2024	6/7/2024	6/7/2024	6/7/2024	6/7/2024	6/7/2024	6/7/2024	6/7/2024	6/17/2024	6/17/2024	6/17/2024	6/17/2024
Parameter	Units <sup>2</sup>														
<b>Semi-Volatile Organic Compounds - SVOCs</b>															
1,2,4,5-Tetrachlorobenzene	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.38	<0.42	<0.40	<0.39
1,2,4-Trichlorobenzene	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.38	<0.42	<0.40	<0.39
1,2-Dichlorobenzene	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.38	<0.42	<0.40	<0.39
1,3-Dichlorobenzene	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.38	<0.42	<0.40	<0.39
1,3-Dinitrobenzene	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.38	<0.42	<0.40	<0.39
1,4-Dichlorobenzene	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.38	<0.42	<0.40	<0.39
1-Methylnaphthalene	mg/kg	<b>0.47</b>	<b>4.1</b>	<b>0.011</b>	<b>0.0071</b>	<b>0.21</b>	<b>4.3</b>	<b>2.2</b>	<b>0.38</b>	<b>0.14</b>	<b>0.17</b>	<0.23	<0.25	<b>9.7</b>	<b>4.8</b>
1-Naphthylamine	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.38	<0.42	<0.40	<0.39
2,3,4,6-Tetrachlorophenol	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.38	<0.42	<0.40	<0.39
2,4,5-Trichlorophenol	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.38	<0.42	<0.40	<0.39
2,4,6-Trichlorophenol	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.38	<0.42	<0.40	<0.39
2,4-Dichlorophenol	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.38	<0.42	<0.40	<0.39
2,4-Dimethylphenol	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.38	<0.42	<0.40	<0.39
2,4-Dinitrophenol	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<1.9	<2.1	<2.0	<2.0
2,4-Dinitrotoluene	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.38	<0.42	<0.40	<0.39
2,6-Dichlorophenol	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.38	<0.42	<0.40	<0.39
2,6-Dinitrotoluene	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.38	<0.42	<0.40	<0.39
2-Acetylaminofluorene	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.38	<0.42	<0.40	<0.39
2-Chloronaphthalene	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.38	<0.42	<0.40	<0.39
2-Chlorophenol	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.38	<0.42	<0.40	<0.39
2-Methylnaphthalene	mg/kg	<b>0.67</b>	<b>6.6</b>	<b>0.015</b>	<b>0.0084</b>	<b>0.29</b>	<b>7</b>	<b>3.5</b>	<b>0.6</b>	<b>0.089</b>	<b>0.26</b>	<0.23	<0.25	<b>7.2</b>	<b>7.3</b>
2-Methylphenol	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.38	<0.42	<0.40	<0.39
2-Naphthylamine	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.38	<0.42	<0.40	<0.39
2-Nitroaniline	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<1.9	<2.1	<2.0	<2.0
2-Nitrophenol	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.38	<0.42	<0.40	<0.39
2-Picoline	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.38	<0.42	<0.40	<0.39
3&4-Methylphenol	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.38	<0.42	<0.40	<0.39
3,3'-Dichlorobenzidine	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.76	<0.84	<0.79	<0.78
3-Methylcholanthrene	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.38	<0.42	<0.40	<0.39
3-Nitroaniline	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<1.9	<2.1	<2.0	<2.0
4,6-Dinitro-2-methylphenol	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<1.9	<2.1	<2.0	<2.0
4-Aminobiphenyl	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.76	<0.84	<0.79	<0.78
4-Bromophenyl phenyl ether	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.38	<0.42	<0.40	<0.39
4-Chloro-3-methylphenol	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.76	<0.84	<0.79	<0.78
4-Chloroaniline	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.76	<0.84	<0.79	<0.78
4-Chlorophenyl phenyl ether	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.38	<0.42	<0.40	<0.39
4-Nitroaniline	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.76	<0.84	<0.79	<0.78
4-Nitrophenol	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<1.9	<2.1	<2.0	<2.0

Sample ID (Depth <sup>1</sup> )		SB-32 (0-2 FT)	SB-32 (2-4 FT)	SB-33 (0-2 FT)	SB-33 (2-4 FT)	SB-34 (0-2 FT)	SB-34 (2-4 FT)	SB-35 (2-4 FT)	SB-35 (4-6 FT)	SB-36 (2-4 FT)	SB-36 (4-6 FT)	MW-07 (0-2 FT)	MW-07 (6-8 FT)	MW-08 (4-6 FT)	MW-08 (6-8 FT)
Collection Date		6/7/2024	6/7/2024	6/7/2024	6/7/2024	6/7/2024	6/7/2024	6/7/2024	6/7/2024	6/7/2024	6/7/2024	6/17/2024	6/17/2024	6/17/2024	6/17/2024
Parameter	Units <sup>2</sup>														
4-Nitroquinoline 1-oxide	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<1.9	<2.1	<2.0	<2.0
5-Nitro-o-toluidine	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.38	<0.42	<0.40	<0.39
7,12-Dimethylbenz(a)anthracene	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.38	<0.42	<0.40	<0.39
Acenaphthene	mg/kg	0.0012 U	<b>0.37</b>	0.0010U	0.0012U	0.0010U	<b>0.15</b>	<b>0.19</b>	<b>0.046</b>	<b>0.012</b>	<b>0.044</b>	<0.23	<0.25	<b>0.77</b>	<b>0.52</b>
Acenaphthylene	mg/kg	<b>0.030</b>	0.0012 U	0.0010U	0.0012U	<b>0.0068</b>	0.0010U	0.0012U	0.0010U	0.0011U	0.00098U	<0.23	<0.25	<0.24	<0.24
Acetophenone	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.38	<0.42	<0.40	<0.39
Aniline	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.38	<0.42	<0.40	<0.39
Anthracene	mg/kg	<b>0.061</b>	<b>0.14</b>	0.00091U	0.0059J	<b>0.0078</b>	<b>0.034</b>	<b>0.083</b>	<b>0.038</b>	0.00094U	<b>0.063</b>	<0.23	<0.25	<b>0.6</b>	<0.24
Azobenzene	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.38	<0.42	<0.40	<0.39
Benzidine	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.38	<0.42	<0.40	<0.39
Benzo(a)anthracene	mg/kg	<b>0.12</b>	<b>0.024</b>	0.00091U	0.0010U	<b>0.027</b>	<b>0.019</b>	0.0011U	0.00091U	<b>0.0043J</b>	0.00087U	<0.11	<0.13	<0.12	<0.12
Benzo(a)pyrene	mg/kg	<b>0.14</b>	<b>0.023</b>	0.00091U	0.0010U	<b>0.03</b>	<b>0.02</b>	0.0011U	0.00091U	<b>0.0048J</b>	0.00087U	<0.11	<0.13	<0.12	<0.12
Benzo(b)fluoranthene	mg/kg	<b>0.18</b>	<b>0.031</b>	0.00091U	0.0010U	<b>0.032</b>	<b>0.025</b>	0.0011U	0.00091U	<b>0.0058J</b>	0.00087U	<0.23	<0.25	<0.24	<0.24
Benzo(g,h,i)perylene	mg/kg	<b>0.13</b>	<b>0.049</b>	0.0034J	<b>0.012</b>	<b>0.031</b>	<b>0.029</b>	0.0013U	0.0011U	<b>0.0053J</b>	0.0011U	<0.23	<0.25	<0.24	<0.24
Benzo(k)fluoranthene	mg/kg	<b>0.13</b>	<b>0.017</b>	0.0010U	0.0012U	<b>0.026</b>	<b>0.017</b>	0.0012U	0.0010U	<b>0.0051J</b>	0.00098U	<0.23	<0.25	<0.24	<0.24
Benzyl alcohol	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.76	<0.84	<0.79	<0.78
Bis(2-chloroethoxy)methane	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.38	<0.42	<0.40	<0.39
Bis(2-chloroethyl)ether	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.38	<0.42	<0.40	<0.39
Bis(2-chloroisopropyl)ether	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.38	<0.42	<0.40	<0.39
Bis(2-ethylhexyl)phthalate	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.38	<0.42	<0.40	<0.39
Butyl benzyl phthalate	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.38	<0.42	<0.40	<0.39
Carbazole	mg/kg	0.037J	0.067 J	0.019U	0.022U	0.020U	0.021J	0.022U	0.019U	0.020U	0.019U	<0.23	<0.25	<0.24	<0.24
Chrysene	mg/kg	<b>0.17</b>	<b>0.045</b>	0.0010U	0.0012U	<b>0.042</b>	<b>0.046</b>	<b>0.0046J</b>	0.0010U	<b>0.0063</b>	0.00098U	<0.23	<0.25	<0.24	<0.24
Di-n-butyl phthalate	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.38	<0.42	<0.40	<0.39
Di-n-octyl phthalate	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.38	<0.42	<0.40	<0.39
Dibenzo(a,h)anthracene	mg/kg	<b>0.028</b>	<b>0.0077</b>	0.00080U	0.00090U	0.0073	0.010	<b>0.0073</b>	<b>0.00079 U</b>	0.00082U	0.00076U	<0.11	<0.13	<0.12	<0.12
Dibenzofuran	mg/kg	<b>0.17</b>	<b>0.36</b>	0.019U	0.022U	<b>0.086J</b>	<b>0.2</b>	<b>0.16</b>	<b>0.065J</b>	0.020U	<b>0.053J</b>	<0.23	<0.25	<b>0.5</b>	<b>0.32</b>
Diethyl phthalate	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.38	<0.42	<0.40	<0.39
Dimethyl phthalate	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.38	<0.42	<0.40	<0.39
1,4-Dioxane	mg/kg	0.0029U	0.0033 U	0.0028U	0.0032U	0.0029U	0.0029U	0.0033U	0.0028U	0.0029U	0.0027U	NT	NT	NT	NT
Dinoseb	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.38	<0.42	<0.40	<0.39
Diphenylamine	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.38	<0.42	<0.40	<0.39
Ethyl methanesulfonate	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.38	<0.42	<0.40	<0.39
Fluoranthene	mg/kg	<b>0.22</b>	<b>0.053</b>	0.0010U	0.0012 U	<b>0.038</b>	<b>0.034</b>	0.0012U	0.0010U	<b>0.0056J</b>	0.00098U	<0.23	<0.25	<0.24	<0.24
Fluorene	mg/kg	<b>0.024</b>	<b>0.59</b>	0.0011U	0.0013 U	<b>0.0056J</b>	<b>0.27</b>	<b>0.36</b>	<b>0.14</b>	<b>0.022</b>	<b>0.18</b>	<0.23	<0.25	<b>1.3</b>	<b>0.63</b>
Hexachlorobenzene	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.38	<0.42	<0.40	<0.39

**Table 3**  
**Summary of SVOCs in Soil**  
**Former Leake Oil**  
**448 E. Taggart Street, East Palestine, O**

		IA-03													
Sample ID (Depth <sup>1</sup> )		MW-09 (4-6 FT)	MW-09 (6--8 FT)	MW-10 (6-8 FT)	MW-10 (8-10 FT)	MW-11 (0-2 FT)	MW-11 (8-10 FT)	SB-38 4-6 FT)	SB-38 (6-8 FT)	SB-39 (4-6 FT)	SB-39 (6-8 FT)	SB-40 (2-4 FT)	SB-40 (4-6 FT)	DUP-24	SB-23 (4-6 FT)
Collection Date		6/17/2024	6/17/2024	6/18/2024	6/18/2024	6/18/2024	6/18/2024	6/17/2024	6/17/2024	6/17/2024	6/17/2024	6/17/2024	6/17/2024	6/17/2024	6/5/2024
Parameter	Units <sup>2</sup>														
<b>Semi-Volatile Organic Compounds - SVOCs</b>															
1,2,4,5-Tetrachlorobenzene	mg/kg	<0.51	<0.39	<0.39	<0.39	<0.36	<0.39	<0.38	<0.41	<0.38	<0.40	<0.37	<0.40	<0.41	NT
1,2,4-Trichlorobenzene	mg/kg	<0.51	<0.39	<0.39	<0.39	<0.36	<0.39	<0.38	<0.41	<0.38	<0.40	<0.37	<0.40	<0.41	NT
1,2-Dichlorobenzene	mg/kg	<0.51	<0.39	<0.39	<0.39	<0.36	<0.39	<0.38	<0.41	<0.38	<0.40	<0.37	<0.40	<0.41	NT
1,3-Dichlorobenzene	mg/kg	<0.51	<0.39	<0.39	<0.39	<0.36	<0.39	<0.38	<0.41	<0.38	<0.40	<0.37	<0.40	<0.41	NT
1,3-Dinitrobenzene	mg/kg	<0.51	<0.39	<0.39	<0.39	<0.36	<0.39	<0.38	<0.41	<0.38	<0.40	<0.37	<0.40	<0.41	NT
1,4-Dichlorobenzene	mg/kg	<0.51	<0.39	<0.39	<0.39	<0.36	<0.39	<0.38	<0.41	<0.38	<0.40	<0.37	<0.40	<0.41	NT
1-Methylnaphthalene	mg/kg	<0.31	<b>0.52</b>	<b>7.3</b>	<b>2.7</b>	<0.22	<0.24	<0.23	<0.25	<0.23	<0.24	<0.22	<0.24	<0.25	<b>1.1</b>
1-Naphthylamine	mg/kg	<0.51	<0.39	<0.39	<0.39	<0.36	<0.39	<0.38	<0.41	<0.38	<0.40	<0.37	<0.40	<0.41	NT
2,3,4,6-Tetrachlorophenol	mg/kg	<0.51	<0.39	<0.39	<0.39	<0.36	<0.39	<0.38	<0.41	<0.38	<0.40	<0.37	<0.40	<0.41	NT
2,4,5-Trichlorophenol	mg/kg	<0.51	<0.39	<0.39	<0.39	<0.36	<0.39	<0.38	<0.41	<0.38	<0.40	<0.37	<0.40	<0.41	NT
2,4,6-Trichlorophenol	mg/kg	<0.51	<0.39	<0.39	<0.39	<0.36	<0.39	<0.38	<0.41	<0.38	<0.40	<0.37	<0.40	<0.41	NT
2,4-Dichlorophenol	mg/kg	<0.51	<0.39	<0.39	<0.39	<0.36	<0.39	<0.38	<0.41	<0.38	<0.40	<0.37	<0.40	<0.41	NT
2,4-Dimethylphenol	mg/kg	<0.51	<0.39	<0.39	<0.39	<0.36	<0.39	<0.38	<0.41	<0.38	<0.40	<0.37	<0.40	<0.41	NT
2,4-Dinitrophenol	mg/kg	<2.6	<2.0	<1.9	<2.0	<1.8	<2.0	<1.9	<2.1	<1.9	<2.0	<1.8	<2.0	<2.0	NT
2,4-Dinitrotoluene	mg/kg	<0.51	<0.39	<0.39	<0.39	<0.36	<0.39	<0.38	<0.41	<0.38	<0.40	<0.37	<0.40	<0.41	NT
2,6-Dichlorophenol	mg/kg	<0.51	<0.39	<0.39	<0.39	<0.36	<0.39	<0.38	<0.41	<0.38	<0.40	<0.37	<0.40	<0.41	NT
2,6-Dinitrotoluene	mg/kg	<0.51	<0.39	<0.39	<0.39	<0.36	<0.39	<0.38	<0.41	<0.38	<0.40	<0.37	<0.40	<0.41	NT
2-Acetylaminofluorene	mg/kg	<0.51	<0.39	<0.39	<0.39	<0.36	<0.39	<0.38	<0.41	<0.38	<0.40	<0.37	<0.40	<0.41	NT
2-Chloronaphthalene	mg/kg	<0.51	<0.39	<0.39	<0.39	<0.36	<0.39	<0.38	<0.41	<0.38	<0.40	<0.37	<0.40	<0.41	NT
2-Chlorophenol	mg/kg	<0.51	<0.39	<0.39	<0.39	<0.36	<0.39	<0.38	<0.41	<0.38	<0.40	<0.37	<0.40	<0.41	NT
2-Methylnaphthalene	mg/kg	<0.31	<b>0.53</b>	<b>14</b>	<b>4</b>	<0.22	<0.24	<0.23	<0.25	<0.23	<0.24	<0.22	<0.24	<0.25	<b>1.8</b>
2-Methylphenol	mg/kg	<0.51	<0.39	<0.39	<0.39	<0.36	<0.39	<0.38	<0.41	<0.38	<0.40	<0.37	<0.40	<0.41	NT
2-Naphthylamine	mg/kg	<0.51	<0.39	<0.39	<0.39	<0.36	<0.39	<0.38	<0.41	<0.38	<0.40	<0.37	<0.40	<0.41	NT
2-Nitroaniline	mg/kg	<2.6	<2.0	<1.9	<2.0	<1.8	<2.0	<1.9	<2.1	<1.9	<2.0	<1.8	<2.0	<2.0	NT
2-Nitrophenol	mg/kg	<0.51	<0.39	<0.39	<0.39	<0.36	<0.39	<0.38	<0.41	<0.38	<0.40	<0.37	<0.40	<0.41	NT
2-Picoline	mg/kg	<0.51	<0.39	<0.39	<0.39	<0.36	<0.39	<0.38	<0.41	<0.38	<0.40	<0.37	<0.40	<0.41	NT
3&4-Methylphenol	mg/kg	<0.51	<0.39	<0.39	<0.39	<0.36	<0.39	<0.38	<0.41	<0.38	<0.40	<0.37	<0.40	<0.41	NT
3,3'-Dichlorobenzidine	mg/kg	<1.0	<0.78	<0.78	<0.79	<0.73	<0.79	<0.76	<0.83	<0.76	<0.80	<0.74	<0.80	<0.82	NT
3-Methylcholanthrene	mg/kg	<0.51	<0.39	<0.39	<0.39	<0.36	<0.39	<0.38	<0.41	<0.38	<0.40	<0.37	<0.40	<0.41	NT
3-Nitroaniline	mg/kg	<2.6	<2.0	<1.9	<2.0	<1.8	<2.0	<1.9	<2.1	<1.9	<2.0	<1.8	<2.0	<2.0	NT
4,6-Dinitro-2-methylphenol	mg/kg	<2.6	<2.0	<1.9	<2.0	<1.8	<2.0	<1.9	<2.1	<1.9	<2.0	<1.8	<2.0	<2.0	NT
4-Aminobiphenyl	mg/kg	<1.0	<0.78	<0.78	<0.79	<0.73	<0.79	<0.76	<0.83	<0.76	<0.80	<0.74	<0.80	<0.82	NT
4-Bromophenyl phenyl ether	mg/kg	<0.51	<0.39	<0.39	<0.39	<0.36	<0.39	<0.38	<0.41	<0.38	<0.40	<0.37	<0.40	<0.41	NT
4-Chloro-3-methylphenol	mg/kg	<1.0	<0.78	<0.78	<0.79	<0.73	<0.79	<0.76	<0.83	<0.76	<0.80	<0.74	<0.80	<0.82	NT
4-Chloroaniline	mg/kg	<1.0	<0.78	<0.78	<0.79	<0.73	<0.79	<0.76	<0.83	<0.76	<0.80	<0.74	<0.80	<0.82	NT
4-Chlorophenyl phenyl ether	mg/kg	<0.51	<0.39	<0.39	<0.39	<0.36	<0.39	<0.38	<0.41	<0.38	<0.40	<0.37	<0.40	<0.41	NT
4-Nitroaniline	mg/kg	<1.0	<0.78	<0.78	<0.79	<0.73	<0.79	<0.76	<0.83	<0.76	<0.80	<0.74	<0.80	<0.82	NT
4-Nitrophenol	mg/kg	<2.6	<2.0	<1.9	<2.0	<1.8	<2.0	<1.9	<2.1	<1.9	<2.0	<1.8	<2.0	<2.0	NT



Sample ID (Depth <sup>1</sup> )		MW-09 (4-6 FT)	MW-09 (6--8 FT)	MW-10 (6-8 FT)	MW-10 (8-10 FT)	MW-11 (0-2 FT)	MW-11 (8-10 FT)	SB-38 4-6 FT)	SB-38 (6-8 FT)	SB-39 (4-6 FT)	SB-39 (6-8 FT)	SB-40 (2-4 FT)	SB-40 (4-6 FT)	DUP-24	SB-23 (4-6 FT)
Collection Date		6/17/2024	6/17/2024	6/18/2024	6/18/2024	6/18/2024	6/18/2024	6/17/2024	6/17/2024	6/17/2024	6/17/2024	6/17/2024	6/17/2024	6/17/2024	6/5/2024
Parameter	Units <sup>2</sup>														
4-Nitroquinoline 1-oxide	mg/kg	<2.6	<2.0	<1.9	<2.0	<1.8	<2.0	<1.9	<2.1	<1.9	<2.0	<1.8	<2.0	<2.0	NT
5-Nitro-o-toluidine	mg/kg	<0.51	<0.39	<0.39	<0.39	<0.36	<0.39	<0.38	<0.41	<0.38	<0.40	<0.37	<0.40	<0.41	NT
7,12-Dimethylbenz(a)anthracene	mg/kg	<0.51	<0.39	<0.39	<0.39	<0.36	<0.39	<0.38	<0.41	<0.38	<0.40	<0.37	<0.40	<0.41	NT
Acenaphthene	mg/kg	<0.31	<0.24	<0.24	<0.24	<0.22	<0.24	<0.23	<0.25	<0.23	<0.24	<0.22	<0.24	<0.25	<b>0.13</b>
Acenaphthylene	mg/kg	<0.31	<0.24	<0.24	<0.24	<0.22	<0.24	<0.23	<0.25	<0.23	<0.24	<0.22	<0.24	<0.25	0.00097U
Acetophenone	mg/kg	<0.51	<0.39	<0.39	<0.39	<0.36	<0.39	<0.38	<0.41	<0.38	<0.40	<0.37	<0.40	<0.41	NT
Aniline	mg/kg	<0.51	<0.39	<0.39	<0.39	<0.36	<0.39	<0.38	<0.41	<0.38	<0.40	<0.37	<0.40	<0.41	NT
Anthracene	mg/kg	<0.31	<0.24	<0.24	<0.24	<0.22	<0.24	<0.23	<0.25	<0.23	<0.24	<0.22	<0.24	<0.25	<b>0.039</b>
Azobenzene	mg/kg	<0.51	<0.39	<0.39	<0.39	<0.36	<0.39	<0.38	<0.41	<0.38	<0.40	<0.37	<0.40	<0.41	NT
Benzidine	mg/kg	<0.51	<0.39	<0.39	<0.39	<0.36	<0.39	<0.38	<0.41	<0.38	<0.40	<0.37	<0.40	<0.41	NT
Benzo(a)anthracene	mg/kg	<0.15	<0.12	<0.12	<0.12	<0.11	<0.12	<0.12	<0.13	<0.11	<0.12	<0.11	<0.12	<0.12	<b>0.0054</b>
Benzo(a)pyrene	mg/kg	<0.15	<0.12	<0.12	<0.12	<0.11	<0.12	<0.12	<0.13	<0.11	<0.12	<0.11	<0.12	<0.12	0.00086U
Benzo(b)fluoranthene	mg/kg	<0.31	<0.24	<0.24	<0.24	<0.22	<0.24	<0.23	<0.25	<0.23	<0.24	<0.22	<0.24	<0.25	<b>0.0098</b>
Benzo(g,h,i)perylene	mg/kg	<0.31	<0.24	<0.24	<0.24	<0.22	<0.24	<0.23	<0.25	<0.23	<0.24	<0.22	<0.24	<0.25	<b>0.0093</b>
Benzo(k)fluoranthene	mg/kg	<0.31	<0.24	<0.24	<0.24	<0.22	<0.24	<0.23	<0.25	<0.23	<0.24	<0.22	<0.24	<0.25	<b>0.0048J</b>
Benzyl alcohol	mg/kg	<1.0	<0.78	<0.78	<0.79	<0.73	<0.79	<0.76	<0.83	<0.76	<0.80	<0.74	<0.80	<0.82	NT
Bis(2-chloroethoxy)methane	mg/kg	<0.51	<0.39	<0.39	<0.39	<0.36	<0.39	<0.38	<0.41	<0.38	<0.40	<0.37	<0.40	<0.41	NT
Bis(2-chloroethyl)ether	mg/kg	<0.51	<0.39	<0.39	<0.39	<0.36	<0.39	<0.38	<0.41	<0.38	<0.40	<0.37	<0.40	<0.41	NT
Bis(2-chloroisopropyl)ether	mg/kg	<0.51	<0.39	<0.39	<0.39	<0.36	<0.39	<0.38	<0.41	<0.38	<0.40	<0.37	<0.40	<0.41	NT
Bis(2-ethylhexyl)phthalate	mg/kg	<0.51	<0.39	<0.39	<0.39	<0.36	<0.39	<0.38	<0.41	<0.38	<0.40	<0.37	<0.40	<0.41	NT
Butyl benzyl phthalate	mg/kg	<0.51	<0.39	<0.39	<0.39	<0.36	<0.39	<0.38	<0.41	<0.38	<0.40	<0.37	<0.40	<0.41	NT
Carbazole	mg/kg	<0.31	<0.24	<0.24	<0.24	<0.22	<0.24	<0.23	<0.25	<0.23	<0.24	<0.22	<0.24	<0.25	0.018U
Chrysene	mg/kg	<0.31	<0.24	<0.24	<0.24	<0.22	<0.24	<0.23	<0.25	<0.23	<0.24	<0.22	<0.24	<0.25	<b>0.014</b>
Di-n-butyl phthalate	mg/kg	<0.51	<0.39	<0.39	<0.39	<0.36	<0.39	<0.38	<0.41	<0.38	<0.40	<0.37	<0.40	<0.41	NT
Di-n-octyl phthalate	mg/kg	<0.51	<0.39	<0.39	<0.39	<0.36	<0.39	<0.38	<0.41	<0.38	<0.40	<0.37	<0.40	<0.41	NT
Dibenzo(a,h)anthracene	mg/kg	<0.15	<0.12	<0.12	<0.12	<0.11	<0.12	<0.12	<0.13	<0.11	<0.12	<0.11	<0.12	<0.12	0.00075U
Dibenzofuran	mg/kg	<0.31	<0.24	<0.24	<0.24	<0.22	<0.24	<0.23	<0.25	<0.23	<0.24	<0.22	<0.24	<0.25	<b>0.059J</b>
Diethyl phthalate	mg/kg	<0.51	<0.39	<0.39	<0.39	<0.36	<0.39	<0.38	<0.41	<0.38	<0.40	<0.37	<0.40	<0.41	NT
Dimethyl phthalate	mg/kg	<0.51	<0.39	<0.39	<0.39	<0.36	<0.39	<0.38	<0.41	<0.38	<0.40	<0.37	<0.40	<0.41	NT
1,4-Dioxane	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.0027U
Dinoseb	mg/kg	<0.51	<0.39	<0.39	<0.39	<0.36	<0.39	<0.38	<0.41	<0.38	<0.40	<0.37	<0.40	<0.41	NT
Diphenylamine	mg/kg	<0.51	<0.39	<0.39	<0.39	<0.36	<0.39	<0.38	<0.41	<0.38	<0.40	<0.37	<0.40	<0.41	NT
Ethyl methanesulfonate	mg/kg	<0.51	<0.39	<0.39	<0.39	<0.36	<0.39	<0.38	<0.41	<0.38	<0.40	<0.37	<0.40	<0.41	NT
Fluoranthene	mg/kg	<0.31	<0.24	<0.24	<0.24	<0.22	<0.24	<0.23	<0.25	<0.23	<0.24	<0.22	<0.24	<0.25	<b>0.020</b>
Fluorene	mg/kg	<0.31	<0.24	<0.24	<0.24	<0.22	<0.24	<0.23	<0.25	<0.23	<0.24	<0.22	<0.24	<0.25	<b>0.20</b>
Hexachlorobenzene	mg/kg	<0.51	<0.39	<0.39	<0.39	<0.36	<0.39	<0.38	<0.41	<0.38	<0.40	<0.37	<0.40	<0.41	NT

**Table 3**  
**Summary of SVOCs in Soil**  
**Former Leake Oil**  
**448 E. Taggart Street, East Palestine, O**

		IA-04													
Sample ID (Depth <sup>1</sup> )		SB-23 (8-10 FT)	SB-24 (4-6 FT)	SB-24 (6-8 FT)	SB-25 (4-6 FT)	SB-25 (6-8 FT)	SB-26 (4-6 FT)	SB-26 (8-10 FT)	DUP6524 (SB-26 [8-10])	SB-27 (4-6 FT)	SB-27 (6-8 FT)	SB-28 (4-6 FT)	SB-28 (6-8 FT)	SB-29 (2-4 FT)	SB-29 (4-6 FT)
Collection Date		6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/7/2024	6/7/2024
Parameter	Units <sup>2</sup>														
<b>Semi-Volatile Organic Compounds - SVOCs</b>															
1,2,4,5-Tetrachlorobenzene	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
1,2,4-Trichlorobenzene	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
1,2-Dichlorobenzene	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
1,3-Dichlorobenzene	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
1,3-Dinitrobenzene	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
1,4-Dichlorobenzene	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
1-Methylnaphthalene	mg/kg	<b>0.056</b>	<b>0.29</b>	<b>0.48</b>	<b>0.0024J</b>	<b>0.069</b>	<b>0.0069</b>	<b>0.11</b>	<b>0.91</b>	<b>0.027</b>	0.0011U	<b>2.7</b>	<b>1.3</b>	<b>0.012</b>	<b>0.0068</b>
1-Naphthylamine	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2,3,4,6-Tetrachlorophenol	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2,4,5-Trichlorophenol	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2,4,6-Trichlorophenol	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2,4-Dichlorophenol	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2,4-Dimethylphenol	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2,4-Dinitrophenol	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2,4-Dinitrotoluene	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2,6-Dichlorophenol	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2,6-Dinitrotoluene	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2-Acetylaminofluorene	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2-Chloronaphthalene	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2-Chlorophenol	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2-Methylnaphthalene	mg/kg	<b>0.055</b>	<b>0.14</b>	<b>0.22</b>	<b>0.0043J</b>	<b>0.083</b>	<b>0.0059</b>	<b>0.10</b>	<b>1.3</b>	<b>0.047</b>	0.0016U	<b>4.2</b>	<b>1.8</b>	<b>0.014</b>	<b>0.0084</b>
2-Methylphenol	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2-Naphthylamine	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2-Nitroaniline	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2-Nitrophenol	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2-Picoline	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
3&4-Methylphenol	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
3,3'-Dichlorobenzidine	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
3-Methylcholanthrene	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
3-Nitroaniline	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
4,6-Dinitro-2-methylphenol	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
4-Aminobiphenyl	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
4-Bromophenyl phenyl ether	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
4-Chloro-3-methylphenol	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
4-Chloroaniline	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
4-Chlorophenyl phenyl ether	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
4-Nitroaniline	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
4-Nitrophenol	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT

Sample ID (Depth <sup>1</sup> )		SB-23 (8-10 FT)	SB-24 (4-6 FT)	SB-24 (6-8 FT)	SB-25 (4-6 FT)	SB-25 (6-8 FT)	SB-26 (4-6 FT)	SB-26 (8-10 FT)	DUP6524 (SB-26 [8-10])	SB-27 (4-6 FT)	SB-27 (6-8 FT)	SB-28 (4-6 FT)	SB-28 (6-8 FT)	SB-29 (2-4 FT)	SB-29 (4-6 FT)
Collection Date		6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/7/2024	6/7/2024
Parameter	Units <sup>2</sup>														
4-Nitroquinoline 1-oxide	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
5-Nitro-o-toluidine	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
7,12-Dimethylbenz(a)anthracene	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Acenaphthene	mg/kg	0.0010U	0.0011U	0.00095U	0.00099U	0.0011U	0.00096U	0.0010U	0.0011U	<b>0.021</b>	0.0011U	0.0010U	0.0011U	0.0010U	0.00093U
Acenaphthylene	mg/kg	0.0010U	0.0011U	0.00095U	0.00099U	0.0011U	0.00096U	0.0010U	0.0011U	0.0011U	0.0011U	0.0010U	0.0011U	<b>0.0043J</b>	0.00093U
Acetophenone	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Aniline	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Anthracene	mg/kg	0.00090U	0.00099U	<b>0.0022J</b>	0.00088U	0.0010U	0.00085U	0.00093U	0.00097U	<b>0.0039J</b>	0.00096U	<b>0.076</b>	<b>0.043</b>	<b>0.0032J</b>	0.00082U
Azobenzene	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Benidine	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Benzo(a)anthracene	mg/kg	<b>0.0057</b>	0.0044J	<b>0.0092</b>	0.00088U	<b>0.0053J</b>	0.00085U	<b>0.014</b>	<b>0.041</b>	<b>0.0031J</b>	0.00096U	0.00089U	<b>0.013</b>	<b>0.011</b>	0.00082U
Benzo(a)pyrene	mg/kg	0.00090U	0.0047J	<b>0.0054</b>	0.00088U	<b>0.0041J</b>	0.00085U	<b>0.012</b>	<b>0.030</b>	<b>0.0039J</b>	0.00096U	0.00089U	0.00098U	<b>0.015</b>	0.00082U
Benzo(b)fluoranthene	mg/kg	<b>0.012</b>	<b>0.012</b>	<b>0.011</b>	0.00088U	<b>0.0050J</b>	0.00085U	<b>0.025</b>	<b>0.060</b>	<b>0.0053J</b>	0.00096U	0.00089U	0.00098U	<b>0.014</b>	0.00082U
Benzo(g,h,i)perylene	mg/kg	<b>0.017</b>	<b>0.011</b>	<b>0.014</b>	0.0011U	<b>0.0064</b>	0.0011U	<b>0.042</b>	<b>0.075</b>	<b>0.0062</b>	0.0012U	<b>0.0058</b>	<b>0.0053J</b>	<b>0.014</b>	0.0010U
Benzo(k)fluoranthene	mg/kg	<b>0.0049J</b>	<b>0.0084</b>	<b>0.0055</b>	0.00099U	<b>0.0038J</b>	0.00096U	<b>0.012</b>	<b>0.028</b>	<b>0.0047J</b>	0.0011U	0.0010U	0.0011U	<b>0.013</b>	0.00093U
Benzyl alcohol	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Bis(2-chloroethoxy)methane	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Bis(2-chloroethyl)ether	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Bis(2-chloroisopropyl)ether	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Bis(2-ethylhexyl)phthalate	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Butyl benzyl phthalate	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Carbazole	mg/kg	0.019U	0.021U	0.018U	0.019U	0.021U	0.018U	0.020U	<b>0.023J</b>	0.020U	0.020U	0.019U	0.021U	0.019U	0.017U
Chrysene	mg/kg	<b>0.016</b>	<b>0.011</b>	<b>0.022</b>	0.00099U	<b>0.0087</b>	0.00096U	<b>0.036</b>	<b>0.094</b>	<b>0.0040J</b>	0.0011U	<b>0.12</b>	<b>0.060</b>	<b>0.013</b>	<b>0.0039J</b>
Di-n-butyl phthalate	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Di-n-octyl phthalate	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dibenzo(a,h)anthracene	mg/kg	<b>0.0028J</b>	0.00086U	<b>0.0029J</b>	0.00077U	0.00087U	0.00074U	<b>0.0069</b>	<b>0.022</b>	<b>0.0048J</b>	0.00084U	0.00078U	0.00086U	<b>0.0028J</b>	0.00072U
Dibenzofuran	mg/kg	0.019U	0.021U	0.018U	0.019U	<b>0.031J</b>	0.018U	<b>0.023J</b>	<b>0.26</b>	<b>0.021J</b>	0.020U	<b>0.14</b>	<b>0.069J</b>	0.019U	0.017U
Diethyl phthalate	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dimethyl phthalate	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
1,4-Dioxane	mg/kg	0.0028U	0.0031U	0.0026U	0.0028U	0.0031U	0.0027U	0.0029U	0.0030U	0.0029U	0.0030U	0.0028U	0.0031U	0.0028U	0.0026U
Dinoseb	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Diphenylamine	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Ethyl methanesulfonate	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Fluoranthene	mg/kg	<b>0.012</b>	<b>0.014</b>	<b>0.017</b>	0.00099U	<b>0.012</b>	0.00096U	<b>0.046</b>	<b>0.090</b>	<b>0.0093</b>	0.0011U	<b>0.090</b>	<b>0.055</b>	<b>0.026</b>	<b>0.0021J</b>
Fluorene	mg/kg	0.0011U	<b>0.0035J</b>	<b>0.0051J</b>	0.0011U	<b>0.0033J</b>	<b>0.0022J</b>	<b>0.0026J</b>	<b>0.030</b>	<b>0.014</b>	0.0012U	<b>0.32</b>	<b>0.14</b>	<b>0.0025J</b>	0.0010U
Hexachlorobenzene	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT

**Table 3**  
**Summary of SVOCs in Soil**  
**Former Leake Oil**  
**448 E. Taggart Street, East Palestine, O**

Sample ID (Depth <sup>1</sup> )		SB-30 (4-6 FT)	SB-30 (6-8 FT)	SB-31 (2-4 FT)	SB-31 (6-8 FT)	DUP 6724 (SB-31 (6-8))
Collection Date		6/7/2024	6/7/2024	6/7/2024	6/7/2024	6/7/2024
Parameter	Units <sup>2</sup>					
<b>Semi-Volatile Organic Compounds - SVOCs</b>						
1,2,4,5-Tetrachlorobenzene	mg/kg	NT	NT	NT	NT	NT
1,2,4-Trichlorobenzene	mg/kg	NT	NT	NT	NT	NT
1,2-Dichlorobenzene	mg/kg	NT	NT	NT	NT	NT
1,3-Dichlorobenzene	mg/kg	NT	NT	NT	NT	NT
1,3-Dinitrobenzene	mg/kg	NT	NT	NT	NT	NT
1,4-Dichlorobenzene	mg/kg	NT	NT	NT	NT	NT
1-Methylnaphthalene	mg/kg	<b>0.063</b>	<b>0.16</b>	<b>0.20</b>	<b>0.046</b>	<b>0.018</b>
1-Naphthylamine	mg/kg	NT	NT	NT	NT	NT
2,3,4,6-Tetrachlorophenol	mg/kg	NT	NT	NT	NT	NT
2,4,5-Trichlorophenol	mg/kg	NT	NT	NT	NT	NT
2,4,6-Trichlorophenol	mg/kg	NT	NT	NT	NT	NT
2,4-Dichlorophenol	mg/kg	NT	NT	NT	NT	NT
2,4-Dimethylphenol	mg/kg	NT	NT	NT	NT	NT
2,4-Dinitrophenol	mg/kg	NT	NT	NT	NT	NT
2,4-Dinitrotoluene	mg/kg	NT	NT	NT	NT	NT
2,6-Dichlorophenol	mg/kg	NT	NT	NT	NT	NT
2,6-Dinitrotoluene	mg/kg	NT	NT	NT	NT	NT
2-Acetylaminofluorene	mg/kg	NT	NT	NT	NT	NT
2-Chloronaphthalene	mg/kg	NT	NT	NT	NT	NT
2-Chlorophenol	mg/kg	NT	NT	NT	NT	NT
2-Methylnaphthalene	mg/kg	<b>0.047</b>	<b>0.073</b>	<b>0.35</b>	<b>0.015</b>	<b>0.0080</b>
2-Methylphenol	mg/kg	NT	NT	NT	NT	NT
2-Naphthylamine	mg/kg	NT	NT	NT	NT	NT
2-Nitroaniline	mg/kg	NT	NT	NT	NT	NT
2-Nitrophenol	mg/kg	NT	NT	NT	NT	NT
2-Picoline	mg/kg	NT	NT	NT	NT	NT
3&4-Methylphenol	mg/kg	NT	NT	NT	NT	NT
3,3'-Dichlorobenzidine	mg/kg	NT	NT	NT	NT	NT
3-Methylcholanthrene	mg/kg	NT	NT	NT	NT	NT
3-Nitroaniline	mg/kg	NT	NT	NT	NT	NT
4,6-Dinitro-2-methylphenol	mg/kg	NT	NT	NT	NT	NT
4-Aminobiphenyl	mg/kg	NT	NT	NT	NT	NT
4-Bromophenyl phenyl ether	mg/kg	NT	NT	NT	NT	NT
4-Chloro-3-methylphenol	mg/kg	NT	NT	NT	NT	NT
4-Chloroaniline	mg/kg	NT	NT	NT	NT	NT
4-Chlorophenyl phenyl ether	mg/kg	NT	NT	NT	NT	NT
4-Nitroaniline	mg/kg	NT	NT	NT	NT	NT
4-Nitrophenol	mg/kg	NT	NT	NT	NT	NT



Sample ID (Depth <sup>1</sup> )		SB-30 (4-6 FT)	SB-30 (6-8 FT)	SB-31 (2-4 FT)	SB-31 (6-8 FT)	DUP 6724 (SB-31 (6-8))
Collection Date		6/7/2024	6/7/2024	6/7/2024	6/7/2024	6/7/2024
Parameter	Units <sup>2</sup>					
4-Nitroquinoline 1-oxide	mg/kg	NT	NT	NT	NT	NT
5-Nitro-o-toluidine	mg/kg	NT	NT	NT	NT	NT
7,12-Dimethylbenz(a)anthracene	mg/kg	NT	NT	NT	NT	NT
Acenaphthene	mg/kg	0.0011U	<b>0.016</b>	0.0011U	<b>0.0061J</b>	<b>0.0040J</b>
Acenaphthylene	mg/kg	<b>0.0030J</b>	<b>0.0094</b>	0.0011U	0.0011U	0.0010U
Acetophenone	mg/kg	NT	NT	NT	NT	NT
Aniline	mg/kg	NT	NT	NT	NT	NT
Anthracene	mg/kg	<b>0.0036J</b>	<b>0.0090</b>	<b>0.0046J</b>	0.00098U	0.00092U
Azobenzene	mg/kg	NT	NT	NT	NT	NT
Benzidine	mg/kg	NT	NT	NT	NT	NT
Benzo(a)anthracene	mg/kg	<b>0.0063J</b>	<b>0.0054J</b>	<b>0.0047J</b>	0.00098U	0.00092U
Benzo(a)pyrene	mg/kg	0.0010U	0.00091U	0.0010U	0.00098U	0.00092U
Benzo(b)fluoranthene	mg/kg	<b>0.0087</b>	<b>0.0065</b>	<b>0.0067</b>	0.00098U	0.00092U
Benzo(g,h,i)perylene	mg/kg	<b>0.013</b>	<b>0.0090</b>	<b>0.0055J</b>	0.0012U	0.0011U
Benzo(k)fluoranthene	mg/kg	<b>0.0055J</b>	0.0010U	<b>0.0053J</b>	0.0011U	0.0010U
Benzyl alcohol	mg/kg	NT	NT	NT	NT	NT
Bis(2-chloroethoxy)methane	mg/kg	NT	NT	NT	NT	NT
Bis(2-chloroethyl)ether	mg/kg	NT	NT	NT	NT	NT
Bis(2-chloroisopropyl)ether	mg/kg	NT	NT	NT	NT	NT
Bis(2-ethylhexyl)phthalate	mg/kg	NT	NT	NT	NT	NT
Butyl benzyl phthalate	mg/kg	NT	NT	NT	NT	NT
Carbazole	mg/kg	0.022U	0.019U	0.022U	0.021U	0.019U
Chrysene	mg/kg	<b>0.014</b>	<b>0.012</b>	<b>0.010</b>	0.0011U	0.0010U
Di-n-butyl phthalate	mg/kg	NT	NT	NT	NT	NT
Di-n-octyl phthalate	mg/kg	NT	NT	NT	NT	NT
Dibenzo(a,h)anthracene	mg/kg	0.00089U	0.00079U	0.00089U	0.00086U	0.00080U
Dibenzofuran	mg/kg	0.022U	<b>0.029J</b>	0.022U	0.021U	0.019U
Diethyl phthalate	mg/kg	NT	NT	NT	NT	NT
Dimethyl phthalate	mg/kg	NT	NT	NT	NT	NT
1,4-Dioxane	mg/kg	0.0032U	0.0028U	0.0032U	0.0031U	0.0029U
Dinoseb	mg/kg	NT	NT	NT	NT	NT
Diphenylamine	mg/kg	NT	NT	NT	NT	NT
Ethyl methanesulfonate	mg/kg	NT	NT	NT	NT	NT
Fluoranthene	mg/kg	<b>0.011</b>	<b>0.010</b>	<b>0.019</b>	0.0011U	0.0010U
Fluorene	mg/kg	<b>0.0077</b>	<b>0.023</b>	<b>0.016</b>	0.0012U	0.0011U
Hexachlorobenzene	mg/kg	NT	NT	NT	NT	NT

**Table 4  
Summary of Lead and TPH in Soil  
Former Leake Oil**

**448 E. Taggart Street, East Palestine, Ohio**

Sample ID (Depth <sup>1</sup> )		VAP Standards		BUSTR <sup>5</sup>	IA-01													
					SB-01 (2-4 FT)	SB-01 (16-18 FT)	SB-05 (0-2 FT)	SB-05 (10-12FT)	SB-18 (0-2 FT)	SB-18 (2-4 FT)	SB-19 (2-4 FT)	SB-19 (4-6 FT)	MW-01 (2-4 FT)	MW-01 (4-6 FT)	SB-04 (2-4 FT)	SB-04 (6-8 FT)	SB-09 (4-6 FT)	DUP 6324 (SB-09 4-6 FT)
Collect Date		GDCS Commercial & Industrial Land Use <sup>3</sup>	GDCS Construction & Excavation Activities <sup>4</sup>	Closure Action Levels	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/3/2024	6/3/2024	6/3/2024	6/3/2024
Parameter	Units <sup>2</sup>																	
<b>Lead</b>																		
Lead	mg/kg	800	400	NE	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
<b>Total Petroleum Hydrocarbons-TPH</b>																		
TPH GRO	mg/kg	NE	1,000 <sup>10</sup>	2.0U	2.1U	<b>14.9</b>	1.8U	<b>10.3J</b>	2.1U	2.2U	2.2U	2.2U	2.4U	<b>3.9J</b>	<b>6.6J</b>	<b>300</b>	<b>90.2</b>	
TPH DRO	mg/kg		2,000 <sup>10</sup>	<b>8.9J</b>	<b>7.0J</b>	<b>27.5</b>	<b>25.5</b>	<b>580</b>	<b>6.3J</b>	<b>7.0J</b>	<b>4.1J</b>	<b>6.1J</b>	<b>12.8J</b>	<b>17.1</b>	<b>165</b>	<b>206</b>	<b>303</b>	
TPH C20-C34	mg/kg		5,000 <sup>10</sup>	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	

**Notes**

- 1. FT - Feet below grade
  - 2. mg/kg = Milligrams per kilogram - parts per million (ppm)
  - 3. Ohio EPA Voluntary Action Program (VAP) Generic Direct Contact Standard (GDCS) for Residential Land Use, OAC 3745-300-08 (C)(3)(b).
  - 4. Ohio EPA Voluntary Action Program (VAP) Generic Direct Contact Standard (GDCS) for Construction and Excavation Activities, OAC 3745-300-08 (C)(3)(d).
  - 5. BUSTR Action Levels defined in OAC 1301: 7-9-13, as required by OAC 3745-300-08(B)(3), Sand and Gravel, Unknown Soil Type.
- NE: Not Established (No Regulatory Limits Under the VAP Have Been Established for the Specific Compound).
- J = Analyte is present at an estimated concentration between the Method Detection Limit and Report Limit.
- U = Analyte is below laboratory reporting limits.
- NT = Sample not tested for the analytical method.
- Bold** numbers indicate a concentration above laboratory detection limits.
- Bold and shaded** numbers indicate a detected concentration above a comparison standard.
- Regulatory standards cited are for comparison only. Cited standards assume residential use and Soil Class 1.*

**Table 4**  
**Summary of Lead and TPH in Soil**  
**Former Leake Oil**  
**448 E. Taggart Street, East Palestine, Ohio**

Sample ID (Depth <sup>1</sup> )		VAP Standards		BUSTR <sup>5</sup>	SB-09 (10-12 FT)	SB-11 (4-6 FT)	SB-11 (8-10 FT)	SB-13 (8-10 FT)	SB-13 (10-12 FT)	SB-14 (6-8 FT)	DUP6424 (SB-14 6- 8)	SB-14 (10-12 FT)	SB-15 (6-8 FT)	SB-15 (16-18 FT)	SB-16 ( 8- 10 FT)	SB-16 (10- 12 FT)	SB-17 (6-8 FT)	SB-17 (8- 10 FT)	
Collect Date		GDCS Commercial & Industrial Land Use <sup>3</sup>	GDCS Construction & Excavation Activities <sup>4</sup>	Closure Action Levels	6/3/2024	6/3/2024	6/3/2024	6/4/2024	6/4/2024	6/4/2024	6/4/2024	6/4/2024	6/3/2024	6/3/2024	6/3/2024	6/3/2024	6/4/2024	6/4/2024	
Parameter	Units <sup>2</sup>																		
<b>Lead</b>																			
Lead	mg/kg	800	400	NE	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
<b>Total Petroleum Hydrocarbons-TPH</b>																			
TPH GRO	mg/kg	NE		1,000 <sup>10</sup>	<b>5.9J</b>	<b>422</b>	<b>2.7J</b>	<b>1,350</b>	<b>3.0J</b>	<b>441</b>	<b>791</b>	<b>4.2J</b>	<b>60.6</b>	<b>2.0J</b>	<b>294</b>	<b>155</b>	<b>24.7</b>	<b>211</b>	
TPH DRO	mg/kg		2,000 <sup>10</sup>	<b>45.5</b>	<b>3,650</b>	<b>38.5</b>	NT	NT	<b>1,910</b>	<b>956</b>	<b>30.6</b>	<b>82.1</b>	<b>65.8</b>	<b>2,150</b>	<b>803</b>	<b>267</b>	<b>832</b>		
TPH C20-C34	mg/kg		5,000 <sup>10</sup>	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT		

**Notes**

- 1. FT - Feet below grade
- 2. mg/kg = Milligrams per kilogram - parts per million (ppm)
- 3. Ohio EPA Voluntary Action Program (VAP) Generic Direct Contact Standard (GDCS) for Residential Land Use, C
- 4. Ohio EPA Voluntary Action Program (VAP) Generic Direct Contact Standard (GDCS) for Construction and Excavation
- 5. BUSTR Action Levels defined in OAC 1301: 7-9-13, as required by OAC 3745-300-08(B)(3), Sand and Gravel, NE: Not Established (No Regulatory Limits Under the VAP Have Been Established for the Specific Compound).
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- U = Analyte is below laboratory reporting limits.
- NT = Sample not tested for the analytical method.
- Bold** numbers indicate a concentration above laboratory detection limits.
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**Table 4**  
**Summary of Lead and TPH in Soil**  
**Former Leake Oil**  
**448 E. Taggart Street, East Palestine, Ohio**

Sample ID (Depth <sup>1</sup> )		VAP Standards		BUSTR <sup>5</sup>	IA-02													
					MW-02 (6-8 FT)	MW-02 (10-12 FT)	MW-03 (6-8 FT)	MW-03 (8-10 FT)	MW-04 (6-8 FT)	MW-04 (10-12 FT)	MW-05 (4-6 FT)	MW-05 (6-8 FT)	MW-06 (4-6 FT)	MW-06 (10-12 FT)	SB-32 (0-2 FT)	SB-32 (2-4 FT)	SB-33 (0-2 FT)	SB-33 (2-4 FT)
Collect Date		GDCS Commercial & Industrial Land Use <sup>3</sup>	GDCS Construction & Excavation Activities <sup>4</sup>	Closure Action Levels	6/3/2024	6/3/2024	6/4/2024	6/4/2024	6/4/2024	6/4/2024	6/3/2024	6/3/2024	6/3/2024	6/3/2024	6/7/2024	6/7/2024	6/7/2024	6/7/2024
Parameter	Units <sup>2</sup>																	
<b>Lead</b>																		
Lead	mg/kg	800	400	NE	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
<b>Total Petroleum Hydrocarbons-TPH</b>																		
TPH GRO	mg/kg	NE		1,000 <sup>10</sup>	<b>229</b>	<b>211</b>	<b>219</b>	2.1U	<b>12.9</b>	<b>4.8J</b>	1.9U	<b>188</b>	<b>359</b>	2.0U	<b>5.9J</b>	<b>306</b>	<b>4.8J</b>	<b>2.6J</b>
TPH DRO	mg/kg			2,000 <sup>10</sup>	<b>328</b>	<b>714</b>	<b>1,200</b>	<b>28.2</b>	<b>24.3</b>	<b>27.0</b>	<b>12.7</b>	<b>1,580</b>	<b>614</b>	<b>26.4</b>	<b>267</b>	<b>618</b>	<b>9.8J</b>	<b>87.8</b>
TPH C20-C34	mg/kg			5,000 <sup>10</sup>	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT

**Notes**

- 1. FT - Feet below grade
- 2. mg/kg = Milligrams per kilogram - parts per million (ppm)
- 3. Ohio EPA Voluntary Action Program (VAP) Generic Direct Contact Standard (GDCS) for Residential Land Use, C
- 4. Ohio EPA Voluntary Action Program (VAP) Generic Direct Contact Standard (GDCS) for Construction and Excavation
- 5. BUSTR Action Levels defined in OAC 1301: 7-9-13, as required by OAC 3745-300-08(B)(3), Sand and Gravel, NE: Not Established (No Regulatory Limits Under the VAP Have Been Established for the Specific Compound).
- J = Analyte is present at an estimated concentration between the Method Detection Limit and Report Limit.
- U = Analyte is below laboratory reporting limits.
- NT = Sample not tested for the analytical method.
- Bold** numbers indicate a concentration above laboratory detection limits.
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**Table 4**  
**Summary of Lead and TPH in Soil**  
**Former Leake Oil**  
**448 E. Taggart Street, East Palestine, Ohio**

Sample ID (Depth <sup>1</sup> )		VAP Standards		BUSTR <sup>5</sup>	SB-34 (0-2 FT)	SB-34 (2-4 FT)	SB-35 (2-4 FT)	SB-35 (4-6 FT)	SB-36 (2-4 FT)	SB-36 (4-6 FT)	HA-01	HA-02	MW-07 (0-2 FT)	MW-07 (6-8 FT)	MW-08 (4-6 FT)	MW-08 (6-8 FT)	MW-09 (4-6 FT)	MW-09 (6-8 FT)	
Collect Date	Parameter	Units <sup>2</sup>	GDCS Commercial & Industrial Land Use <sup>3</sup>	GDCS Construction & Excavation Activities <sup>4</sup>	Closure Action Levels														
	Lead	mg/kg	800	400	NE	NT	NT	NT	NT	NT	80.4	NT	NT	NT	NT	NT	NT	NT	NT
<b>Total Petroleum Hydrocarbons-TPH</b>																			
	TPH GRO	mg/kg	NE		1,000 <sup>10</sup>	<b>9.9J</b>	<b>80.6</b>	<b>612</b>	<b>416</b>	<b>4.6J</b>	<b>454</b>	NT	NT	<2.3	<2.5	<b>68</b>	<b>98</b>	<b>3.3</b>	<b>6</b>
	TPH DRO	mg/kg		2,000 <sup>10</sup>	<b>101</b>	<b>194</b>	<b>290</b>	<b>185</b>	<b>5.8J</b>	<b>260</b>	NT	<b>352</b>	<15	<17	<b>2,100</b>	<b>270</b>	<21	<b>250</b>	
	TPH C20-C34	mg/kg		5,000 <sup>10</sup>	NT	NT	NT	NT	NT	NT	NT	NT	<15	<17	43	<16	<21	<16	

**Notes**

- 1. FT - Feet below grade
- 2. mg/kg = Milligrams per kilogram - parts per million (ppm)
- 3. Ohio EPA Voluntary Action Program (VAP) Generic Direct Contact Standard (GDCS) for Residential Land Use, C
- 4. Ohio EPA Voluntary Action Program (VAP) Generic Direct Contact Standard (GDCS) for Construction and Excavation
- 5. BUSTR Action Levels defined in OAC 1301: 7-9-13, as required by OAC 3745-300-08(B)(3), Sand and Gravel, NE: Not Established (No Regulatory Limits Under the VAP Have Been Established for the Specific Compound).
- J = Analyte is present at an estimated concentration between the Method Detection Limit and Report Limit.
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**Table 4**  
**Summary of Lead and TPH in Soil**  
**Former Leake Oil**  
**448 E. Taggart Street, East Palestine, Ohio**

Sample ID (Depth <sup>1</sup> )		VAP Standards		BUSTR <sup>5</sup>	IA-03																
					MW-10 (6-8 FT)	MW-10 (8-10 FT)	MW-11 (0-2 FT)	MW-11 (8-10 FT)	SB-38 (4-6 FT)	SB-38 (6-8 FT)	SB-39 (4-6 FT)	SB-39 (6-8 FT)	SB-40 (2-4 FT)	SB-40 (4-6 FT)	HA-06 (0-2 FT)	HA-07 (0-2 FT)	HA-08 (0-2 FT)	HA-09 (0-2 FT)			
Collect Date	Parameter	Units <sup>2</sup>	GDCS Commercial & Industrial Land Use <sup>3</sup>	GDCS Construction & Excavation Activities <sup>4</sup>	Closure Action Levels	6/18/2024	6/18/2024	6/18/2024	6/18/2024	6/17/2024	6/17/2024	6/17/2024	6/17/2024	6/17/2024	6/17/2024	6/17/2024	6/17/2024	6/17/2024	6/17/2024		
<b>Lead</b>																					
Lead	mg/kg		800	400	NE	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	210	19	29	49	
<b>Total Petroleum Hydrocarbons-TPH</b>																					
TPH GRO	mg/kg		NE		1,000 <sup>10</sup>	960	360	<2.2	<2.4	4.6	2.8	<2.3	<2.4	<2.2	<2.4		NT	NT	NT	NT	
TPH DRO	mg/kg			2,000 <sup>10</sup>	740	580	<15	<16	120	<17	<15	<16	<15	<16	<15	<16		NT	NT	NT	NT
TPH C20-C34	mg/kg			5,000 <sup>10</sup>	<16	<16	15	<16	<15	<17	<15	<16	<15	<16	<15	<16		NT	NT	NT	NT

**Notes**

1. FT - Feet below grade
2. mg/kg = Milligrams per kilogram - parts per million (ppm)
3. Ohio EPA Voluntary Action Program (VAP) Generic Direct Contact Standard (GDCS) for Residential Land Use, C
4. Ohio EPA Voluntary Action Program (VAP) Generic Direct Contact Standard (GDCS) for Construction and Excavation
5. BUSTR Action Levels defined in OAC 1301: 7-9-13, as required by OAC 3745-300-08(B)(3), Sand and Gravel, NE: Not Established (No Regulatory Limits Under the VAP Have Been Established for the Specific Compound).

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**Table 4**  
**Summary of Lead and TPH in Soil**  
**Former Leake Oil**  
**448 E. Taggart Street, East Palestine, Ohio**

Sample ID (Depth <sup>1</sup> )		VAP Standards		BUSTR <sup>5</sup>	HA-10 (0-2 FT)	DUPHA-24 (HA-10)	HA-11 (0-2 FT)	HA-12 (0-2 FT)	HA-13 (0-2 FT)	SB-23 (4-6 FT)	SB-23 (8-10 FT)	SB-24 (4-6 FT)	SB-24 (6-8 FT)	SB-25 (4-6 FT)	SB-25 (6-8 FT)	SB-26 (4-6 FT)	SB-26 (8-10 FT)	DUP6524 (SB-26 [8-10])	
Collect Date		GDCS Commercial & Industrial Land Use <sup>3</sup>	GDCS Construction & Excavation Activities <sup>4</sup>	Closure Action Levels	6/17/2024	6/17/2024	6/17/2024	6/17/2024	6/17/2024	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/5/2024	
Parameter	Units <sup>2</sup>																		
<b>Lead</b>																			
Lead	mg/kg	800	400	NE	110	120	24	790	1,600	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
<b>Total Petroleum Hydrocarbons-TPH</b>																			
TPH GRO	mg/kg	NE		1,000 <sup>10</sup>	NT	NT	NT	NT	NT	117	4.0J	3.7J	5.8J	2.2J	2.3J	9.9J	1.9U	2.2U	
TPH DRO	mg/kg			2,000 <sup>10</sup>	NT	NT	NT	NT	NT	NT	150	10.3J	24.7	24.5	4.7J	12.8J	9.6J	20.0	39.4
TPH C20-C34	mg/kg			5,000 <sup>10</sup>	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT

**Notes**

1. FT - Feet below grade
  2. mg/kg = Milligrams per kilogram - parts per million (ppm)
  3. Ohio EPA Voluntary Action Program (VAP) Generic Direct Contact Standard (GDCS) for Residential Land Use, C
  4. Ohio EPA Voluntary Action Program (VAP) Generic Direct Contact Standard (GDCS) for Construction and Excavation
  5. BUSTR Action Levels defined in OAC 1301: 7-9-13, as required by OAC 3745-300-08(B)(3), Sand and Gravel, NE: Not Established (No Regulatory Limits Under the VAP Have Been Established for the Specific Compound).
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**Table 4**  
**Summary of Lead and TPH in Soil**  
**Former Leake Oil**  
**448 E. Taggart Street, East Palestine, Ohio**

IA-04																		
Sample ID (Depth <sup>1</sup> )		VAP Standards		BUSTR <sup>5</sup>	SB-27 (4-6 FT)	SB-27 (6-8 FT)	SB-28 (4-6 FT)	SB-28 (6-8 FT)	SB-29 (2-4 FT)	SB-29 (4-6 FT)	SB-30 (4-6 FT)	SB-30 (6-8 FT)	SB-31 (2-4 FT)	SB-31 (6-8 FT)	DUP 6724 (SB-31 (6-8))	HA-03 (0-2 FT)	HA-04	HA-05
Parameter	Units <sup>2</sup>	GDCS Commercial & Industrial Land Use <sup>3</sup>	GDCS Construction & Excavation Activities <sup>4</sup>	Closure Action Levels	6/7/2024	6/7/2024	6/7/2024	6/7/2024	6/7/2024	6/7/2024	6/7/2024	6/7/2024	6/7/2024	6/7/2024	6/7/2024	6/5/2024	6/8/2024	6/8/2024
					<b>Lead</b>													
Lead	mg/kg	800	400	NE	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	1,010	19.0	479
<b>Total Petroleum Hydrocarbons-TPH</b>																		
TPH GRO	mg/kg	NE		1,000 <sup>10</sup>	4.7J	9.0J	1,680	1,190	2.1U	2.3U	2.3J	36.2	37.1	4.1J	2.4J	NT	NT	NT
TPH DRO	mg/kg			2,000 <sup>10</sup>	11.6J	10J	3,110	1,330	61.3	16.5	41.1	45.3	48.8	22.5	21.2	NT	110	734
TPH C20-C34	mg/kg			5,000 <sup>10</sup>	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT

**Notes**

1. FT - Feet below grade
2. mg/kg = Milligrams per kilogram - parts per million (ppm)
3. Ohio EPA Voluntary Action Program (VAP) Generic Direct Contact Standard (GDCS) for Residential Land Use, C
4. Ohio EPA Voluntary Action Program (VAP) Generic Direct Contact Standard (GDCS) for Construction and Excavation
5. BUSTR Action Levels defined in OAC 1301: 7-9-13, as required by OAC 3745-300-08(B)(3), Sand and Gravel, NE: Not Established (No Regulatory Limits Under the VAP Have Been Established for the Specific Compound).

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**Table 6**  
**Summary of SVOCs in Groundwater**  
**Former Leake Oil**  
**448 E. Taggart Road, East Palestine, Ohio**

Sample ID		VAP Standards	US EPA	BUS
Collection Date		UPUS <sup>2</sup>	Commercial VISL <sup>4</sup>	Groundwater Ingestion <sup>6</sup>
Parameter	Units <sup>1</sup>			
<b>Semi-Volatile Organic Compounds - SVOCs</b>				
1,2,4,5-Tetrachlorobenzene	ug/l	1.7	NE	NE
1,2,4-Trichlorobenzene	ug/l	70	432	NE
1,2-Dichlorobenzene	ug/l	600.00	27,500	NE
1,3-Dichlorobenzene	ug/l	NE	NE	NE
1,3-Dinitrobenzene	ug/l	2.00	NE	NE
1,4-Dichlorobenzene	ug/l	75.00	279	NE
1-Methylnaphthalene	ug/l	11.00	NE	NE
1-Naphthylamine	ug/l	NE	NE	NE
2,3,4,6-Tetrachlorophenol	ug/l	240.00	NE	NE
2,4,5-Trichlorophenol	ug/l	1,200.00	NE	NE
2,4,6-Trichlorophenol	ug/l	12.00	NE	NE
2,4-Dichlorophenol	ug/l	46.00	NE	NE
2,4-Dimethylphenol	ug/l	360.00	NE	NE
2,4-Dinitrophenol	ug/l	39.00	NE	NE
2,4-Dinitrotoluene	ug/l	2.40	NE	NE
2,6-Dichlorophenol	ug/l	NE	NE	NE
2,6-Dinitrotoluene	ug/l	0.49	NE	NE
2-Acetylaminofluorene	ug/l	0.16	NE	NE
2-Chloronaphthalene	ug/l	750.00	NE	NE
2-Chlorophenol	ug/l	91.00	NE	NE
2-Methylnaphthalene	ug/l	36.00	NE	NE
2-Methylphenol	ug/l	NE	NE	NE
2-Naphthylamine	ug/l	0.39	NE	NE
2-Nitroaniline	ug/l	NE	NE	NE
2-Nitrophenol	ug/l	NE	NE	NE
2-Picoline	ug/l	NE	NE	NE
3&4-Methylphenol	ug/l	NE	NE	NE
3,3'-Dichlorobenzidine	ug/l	1.30	NE	NE
3-Methylcholanthrene	ug/l	0.04	46	NE
3-Nitroaniline	ug/l	NE	NE	NE
4,6-Dinitro-2-methylphenol	ug/l	NE	NE	NE
4-Aminobiphenyl	ug/l	0.03	NE	NE
4-Bromophenyl phenyl ether	ug/l	NE	NE	NE
4-Chloro-3-methylphenol	ug/l	1,400.00	NE	NE
4-Chloroaniline	ug/l	3.70	NE	NE
4-Chlorophenyl phenyl ether	ug/l	NE	NE	NE
4-Nitroaniline	ug/l	38.00	NE	NE
4-Nitrophenol	ug/l	NE	NE	NE
4-Nitroquinoline 1-oxide	ug/l	NE	NE	NE
5-Nitro-o-toluidine	ug/l	NE	NE	NE

Sample ID		VAP Standards	US EPA	BUS
Collection Date		UPUS <sup>2</sup>	Commercial VISL <sup>4</sup>	Groundwater Ingestion <sup>6</sup>
Parameter	Units <sup>1</sup>			
7,12-Dimethylbenz(a)anthracene	ug/l	0.00	NE	NE
Acenaphthene	ug/l	530.00	NE	NE
Acenaphthylene	ug/l	520.00	NE	NE
Acetophenone	ug/l	1,900.00	NE	NE
Aniline	ug/l	130.00	NE	NE
Anthracene	ug/l	1,800.00	NE	NE
Azobenzene	ug/l	NE	25,000	NE
Benzidine	ug/l	0.00	NE	NE
Benzo(g,h,i)perylene	ug/l	600.00	NE	NE
Benzyl alcohol	ug/l	NE	NE	NE
Bis(2-chloroethoxy)methane	ug/l	59.00	NE	NE
Bis(2-chloroethyl)ether	ug/l	0.14	NE	NE
Bis(2-chloroisopropyl)ether	ug/l	710.00	NE	NE
Bis(2-ethylhexyl)phthalate	ug/l	6.00	NE	NE
Butyl benzyl phthalate	ug/l	160.00	NE	NE
Carbazole	ug/l	20.00	NE	NE
Chrysene	ug/l	250.00	NE	92
Di-n-butyl phthalate	ug/l	900.00	NE	NE
Di-n-octyl phthalate	ug/l	200.00	NE	NE
Dibenzofuran	ug/l	20.00	NE	NE
Diethyl phthalate	ug/l	250.00	NE	NE
Dimethyl phthalate	ug/l	0.00	NE	NE
Dinoseb	ug/l	7.00	NE	NE
Diphenylamine	ug/l	NE	NE	NE
Ethyl methanesulfonate	ug/l	NE	NE	NE

**Table 6**  
**Summary of SVOCs in Groundwater**  
**Former Leake Oil**  
**448 E. Taggart Road, East Palestine, Ohio**

Sample ID		VAP Standards	US EPA	TR <sup>5</sup>
Collection Date		UPUS <sup>2</sup>	Commercial VISL <sup>4</sup>	Groundwater to Indoor Air <sup>7</sup>
Parameter	Units <sup>1</sup>			
<b>Semi-Volatile Organic Compounds - SVOCs</b>				
1,2,4,5-Tetrachlorobenzene	ug/l	1.7	NE	NE
1,2,4-Trichlorobenzene	ug/l	70	432	NE
1,2-Dichlorobenzene	ug/l	600.00	27,500	NE
1,3-Dichlorobenzene	ug/l	NE	NE	NE
1,3-Dinitrobenzene	ug/l	2.00	NE	NE
1,4-Dichlorobenzene	ug/l	75.00	279	NE
1-Methylnaphthalene	ug/l	11.00	NE	NE
1-Naphthylamine	ug/l	NE	NE	NE
2,3,4,6-Tetrachlorophenol	ug/l	240.00	NE	NE
2,4,5-Trichlorophenol	ug/l	1,200.00	NE	NE
2,4,6-Trichlorophenol	ug/l	12.00	NE	NE
2,4-Dichlorophenol	ug/l	46.00	NE	NE
2,4-Dimethylphenol	ug/l	360.00	NE	NE
2,4-Dinitrophenol	ug/l	39.00	NE	NE
2,4-Dinitrotoluene	ug/l	2.40	NE	NE
2,6-Dichlorophenol	ug/l	NE	NE	NE
2,6-Dinitrotoluene	ug/l	0.49	NE	NE
2-Acetylaminofluorene	ug/l	0.16	NE	NE
2-Chloronaphthalene	ug/l	750.00	NE	NE
2-Chlorophenol	ug/l	91.00	NE	NE
2-Methylnaphthalene	ug/l	36.00	NE	NE
2-Methylphenol	ug/l	NE	NE	NE
2-Naphthylamine	ug/l	0.39	NE	NE
2-Nitroaniline	ug/l	NE	NE	NE
2-Nitrophenol	ug/l	NE	NE	NE
2-Picoline	ug/l	NE	NE	NE
3&4-Methylphenol	ug/l	NE	NE	NE
3,3'-Dichlorobenzidine	ug/l	1.30	NE	NE
3-Methylcholanthrene	ug/l	0.04	46	NE
3-Nitroaniline	ug/l	NE	NE	NE
4,6-Dinitro-2-methylphenol	ug/l	NE	NE	NE
4-Aminobiphenyl	ug/l	0.03	NE	NE
4-Bromophenyl phenyl ether	ug/l	NE	NE	NE
4-Chloro-3-methylphenol	ug/l	1,400.00	NE	NE
4-Chloroaniline	ug/l	3.70	NE	NE
4-Chlorophenyl phenyl ether	ug/l	NE	NE	NE
4-Nitroaniline	ug/l	38.00	NE	NE
4-Nitrophenol	ug/l	NE	NE	NE
4-Nitroquinoline 1-oxide	ug/l	NE	NE	NE
5-Nitro-o-toluidine	ug/l	NE	NE	NE



Sample ID		VAP Standards	US EPA	TR <sup>5</sup>
Collection Date		UPUS <sup>2</sup>	Commercial VISL <sup>4</sup>	Groundwater to Indoor Air <sup>7</sup>
Parameter	Units <sup>1</sup>			
7,12-Dimethylbenz(a)anthracene	ug/l	0.00	NE	NE
Acenaphthene	ug/l	530.00	NE	NE
Acenaphthylene	ug/l	520.00	NE	NE
Acetophenone	ug/l	1,900.00	NE	NE
Aniline	ug/l	130.00	NE	NE
Anthracene	ug/l	1,800.00	NE	NE
Azobenzene	ug/l	NE	25,000	NE
Benzidine	ug/l	0.00	NE	NE
Benzo(g,h,i)perylene	ug/l	600.00	NE	NE
Benzyl alcohol	ug/l	NE	NE	NE
Bis(2-chloroethoxy)methane	ug/l	59.00	NE	NE
Bis(2-chloroethyl)ether	ug/l	0.14	NE	NE
Bis(2-chloroisopropyl)ether	ug/l	710.00	NE	NE
Bis(2-ethylhexyl)phthalate	ug/l	6.00	NE	NE
Butyl benzyl phthalate	ug/l	160.00	NE	NE
Carbazole	ug/l	20.00	NE	NE
Chrysene	ug/l	250.00	NE	42,600,000
Di-n-butyl phthalate	ug/l	900.00	NE	NE
Di-n-octyl phthalate	ug/l	200.00	NE	NE
Dibenzofuran	ug/l	20.00	NE	NE
Diethyl phthalate	ug/l	250.00	NE	NE
Dimethyl phthalate	ug/l	0.00	NE	NE
Dinoseb	ug/l	7.00	NE	NE
Diphenylamine	ug/l	NE	NE	NE
Ethyl methanesulfonate	ug/l	NE	NE	NE

Partners Environmental Consulting, Inc.

**Table 6**  
**Summary of SVOCs in Groundwater**  
**Former Leake Oil**  
**448 E. Taggart Road, East Palestine, Ohio**

Sample ID		VAP Standards	US EPA	MW-01
Collection Date		UPUS <sup>2</sup>	Commercial VISL <sup>4</sup>	6/18/2024
Parameter	Units <sup>1</sup>			
<b>Semi-Volatile Organic Compounds - SVOCs</b>				
1,2,4,5-Tetrachlorobenzene	ug/l	1.7	NE	<10.0
1,2,4-Trichlorobenzene	ug/l	70	432	<10.0
1,2-Dichlorobenzene	ug/l	600.00	27,500	<10.0
1,3-Dichlorobenzene	ug/l	NE	NE	<10.0
1,3-Dinitrobenzene	ug/l	2.00	NE	<10.0
1,4-Dichlorobenzene	ug/l	75.00	279	<10.0
1-Methylnaphthalene	ug/l	11.00	NE	<0.200
1-Naphthylamine	ug/l	NE	NE	<10.0
2,3,4,6-Tetrachlorophenol	ug/l	240.00	NE	<10.0
2,4,5-Trichlorophenol	ug/l	1,200.00	NE	<10.0
2,4,6-Trichlorophenol	ug/l	12.00	NE	<10.0
2,4-Dichlorophenol	ug/l	46.00	NE	<10.0
2,4-Dimethylphenol	ug/l	360.00	NE	<10.0
2,4-Dinitrophenol	ug/l	39.00	NE	<10.0
2,4-Dinitrotoluene	ug/l	240	NE	<10.0
2,6-Dichlorophenol	ug/l	NE	NE	<10.0
2,6-Dinitrotoluene	ug/l	0.49	NE	<10.0
2-Acetylaminofluorene	ug/l	0.16	NE	<10.0
2-Chloronaphthalene	ug/l	750.00	NE	<10.0
2-Chlorophenol	ug/l	91.00	NE	<10.0
2-Methylnaphthalene	ug/l	36.00	NE	<0.200
2-Methylphenol	ug/l	NE	NE	<10.0
2-Naphthylamine	ug/l	0.39	NE	<10.0
2-Nitroaniline	ug/l	NE	NE	<10.0
2-Nitrophenol	ug/l	NE	NE	<10.0
2-Picoline	ug/l	NE	NE	<10.0
3&4-Methylphenol	ug/l	NE	NE	<10.0
3,3'-Dichlorobenzidine	ug/l	1.30	NE	<10.0
3-Methylcholanthrene	ug/l	0.04	46	<10.0
3-Nitroaniline	ug/l	NE	NE	<10.0
4,6-Dinitro-2-methylphenol	ug/l	NE	NE	<10.0
4-Aminobiphenyl	ug/l	0.03	NE	<10.0
4-Bromophenyl phenyl ether	ug/l	NE	NE	<10.0
4-Chloro-3-methylphenol	ug/l	1,400.00	NE	<10.0
4-Chloroaniline	ug/l	3.70	NE	<10.0
4-Chlorophenyl phenyl ether	ug/l	NE	NE	<10.0
4-Nitroaniline	ug/l	38.00	NE	<10.0
4-Nitrophenol	ug/l	NE	NE	<10.0
4-Nitroquinoline 1-oxide	ug/l	NE	NE	<10.0
5-Nitro-o-toluidine	ug/l	NE	NE	<10.0

Sample ID		VAP Standards	US EPA	MW-01
Collection Date		UPUS <sup>2</sup>	Commercial VISL <sup>4</sup>	6/18/2024
Parameter	Units <sup>1</sup>			
7,12-Dimethylbenz(a)anthracene	ug/l	0.00	NE	<10.0
Acenaphthene	ug/l	530.00	NE	<0.200
Acenaphthylene	ug/l	520.00	NE	<0.200
Acetophenone	ug/l	1,900.00	NE	<10.0
Aniline	ug/l	130.00	NE	<10.0
Anthracene	ug/l	1,800.00	NE	<0.200
Azobenzene	ug/l	NE	25,000	<10.0
Benzidine	ug/l	0.00	NE	<10.0
Benzo(g,h,i)perylene	ug/l	600.00	NE	<0.200
Benzyl alcohol	ug/l	NE	NE	<10.0
Bis(2-chloroethoxy)methane	ug/l	59.00	NE	<10.0
Bis(2-chloroethyl)ether	ug/l	0.14	NE	<10.0
Bis(2-chloroisopropyl)ether	ug/l	710.00	NE	<10.0
Bis(2-ethylhexyl)phthalate	ug/l	6.00	NE	<10.0
Butyl benzyl phthalate	ug/l	160.00	NE	<10.0
Carbazole	ug/l	20.00	NE	<0.200
Chrysene	ug/l	250.00	NE	<0.200
Di-n-butyl phthalate	ug/l	900.00	NE	<10.0
Di-n-octyl phthalate	ug/l	200.00	NE	<10.0
Dibenzofuran	ug/l	20.00	NE	<0.200
Diethyl phthalate	ug/l	250.00	NE	<10.0
Dimethyl phthalate	ug/l	0.00	NE	<10.0
Dinoseb	ug/l	7.00	NE	<10.0
Diphenylamine	ug/l	NE	NE	<10.0
Ethyl methanesulfonate	ug/l	NE	NE	<10.0

Partners Environmental Consulting, Inc.

**Table 6**  
**Summary of SVOCs in Groundwater**  
**Former Leake Oil**  
**448 E. Taggart Road, East Palestine, Ohio**

Sample ID		VAP Standards	US EPA	MW-02
Collection Date		UPUS <sup>2</sup>	Commercial VISL <sup>4</sup>	N/A
Parameter	Units <sup>1</sup>			
<b>Semi-Volatile Organic Compounds - SVOCs</b>				
1,2,4,5-Tetrachlorobenzene	ug/l	1.7	NE	NT
1,2,4-Trichlorobenzene	ug/l	70	432	NT
1,2-Dichlorobenzene	ug/l	600.00	27,500	NT
1,3-Dichlorobenzene	ug/l	NE	NE	NT
1,3-Dinitrobenzene	ug/l	2.00	NE	NT
1,4-Dichlorobenzene	ug/l	75.00	279	NT
1-Methylnaphthalene	ug/l	11.00	NE	NT
1-Naphthylamine	ug/l	NE	NE	NT
2,3,4,6-Tetrachlorophenol	ug/l	240.00	NE	NT
2,4,5-Trichlorophenol	ug/l	1,200.00	NE	NT
2,4,6-Trichlorophenol	ug/l	12.00	NE	NT
2,4-Dichlorophenol	ug/l	46.00	NE	NT
2,4-Dimethylphenol	ug/l	360.00	NE	NT
2,4-Dinitrophenol	ug/l	39.00	NE	NT
2,4-Dinitrotoluene	ug/l	2.40	NE	NT
2,6-Dichlorophenol	ug/l	NE	NE	NT
2,6-Dinitrotoluene	ug/l	0.49	NE	NT
2-Acetylaminofluorene	ug/l	0.16	NE	NT
2-Chloronaphthalene	ug/l	750.00	NE	NT
2-Chlorophenol	ug/l	91.00	NE	NT
2-Methylnaphthalene	ug/l	36.00	NE	NT
2-Methylphenol	ug/l	NE	NE	NT
2-Naphthylamine	ug/l	0.39	NE	NT
2-Nitroaniline	ug/l	NE	NE	NT
2-Nitrophenol	ug/l	NE	NE	NT
2-Picoline	ug/l	NE	NE	NT
3&4-Methylphenol	ug/l	NE	NE	NT
3,3'-Dichlorobenzidine	ug/l	1.30	NE	NT
3-Methylcholanthrene	ug/l	0.04	46	NT
3-Nitroaniline	ug/l	NE	NE	NT
4,6-Dinitro-2-methylphenol	ug/l	NE	NE	NT
4-Aminobiphenyl	ug/l	0.03	NE	NT
4-Bromophenyl phenyl ether	ug/l	NE	NE	NT
4-Chloro-3-methylphenol	ug/l	1,400.00	NE	NT
4-Chloroaniline	ug/l	3.70	NE	NT
4-Chlorophenyl phenyl ether	ug/l	NE	NE	NT
4-Nitroaniline	ug/l	38.00	NE	NT
4-Nitrophenol	ug/l	NE	NE	NT
4-Nitroquinoline 1-oxide	ug/l	NE	NE	NT
5-Nitro-o-toluidine	ug/l	NE	NE	NT



Sample ID		VAP Standards	US EPA	MW-02
Collection Date		UPUS <sup>2</sup>	Commercial VISL <sup>4</sup>	N/A
Parameter	Units <sup>1</sup>			
7,12-Dimethylbenz(a)anthracene	ug/l	0.00	NE	NT
Acenaphthene	ug/l	530.00	NE	NT
Acenaphthylene	ug/l	520.00	NE	NT
Acetophenone	ug/l	1,900.00	NE	NT
Aniline	ug/l	130.00	NE	NT
Anthracene	ug/l	1,800.00	NE	NT
Azobenzene	ug/l	NE	25,000	NT
Benzidine	ug/l	0.00	NE	NT
Benzo(g,h,i)perylene	ug/l	600.00	NE	NT
Benzyl alcohol	ug/l	NE	NE	NT
Bis(2-chloroethoxy)methane	ug/l	59.00	NE	NT
Bis(2-chloroethyl)ether	ug/l	0.14	NE	NT
Bis(2-chloroisopropyl)ether	ug/l	710.00	NE	NT
Bis(2-ethylhexyl)phthalate	ug/l	6.00	NE	NT
Butyl benzyl phthalate	ug/l	160.00	NE	NT
Carbazole	ug/l	20.00	NE	NT
Chrysene	ug/l	250.00	NE	NT
Di-n-butyl phthalate	ug/l	900.00	NE	NT
Di-n-octyl phthalate	ug/l	200.00	NE	NT
Dibenzofuran	ug/l	20.00	NE	NT
Diethyl phthalate	ug/l	250.00	NE	NT
Dimethyl phthalate	ug/l	0.00	NE	NT
Dinoseb	ug/l	7.00	NE	NT
Diphenylamine	ug/l	NE	NE	NT
Ethyl methanesulfonate	ug/l	NE	NE	NT

Partners Environmental Consulting, Inc.

**Table 6**  
**Summary of SVOCs in Groundwater**  
**Former Leake Oil**  
**448 E. Taggart Road, East Palestine, Ohio**

Sample ID		VAP Standards	US EPA	MW-03
Collection Date		UPUS <sup>2</sup>	Commercial VISL <sup>4</sup>	6/19/2024
Parameter	Units <sup>1</sup>			
<b>Semi-Volatile Organic Compounds - SVOCs</b>				
1,2,4,5-Tetrachlorobenzene	ug/l	1.7	NE	<10.0
1,2,4-Trichlorobenzene	ug/l	70	432	<10.0
1,2-Dichlorobenzene	ug/l	600.00	27,500	<10.0
1,3-Dichlorobenzene	ug/l	NE	NE	<10.0
1,3-Dinitrobenzene	ug/l	2.00	NE	<10.0
1,4-Dichlorobenzene	ug/l	75.00	279	<10.0
1-Methylnaphthalene	ug/l	11.00	NE	<0.200
1-Naphthylamine	ug/l	NE	NE	<10.0
2,3,4,6-Tetrachlorophenol	ug/l	240.00	NE	<10.0
2,4,5-Trichlorophenol	ug/l	1,200.00	NE	<10.0
2,4,6-Trichlorophenol	ug/l	12.00	NE	<10.0
2,4-Dichlorophenol	ug/l	46.00	NE	<10.0
2,4-Dimethylphenol	ug/l	360.00	NE	<10.0
2,4-Dinitrophenol	ug/l	39.00	NE	<10.0
2,4-Dinitrotoluene	ug/l	240	NE	<10.0
2,6-Dichlorophenol	ug/l	NE	NE	<10.0
2,6-Dinitrotoluene	ug/l	0.49	NE	<10.0
2-Acetylaminofluorene	ug/l	0.16	NE	<10.0
2-Chloronaphthalene	ug/l	750.00	NE	<10.0
2-Chlorophenol	ug/l	91.00	NE	<10.0
2-Methylnaphthalene	ug/l	36.00	NE	<0.200
2-Methylphenol	ug/l	NE	NE	<10.0
2-Naphthylamine	ug/l	0.39	NE	<10.0
2-Nitroaniline	ug/l	NE	NE	<10.0
2-Nitrophenol	ug/l	NE	NE	<10.0
2-Picoline	ug/l	NE	NE	<10.0
3&4-Methylphenol	ug/l	NE	NE	<10.0
3,3'-Dichlorobenzidine	ug/l	1.30	NE	<10.0
3-Methylcholanthrene	ug/l	0.04	46	<10.0
3-Nitroaniline	ug/l	NE	NE	<10.0
4,6-Dinitro-2-methylphenol	ug/l	NE	NE	<10.0
4-Aminobiphenyl	ug/l	0.03	NE	<10.0
4-Bromophenyl phenyl ether	ug/l	NE	NE	<10.0
4-Chloro-3-methylphenol	ug/l	1,400.00	NE	<10.0
4-Chloroaniline	ug/l	3.70	NE	<10.0
4-Chlorophenyl phenyl ether	ug/l	NE	NE	<10.0
4-Nitroaniline	ug/l	38.00	NE	<10.0
4-Nitrophenol	ug/l	NE	NE	<10.0
4-Nitroquinoline 1-oxide	ug/l	NE	NE	<10.0
5-Nitro-o-toluidine	ug/l	NE	NE	<10.0

Sample ID		VAP Standards	US EPA	MW-03
Collection Date				6/19/2024
Parameter	Units <sup>1</sup>	UPUS <sup>2</sup>	Commercial VISL <sup>4</sup>	
7,12-Dimethylbenz(a)anthracene	ug/l	0.00	NE	<10.0
Acenaphthene	ug/l	530.00	NE	<0.200
Acenaphthylene	ug/l	520.00	NE	<0.200
Acetophenone	ug/l	1,900.00	NE	<10.0
Aniline	ug/l	130.00	NE	<10.0
Anthracene	ug/l	1,800.00	NE	<0.200
Azobenzene	ug/l	NE	25,000	<10.0
Benzidine	ug/l	0.00	NE	<10.0
Benzo(g,h,i)perylene	ug/l	600.00	NE	<0.200
Benzyl alcohol	ug/l	NE	NE	<10.0
Bis(2-chloroethoxy)methane	ug/l	59.00	NE	<10.0
Bis(2-chloroethyl)ether	ug/l	0.14	NE	<10.0
Bis(2-chloroisopropyl)ether	ug/l	710.00	NE	<10.0
Bis(2-ethylhexyl)phthalate	ug/l	6.00	NE	<10.0
Butyl benzyl phthalate	ug/l	160.00	NE	<10.0
Carbazole	ug/l	20.00	NE	<0.200
Chrysene	ug/l	250.00	NE	<0.200
Di-n-butyl phthalate	ug/l	900.00	NE	<10.0
Di-n-octyl phthalate	ug/l	200.00	NE	<10.0
Dibenzofuran	ug/l	20.00	NE	<0.200
Diethyl phthalate	ug/l	250.00	NE	<10.0
Dimethyl phthalate	ug/l	0.00	NE	<10.0
Dinoseb	ug/l	7.00	NE	<10.0
Diphenylamine	ug/l	NE	NE	<10.0
Ethyl methanesulfonate	ug/l	NE	NE	<10.0

**Table 6**  
**Summary of SVOCs in Groundwater**  
**Former Leake Oil**  
**448 E. Taggart Road, East Palestine, Ohio**

Sample ID		VAP Standards	US EPA	MW-04
Collection Date		UPUS <sup>2</sup>	Commercial VISL <sup>4</sup>	6/19/2024
Parameter	Units <sup>1</sup>			
<b>Semi-Volatile Organic Compounds - SVOCs</b>				
1,2,4,5-Tetrachlorobenzene	ug/l	1.7	NE	<10.0
1,2,4-Trichlorobenzene	ug/l	70	432	<10.0
1,2-Dichlorobenzene	ug/l	600.00	27,500	<10.0
1,3-Dichlorobenzene	ug/l	NE	NE	<10.0
1,3-Dinitrobenzene	ug/l	2.00	NE	<10.0
1,4-Dichlorobenzene	ug/l	75.00	279	<10.0
1-Methylnaphthalene	ug/l	11.00	NE	<0.200
1-Naphthylamine	ug/l	NE	NE	<10.0
2,3,4,6-Tetrachlorophenol	ug/l	240.00	NE	<10.0
2,4,5-Trichlorophenol	ug/l	1,200.00	NE	<10.0
2,4,6-Trichlorophenol	ug/l	12.00	NE	<10.0
2,4-Dichlorophenol	ug/l	46.00	NE	<10.0
2,4-Dimethylphenol	ug/l	360.00	NE	<10.0
2,4-Dinitrophenol	ug/l	39.00	NE	<10.0
2,4-Dinitrotoluene	ug/l	240	NE	<10.0
2,6-Dichlorophenol	ug/l	NE	NE	<10.0
2,6-Dinitrotoluene	ug/l	0.49	NE	<10.0
2-Acetylaminofluorene	ug/l	0.16	NE	<10.0
2-Chloronaphthalene	ug/l	750.00	NE	<10.0
2-Chlorophenol	ug/l	91.00	NE	<10.0
2-Methylnaphthalene	ug/l	36.00	NE	<0.200
2-Methylphenol	ug/l	NE	NE	<10.0
2-Naphthylamine	ug/l	0.39	NE	<10.0
2-Nitroaniline	ug/l	NE	NE	<10.0
2-Nitrophenol	ug/l	NE	NE	<10.0
2-Picoline	ug/l	NE	NE	<10.0
3&4-Methylphenol	ug/l	NE	NE	<10.0
3,3'-Dichlorobenzidine	ug/l	1.30	NE	<10.0
3-Methylcholanthrene	ug/l	0.04	46	<10.0
3-Nitroaniline	ug/l	NE	NE	<10.0
4,6-Dinitro-2-methylphenol	ug/l	NE	NE	<10.0
4-Aminobiphenyl	ug/l	0.03	NE	<10.0
4-Bromophenyl phenyl ether	ug/l	NE	NE	<10.0
4-Chloro-3-methylphenol	ug/l	1,400.00	NE	<10.0
4-Chloroaniline	ug/l	3.70	NE	<10.0
4-Chlorophenyl phenyl ether	ug/l	NE	NE	<10.0
4-Nitroaniline	ug/l	38.00	NE	<10.0
4-Nitrophenol	ug/l	NE	NE	<10.0
4-Nitroquinoline 1-oxide	ug/l	NE	NE	<10.0
5-Nitro-o-toluidine	ug/l	NE	NE	<10.0



Sample ID		VAP Standards	US EPA	MW-04
Collection Date				6/19/2024
Parameter	Units <sup>1</sup>	UPUS <sup>2</sup>	Commercial VISL <sup>4</sup>	
7,12-Dimethylbenz(a)anthracene	ug/l	0.00	NE	<10.0
Acenaphthene	ug/l	530.00	NE	<0.200
Acenaphthylene	ug/l	520.00	NE	<0.200
Acetophenone	ug/l	1,900.00	NE	<10.0
Aniline	ug/l	130.00	NE	<10.0
Anthracene	ug/l	1,800.00	NE	<0.200
Azobenzene	ug/l	NE	25,000	<10.0
Benzidine	ug/l	0.00	NE	<10.0
Benzo(g,h,i)perylene	ug/l	600.00	NE	<0.200
Benzyl alcohol	ug/l	NE	NE	<10.0
Bis(2-chloroethoxy)methane	ug/l	59.00	NE	<10.0
Bis(2-chloroethyl)ether	ug/l	0.14	NE	<10.0
Bis(2-chloroisopropyl)ether	ug/l	710.00	NE	<10.0
Bis(2-ethylhexyl)phthalate	ug/l	6.00	NE	<10.0
Butyl benzyl phthalate	ug/l	160.00	NE	<10.0
Carbazole	ug/l	20.00	NE	<0.200
Chrysene	ug/l	250.00	NE	<0.200
Di-n-butyl phthalate	ug/l	900.00	NE	<10.0
Di-n-octyl phthalate	ug/l	200.00	NE	<10.0
Dibenzofuran	ug/l	20.00	NE	<0.200
Diethyl phthalate	ug/l	250.00	NE	<10.0
Dimethyl phthalate	ug/l	0.00	NE	<10.0
Dinoseb	ug/l	7.00	NE	<10.0
Diphenylamine	ug/l	NE	NE	<10.0
Ethyl methanesulfonate	ug/l	NE	NE	<10.0

**Table 6**  
**Summary of SVOCs in Groundwater**  
**Former Leake Oil**  
**448 E. Taggart Road, East Palestine, Ohio**

Sample ID		VAP Standards	US EPA	MW-05
Collection Date		UPUS <sup>2</sup>	Commercial VISL <sup>4</sup>	6/19/2024
Parameter	Units <sup>1</sup>			
<b>Semi-Volatile Organic Compounds - SVOCs</b>				
1,2,4,5-Tetrachlorobenzene	ug/l	1.7	NE	<9.62
1,2,4-Trichlorobenzene	ug/l	70	432	<9.62
1,2-Dichlorobenzene	ug/l	600.00	27,500	<9.62
1,3-Dichlorobenzene	ug/l	NE	NE	<9.62
1,3-Dinitrobenzene	ug/l	2.00	NE	<9.62
1,4-Dichlorobenzene	ug/l	75.00	279	<9.62
1-Methylnaphthalene	ug/l	11.00	NE	<b>8.48</b>
1-Naphthylamine	ug/l	NE	NE	<9.62
2,3,4,6-Tetrachlorophenol	ug/l	240.00	NE	<9.62
2,4,5-Trichlorophenol	ug/l	1,200.00	NE	<9.62
2,4,6-Trichlorophenol	ug/l	12.00	NE	<9.62
2,4-Dichlorophenol	ug/l	46.00	NE	<9.62
2,4-Dimethylphenol	ug/l	360.00	NE	<9.62
2,4-Dinitrophenol	ug/l	39.00	NE	<9.62
2,4-Dinitrotoluene	ug/l	240	NE	<9.62
2,6-Dichlorophenol	ug/l	NE	NE	<9.62
2,6-Dinitrotoluene	ug/l	0.49	NE	<9.62
2-Acetylaminofluorene	ug/l	0.16	NE	<9.62
2-Chloronaphthalene	ug/l	750.00	NE	<9.62
2-Chlorophenol	ug/l	91.00	NE	<9.62
2-Methylnaphthalene	ug/l	36.00	NE	<b>1.26</b>
2-Methylphenol	ug/l	NE	NE	<9.62
2-Naphthylamine	ug/l	0.39	NE	<9.62
2-Nitroaniline	ug/l	NE	NE	<9.62
2-Nitrophenol	ug/l	NE	NE	<9.62
2-Picoline	ug/l	NE	NE	<9.62
3&4-Methylphenol	ug/l	NE	NE	<9.62
3,3'-Dichlorobenzidine	ug/l	1.30	NE	<9.62
3-Methylcholanthrene	ug/l	0.04	46	<9.62
3-Nitroaniline	ug/l	NE	NE	<9.62
4,6-Dinitro-2-methylphenol	ug/l	NE	NE	<9.62
4-Aminobiphenyl	ug/l	0.03	NE	<9.62
4-Bromophenyl phenyl ether	ug/l	NE	NE	<9.62
4-Chloro-3-methylphenol	ug/l	1,400.00	NE	<9.62
4-Chloroaniline	ug/l	3.70	NE	<9.62
4-Chlorophenyl phenyl ether	ug/l	NE	NE	<9.62
4-Nitroaniline	ug/l	38.00	NE	<9.62
4-Nitrophenol	ug/l	NE	NE	<9.62
4-Nitroquinoline 1-oxide	ug/l	NE	NE	<9.62
5-Nitro-o-toluidine	ug/l	NE	NE	<9.62

Sample ID		VAP Standards	US EPA	MW-05
Collection Date				6/19/2024
Parameter	Units <sup>1</sup>	UPUS <sup>2</sup>	Commercial VISL <sup>4</sup>	
7,12-Dimethylbenz(a)anthracene	ug/l	0.00	NE	<9.62
Acenaphthene	ug/l	530.00	NE	<b>1.98</b>
Acenaphthylene	ug/l	520.00	NE	<0.192
Acetophenone	ug/l	1,900.00	NE	<9.62
Aniline	ug/l	130.00	NE	<9.62
Anthracene	ug/l	1,800.00	NE	<b>0.381</b>
Azobenzene	ug/l	NE	25,000	<9.62
Benzidine	ug/l	0.00	NE	<9.62
Benzo(g,h,i)perylene	ug/l	600.00	NE	<0.192
Benzyl alcohol	ug/l	NE	NE	<9.62
Bis(2-chloroethoxy)methane	ug/l	59.00	NE	<9.62
Bis(2-chloroethyl)ether	ug/l	0.14	NE	<9.62
Bis(2-chloroisopropyl)ether	ug/l	710.00	NE	<9.62
Bis(2-ethylhexyl)phthalate	ug/l	6.00	NE	<9.62
Butyl benzyl phthalate	ug/l	160.00	NE	<9.62
Carbazole	ug/l	20.00	NE	<0.192
Chrysene	ug/l	250.00	NE	<0.192
Di-n-butyl phthalate	ug/l	900.00	NE	<9.62
Di-n-octyl phthalate	ug/l	200.00	NE	<9.62
Dibenzofuran	ug/l	20.00	NE	<b>0.342</b>
Diethyl phthalate	ug/l	250.00	NE	<9.62
Dimethyl phthalate	ug/l	0.00	NE	<9.62
Dinoseb	ug/l	7.00	NE	<9.62
Diphenylamine	ug/l	NE	NE	<9.62
Ethyl methanesulfonate	ug/l	NE	NE	<9.62

Partners Environmental Consulting, Inc.

**Table 6**  
**Summary of SVOCs in Groundwater**  
**Former Leake Oil**  
**448 E. Taggart Road, East Palestine, Ohio**

Sample ID		VAP Standards	US EPA	MW-06
Collection Date		UPUS <sup>2</sup>	Commercial VISL <sup>4</sup>	6/19/2024
Parameter	Units <sup>1</sup>			
<b>Semi-Volatile Organic Compounds - SVOCs</b>				
1,2,4,5-Tetrachlorobenzene	ug/l	1.7	NE	<10.0
1,2,4-Trichlorobenzene	ug/l	70	432	<10.0
1,2-Dichlorobenzene	ug/l	600.00	27,500	<10.0
1,3-Dichlorobenzene	ug/l	NE	NE	<10.0
1,3-Dinitrobenzene	ug/l	2.00	NE	<10.0
1,4-Dichlorobenzene	ug/l	75.00	279	<10.0
1-Methylnaphthalene	ug/l	11.00	NE	<b>25.0</b>
1-Naphthylamine	ug/l	NE	NE	<10.0
2,3,4,6-Tetrachlorophenol	ug/l	240.00	NE	<10.0
2,4,5-Trichlorophenol	ug/l	1,200.00	NE	<10.0
2,4,6-Trichlorophenol	ug/l	12.00	NE	<10.0
2,4-Dichlorophenol	ug/l	46.00	NE	<10.0
2,4-Dimethylphenol	ug/l	360.00	NE	<10.0
2,4-Dinitrophenol	ug/l	39.00	NE	<10.0
2,4-Dinitrotoluene	ug/l	240	NE	<10.0
2,6-Dichlorophenol	ug/l	NE	NE	<10.0
2,6-Dinitrotoluene	ug/l	0.49	NE	<10.0
2-Acetylaminofluorene	ug/l	0.16	NE	<10.0
2-Chloronaphthalene	ug/l	750.00	NE	<10.0
2-Chlorophenol	ug/l	91.00	NE	<10.0
2-Methylnaphthalene	ug/l	36.00	NE	<b>20.5</b>
2-Methylphenol	ug/l	NE	NE	<10.0
2-Naphthylamine	ug/l	0.39	NE	<10.0
2-Nitroaniline	ug/l	NE	NE	<10.0
2-Nitrophenol	ug/l	NE	NE	<10.0
2-Picoline	ug/l	NE	NE	<10.0
3&4-Methylphenol	ug/l	NE	NE	<10.0
3,3'-Dichlorobenzidine	ug/l	1.30	NE	<10.0
3-Methylcholanthrene	ug/l	0.04	46	<10.0
3-Nitroaniline	ug/l	NE	NE	<10.0
4,6-Dinitro-2-methylphenol	ug/l	NE	NE	<10.0
4-Aminobiphenyl	ug/l	0.03	NE	<10.0
4-Bromophenyl phenyl ether	ug/l	NE	NE	<10.0
4-Chloro-3-methylphenol	ug/l	1,400.00	NE	<10.0
4-Chloroaniline	ug/l	3.70	NE	<10.0
4-Chlorophenyl phenyl ether	ug/l	NE	NE	<10.0
4-Nitroaniline	ug/l	38.00	NE	<10.0
4-Nitrophenol	ug/l	NE	NE	<10.0
4-Nitroquinoline 1-oxide	ug/l	NE	NE	<10.0
5-Nitro-o-toluidine	ug/l	NE	NE	<10.0



Sample ID		VAP Standards	US EPA	MW-06
Collection Date				6/19/2024
Parameter	Units <sup>1</sup>	UPUS <sup>2</sup>	Commercial VISL <sup>4</sup>	
7,12-Dimethylbenz(a)anthracene	ug/l	0.00	NE	<10.0
Acenaphthene	ug/l	530.00	NE	<b>0.656</b>
Acenaphthylene	ug/l	520.00	NE	<0.200
Acetophenone	ug/l	1,900.00	NE	<10.0
Aniline	ug/l	130.00	NE	<10.0
Anthracene	ug/l	1,800.00	NE	<0.200
Azobenzene	ug/l	NE	25,000	<10.0
Benzidine	ug/l	0.00	NE	<10.0
Benzo(g,h,i)perylene	ug/l	600.00	NE	<0.200
Benzyl alcohol	ug/l	NE	NE	<10.0
Bis(2-chloroethoxy)methane	ug/l	59.00	NE	<10.0
Bis(2-chloroethyl)ether	ug/l	0.14	NE	<10.0
Bis(2-chloroisopropyl)ether	ug/l	710.00	NE	<10.0
Bis(2-ethylhexyl)phthalate	ug/l	6.00	NE	<10.0
Butyl benzyl phthalate	ug/l	160.00	NE	<10.0
Carbazole	ug/l	20.00	NE	<b>0.644</b>
Chrysene	ug/l	250.00	NE	<0.200
Di-n-butyl phthalate	ug/l	900.00	NE	<10.0
Di-n-octyl phthalate	ug/l	200.00	NE	<10.0
Dibenzofuran	ug/l	20.00	NE	<b>0.372</b>
Diethyl phthalate	ug/l	250.00	NE	<10.0
Dimethyl phthalate	ug/l	0.00	NE	<10.0
Dinoseb	ug/l	7.00	NE	<10.0
Diphenylamine	ug/l	NE	NE	<10.0
Ethyl methanesulfonate	ug/l	NE	NE	<10.0

**Table 6**  
**Summary of SVOCs in Groundwater**  
**Former Leake Oil**  
**448 E. Taggart Road, East Palestine, Ohio**

Sample ID		VAP Standards	US EPA	DUP-01 (MW-06)
Collection Date		UPUS <sup>2</sup>	Commercial VISL <sup>4</sup>	6/19/2024
Parameter	Units <sup>1</sup>			
<b>Semi-Volatile Organic Compounds - SVOCs</b>				
1,2,4,5-Tetrachlorobenzene	ug/l	1.7	NE	<9.62
1,2,4-Trichlorobenzene	ug/l	70	432	<9.62
1,2-Dichlorobenzene	ug/l	600.00	27,500	<9.62
1,3-Dichlorobenzene	ug/l	NE	NE	<9.62
1,3-Dinitrobenzene	ug/l	2.00	NE	<9.62
1,4-Dichlorobenzene	ug/l	75.00	279	<9.62
1-Methylnaphthalene	ug/l	11.00	NE	<b>24.8</b>
1-Naphthylamine	ug/l	NE	NE	<9.62
2,3,4,6-Tetrachlorophenol	ug/l	240.00	NE	<9.62
2,4,5-Trichlorophenol	ug/l	1,200.00	NE	<9.62
2,4,6-Trichlorophenol	ug/l	12.00	NE	<9.62
2,4-Dichlorophenol	ug/l	46.00	NE	<9.62
2,4-Dimethylphenol	ug/l	360.00	NE	<9.62
2,4-Dinitrophenol	ug/l	39.00	NE	<9.62
2,4-Dinitrotoluene	ug/l	240	NE	<9.62
2,6-Dichlorophenol	ug/l	NE	NE	<9.62
2,6-Dinitrotoluene	ug/l	0.49	NE	<9.62
2-Acetylaminofluorene	ug/l	0.16	NE	<9.62
2-Chloronaphthalene	ug/l	750.00	NE	<9.62
2-Chlorophenol	ug/l	91.00	NE	<9.62
2-Methylnaphthalene	ug/l	36.00	NE	<b>20.7</b>
2-Methylphenol	ug/l	NE	NE	<9.62
2-Naphthylamine	ug/l	0.39	NE	<9.62
2-Nitroaniline	ug/l	NE	NE	<9.62
2-Nitrophenol	ug/l	NE	NE	<9.62
2-Picoline	ug/l	NE	NE	<9.62
3&4-Methylphenol	ug/l	NE	NE	<9.62
3,3'-Dichlorobenzidine	ug/l	1.30	NE	<9.62
3-Methylcholanthrene	ug/l	0.04	46	<9.62
3-Nitroaniline	ug/l	NE	NE	<9.62
4,6-Dinitro-2-methylphenol	ug/l	NE	NE	<9.62
4-Aminobiphenyl	ug/l	0.03	NE	<9.62
4-Bromophenyl phenyl ether	ug/l	NE	NE	<9.62
4-Chloro-3-methylphenol	ug/l	1,400.00	NE	<9.62
4-Chloroaniline	ug/l	3.70	NE	<9.62
4-Chlorophenyl phenyl ether	ug/l	NE	NE	<9.62
4-Nitroaniline	ug/l	38.00	NE	<9.62
4-Nitrophenol	ug/l	NE	NE	<9.62
4-Nitroquinoline 1-oxide	ug/l	NE	NE	<9.62
5-Nitro-o-toluidine	ug/l	NE	NE	<9.62

Sample ID		VAP Standards	US EPA	DUP-01 (MW-06)
Collection Date				6/19/2024
Parameter	Units <sup>1</sup>	UPUS <sup>2</sup>	Commercial VISL <sup>4</sup>	
7,12-Dimethylbenz(a)anthracene	ug/l	0.00	NE	<9.62
Acenaphthene	ug/l	530.00	NE	<b>0.615</b>
Acenaphthylene	ug/l	520.00	NE	<0.192
Acetophenone	ug/l	1,900.00	NE	<9.62
Aniline	ug/l	130.00	NE	<9.62
Anthracene	ug/l	1,800.00	NE	<0.192
Azobenzene	ug/l	NE	25,000	<9.62
Benzidine	ug/l	0.00	NE	<9.62
Benzo(g,h,i)perylene	ug/l	600.00	NE	<0.192
Benzyl alcohol	ug/l	NE	NE	<9.62
Bis(2-chloroethoxy)methane	ug/l	59.00	NE	<9.62
Bis(2-chloroethyl)ether	ug/l	0.14	NE	<9.62
Bis(2-chloroisopropyl)ether	ug/l	710.00	NE	<9.62
Bis(2-ethylhexyl)phthalate	ug/l	6.00	NE	<9.62
Butyl benzyl phthalate	ug/l	160.00	NE	<9.62
Carbazole	ug/l	20.00	NE	<b>0.581</b>
Chrysene	ug/l	250.00	NE	<0.192
Di-n-butyl phthalate	ug/l	900.00	NE	<9.62
Di-n-octyl phthalate	ug/l	200.00	NE	<9.62
Dibenzofuran	ug/l	20.00	NE	<b>0.408</b>
Diethyl phthalate	ug/l	250.00	NE	<9.62
Dimethyl phthalate	ug/l	0.00	NE	<9.62
Dinoseb	ug/l	7.00	NE	<9.62
Diphenylamine	ug/l	NE	NE	<9.62
Ethyl methanesulfonate	ug/l	NE	NE	<9.62

**Table 6**  
**Summary of SVOCs in Groundwater**  
**Former Leake Oil**  
**448 E. Taggart Road, East Palestine, Ohio**

Sample ID		VAP Standards	US EPA	MW-07
Collection Date		UPUS <sup>2</sup>	Commercial VISL <sup>4</sup>	6/21/2024
Parameter	Units <sup>1</sup>			
<b>Semi-Volatile Organic Compounds - SVOCs</b>				
1,2,4,5-Tetrachlorobenzene	ug/l	1.7	NE	<10.0
1,2,4-Trichlorobenzene	ug/l	70	432	<10.0
1,2-Dichlorobenzene	ug/l	600.00	27,500	<10.0
1,3-Dichlorobenzene	ug/l	NE	NE	<10.0
1,3-Dinitrobenzene	ug/l	2.00	NE	<10.0
1,4-Dichlorobenzene	ug/l	75.00	279	<10.0
1-Methylnaphthalene	ug/l	11.00	NE	<0.200
1-Naphthylamine	ug/l	NE	NE	<10.0
2,3,4,6-Tetrachlorophenol	ug/l	240.00	NE	<10.0
2,4,5-Trichlorophenol	ug/l	1,200.00	NE	<10.0
2,4,6-Trichlorophenol	ug/l	12.00	NE	<10.0
2,4-Dichlorophenol	ug/l	46.00	NE	<10.0
2,4-Dimethylphenol	ug/l	360.00	NE	<10.0
2,4-Dinitrophenol	ug/l	39.00	NE	<10.0
2,4-Dinitrotoluene	ug/l	240	NE	<10.0
2,6-Dichlorophenol	ug/l	NE	NE	<10.0
2,6-Dinitrotoluene	ug/l	0.49	NE	<10.0
2-Acetylaminofluorene	ug/l	0.16	NE	<10.0
2-Chloronaphthalene	ug/l	750.00	NE	<10.0
2-Chlorophenol	ug/l	91.00	NE	<10.0
2-Methylnaphthalene	ug/l	36.00	NE	<0.200
2-Methylphenol	ug/l	NE	NE	<10.0
2-Naphthylamine	ug/l	0.39	NE	<10.0
2-Nitroaniline	ug/l	NE	NE	<10.0
2-Nitrophenol	ug/l	NE	NE	<10.0
2-Picoline	ug/l	NE	NE	<10.0
3&4-Methylphenol	ug/l	NE	NE	<10.0
3,3'-Dichlorobenzidine	ug/l	1.30	NE	<10.0
3-Methylcholanthrene	ug/l	0.04	46	<10.0
3-Nitroaniline	ug/l	NE	NE	<10.0
4,6-Dinitro-2-methylphenol	ug/l	NE	NE	<10.0
4-Aminobiphenyl	ug/l	0.03	NE	<10.0
4-Bromophenyl phenyl ether	ug/l	NE	NE	<10.0
4-Chloro-3-methylphenol	ug/l	1,400.00	NE	<10.0
4-Chloroaniline	ug/l	3.70	NE	<10.0
4-Chlorophenyl phenyl ether	ug/l	NE	NE	<10.0
4-Nitroaniline	ug/l	38.00	NE	<10.0
4-Nitrophenol	ug/l	NE	NE	<10.0
4-Nitroquinoline 1-oxide	ug/l	NE	NE	<10.0
5-Nitro-o-toluidine	ug/l	NE	NE	<10.0



Sample ID		VAP Standards	US EPA	MW-07
Collection Date				6/21/2024
Parameter	Units <sup>1</sup>	UPUS <sup>2</sup>	Commercial VISL <sup>4</sup>	
7,12-Dimethylbenz(a)anthracene	ug/l	0.00	NE	<10.0
Acenaphthene	ug/l	530.00	NE	<0.200
Acenaphthylene	ug/l	520.00	NE	<0.200
Acetophenone	ug/l	1,900.00	NE	<10.0
Aniline	ug/l	130.00	NE	<10.0
Anthracene	ug/l	1,800.00	NE	<0.200
Azobenzene	ug/l	NE	25,000	<10.0
Benzidine	ug/l	0.00	NE	<10.0
Benzo(g,h,i)perylene	ug/l	600.00	NE	<0.200
Benzyl alcohol	ug/l	NE	NE	<10.0
Bis(2-chloroethoxy)methane	ug/l	59.00	NE	<10.0
Bis(2-chloroethyl)ether	ug/l	0.14	NE	<10.0
Bis(2-chloroisopropyl)ether	ug/l	710.00	NE	<10.0
Bis(2-ethylhexyl)phthalate	ug/l	6.00	NE	<10.0
Butyl benzyl phthalate	ug/l	160.00	NE	<10.0
Carbazole	ug/l	20.00	NE	<0.200
Chrysene	ug/l	250.00	NE	<0.200
Di-n-butyl phthalate	ug/l	900.00	NE	<10.0
Di-n-octyl phthalate	ug/l	200.00	NE	<10.0
Dibenzofuran	ug/l	20.00	NE	<0.200
Diethyl phthalate	ug/l	250.00	NE	<10.0
Dimethyl phthalate	ug/l	0.00	NE	<10.0
Dinoseb	ug/l	7.00	NE	<10.0
Diphenylamine	ug/l	NE	NE	<10.0
Ethyl methanesulfonate	ug/l	NE	NE	<10.0

**Table 6**  
**Summary of SVOCs in Groundwater**  
**Former Leake Oil**  
**448 E. Taggart Road, East Palestine, Ohio**

Sample ID		VAP Standards	US EPA	MW-08
Collection Date		UPUS <sup>2</sup>	Commercial VISL <sup>4</sup>	6/21/2024
Parameter	Units <sup>1</sup>			
<b>Semi-Volatile Organic Compounds - SVOCs</b>				
1,2,4,5-Tetrachlorobenzene	ug/l	1.7	NE	<10.0
1,2,4-Trichlorobenzene	ug/l	70	432	<10.0
1,2-Dichlorobenzene	ug/l	600.00	27,500	<10.0
1,3-Dichlorobenzene	ug/l	NE	NE	<10.0
1,3-Dinitrobenzene	ug/l	2.00	NE	<10.0
1,4-Dichlorobenzene	ug/l	75.00	279	<10.0
1-Methylnaphthalene	ug/l	11.00	NE	<0.200
1-Naphthylamine	ug/l	NE	NE	<10.0
2,3,4,6-Tetrachlorophenol	ug/l	240.00	NE	<10.0
2,4,5-Trichlorophenol	ug/l	1,200.00	NE	<10.0
2,4,6-Trichlorophenol	ug/l	12.00	NE	<10.0
2,4-Dichlorophenol	ug/l	46.00	NE	<10.0
2,4-Dimethylphenol	ug/l	360.00	NE	<10.0
2,4-Dinitrophenol	ug/l	39.00	NE	<10.0
2,4-Dinitrotoluene	ug/l	240	NE	<10.0
2,6-Dichlorophenol	ug/l	NE	NE	<10.0
2,6-Dinitrotoluene	ug/l	0.49	NE	<10.0
2-Acetylaminofluorene	ug/l	0.16	NE	<10.0
2-Chloronaphthalene	ug/l	750.00	NE	<10.0
2-Chlorophenol	ug/l	91.00	NE	<10.0
2-Methylnaphthalene	ug/l	36.00	NE	<0.200
2-Methylphenol	ug/l	NE	NE	<10.0
2-Naphthylamine	ug/l	0.39	NE	<10.0
2-Nitroaniline	ug/l	NE	NE	<10.0
2-Nitrophenol	ug/l	NE	NE	<10.0
2-Picoline	ug/l	NE	NE	<10.0
3&4-Methylphenol	ug/l	NE	NE	<10.0
3,3'-Dichlorobenzidine	ug/l	1.30	NE	<10.0
3-Methylcholanthrene	ug/l	0.04	46	<10.0
3-Nitroaniline	ug/l	NE	NE	<10.0
4,6-Dinitro-2-methylphenol	ug/l	NE	NE	<10.0
4-Aminobiphenyl	ug/l	0.03	NE	<10.0
4-Bromophenyl phenyl ether	ug/l	NE	NE	<10.0
4-Chloro-3-methylphenol	ug/l	1,400.00	NE	<10.0
4-Chloroaniline	ug/l	3.70	NE	<10.0
4-Chlorophenyl phenyl ether	ug/l	NE	NE	<10.0
4-Nitroaniline	ug/l	38.00	NE	<10.0
4-Nitrophenol	ug/l	NE	NE	<10.0
4-Nitroquinoline 1-oxide	ug/l	NE	NE	<10.0
5-Nitro-o-toluidine	ug/l	NE	NE	<10.0

Sample ID		VAP Standards	US EPA	MW-08
Collection Date				6/21/2024
Parameter	Units <sup>1</sup>	UPUS <sup>2</sup>	Commercial VISL <sup>4</sup>	
7,12-Dimethylbenz(a)anthracene	ug/l	0.00	NE	<10.0
Acenaphthene	ug/l	530.00	NE	<0.200
Acenaphthylene	ug/l	520.00	NE	<0.200
Acetophenone	ug/l	1,900.00	NE	<10.0
Aniline	ug/l	130.00	NE	<10.0
Anthracene	ug/l	1,800.00	NE	<0.200
Azobenzene	ug/l	NE	25,000	<10.0
Benzidine	ug/l	0.00	NE	<10.0
Benzo(g,h,i)perylene	ug/l	600.00	NE	<0.200
Benzyl alcohol	ug/l	NE	NE	<10.0
Bis(2-chloroethoxy)methane	ug/l	59.00	NE	<10.0
Bis(2-chloroethyl)ether	ug/l	0.14	NE	<10.0
Bis(2-chloroisopropyl)ether	ug/l	710.00	NE	<10.0
Bis(2-ethylhexyl)phthalate	ug/l	6.00	NE	<10.0
Butyl benzyl phthalate	ug/l	160.00	NE	<10.0
Carbazole	ug/l	20.00	NE	<0.200
Chrysene	ug/l	250.00	NE	<0.200
Di-n-butyl phthalate	ug/l	900.00	NE	<10.0
Di-n-octyl phthalate	ug/l	200.00	NE	<10.0
Dibenzofuran	ug/l	20.00	NE	<0.200
Diethyl phthalate	ug/l	250.00	NE	<10.0
Dimethyl phthalate	ug/l	0.00	NE	<10.0
Dinoseb	ug/l	7.00	NE	<10.0
Diphenylamine	ug/l	NE	NE	<10.0
Ethyl methanesulfonate	ug/l	NE	NE	<10.0

**Table 6**  
**Summary of SVOCs in Groundwater**  
**Former Leake Oil**  
**448 E. Taggart Road, East Palestine, Ohio**

Sample ID		VAP Standards	US EPA	MW-09
Collection Date		UPUS <sup>2</sup>	Commercial VISL <sup>4</sup>	6/21/2024
Parameter	Units <sup>1</sup>			
<b>Semi-Volatile Organic Compounds - SVOCs</b>				
1,2,4,5-Tetrachlorobenzene	ug/l	1.7	NE	<10.0
1,2,4-Trichlorobenzene	ug/l	70	432	<10.0
1,2-Dichlorobenzene	ug/l	600.00	27,500	<10.0
1,3-Dichlorobenzene	ug/l	NE	NE	<10.0
1,3-Dinitrobenzene	ug/l	2.00	NE	<10.0
1,4-Dichlorobenzene	ug/l	75.00	279	<10.0
1-Methylnaphthalene	ug/l	11.00	NE	<0.200
1-Naphthylamine	ug/l	NE	NE	<10.0
2,3,4,6-Tetrachlorophenol	ug/l	240.00	NE	<10.0
2,4,5-Trichlorophenol	ug/l	1,200.00	NE	<10.0
2,4,6-Trichlorophenol	ug/l	12.00	NE	<10.0
2,4-Dichlorophenol	ug/l	46.00	NE	<10.0
2,4-Dimethylphenol	ug/l	360.00	NE	<10.0
2,4-Dinitrophenol	ug/l	39.00	NE	<10.0
2,4-Dinitrotoluene	ug/l	240	NE	<10.0
2,6-Dichlorophenol	ug/l	NE	NE	<10.0
2,6-Dinitrotoluene	ug/l	0.49	NE	<10.0
2-Acetylaminofluorene	ug/l	0.16	NE	<10.0
2-Chloronaphthalene	ug/l	750.00	NE	<10.0
2-Chlorophenol	ug/l	91.00	NE	<10.0
2-Methylnaphthalene	ug/l	36.00	NE	<0.200
2-Methylphenol	ug/l	NE	NE	<10.0
2-Naphthylamine	ug/l	0.39	NE	<10.0
2-Nitroaniline	ug/l	NE	NE	<10.0
2-Nitrophenol	ug/l	NE	NE	<10.0
2-Picoline	ug/l	NE	NE	<10.0
3&4-Methylphenol	ug/l	NE	NE	<10.0
3,3'-Dichlorobenzidine	ug/l	1.30	NE	<10.0
3-Methylcholanthrene	ug/l	0.04	46	<10.0
3-Nitroaniline	ug/l	NE	NE	<10.0
4,6-Dinitro-2-methylphenol	ug/l	NE	NE	<10.0
4-Aminobiphenyl	ug/l	0.03	NE	<10.0
4-Bromophenyl phenyl ether	ug/l	NE	NE	<10.0
4-Chloro-3-methylphenol	ug/l	1,400.00	NE	<10.0
4-Chloroaniline	ug/l	3.70	NE	<10.0
4-Chlorophenyl phenyl ether	ug/l	NE	NE	<10.0
4-Nitroaniline	ug/l	38.00	NE	<10.0
4-Nitrophenol	ug/l	NE	NE	<10.0
4-Nitroquinoline 1-oxide	ug/l	NE	NE	<10.0
5-Nitro-o-toluidine	ug/l	NE	NE	<10.0



Sample ID		VAP Standards	US EPA	MW-09
Collection Date				6/21/2024
Parameter	Units <sup>1</sup>	UPUS <sup>2</sup>	Commercial VISL <sup>4</sup>	
7,12-Dimethylbenz(a)anthracene	ug/l	0.00	NE	<10.0
Acenaphthene	ug/l	530.00	NE	<0.200
Acenaphthylene	ug/l	520.00	NE	<0.200
Acetophenone	ug/l	1,900.00	NE	<10.0
Aniline	ug/l	130.00	NE	<10.0
Anthracene	ug/l	1,800.00	NE	<0.200
Azobenzene	ug/l	NE	25,000	<10.0
Benzidine	ug/l	0.00	NE	<10.0
Benzo(g,h,i)perylene	ug/l	600.00	NE	<0.200
Benzyl alcohol	ug/l	NE	NE	<10.0
Bis(2-chloroethoxy)methane	ug/l	59.00	NE	<10.0
Bis(2-chloroethyl)ether	ug/l	0.14	NE	<10.0
Bis(2-chloroisopropyl)ether	ug/l	710.00	NE	<10.0
Bis(2-ethylhexyl)phthalate	ug/l	6.00	NE	<10.0
Butyl benzyl phthalate	ug/l	160.00	NE	<10.0
Carbazole	ug/l	20.00	NE	<0.200
Chrysene	ug/l	250.00	NE	<0.200
Di-n-butyl phthalate	ug/l	900.00	NE	<10.0
Di-n-octyl phthalate	ug/l	200.00	NE	<10.0
Dibenzofuran	ug/l	20.00	NE	<0.200
Diethyl phthalate	ug/l	250.00	NE	<10.0
Dimethyl phthalate	ug/l	0.00	NE	<10.0
Dinoseb	ug/l	7.00	NE	<10.0
Diphenylamine	ug/l	NE	NE	<10.0
Ethyl methanesulfonate	ug/l	NE	NE	<10.0

**Table 6**  
**Summary of SVOCs in Groundwater**  
**Former Leake Oil**  
**448 E. Taggart Road, East Palestine, Ohio**

Sample ID		VAP Standards	US EPA	MW-10
Collection Date		UPUS <sup>2</sup>	Commercial VISL <sup>4</sup>	N/A
Parameter	Units <sup>1</sup>			
<b>Semi-Volatile Organic Compounds - SVOCs</b>				
1,2,4,5-Tetrachlorobenzene	ug/l	1.7	NE	NT
1,2,4-Trichlorobenzene	ug/l	70	432	NT
1,2-Dichlorobenzene	ug/l	600.00	27,500	NT
1,3-Dichlorobenzene	ug/l	NE	NE	NT
1,3-Dinitrobenzene	ug/l	2.00	NE	NT
1,4-Dichlorobenzene	ug/l	75.00	279	NT
1-Methylnaphthalene	ug/l	11.00	NE	NT
1-Naphthylamine	ug/l	NE	NE	NT
2,3,4,6-Tetrachlorophenol	ug/l	240.00	NE	NT
2,4,5-Trichlorophenol	ug/l	1,200.00	NE	NT
2,4,6-Trichlorophenol	ug/l	12.00	NE	NT
2,4-Dichlorophenol	ug/l	46.00	NE	NT
2,4-Dimethylphenol	ug/l	360.00	NE	NT
2,4-Dinitrophenol	ug/l	39.00	NE	NT
2,4-Dinitrotoluene	ug/l	2.40	NE	NT
2,6-Dichlorophenol	ug/l	NE	NE	NT
2,6-Dinitrotoluene	ug/l	0.49	NE	NT
2-Acetylaminofluorene	ug/l	0.16	NE	NT
2-Chloronaphthalene	ug/l	750.00	NE	NT
2-Chlorophenol	ug/l	91.00	NE	NT
2-Methylnaphthalene	ug/l	36.00	NE	NT
2-Methylphenol	ug/l	NE	NE	NT
2-Naphthylamine	ug/l	0.39	NE	NT
2-Nitroaniline	ug/l	NE	NE	NT
2-Nitrophenol	ug/l	NE	NE	NT
2-Picoline	ug/l	NE	NE	NT
3&4-Methylphenol	ug/l	NE	NE	NT
3,3'-Dichlorobenzidine	ug/l	1.30	NE	NT
3-Methylcholanthrene	ug/l	0.04	46	NT
3-Nitroaniline	ug/l	NE	NE	NT
4,6-Dinitro-2-methylphenol	ug/l	NE	NE	NT
4-Aminobiphenyl	ug/l	0.03	NE	NT
4-Bromophenyl phenyl ether	ug/l	NE	NE	NT
4-Chloro-3-methylphenol	ug/l	1,400.00	NE	NT
4-Chloroaniline	ug/l	3.70	NE	NT
4-Chlorophenyl phenyl ether	ug/l	NE	NE	NT
4-Nitroaniline	ug/l	38.00	NE	NT
4-Nitrophenol	ug/l	NE	NE	NT
4-Nitroquinoline 1-oxide	ug/l	NE	NE	NT
5-Nitro-o-toluidine	ug/l	NE	NE	NT

Sample ID		VAP Standards	US EPA	MW-10
Collection Date				N/A
Parameter	Units <sup>1</sup>	UPUS <sup>2</sup>	Commercial VISL <sup>4</sup>	
7,12-Dimethylbenz(a)anthracene	ug/l	0.00	NE	NT
Acenaphthene	ug/l	530.00	NE	NT
Acenaphthylene	ug/l	520.00	NE	NT
Acetophenone	ug/l	1,900.00	NE	NT
Aniline	ug/l	130.00	NE	NT
Anthracene	ug/l	1,800.00	NE	NT
Azobenzene	ug/l	NE	25,000	NT
Benzidine	ug/l	0.00	NE	NT
Benzo(g,h,i)perylene	ug/l	600.00	NE	NT
Benzyl alcohol	ug/l	NE	NE	NT
Bis(2-chloroethoxy)methane	ug/l	59.00	NE	NT
Bis(2-chloroethyl)ether	ug/l	0.14	NE	NT
Bis(2-chloroisopropyl)ether	ug/l	710.00	NE	NT
Bis(2-ethylhexyl)phthalate	ug/l	6.00	NE	NT
Butyl benzyl phthalate	ug/l	160.00	NE	NT
Carbazole	ug/l	20.00	NE	NT
Chrysene	ug/l	250.00	NE	NT
Di-n-butyl phthalate	ug/l	900.00	NE	NT
Di-n-octyl phthalate	ug/l	200.00	NE	NT
Dibenzofuran	ug/l	20.00	NE	NT
Diethyl phthalate	ug/l	250.00	NE	NT
Dimethyl phthalate	ug/l	0.00	NE	NT
Dinoseb	ug/l	7.00	NE	NT
Diphenylamine	ug/l	NE	NE	NT
Ethyl methanesulfonate	ug/l	NE	NE	NT

**Table 6**  
**Summary of SVOCs in Groundwater**  
**Former Leake Oil**  
**448 E. Taggart Road, East Palestine, Ohio**

Sample ID		VAP Standards	US EPA	MW-11
Collection Date		UPUS <sup>2</sup>	Commercial VISL <sup>4</sup>	6/21/2024
Parameter	Units <sup>1</sup>			
<b>Semi-Volatile Organic Compounds - SVOCs</b>				
1,2,4,5-Tetrachlorobenzene	ug/l	1.7	NE	<10.0
1,2,4-Trichlorobenzene	ug/l	70	432	<10.0
1,2-Dichlorobenzene	ug/l	600.00	27,500	<10.0
1,3-Dichlorobenzene	ug/l	NE	NE	<10.0
1,3-Dinitrobenzene	ug/l	2.00	NE	<10.0
1,4-Dichlorobenzene	ug/l	75.00	279	<10.0
1-Methylnaphthalene	ug/l	11.00	NE	<b>0.224</b>
1-Naphthylamine	ug/l	NE	NE	<10.0
2,3,4,6-Tetrachlorophenol	ug/l	240.00	NE	<10.0
2,4,5-Trichlorophenol	ug/l	1,200.00	NE	<10.0
2,4,6-Trichlorophenol	ug/l	12.00	NE	<10.0
2,4-Dichlorophenol	ug/l	46.00	NE	<10.0
2,4-Dimethylphenol	ug/l	360.00	NE	<10.0
2,4-Dinitrophenol	ug/l	39.00	NE	<10.0
2,4-Dinitrotoluene	ug/l	240	NE	<10.0
2,6-Dichlorophenol	ug/l	NE	NE	<10.0
2,6-Dinitrotoluene	ug/l	0.49	NE	<10.0
2-Acetylaminofluorene	ug/l	0.16	NE	<10.0
2-Chloronaphthalene	ug/l	750.00	NE	<10.0
2-Chlorophenol	ug/l	91.00	NE	<10.0
2-Methylnaphthalene	ug/l	36.00	NE	<b>0.304</b>
2-Methylphenol	ug/l	NE	NE	<10.0
2-Naphthylamine	ug/l	0.39	NE	<10.0
2-Nitroaniline	ug/l	NE	NE	<10.0
2-Nitrophenol	ug/l	NE	NE	<10.0
2-Picoline	ug/l	NE	NE	<10.0
3&4-Methylphenol	ug/l	NE	NE	<10.0
3,3'-Dichlorobenzidine	ug/l	1.30	NE	<10.0
3-Methylcholanthrene	ug/l	0.04	46	<10.0
3-Nitroaniline	ug/l	NE	NE	<10.0
4,6-Dinitro-2-methylphenol	ug/l	NE	NE	<10.0
4-Aminobiphenyl	ug/l	0.03	NE	<10.0
4-Bromophenyl phenyl ether	ug/l	NE	NE	<10.0
4-Chloro-3-methylphenol	ug/l	1,400.00	NE	<10.0
4-Chloroaniline	ug/l	3.70	NE	<10.0
4-Chlorophenyl phenyl ether	ug/l	NE	NE	<10.0
4-Nitroaniline	ug/l	38.00	NE	<10.0
4-Nitrophenol	ug/l	NE	NE	<10.0
4-Nitroquinoline 1-oxide	ug/l	NE	NE	<10.0
5-Nitro-o-toluidine	ug/l	NE	NE	<10.0



Sample ID		VAP Standards	US EPA	MW-11
Collection Date		UPUS <sup>2</sup>	Commercial VISL <sup>4</sup>	6/21/2024
Parameter	Units <sup>1</sup>			
7,12-Dimethylbenz(a)anthracene	ug/l	0.00	NE	<10.0
Acenaphthene	ug/l	530.00	NE	<0.200
Acenaphthylene	ug/l	520.00	NE	<0.200
Acetophenone	ug/l	1,900.00	NE	<10.0
Aniline	ug/l	130.00	NE	<10.0
Anthracene	ug/l	1,800.00	NE	<0.200
Azobenzene	ug/l	NE	25,000	<10.0
Benzidine	ug/l	0.00	NE	<10.0
Benzo(g,h,i)perylene	ug/l	600.00	NE	<0.200
Benzyl alcohol	ug/l	NE	NE	<10.0
Bis(2-chloroethoxy)methane	ug/l	59.00	NE	<10.0
Bis(2-chloroethyl)ether	ug/l	0.14	NE	<10.0
Bis(2-chloroisopropyl)ether	ug/l	710.00	NE	<10.0
Bis(2-ethylhexyl)phthalate	ug/l	6.00	NE	<10.0
Butyl benzyl phthalate	ug/l	160.00	NE	<10.0
Carbazole	ug/l	20.00	NE	<0.200
Chrysene	ug/l	250.00	NE	<0.200
Di-n-butyl phthalate	ug/l	900.00	NE	<10.0
Di-n-octyl phthalate	ug/l	200.00	NE	<10.0
Dibenzofuran	ug/l	20.00	NE	<0.200
Diethyl phthalate	ug/l	250.00	NE	<10.0
Dimethyl phthalate	ug/l	0.00	NE	<10.0
Dinoseb	ug/l	7.00	NE	<10.0
Diphenylamine	ug/l	NE	NE	<10.0
Ethyl methanesulfonate	ug/l	NE	NE	<10.0

Partners Environmental Consulting, Inc.

**Table 6**  
**Summary of SVOCs in Groundwater**  
**Former Leake Oil**  
**448 E. Taggart Road, East Palestine, Ohio**

Sample ID		VAP Standards	US EPA	EQ-24
Collection Date		UPUS <sup>2</sup>	Commercial VISL <sup>4</sup>	6/17/2024
Parameter	Units <sup>1</sup>			
<b>Semi-Volatile Organic Compounds - SVOCs</b>				
1,2,4,5-Tetrachlorobenzene	ug/l	1.7	NE	<10.0
1,2,4-Trichlorobenzene	ug/l	70	432	<10.0
1,2-Dichlorobenzene	ug/l	600.00	27,500	<10.0
1,3-Dichlorobenzene	ug/l	NE	NE	<10.0
1,3-Dinitrobenzene	ug/l	2.00	NE	<10.0
1,4-Dichlorobenzene	ug/l	75.00	279	<10.0
1-Methylnaphthalene	ug/l	11.00	NE	<0.200
1-Naphthylamine	ug/l	NE	NE	<10.0
2,3,4,6-Tetrachlorophenol	ug/l	240.00	NE	<10.0
2,4,5-Trichlorophenol	ug/l	1,200.00	NE	<10.0
2,4,6-Trichlorophenol	ug/l	12.00	NE	<10.0
2,4-Dichlorophenol	ug/l	46.00	NE	<10.0
2,4-Dimethylphenol	ug/l	360.00	NE	<10.0
2,4-Dinitrophenol	ug/l	39.00	NE	<10.0
2,4-Dinitrotoluene	ug/l	240	NE	<10.0
2,6-Dichlorophenol	ug/l	NE	NE	<10.0
2,6-Dinitrotoluene	ug/l	0.49	NE	<10.0
2-Acetylaminofluorene	ug/l	0.16	NE	<10.0
2-Chloronaphthalene	ug/l	750.00	NE	<10.0
2-Chlorophenol	ug/l	91.00	NE	<10.0
2-Methylnaphthalene	ug/l	36.00	NE	<0.200
2-Methylphenol	ug/l	NE	NE	<10.0
2-Naphthylamine	ug/l	0.39	NE	<10.0
2-Nitroaniline	ug/l	NE	NE	<10.0
2-Nitrophenol	ug/l	NE	NE	<10.0
2-Picoline	ug/l	NE	NE	<10.0
3&4-Methylphenol	ug/l	NE	NE	<10.0
3,3'-Dichlorobenzidine	ug/l	1.30	NE	<10.0
3-Methylcholanthrene	ug/l	0.04	46	<10.0
3-Nitroaniline	ug/l	NE	NE	<10.0
4,6-Dinitro-2-methylphenol	ug/l	NE	NE	<10.0
4-Aminobiphenyl	ug/l	0.03	NE	<10.0
4-Bromophenyl phenyl ether	ug/l	NE	NE	<10.0
4-Chloro-3-methylphenol	ug/l	1,400.00	NE	<10.0
4-Chloroaniline	ug/l	3.70	NE	<10.0
4-Chlorophenyl phenyl ether	ug/l	NE	NE	<10.0
4-Nitroaniline	ug/l	38.00	NE	<10.0
4-Nitrophenol	ug/l	NE	NE	<10.0
4-Nitroquinoline 1-oxide	ug/l	NE	NE	<10.0
5-Nitro-o-toluidine	ug/l	NE	NE	<10.0

Sample ID		VAP Standards	US EPA	EQ-24
Collection Date				6/17/2024
Parameter	Units <sup>1</sup>	UPUS <sup>2</sup>	Commercial VISL <sup>4</sup>	
7,12-Dimethylbenz(a)anthracene	ug/l	0.00	NE	<10.0
Acenaphthene	ug/l	530.00	NE	<0.200
Acenaphthylene	ug/l	520.00	NE	<0.200
Acetophenone	ug/l	1,900.00	NE	<10.0
Aniline	ug/l	130.00	NE	<10.0
Anthracene	ug/l	1,800.00	NE	<0.200
Azobenzene	ug/l	NE	25,000	<10.0
Benzidine	ug/l	0.00	NE	<10.0
Benzo(g,h,i)perylene	ug/l	600.00	NE	<0.200
Benzyl alcohol	ug/l	NE	NE	<10.0
Bis(2-chloroethoxy)methane	ug/l	59.00	NE	<10.0
Bis(2-chloroethyl)ether	ug/l	0.14	NE	<10.0
Bis(2-chloroisopropyl)ether	ug/l	710.00	NE	<10.0
Bis(2-ethylhexyl)phthalate	ug/l	6.00	NE	<10.0
Butyl benzyl phthalate	ug/l	160.00	NE	<10.0
Carbazole	ug/l	20.00	NE	<0.200
Chrysene	ug/l	250.00	NE	<0.200
Di-n-butyl phthalate	ug/l	900.00	NE	<10.0
Di-n-octyl phthalate	ug/l	200.00	NE	<10.0
Dibenzofuran	ug/l	20.00	NE	<0.200
Diethyl phthalate	ug/l	250.00	NE	<10.0
Dimethyl phthalate	ug/l	0.00	NE	<10.0
Dinoseb	ug/l	7.00	NE	<10.0
Diphenylamine	ug/l	NE	NE	<10.0
Ethyl methanesulfonate	ug/l	NE	NE	<10.0

Partners Environmental Consulting, Inc.

**Table 6**  
**Summary of SVOCs in Groundwater**  
**Former Leake Oil**  
**448 E. Taggart Road, East Palestine, Ohio**

Sample ID		VAP Standards	US EPA	EQ-25
Collection Date		UPUS <sup>2</sup>	Commercial VISL <sup>4</sup>	6/18/2024
Parameter	Units <sup>1</sup>			
<b>Semi-Volatile Organic Compounds - SVOCs</b>				
1,2,4,5-Tetrachlorobenzene	ug/l	1.7	NE	<10.0
1,2,4-Trichlorobenzene	ug/l	70	432	<10.0
1,2-Dichlorobenzene	ug/l	600.00	27,500	<10.0
1,3-Dichlorobenzene	ug/l	NE	NE	<10.0
1,3-Dinitrobenzene	ug/l	2.00	NE	<10.0
1,4-Dichlorobenzene	ug/l	75.00	279	<10.0
1-Methylnaphthalene	ug/l	11.00	NE	<0.200
1-Naphthylamine	ug/l	NE	NE	<10.0
2,3,4,6-Tetrachlorophenol	ug/l	240.00	NE	<10.0
2,4,5-Trichlorophenol	ug/l	1,200.00	NE	<10.0
2,4,6-Trichlorophenol	ug/l	12.00	NE	<10.0
2,4-Dichlorophenol	ug/l	46.00	NE	<10.0
2,4-Dimethylphenol	ug/l	360.00	NE	<10.0
2,4-Dinitrophenol	ug/l	39.00	NE	<10.0
2,4-Dinitrotoluene	ug/l	240	NE	<10.0
2,6-Dichlorophenol	ug/l	NE	NE	<10.0
2,6-Dinitrotoluene	ug/l	0.49	NE	<10.0
2-Acetylaminofluorene	ug/l	0.16	NE	<10.0
2-Chloronaphthalene	ug/l	750.00	NE	<10.0
2-Chlorophenol	ug/l	91.00	NE	<10.0
2-Methylnaphthalene	ug/l	36.00	NE	<0.200
2-Methylphenol	ug/l	NE	NE	<10.0
2-Naphthylamine	ug/l	0.39	NE	<10.0
2-Nitroaniline	ug/l	NE	NE	<10.0
2-Nitrophenol	ug/l	NE	NE	<10.0
2-Picoline	ug/l	NE	NE	<10.0
3&4-Methylphenol	ug/l	NE	NE	<10.0
3,3'-Dichlorobenzidine	ug/l	1.30	NE	<10.0
3-Methylcholanthrene	ug/l	0.04	46	<10.0
3-Nitroaniline	ug/l	NE	NE	<10.0
4,6-Dinitro-2-methylphenol	ug/l	NE	NE	<10.0
4-Aminobiphenyl	ug/l	0.03	NE	<10.0
4-Bromophenyl phenyl ether	ug/l	NE	NE	<10.0
4-Chloro-3-methylphenol	ug/l	1,400.00	NE	<10.0
4-Chloroaniline	ug/l	3.70	NE	<10.0
4-Chlorophenyl phenyl ether	ug/l	NE	NE	<10.0
4-Nitroaniline	ug/l	38.00	NE	<10.0
4-Nitrophenol	ug/l	NE	NE	<10.0
4-Nitroquinoline 1-oxide	ug/l	NE	NE	<10.0
5-Nitro-o-toluidine	ug/l	NE	NE	<10.0



Sample ID		VAP Standards	US EPA	EQ-25
Collection Date				6/18/2024
Parameter	Units <sup>1</sup>	UPUS <sup>2</sup>	Commercial VISL <sup>4</sup>	
7,12-Dimethylbenz(a)anthracene	ug/l	0.00	NE	<10.0
Acenaphthene	ug/l	530.00	NE	<0.200
Acenaphthylene	ug/l	520.00	NE	<0.200
Acetophenone	ug/l	1,900.00	NE	<10.0
Aniline	ug/l	130.00	NE	<10.0
Anthracene	ug/l	1,800.00	NE	<0.200
Azobenzene	ug/l	NE	25,000	<10.0
Benzidine	ug/l	0.00	NE	<10.0
Benzo(g,h,i)perylene	ug/l	600.00	NE	<0.200
Benzyl alcohol	ug/l	NE	NE	<10.0
Bis(2-chloroethoxy)methane	ug/l	59.00	NE	<10.0
Bis(2-chloroethyl)ether	ug/l	0.14	NE	<10.0
Bis(2-chloroisopropyl)ether	ug/l	710.00	NE	<10.0
Bis(2-ethylhexyl)phthalate	ug/l	6.00	NE	<10.0
Butyl benzyl phthalate	ug/l	160.00	NE	<10.0
Carbazole	ug/l	20.00	NE	<0.200
Chrysene	ug/l	250.00	NE	<0.200
Di-n-butyl phthalate	ug/l	900.00	NE	<10.0
Di-n-octyl phthalate	ug/l	200.00	NE	<10.0
Dibenzofuran	ug/l	20.00	NE	<0.200
Diethyl phthalate	ug/l	250.00	NE	<10.0
Dimethyl phthalate	ug/l	0.00	NE	<10.0
Dinoseb	ug/l	7.00	NE	<10.0
Diphenylamine	ug/l	NE	NE	<10.0
Ethyl methanesulfonate	ug/l	NE	NE	<10.0












Partners Environmental Consulting, Inc.

**APPENDIX A**  
**SOIL BORING AND MONITORING WELL LOGS**

**DRAFT**












PARTNERS ENVIRONMENTAL CONSULTING, INC.		MONITORING WELL LOG				MW-01				
Client: Ohio EPA DERR		Location: Former Leake Oil, E. Palestine		Page 1 of 1						
Date Drilled: 6/5/2024		Total Depth: 16.0 Ft. bgs								
Drilling Method: HSA		Casing Elevation: 99.06 Ft. Relative								
Drilling Company: EnviroCore		Top of Water: 12.0 Ft during drilling/ 6.53 ft. static								
Driller: Cody Griffin		Backfill Material: 2" Monitoring well								
Geologist: Jeremy Kendle										
Depth	Sample Type & Identification	SPT Blows Per 0.5 feet	Recovery (%)	PID/FID Readings	Profile	Geologic Description	USCS Soil Classification	Annular Materials	Profile	Well Materials
0-2'	NA	60%	0.0			Light brown lean clay FILL, trace gravel, dry	CL			
2.0						Black silty sand FILL, medium to coarse sand, trace gravel and slag	SM	Bentonite		2" PVC Riser
2-4'	NA	60%	0.0			Light brown silty sand FILL, trace gravel				
4.0						Gray lean CLAY, moist, soft, trace gravel	CL			
4-6'	NA	65%	0.0			Dark gray SILT, very moist, soft, trace sand	ML			
6.0						Brown lean CLAY, minor sand, very moist, soft				
6-8'	NA	65%	0.0			Gray lean CLAY, moist, soft	CL			
8.0										
8-10'	NA	50%	0.0							
10.0										
10-12'	NA	50%	0.0							
12.0										
12-14'	NA	25%	0.0			Brown GRAVEL, fine gravel with coarse sand, wet	GM			2" PVC Slotted Screen
14.0										
14-16'	NA	25%	0.0							
16.0										
18.0						Soil sampling terminated at 16.0 ft. bgs.				
20.0						Sample intervals selected for laboratory analysis are in <b>bold</b> and shaded.				
22.0						2" Monitoring well installed at 16.0 feet bgs with 10-feet of 0.010 slot screen.				
24.0										

LEGEND

	Clay/Silty Clay		Fine Sand		Decomposed Rock/Bedrock
	Silt/Clayey Silt		Medium Sand		Initial Water Level
	Sandy Clay/Clayey Sand		Coarse Sand		Static Water Level
	Silty Sand		Fill/Backfill		

PARTNERS ENVIRONMENTAL CONSULTING, INC.		MONITORING WELL LOG				MW-02				
Client: Ohio EPA DERR		Location: Former Leake Oil, E. Palestine		Page 1 of 1						
Date Drilled: 6/5/2024		Total Depth: 16.0 Ft. bgs								
Drilling Method: HSA		Casing Elevation: 97.57 Ft. Relative								
Drilling Company: EnviroCore		Top of Water: 12.0 Ft during drilling/ 7.81 ft. static								
Driller: Cody Griffin		Backfill Material: 2" Monitoring well								
Geologist: Jeremy Kendle										
Depth	Sample Type & Identification	SPT Blows Per 0.5 feet	Recovery (%)	PID/FID Readings	Profile	Geologic Description	USCS Soil Classification	Annular Materials	Profile	Well Materials
0-2'	NA	56%	24.3			Black silt, moist, trace gravel, FILL Light brown CLAY, moist	CL	Bentonite		2" PVC Riser
2-4'	NA	56%	8.9							
4-6'	NA	77%	378.9			Grey CLAY, soft, very moist, silty, hydrocarbon odor, trace sand and gravel	CL			
6-8'	NA	77%	572.4							
8-10'	NA	40%	144.5							
10-12'	NA	40%	573.8							
12-14'	NA	50%	22.2			Grey SILTY, moist, medium to coarse, trace gravel, hydrocarbon odor	SM			
14-16'	NA	50%	18.4			SILTY GRAVEL, hydrocarbon odor, wet	GM			
						End of boring				
						Soil sampling terminated at 16.0 ft. bgs.				
						Sample intervals selected for laboratory analysis are in <b>bold</b> and shaded.				
						2" Monitoring well installed at 16.0 feet bgs with 10-feet of 0.010 slot screen.				












LEGEND

	Clay/Silty Clay		Fine Sand		Decomposed Rock/Bedrock
	Silt/Clayey Silt		Medium Sand		Initial Water Level
	Sandy Clay/Clayey Sand		Coarse Sand		Static Water Level
	Silty Sand		Fill/Backfill		



PARTNERS ENVIRONMENTAL CONSULTING, INC.		MONITORING WELL LOG				MW-03				
Client: Ohio EPA DERR		Location: Former Leake Oil, E. Palestine		Page 1 of 1						
Date Drilled: 6/5/2024		Total Depth: 16.0 Ft. bgs								
Drilling Method: HSA		Casing Elevation: 97.92 Ft. Relative								
Drilling Company: EnviroCore		Top of Water: 12.0 Ft during drilling/ 7.70 ft. static								
Driller: Cody Griffin		Backfill Material: 2" Monitoring well								
Geologist: Jeremy Kendle										
Depth	Sample Type & Identification	SPT Blows Per 0.5 feet	Recovery (%)	PID/FID Readings	Profile	Geologic Description	USCS Soil Classification	Annular Materials	Profile	Well Materials
0-2'	NA	44%	2.2			Dark grey clay, much gravel, FILL light brown CLAY, silty, moist, firm	CL	Bentonite		2" PVC Riser
2-4'	NA	44%	0.0							
4-6'	NA	50%	8.2			Olive grey CLAY, very moist, soft, strong hydrocarbon odor	CL			
6-8'	<b>NA</b>	<b>50%</b>	<b>499.2</b>			Black INORGANIC SALTS AND SANDS, clay pockets, much medium to coarse sand, strong hydrocarbon odor/staining	ML			
8-10'	<b>NA</b>	<b>31%</b>	<b>10.8</b>			Brown grey CLAY, trace gravel, firm moist, slight HC odor	CL	Sand Filter Pack		2" PVC Slotted Screen
10-12'	NA	31%	9.7			Wet				
12-14'	NA	65%	2.8			Brown SILT, medium to coarse, trace gravel, wet	SM			
14-16'	NA	65%	1.6							
16.0						End of boring				
18.0						Soil sampling terminated at 16.0 ft. bgs.				
20.0						Sample intervals selected for laboratory analysis are in <b>bold</b> and shaded.				
22.0						2" Monitoring well installed at 16.0 feet bgs with 10-feet of 0.010 slot screen.				
24.0										

LEGEND

	Clay/Silty Clay		Fine Sand		Decomposed Rock/Bedrock
	Silt/Clayey Silt		Medium Sand		Initial Water Level
	Sandy Clay/Clayey Sand		Coarse Sand		Static Water Level
	Silty Sand		Fill/Backfill		

PARTNERS ENVIRONMENTAL CONSULTING, INC.		MONITORING WELL LOG				MW-04							
Client: Ohio EPA DERR		Location: Former Leake Oil, E. Palestine		Page 1 of 1									
Date Drilled: 6/4/2024		Total Depth: 16.0 Ft. bgs											
Drilling Method: DT/HAS		Casing Elevation: 97.78 Ft. Relative											
Drilling Company: EnviroCore		Top of Water: 12.5 Ft during drilling/ 7.53 ft. static											
Driller: Cody Griffin		Backfill Material: 2" Monitoring well											
Geologist: Jeremy Kendle													
Depth	Sample Type & Identification	SPT Blows Per 0.5 feet	Recovery (%)	PID/FID Readings	Profile	Geologic Description	USCS Soil Classification	Annular Materials	Profile	Well Materials			
0-2'	NA	71%	0.0			Brown CLAY, trace gravel, no odors or staining, firm, moist, silty	CL	Bentonite		2" PVC Riser			
2-4'	NA	71%	0.0										
4-6'	NA	71%	0.0										
6-8'	<b>NA</b>	<b>71%</b>	<b>78.9</b>										
8-10'	NA	35%	6.6			Grey CLAY, trace gravel, silty, soft, moist, hydrocarbon odor	CL						
10-12'	<b>NA</b>	<b>35%</b>	<b>4.2</b>			Grey SILT, fine to moist, silty, clay pockets, hydrocarbon odor	SM	Sand Filter Pack					
12-14'	NA	10%	0.0			Grey brown CLAY, moist, firm, trace gravel, wet	CL						
14-16'	NA	10%	NA									2" PVC Slotted Screen	
16.0							End of boring						
18.0							Soil sampling terminated at 16.0 ft. bgs.						
20.0						Sample intervals selected for laboratory analysis are in <b>bold</b> and shaded.							
22.0						2" Monitoring well installed at 16.0 feet bgs with 10-feet of 0.010 slot screen.							
24.0													

LEGEND

	Clay/Silty Clay		Fine Sand		Decomposed Rock/Bedrock
	Silt/Clayey Silt		Medium Sand		Initial Water Level
	Sandy Clay/Clayey Sand		Coarse Sand		Static Water Level
	Silty Sand		Fill/Backfill		












PARTNERS ENVIRONMENTAL CONSULTING, INC.		MONITORING WELL LOG				MW-05				
Client: Ohio EPA DERR		Location: Former Leake Oil, E. Palestine				Page 1 of 1				
Date Drilled: 6/3/2024		Total Depth: 16.0 Ft. bgs								
Drilling Method: DT/HAS		Casing Elevation: 97.85 Ft. Relative								
Drilling Company: EnviroCore		Top of Water: 9.0 Ft during drilling/ 6.38 ft. static								
Driller: Cody Griffin		Backfill Material: 2" Monitoring well								
Geologist: Jeremy Kendle										
Depth	Sample Type & Identification	SPT Blows Per 0.5 feet	Recovery (%)	PID/FID Readings	Profile	Geologic Description	USCS Soil Classification	Annular Materials	Profile	Well Materials
2.0	0-2'	NA	81%	1.7	[Hatched]	Dark brown clay FILL, trace concrete, rubble, gravel	CL	Bentonite	[Hatched]	2" PVC Riser
						Black silty, FILL, medium to coarse, trace gravel	SM			
4.0	2-4'	NA	81%	0.2	[Hatched]	Light brown, CLAY, firm, moist	CL	Bentonite	[Hatched]	2" PVC Riser
						Olive grey CLAY, silty, very moist, soft, hydrocarbon odor	CL			
6.0	4-6'	NA	56%	29.3	[Hatched]	Olive grey INORGANIC SALTS AND SANDS, minor silts, fine to med	ML	Sand Filter Pack	[Hatched]	2" PVC Slotted Screen
						Same as above				
10.0	6-8'	NA	77%	252.5	[Hatched]	Wet, light brown grey SILTY SANDS, minor gravel, no odors or staining	SM	Sand Filter Pack	[Hatched]	2" PVC Slotted Screen
12.0	8-10'	NA	94%	129.0	[Hatched]			Sand Filter Pack	[Hatched]	2" PVC Slotted Screen
14.0	10-12'	NA	94%	7.9	[Hatched]			Sand Filter Pack	[Hatched]	2" PVC Slotted Screen
16.0	12-14'	NA	94%	4.9	[Hatched]	Light grey CLAY, firm, wet, hydrocarbon odor	CL	Sand Filter Pack	[Hatched]	2" PVC Slotted Screen
18.0	14-16'	NA	94%	2.1	[Hatched]	End of boring		Sand Filter Pack	[Hatched]	2" PVC Slotted Screen
20.0	Soil sampling terminated at 16.0 ft. bgs.									
	Sample intervals selected for laboratory analysis are in <b>bold</b> and shaded.									
22.0	2" Monitoring well installed at 16.0 feet bgs with 10-feet of 0.010 slot screen.									
24.0										

LEGEND

- Clay/Silty Clay
- Fine Sand
- Decomposed Rock/Bedrock
- Silt/Clayey Silt
- Medium Sand
- Coarse Sand
- Initial Water Level
- Sandy Clay/Clayey Sand
- Fill/Backfill
- Static Water Level
- Silty Sand

PARTNERS ENVIRONMENTAL CONSULTING, INC.		MONITORING WELL LOG				MW-06				
Client: Ohio EPA DERR		Location: Former Leake Oil, E. Palestine		Page 1 of 1						
Date Drilled: 6/4/2024		Total Depth: 16.0 Ft. bgs								
Drilling Method: DT/HSA		Casing Elevation: 96.89 Ft. Relative								
Drilling Company: EnviroCore		Top of Water: 12.5 Ft during drilling/ 6.64 ft. static								
Driller: Cody Griffin		Backfill Material: 2" Monitoring well								
Geologist: Jeremy Kendle										
Depth	Sample Type & Identification	SPT Blows Per 0.5 feet	Recovery (%)	PID/FID Readings	Profile	Geologic Description	USCS Soil Classification	Annular Materials	Profile	Well Materials
0-2'	NA	21%	0.0			Brown CLAY, trace gravel, firm, dry	CL	Bentonite		2" PVC Riser
2.0						Same as above, hydrocarbon odor				
2-4'	NA	21%	1.6							
4.0						Light grey INORGANIC SILTS AND SANDS, minor sand, fine to medium, very moist, hydrocarbon odor	ML			
4-6'	NA	63%	854.3							
6.0										
6-8'	NA	79%	397.4							
8.0						Brown grey CLAY, firm, moist, trace gravel, hydrocarbon odor	CL	Sand Filter Pack		2" PVC Slotted Screen
						Grey CLAY, hard, moist, trace gravel, hydrocarbon odor	CL			
8-10'	NA	42%	8.4							
10.0										
10-12'	NA	42%	0.3			Same as above, 1" sandstone at 11'				
12.0										
12-14'	NA	92%	2.1			Grey SILT, wet, fine to coarse, trace gravel, rubble	SM			
14.0										
14-16'	NA	92%	0.0			Grey CLAY, firm, wet, trace sand	CL			
16.0										
18.0						End of boring				
20.0						Soil sampling terminated at 16.0 ft. bgs.				
22.0						Sample intervals selected for laboratory analysis are in <b>bold</b> and shaded.				
24.0						2" Monitoring well installed at 16.0 feet bgs with 10-feet of 0.010 slot screen.				












LEGEND

	Clay/Silty Clay		Fine Sand		Decomposed Rock/Bedrock
	Silt/Clayey Silt		Medium Sand		Initial Water Level
	Sandy Clay/Clayey Sand		Coarse Sand		Static Water Level
	Silty Sand		Fill/Backfill		














PARTNERS ENVIRONMENTAL CONSULTING, INC.		MONITORING WELL LOG				MW-07				
Client: Ohio EPA DERR		Location: Former Leake Oil, E. Palestine		Page 1 of 1						
Date Drilled: 6/17/2024		Total Depth: 16.0 Ft. bgs								
Drilling Method: DT/HSA		Casing Elevation: 104.13 Ft. Relative								
Drilling Company: EnviroCore		Top of Water: 8 Ft. During drilling/ 13.44 ft. static (TOC)								
Driller: Cody and Colby		Backfill Material: 2" Monitoring well								
Geologist: BDG										
Depth	Sample Type & Identification	SPT Blows Per 0.5 feet	Recovery (%)	PID/FID Readings	Profile	Geologic Description	USCS Soil Classification	Annular Materials	Profile	Well Materials
0-2'	NA	75%	10.0			4" topsoil Brown sand, FILL, fine, trace coal, no odors or staining	SP	Bentonite		2" PVC Riser
2-4'	NA	75%	0.0			Brown CLAYEY SAND, no odors or staining, moist	SP			
4-6'	NA	90%	0.0			3" sand seam Fine, very moist, no odors or staining	CL	Sand Filter Pack		2" PVC Slotted Screen
6-8'	NA	90%	0.0			Brown SANDY CLAY, medium stiff, no odors or staining	CL			
8-10'	NA	95%	0.0			Grey, soft, SILTY CLAY, no odors or staining Wet at 8'	CL			
10-12'	NA	95%	0.0							
12-14'	NA					End of boring				
14-16'	NA					Same as above				
16.0						Well installed to 16'				
18.0						Sampled at 14:31				
20.0										
22.0										
24.0										

LEGEND

- |   |                        |   |               |   |                         |
|---|------------------------|---|---------------|---|-------------------------|
|  | Clay/Silty Clay        |  | Fine Sand     |  | Decomposed Rock/Bedrock |
|  | Silt/Clayey Silt       |  | Medium Sand   |  | Initial Water Level     |
|  | Sandy Clay/Clayey Sand |  | Coarse Sand   |  | Static Water Level      |
|  | Silty Sand             |  | Fill/Backfill |   |                         |












PARTNERS ENVIRONMENTAL CONSULTING, INC.		MONITORING WELL LOG				MW-08				
Client: Ohio EPA DERR		Location: Former Leake Oil, E. Palestine		Page 1 of 1						
Date Drilled: 6/17/2024		Total Depth: 16.0 Ft. bgs								
Drilling Method: DT/HSA		Casing Elevation: 103.42 Ft. Relative								
Drilling Company: EnviroCore		Top of Water: 7.5 Ft. During drilling/ 12.76 static (TOC)								
Driller: Cody and Colby		Backfill Material: 2" Monitoring well								
Geologist: BDG										
Depth	Sample Type & Identification	SPT Blows Per 0.5 feet	Recovery (%)	PID/FID Readings	Profile	Geologic Description	USCS Soil Classification	Annular Materials	Profile	Well Materials
0-2'	NA	60%	5.6			3" topsoil Brown sand, FILL, trace gravel	SP	Bentonite		
2-4'	NA	60%	26.7			Brown sand, grey CLAY Petroleum odor from 3.5' till 9'	CL			2" PVC Riser
4-6'	NA	75%	534.6			Grey SANDY CLAY, fine, medium stiff				
6-8'	NA	75%	969.9				SC			
8-10'	NA	90%	65.4					Sand Filter Pack		
10-12'	NA	90%	3.1			Same as above				2" PVC Slotted Screen
12-14'	NA					End of boring				
14-16'	NA									
16.0'						Monitoring Well set at 16'				
18.0'						Sampled at 15:10				
20.0'										
22.0'										
24.0'										

LEGEND

	Clay/Silty Clay		Fine Sand		Decomposed Rock/Bedrock
	Silt/Clayey Silt		Medium Sand		Initial Water Level
	Sandy Clay/Clayey Sand		Coarse Sand		Static Water Level
	Silty Sand		Fill/Backfill		












PARTNERS ENVIRONMENTAL CONSULTING, INC.		MONITORING WELL LOG					MW-09			
Client: Ohio EPA DERR		Location: Former Leake Oil, E. Palestine			Page 1 of 1					
Date Drilled: 6/17/2024		Total Depth: 16.0 Ft. bgs								
Drilling Method: DT/HSA		Casing Elevation: 103.51 Ft. Relative								
Drilling Company: EnviroCore		Top of Water: 8 Ft. During drilling / 12.94 static (TOC)								
Driller: Cody and Colby		Backfill Material: 2" Monitoring well								
Geologist: BDG										
Depth	Sample Type & Identification	SPT Blows Per 0.5 feet	Recovery (%)	PID/FID Readings	Profile	Geologic Description	USCS Soil Classification	Annular Materials	Profile	Well Materials
0-2'	NA	50%	0.0			3" topsoil Brown moist sand, FILL, no odors or staining	SP	Bentonite		2" PVC Riser
2-4'	NA	50%	0.0							
4-6'	NA	60%	0.5			Brown sandy CLAY, trace gravel, medium stiff, no odors or staining	CL			
6-8'	NA	60%	205.2							
8-10'	NA	5%	1.8			Grey sandy CLAY, fine, petroleum odor, soft-medium stiff Wet at 8'	CL			
10-12'	NA	0%				Grey, silty CLAY	ML	Sand Filter Pack		2" PVC Slotted Screen
12-14'	NA					End of boring				
14-16'	NA									
16.0'						Monitoring well set at 16'				
18.0'						Sampled at 16:07				
20.0'										
22.0'										
24.0'										

LEGEND

	Clay/Silty Clay		Fine Sand		Decomposed Rock/Bedrock
	Silt/Clayey Silt		Medium Sand		Initial Water Level
	Sandy Clay/Clayey Sand		Coarse Sand		Static Water Level
	Silty Sand		Fill/Backfill		

PARTNERS ENVIRONMENTAL CONSULTING, INC.		MONITORING WELL LOG					MW-10			
Client: Ohio EPA DERR		Location: Former Leake Oil, E. Palestine			Page 1 of 1					
Date Drilled: 6/18/2024		Total Depth: 16.0 Ft. bgs								
Drilling Method: DT/HSA		Casing Elevation: 102.98 Ft. Relative								
Drilling Company: EnviroCore		Top of Water: 9 Ft. During drilling / 12.28 static (TOC)								
Driller: Cody and Colby		Backfill Material: 2" Monitoring well								
Geologist: BDG										
Depth	Sample Type & Identification	SPT Blows Per 0.5 feet	Recovery (%)	PID/FID Readings	Profile	Geologic Description	USCS Soil Classification	Annular Materials	Profile	Well Materials
0-2'	NA	50%	10.7			3" topsoil Brown sand, fine, small gravel, no odors or staining, FILL	SP	Bentonite		2" PVC Riser
2-4'	NA	50%	1.0							
4-6'	NA	75%	0.0			Brown, sandy CLAY, small gravel, trace coal, no odors or staining, moist	CL			
6-8'	NA	75%	1302			Grey silty CLAY, Petroleum odor, wet, soft	CL			
8-10'	NA	80%	1100			SILTY SAND, petroleum odor, staining, sheen Wet at 9'	SM	Sand Filter Pack	▼	2" PVC Slotted Screen
10-12'	NA	80%	37.9			Silty CLAY, grey	ML			
12-14'	NA					End of Boring Same as above				
14-16'	NA									
16.0'						Monitoring well installed at 16'				
18.0'						Sampled at 09:59				
20.0'										
22.0'										
24.0'										












LEGEND

	Clay/Silty Clay		Fine Sand		Decomposed Rock/Bedrock
	Silt/Clayey Silt		Medium Sand		Initial Water Level
	Sandy Clay/Clayey Sand		Coarse Sand		Static Water Level
	Silty Sand		Fill/Backfill		



PARTNERS ENVIRONMENTAL CONSULTING, INC.		MONITORING WELL LOG				MW-11				
Client: Ohio EPA DERR		Location: Former Leake Oil, E. Palestine		Page 1 of 1						
Date Drilled: 6/18/2024		Total Depth: 16.0 Ft. bgs								
Drilling Method: DT/HSA		Casing Elevation: 103.87 Ft. Relative								
Drilling Company: EnviroCore		Top of Water: 9 Ft. During drilling / 12.56 ft. static (TOC)								
Driller: Cody and Colby		Backfill Material: 2" Monitoring well								
Geologist: BDG										
Depth	Sample Type & Identification	SPT Blows Per 0.5 feet	Recovery (%)	PID/FID Readings	Profile	Geologic Description	USCS Soil Classification	Annular Materials	Profile	Well Materials
0-2'	NA	60%	1.1			3" topsoil Brown, sand, FILL, small gravel, no odors or staining	SP	Bentonite		
2-4'	NA	60%	0.7							
4-6'	NA	75%	0.0			Brown, fine sandy CLAY, moist	CL	Sand Filter Pack		2" PVC Riser
6-8'	NA	75%	0.0			Brown, fine, SAND, trace coal	SP			
8-10'	NA	60%	0.8			8' no coal, slight petroleum odor Wet at 9' 9.5' small gravel	SP			Initial Water Level
10-12'	NA	60%	0.1							Static Water Level
12-14'	NA					Grey silty CLAY, soft	ML			
14-16'	NA					Same as above				
16-18'						Same as above				
18-20'						Monitoring well set at 17'				
20-22'						Sampled at 10:32				
22-24'										










LEGEND

	Clay/Silty Clay		Fine Sand		Decomposed Rock/Bedrock
	Silt/Clayey Silt		Medium Sand		Initial Water Level
	Sandy Clay/Clayey Sand		Coarse Sand		Static Water Level
	Silty Sand		Fill/Backfill		

PARTNERS ENVIRONMENTAL CONSULTING, INC.		SOIL BOREHOLE LOG					HA-01
Client: OH EPA		Location: Leake Oil, E. Palestine			1 of 1		
Date Drilled: 6/3/2024		Total Depth: 2'					
Drilling Method: D722		Casing Elevation: Not Applicable					
Drilling Company: Enivrocore		Top of Water: None encountered					
Driller: Cody Griffin		Backfill Material: Bentonite					
Geologist: JRK							
Depth	Sample Type & Identification	SPT Blows Per 0.5 feet	Recovery (%)	PLD/FID Readings	Profile	Geologic Description	USCS Soil Classification
0-2'	NA	50%	245.2			Brown grey clay, FILL, trace gravel, hydrocarbon odor	CL
2.0						End of Boring	
4.0							
6.0							
8.0							
10.0							
12.0							
14.0							
16.0							
18.0							
20.0							
22.0							
24.0							

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








LEGEND

-  Clay/Silty Clay
-  Fine Sand
-  Decomposed Rock/Bedrock
-  Silt/Clayey Silt
-  Medium Sand
-  Sandy Clay/Clayey Sand
-  Coarse Sand
-  Silty Sand
-  Fill/Backfill

PARTNERS ENVIRONMENTAL CONSULTING, INC.		SOIL BOREHOLE LOG					HA-02
Client: OH EPA		Location: Leake Oil, E. Palestine			1 of 1		
Date Drilled: 6/4/2024		Total Depth: 2'					
Drilling Method: D722		Casing Elevation: Not Applicable					
Drilling Company: Enivrocore		Top of Water: None encountered					
Driller: Cody Griffin		Backfill Material: Bentonite					
Geologist: JRK							
Depth	Sample Type & Identification	SPT Blows Per 0.5 feet	Recovery (%)	PLD/FID Readings	Profile	Geologic Description	USCS Soil Classification
0-2'	NA	33%	35.7			Brown clay, FILL, trace gravel, hydrocarbon odor, silty	CL
2.0						End of boring	
4.0							
6.0							
8.0							
10.0							
12.0							
14.0							
16.0							
18.0							
20.0							
22.0							
24.0							

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








LEGEND

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|--|---|---|
|  Clay/Silty Clay        |  Fine Sand     |  Decomposed Rock/Bedrock |
|  Silt/Clayey Silt       |  Medium Sand   |   |
|  Sandy Clay/Clayey Sand |  Coarse Sand   |   |
|  Silty Sand             |  Fill/Backfill |   |

PARTNERS ENVIRONMENTAL CONSULTING, INC.		SOIL BOREHOLE LOG				HA-03	
Client: OH EPA		Location: Leake Oil, E. Palestine			1 of 1		
Date Drilled: 6/5/2024		Total Depth: 2'					
Drilling Method: D722		Casing Elevation: Not Applicable					
Drilling Company: Enivrocore		Top of Water: None encountered					
Driller: Cody Griffin		Backfill Material: Bentonite					
Geologist: JRK							
Depth	Sample Type & Identification	SPT Blows Per 0.5 feet	Recovery (%)	PLD/FID Readings	Profile	Geologic Description	USCS Soil Classification
0-2'	NA	40%	9.7			Brown CLAY, much gravel, sandstone, hydrocarbon odor, trace cinders	CL
2.0						Grey CLAY, soft, moist, trace gravel, hydrocarbon odor	CL
4.0						End of boring	
6.0							
8.0							
10.0							
12.0							
14.0							
16.0							
18.0							
20.0							
22.0							
24.0							

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








LEGEND

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|--|---|---|
|  Clay/Silty Clay        |  Fine Sand     |  Decomposed Rock/Bedrock |
|  Silt/Clayey Silt       |  Medium Sand   |   |
|  Sandy Clay/Clayey Sand |  Coarse Sand   |   |
|  Silty Sand             |  Fill/Backfill |   |

PARTNERS ENVIRONMENTAL CONSULTING, INC.		SOIL BOREHOLE LOG					HA-04
Client:	OH EPA	Location:	Leake Oil, E. Palestine	1 of 1			
Date Drilled:	6/7/2024	Total Depth:	2'				
Drilling Method:	D722	Casing Elevation:	Not Applicable				
Drilling Company:	Enivrocore	Top of Water:	None encountered				
Driller:	Cody Griffin	Backfill Material:	Bentonite				
Geologist:	JRK						
Depth	Sample Type & Identification	SPT Blows Per 0.5 feet	Recovery (%)	PLD/FID Readings	Profile	Geologic Description	USCS Soil Classification
0-2'	NA	31%	340.2			Grey clay, FILL, trace sand and gravel, hydrocarbon odor	CL
2.0						Same as above, olive grey, trace cinders	
4.0						End of boring	
6.0							
8.0							
10.0							
12.0							
14.0							
16.0							
18.0							
20.0							
22.0							
24.0							

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







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|--|---|---|
|  Clay/Silty Clay        |  Fine Sand     |  Decomposed Rock/Bedrock |
|  Silt/Clayey Silt       |  Medium Sand   |   |
|  Sandy Clay/Clayey Sand |  Coarse Sand   |   |
|  Silty Sand             |  Fill/Backfill |   |



PARTNERS ENVIRONMENTAL CONSULTING, INC.		SOIL BOREHOLE LOG					HA-05
Client:	OH EPA	Location:	Leake Oil, E. Palestine	1 of 1			
Date Drilled:	6/7/2024	Total Depth:	2'				
Drilling Method:	D722	Casing Elevation:	Not Applicable				
Drilling Company:	Enivrocore	Top of Water:	None encountered				
Driller:	Cody Griffin	Backfill Material:	Bentonite				
Geologist:	JRK						
Depth	Sample Type & Identification	SPT Blows Per 0.5 feet	Recovery (%)	PID/FID Readings	Profile	Geologic Description	USCS Soil Classification
0-2'	NA	42%	0.0			Brown grey clay FILL, soft, moist, trace gravel and sand	CL
2.0						End of boring	
4.0							
6.0							
8.0							
10.0							
12.0							
14.0							
16.0							
18.0							
20.0							
22.0							
24.0							

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








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|--|---|---|
|  Clay/Silty Clay        |  Fine Sand     |  Decomposed Rock/Bedrock |
|  Silt/Clayey Silt       |  Medium Sand   |   |
|  Sandy Clay/Clayey Sand |  Coarse Sand   |   |
|  Silty Sand             |  Fill/Backfill |   |

PARTNERS ENVIRONMENTAL CONSULTING, INC.		SOIL BOREHOLE LOG					HA-06
Client: OH EPA		Location: Leake Oil, E. Palestine			1 of 1		
Date Drilled: 6/18/2024		Total Depth: 2'					
Drilling Method: HA		Casing Elevation: Not Applicable					
Drilling Company: Enivrocore		Top of Water: None encountered					
Driller: Cody Griffin		Backfill Material: Bentonite					
Geologist: BDG							
Depth	Sample Type & Identification	SPT Blows Per 0.5 feet	Recovery (%)	PLD/FID Readings	Profile	Geologic Description	USCS Soil Classification
0-2'	NA	100%	90.0			2-3" topsoil Fine brown sand FILL, small gravel	SP
2.0						End of boring	
4.0						Sampled at 09:06	
6.0							
8.0							
10.0							
12.0							
14.0							
16.0							
18.0							
20.0							
22.0							
24.0							

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








LEGEND

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|--|---|---|
|  Clay/Silty Clay        |  Fine Sand     |  Decomposed Rock/Bedrock |
|  Silt/Clayey Silt       |  Medium Sand   |   |
|  Sandy Clay/Clayey Sand |  Coarse Sand   |   |
|  Silty Sand             |  Fill/Backfill |   |

PARTNERS ENVIRONMENTAL CONSULTING, INC.		SOIL BOREHOLE LOG					HA-07
Client: OH EPA		Location: Leake Oil, E. Palestine			1 of 1		
Date Drilled: 6/18/2024		Total Depth: 2'					
Drilling Method: HA		Casing Elevation: Not Applicable					
Drilling Company: Enivrocore		Top of Water: None encountered					
Driller: Cody Griffin		Backfill Material: Bentonite					
Geologist: BDG							
Depth	Sample Type & Identification	SPT Blows Per 0.5 feet	Recovery (%)	PLD/FID Readings	Profile	Geologic Description	USCS Soil Classification
0-2'	NA	100%	0.0			Brown, fine, sand, FILL, small gravel	SP
2.0						End of boring	
4.0						Sampled at 10:54	
6.0							
8.0							
10.0							
12.0							
14.0							
16.0							
18.0							
20.0							
22.0							
24.0							

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








LEGEND

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|--|---|---|
|  Clay/Silty Clay        |  Fine Sand     |  Decomposed Rock/Bedrock |
|  Silt/Clayey Silt       |  Medium Sand   |   |
|  Sandy Clay/Clayey Sand |  Coarse Sand   |   |
|  Silty Sand             |  Fill/Backfill |   |

PARTNERS ENVIRONMENTAL CONSULTING, INC.		SOIL BOREHOLE LOG					HA-08
Client: OH EPA		Location: Leake Oil, E. Palestine			1 of 1		
Date Drilled: 6/18/2024		Total Depth: 2'					
Drilling Method: HA		Casing Elevation: Not Applicable					
Drilling Company: Enivrocore		Top of Water: None encountered					
Driller: Cody Griffin		Backfill Material: Bentonite					
Geologist: BDG							
Depth	Sample Type & Identification	SPT Blows Per 0.5 feet	Recovery (%)	PI/D/FID Readings	Profile	Geologic Description	USCS Soil Classification
0-2'	NA	100%	0.1			2.5" topsoil Brown, fine, sand, FILL, small gravel, trace clay, trace coal, no odors or staining	SP
2.0						End of boring	
4.0						Sampled at 11:02	
6.0							
8.0							
10.0							
12.0							
14.0							
16.0							
18.0							
20.0							
22.0							
24.0							

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








LEGEND

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|--|---|---|
|  Clay/Silty Clay        |  Fine Sand     |  Decomposed Rock/Bedrock |
|  Silt/Clayey Silt       |  Medium Sand   |   |
|  Sandy Clay/Clayey Sand |  Coarse Sand   |   |
|  Silty Sand             |  Fill/Backfill |   |

PARTNERS ENVIRONMENTAL CONSULTING, INC.		SOIL BOREHOLE LOG				HA-09	
Client: OH EPA		Location: Leake Oil, E. Palestine		1 of 1			
Date Drilled: 6/18/2024		Total Depth: 2'					
Drilling Method: HA		Casing Elevation: Not Applicable					
Drilling Company: Enivrocore		Top of Water: None encountered					
Driller: Cody Griffin		Backfill Material: Bentonite					
Geologist: BDG							
Depth	Sample Type & Identification	SPT Blows Per 0.5 feet	Recovery (%)	PLD/FID Readings	Profile	Geologic Description	USCS Soil Classification
2.0	0-2	NA	100%	0.1		2.5" topsoil Brown, fine SAND, small gravel, no odors or staining	SP
4.0						End of boring Sampled at 11:38	
6.0							
8.0							
10.0							
12.0							
14.0							
16.0							
18.0							
20.0							
22.0							
24.0							

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








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|--|---|---|
|  Clay/Silty Clay        |  Fine Sand     |  Decomposed Rock/Bedrock |
|  Silt/Clayey Silt       |  Medium Sand   |   |
|  Sandy Clay/Clayey Sand |  Coarse Sand   |   |
|  Silty Sand             |  Fill/Backfill |   |



PARTNERS ENVIRONMENTAL CONSULTING, INC.		SOIL BOREHOLE LOG				HA-10	
Client: OH EPA		Location: Leake Oil, E. Palestine		1 of 1			
Date Drilled: 6/18/2024		Total Depth: 2'					
Drilling Method: DT/Geoprobe		Casing Elevation: Not Applicable					
Drilling Company: Enivrocore		Top of Water: None encountered					
Driller: Cody Griffin		Backfill Material: Bentonite					
Geologist: BDG							
Depth	Sample Type & Identification	SPT Blows Per 0.5 feet	Recovery (%)	PID/FID Readings	Profile	Geologic Description	USCS Soil Classification
0-2	NA	100%	0.6			1" topsoil Brown, fine, sand, FILL, assorted gravel, no odors or staining	SP
2.0						End of boring	
4.0						Sampled at 11:32	
6.0							
8.0							
10.0							
12.0							
14.0							
16.0							
18.0							
20.0							
22.0							
24.0							

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








LEGEND

- |  |   |   |
|--|---|---|
|  Clay/Silty Clay        |  Fine Sand     |  Decomposed Rock/Bedrock |
|  Silt/Clayey Silt       |  Medium Sand   |   |
|  Sandy Clay/Clayey Sand |  Coarse Sand   |   |
|  Silty Sand             |  Fill/Backfill |   |

PARTNERS ENVIRONMENTAL CONSULTING, INC.		SOIL BOREHOLE LOG				HA-11	
Client: OH EPA		Location: Leake Oil, E. Palestine		1 of 1			
Date Drilled: 6/18/2024		Total Depth: 2'					
Drilling Method: DT/Geoprobe		Casing Elevation: Not Applicable					
Drilling Company: Enivrocore		Top of Water: None encountered					
Driller: Cody Griffin		Backfill Material: Bentonite					
Geologist: BDG							
Depth	Sample Type & Identification	SPT Blows Per 0.5 feet	Recovery (%)	PIF/FID Readings	Profile	Geologic Description	USCS Soil Classification
0.0	0-2	NA	75%	4.3		1" topsoil Brown, fine, sand, FILL, assorted gravel, no odors or staining, trace coal	SP
2.0						End of boring	
4.0						Sampled at 11:12	
6.0							
8.0							
10.0							
12.0							
14.0							
16.0							
18.0							
20.0							
22.0							
24.0							

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








LEGEND

- |  |   |   |
|--|---|---|
|  Clay/Silty Clay        |  Fine Sand     |  Decomposed Rock/Bedrock |
|  Silt/Clayey Silt       |  Medium Sand   |   |
|  Sandy Clay/Clayey Sand |  Coarse Sand   |   |
|  Silty Sand             |  Fill/Backfill |   |

PARTNERS ENVIRONMENTAL CONSULTING, INC.		SOIL BOREHOLE LOG					HA-12
Client: OH EPA		Location: Leake Oil, E. Palestine			1 of 1		
Date Drilled: 6/18/2024		Total Depth: 2'					
Drilling Method: HA		Casing Elevation: Not Applicable					
Drilling Company: Enivrocore		Top of Water: None encountered					
Driller: Cody Griffin and Colby		Backfill Material: Bentonite					
Geologist: BDG							
Depth	Sample Type & Identification	SPT Blows Per 0.5 feet	Recovery (%)	PLD/FID Readings	Profile	Geologic Description	USCS Soil Classification
0.0	0-2	NA	100%	0.0		3" topsoil Brown sand, fine, small gravel, FILL	SP
2.0						End of boring	
4.0						Sampled at 08:52	
6.0							
8.0							
10.0							
12.0							
14.0							
16.0							
18.0							
20.0							
22.0							
24.0							

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LEGEND

- |  |   |   |
|--|---|---|
|  Clay/Silty Clay        |  Fine Sand     |  Decomposed Rock/Bedrock |
|  Silt/Clayey Silt       |  Medium Sand   |   |
|  Sandy Clay/Clayey Sand |  Coarse Sand   |   |
|  Silty Sand             |  Fill/Backfill |   |

PARTNERS ENVIRONMENTAL CONSULTING, INC.		SOIL BOREHOLE LOG				HA-13	
Client: OH EPA		Location: Leake Oil, E. Palestine		1 of 1			
Date Drilled: 6/18/2024		Total Depth: 2'					
Drilling Method: DT/Geoprobe		Casing Elevation: Not Applicable					
Drilling Company: Enivrocore		Top of Water: None encountered					
Driller: Cody Griffin		Backfill Material: Bentonite					
Geologist: BDG							
Depth	Sample Type & Identification	SPT Blows Per 0.5 feet	Recovery (%)	PIF/FID Readings	Profile	Geologic Description	USCS Soil Classification
0-2	NA	80%	3.1			1" topsoil Brown, fine, sand, FILL, assorted gravel, trace coal No odors or staining	SP
2.0						End of boring	
4.0						Sampled at 11:25	
6.0							
8.0							
10.0							
12.0							
14.0							
16.0							
18.0							
20.0							
22.0							
24.0							

DRAFT

LEGEND


-  Clay/Silty Clay
-  Fine Sand
-  Decomposed Rock/Bedrock
-  Silt/Clayey Silt
-  Medium Sand
-  Coarse Sand
-  Sandy Clay/Clayey Sand
-  Silty Sand
-  Fill/Backfill

PARTNERS ENVIRONMENTAL CONSULTING, INC.		SOIL BOREHOLE LOG				SB-01	
Client: OH EPA		Location: Leake Oil, E. Palestine			1 of 1		
Date Drilled: 6/5/2024		Total Depth: 20'					
Drilling Method: D722		Casing Elevation: Not Applicable					
Drilling Company: Enivrocore		Top of Water: 19.5 During drilling					
Driller: Cody Griffin		Backfill Material: Bentonite					
Geologist: JRK							
Depth	Sample Type & Identification	SPT Blows Per 0.5 feet	Recovery (%)	PID/FID Readings	Profile	Geologic Description	USCS Soil Classification
0-2'	NA	67%	0.0			Black silty sands FILL, medium to coarse, trace gravel	SM
2.0						Light brown CLAY, dry, hard,	CL
2-4'	NA	67%	1.2			Grey CLAY trace sand, minor gravel, firm, moist	CL
4.0							
4-6'	NA	38%	0.1			Grey CLAY, trace gravel and sand, very moist, slight hydrocarbon odor	CL
6.0							
6-8'	NA	38%	0.0			Grey SILTY SANDS, clay pockets, firm very moist, slight hydrocarbon odor	SM
8.0							
8-10'	NA	65%	0.0			Grey CLAY, soft, very moist, with inter bedded silty sands lenses (net), slight hydrocarbon odor	CL
10.0							
10-12'	NA	65%	0.0				
12.0							
12-14'	NA	83%	0.0			Grey CLAY, moist, soft, no odors or staining	CL
14.0							
14-16'	NA	83%	0.0				
16.0							
16-18'	NA	33%	0.0			Grey SILTY SANDS, fine to medium, dry	SM
18.0							
18-20'	NA	33%	0.0			Brown CLAY, moist, soft, much sand, trace gravel	CL
20.0						Wet	
22.0						End of boring	
24.0						Sample intervals selected for laboratory analysis are in <b>bold</b> and shaded.	

LEGEND

 Clay/Silty Clay


 Silt/Clayey Silt

 Sandy Clay/Clayey Sand


 Silty Sand

 Fine Sand

 Medium Sand

 Coarse Sand










 Fill/Backfill

 Decomposed Rock/Bedrock












PARTNERS ENVIRONMENTAL CONSULTING, INC.		SOIL BOREHOLE LOG				SB-04	
Client: OH EPA		Location: Leake Oil, E. Palestine		1 of 1			
Date Drilled: 6/3/2024		Total Depth: 12'					
Drilling Method: D722		Casing Elevation: Not Applicable					
Drilling Company: Enivrocore		Top of Water: 8.5'					
Driller: Cody Griffin		Backfill Material: Bentonite					
Geologist: JRK							
Depth	Sample Type & Identification	SPT Blows Per 0.5 feet	Recovery (%)	PID/FID Readings	Profile	Geologic Description	USCS Soil Classification
0-2'	NA	65%	0.8			Black silty sands FILL, medium to coarse, trace gravel	SM
2.0						Light brown CLAY, iron oxide staining, trace gravel	CL
2-4'	<b>NA</b>	<b>65%</b>	<b>0.6</b>			Grey CLAY, soft, moist, hydrocarbon odor, silty	CL
4.0							
4-6'	NA	73%	0.4				
6.0						Same as above, minor sand, trace gravel, very moist	CL
6-8'	<b>NA</b>	<b>73%</b>	<b>117.6</b>				
8.0						Wet	
8-10'	NA	100%	3.9			Grey SILTY SAND, fine to medium, silty, wet, hydrocarbon odor	SM
10.0							
10-12'	NA	100%	0.7				
12.0						Light grey CLAY, wet, soft, hydrocarbon odor	CL
14.0						End of boring Offset twice, 10' east (total)	
16.0						Sample intervals selected for laboratory analysis are in <b>bold</b> and shaded.	
18.0							
20.0							
22.0							
24.0							

LEGEND

-  Clay/Silty Clay
-  Fine Sand
-  Decomposed Rock/Bedrock
-  Silt/Clayey Silt
-  Medium Sand
-  Coarse Sand
-  Sandy Clay/Clayey Sand
-  Silty Sand
-  Fill/Backfill

PARTNERS ENVIRONMENTAL CONSULTING, INC.		SOIL BOREHOLE LOG				SB-05	
Client: OH EPA		Location: Leake Oil, E. Palestine			1 of 1		
Date Drilled: 6/5/2024		Total Depth: 16'					
Drilling Method: D722		Casing Elevation: Not Applicable					
Drilling Company: Enivrocore		Top of Water: 13'					
Driller: Cody Griffin		Backfill Material: Bentonite					
Geologist: JRK							
Depth	Sample Type & Identification	SPT Blows Per 0.5 feet	Recovery (%)	PID/FID Readings	Profile	Geologic Description	USCS Soil Classification
0-2'	<b>NA</b>	<b>58%</b>	<b>17.6</b>		[Fill/Backfill]	Light brown clay, much gravel, FILL, dry, hard	CL
						Black silty sands, medium to coarse, FILL, dry	SM
2.0							
2-4'	NA	58%	2.7				
4.0							
4-6'	NA	25%	1.1			Olive grey CLAY, trace gravel, hydrocarbon odor, moist, firm, trace sand	CL
6.0						same as above, much sand, very moist, soft	
6-8'	NA	25%	0.0				
8.0							
8-10'	NA	63%	0.0			Brown grey CLAY, trace gravel, firm, moist, no odors or staining	CL
10.0							
10-12'	<b>NA</b>	<b>63%</b>	<b>0.0</b>				
12.0						Same as above, slight hydrocarbon odor	
12-14'	NA	81%	0.0			Brown SILTY SAND, medium to coarse, minor gravel, wet	SM
14.0							
14-16'	NA	81%	0.0			Brown grey CLAY, much gravel, trace sand, wet, soft	CL
16.0							
18.0						End of boring	
20.0						Sample intervals selected for laboratory analysis are in <b>bold</b> and shaded.	
22.0							
24.0							

LEGEND

	Clay/Silty Clay		Fine Sand		Decomposed Rock/Bedrock
	Silt/Clayey Silt		Medium Sand		
	Sandy Clay/Clayey Sand		Coarse Sand		
	Silty Sand		Fill/Backfill		



PARTNERS ENVIRONMENTAL CONSULTING, INC.

SOIL BOREHOLE LOG

SB-09

Client:	OH EPA	Location:	Leake Oil, E. Palestine	1 of 1
Date Drilled:	6/3/2024	Total Depth:	16'	
Drilling Method:	D722	Casing Elevation:	Not Applicable	
Drilling Company:	Enivrocore	Top of Water:	12.5'	
Driller:	Cody Griffin	Backfill Material:	Bentonite	
Geologist:	JRK			










Depth	Sample Type & Identification	SPT Blows Per 0.5 feet	Recovery (%)	PID/FID Readings	Profile	Geologic Description	USCS Soil Classification
0-2'	NA	46%	0.0			Brown grey clay FILL, trace gravel	CL
2-4'	NA	46%	1.9			Light brwon CLAY, silty, iron oxide staining, soft, moist	CL
4-6'	<b>NA</b>	<b>83%</b>	<b>446.1</b>			Olive grey CLAY, silty, hydrocarbon odor/stinky	CL
6-8'	NA	83%	398.1			Grey SILTY SAND, fine to coarse, hydrocarbon odor, very moist	SM
8-10'	NA	83%	21.4			Olive grey, CL, silty, hydrocarbon odor/stinky	CL
10-12'	<b>NA</b>	<b>83%</b>	<b>4.6</b>			Grey CL, silty, hydrocarbon odor, very moist	CL
12-14'	NA	88%	2.4			Wet Grey SILTY SANDS, fine to coarse, trace gravel, wet, slight hydrocarbon odor	SM
14-16'	NA	88%	2.0			Grey CLAY, trace lignise, gravel, sand, wet hydrocarbon odor	CL
18.0						End of boring	
20.0						Sample intervals selected for laboratory analysis are in <b>bold</b> and shaded.	
22.0							
24.0							

LEGEND

	Clay/Silty Clay		Fine Sand		Decomposed Rock/Bedrock
	Silt/Clayey Silt		Medium Sand		
	Sandy Clay/Clayey Sand		Coarse Sand		
	Silty Sand		Fill/Backfill		










PARTNERS ENVIRONMENTAL CONSULTING, INC.		SOIL BOREHOLE LOG				SB-11	
Client:	OH EPA	Location:	Leake Oil, E. Palestine	1 of 1			
Date Drilled:	6/3/2024	Total Depth:	12'				
Drilling Method:	D722	Casing Elevation:	Not Applicable				
Drilling Company:	Enivrocore	Top of Water:	11.5'				
Driller:	Cody Griffin	Backfill Material:	Bentonite				
Geologist:	JRK						
Depth	Sample Type & Identification	SPT Blows Per 0.5 feet	Recovery (%)	PID/FID Readings	Profile	Geologic Description	USCS Soil Classification
0-2'	NA	40%	0.6			Light brown clay FILL, trace gravel, dry	CL
2-4'	NA	40%	367.2			Brown grey CLAY, moist, trace sand, silty	CL
4-6'	<b>NA</b>	<b>58%</b>	<b>432.9</b>			Olive grey CLAY, soft, very moist, trace gravel and sand, silty, hydrocarbon odor/sheen	CL
6-8'	NA	58%	25.1				
8-10'	<b>NA</b>	<b>50%</b>	<b>8.5</b>				
10-12'	NA	50%	6.1				
12.0						Wet	
14.0						End of Boring Offset 5' East	
16.0						Sample intervals selected for laboratory analysis are in <b>bold</b> and shaded.	
18.0							
20.0							
22.0							
24.0							

LEGEND

-  Clay/Silty Clay
-  Fine Sand
-  Decomposed Rock/Bedrock
-  Silt/Clayey Silt
-  Medium Sand
-  Sandy Clay/Clayey Sand
-  Coarse Sand
-  Silty Sand
-  Fill/Backfill

PARTNERS ENVIRONMENTAL CONSULTING, INC.		SOIL BOREHOLE LOG				SB-13	
Client: OH EPA		Location: Leake Oil, E. Palestine			1 of 1		
Date Drilled: 6/4/2024		Total Depth: 16'					
Drilling Method: D722		Casing Elevation: Not Applicable					
Drilling Company: Enivrocore		Top of Water: 14'					
Driller: Cody Griffin		Backfill Material: Bentonite					
Geologist: JRK							
Depth	Sample Type & Identification	SPT Blows Per 0.5 feet	Recovery (%)	PID/FID Readings	Profile	Geologic Description	USCS Soil Classification
0-2'	NA	21%	34.4			Brown clay FILL, trace gravel	CL
2.0						Grey clay, trace sand and gravel, moist, soft, hydrocarbon odor, FILL	CL
2-4'	NA	21%	NA				
4.0							
4-6'	NA	19%	444.7			Same as above, trace concrete, rubble	
6.0							
6-8'	NA	19%	NA				
8.0							
8-10'	NA	46%	896.2			Same as above, minor gravel, sheen	
10.0							
10-12'	NA	46%	145.2			brown CLAY, trace gravel, hydrocarbon odor, silty	
12.0							
12-14'	NA	100%	15.5			Wet	
14.0							
14-16'	NA	100%	6.4			Grey SILTY SANDS, fine to coarse, trace gravel, slight hydrocarbon odor	
16.0							
18.0						End of boring	
20.0						Sample intervals selected for laboratory analysis are in <b>bold</b> and shaded.	
22.0							
24.0							










LEGEND

	Clay/Silty Clay		Fine Sand		Decomposed Rock/Bedrock
	Silt/Clayey Silt		Medium Sand		
	Sandy Clay/Clayey Sand		Coarse Sand		
	Silty Sand		Fill/Backfill		












PARTNERS ENVIRONMENTAL CONSULTING, INC.		SOIL BOREHOLE LOG				SB-14	
Client: OH EPA		Location: Leake Oil, E. Palestine			1 of 1		
Date Drilled: 6/4/2024		Total Depth: 16'					
Drilling Method: D722		Casing Elevation: Not Applicable					
Drilling Company: Enivrocore		Top of Water: 12.5'					
Driller: Cody Griffin		Backfill Material: Bentonite					
Geologist: JRK							
Depth	Sample Type & Identification	SPT Blows Per 0.5 feet	Recovery (%)	PID/FID Readings	Profile	Geologic Description	USCS Soil Classification
0-2'	NA	75%	0.0		[Vertical Hatching]	Brown CLAY, trace gravel, firm, moist, No odors or staining	CL
2-4'	NA	75%	0.0			Same as Above, soft	
4-6'	NA	88%	2.7				
6-8'	<b>NA</b>	<b>88%</b>	<b>921.6</b>		[Vertical Hatching]	Grey, SILTY SANDS, fine to medium, trace gravel, clay pockets, Hydrocarbon odors and staining	SM
8-10'	NA	67%	414.4			Grey CLAY, inner bedded silty sands (fine to medium), hydrocarbon odor, moist	CL
10-12'	<b>NA</b>	<b>67%</b>	<b>29.8</b>		[Vertical Hatching]	Brown grey CLAY Trace gravel, firm, moist, HydroCarbon odor	CL
12-14'	NA	100%	6.0			Wet Grey SILTY SANDS, medium to coarse, minor gravel, wet, slight hydrocarbon odor	SM
14-16'	NA	100%	4.1				
16.0'						End of boring	
18.0'						Sample intervals selected for laboratory analysis are in <b>bold</b> and shaded.	
20.0'							
22.0'							
24.0'							

LEGEND

-  Clay/Silty Clay
-  Fine Sand
-  Decomposed Rock/Bedrock
-  Silt/Clayey Silt
-  Medium Sand
-  Coarse Sand
-  Sandy Clay/Clayey Sand
-  Fill/Backfill
-  Silty Sand

PARTNERS ENVIRONMENTAL CONSULTING, INC.		SOIL BOREHOLE LOG				SB-15	
Client: OH EPA		Location: Leake Oil, E. Palestine			1 of 1		
Date Drilled: 6/3/2024		Total Depth: 20'					
Drilling Method: DNC		Casing Elevation: Not Applicable					
Drilling Company: Enivrocore		Top of Water: 19'					
Driller: Cody Griffin		Backfill Material: Bentonite					
Geologist: JRK							
Depth	Sample Type & Identification	SPT Blows Per 0.5 feet	Recovery (%)	PID/FID Readings	Profile	Geologic Description	USCS Soil Classification
0-2'	NA	46%	0.0		[Solid Black Profile]	Dark brown silty gravels, trace gravel, FILL, tank cavity	GM
2-4'	NA	46%	0.4				
4-6'	NA	46% 92%	40.0				
6-8'	<b>NA</b>	<b>92%</b>	<b>211.6</b>		[Vertical Line Profile]	Black silty sands FILL, hydrocarbon odor/sheen, wet, (perched) medium to coarse	SM
8-10'	NA	92%	8.0			Olive grey CLAY, hard, moist, trace gravel, hydrocarbon Odor	CL
10-12'	NA	42%	0.8			Grey CLAY, trace gravel, hard, moist	CL
12-14'	NA	50%	0.0		[Vertical Line Profile]	Same as above	
14-16'	NA	50%	0.0			Same as above, firm	
16-18'	<b>NA</b>	<b>69%</b>	<b>0.0</b>				
18-20'	NA	69%	0.0		[Light Grey Profile]	Light brown, SILTY SANDS, fine to medium, wet	SM
End of boring	Sample intervals selected for laboratory analysis are in <b>bold</b> and shaded.						

LEGEND

-  Clay/Silty Clay
-  Fine Sand
-  Decomposed Rock/Bedrock
-  Silt/Clayey Silt
-  Medium Sand
-  Coarse Sand
-  Sandy Clay/Clayey Sand
-  Silty Sand
-  Fill/Backfill



**PARTNERS ENVIRONMENTAL CONSULTING, INC.**

**SOIL BOREHOLE LOG**

**SB-16**

Client:	OH EPA	Location:	Leake Oil, E. Palestine	1 of 1
Date Drilled:	6/3/2024	Total Depth:	16'	
Drilling Method:	D722	Casing Elevation:	Not Applicable	
Drilling Company:	Enivrocore	Top of Water:	13'	
Driller:	Cody Griffin	Backfill Material:	Bentonite	
Geologist:	JRK			

Depth	Sample Type & Identification	SPT Blows Per 0.5 feet	Recovery (%)	PID/FID Readings	Profile	Geologic Description	USCS Soil Classification
2.0	0-2'	NA	71%	12.3		Light brown clay FILL, minor gravel	CL
						Black silty sand FILL, medium to coarse, trace gravel	SM
						grey CLAY, FIILL, minor, STG, H	CL
4.0	2-4'	NA	71%	12.3		Grey brown CLAY, minor sand, trace gravel, hydrocarbon odor	CL
						Grey CLAY, soft, trace sand, hydrocarbon odor	CL
6.0	4-6'	NA	75%	275.6			
8.0	6-8'	NA	75%	362.8			
10.0	8-10'	NA	52%	533.6		Olive grey CLAY, minor gravel/sand, hydrocarbon odor, moist	CL
12.0	10-12'	NA	52%	118.8			
14.0	12-14'	NA	90%	8.5		Same as above, grey	
16.0	14-16'	NA	90%	3.8		Wet 6" sand lense, fine to coarse, at 13.5'	
18.0						End of boring Offset 8' east to get out of excavation	
20.0						Sample intervals selected for laboratory analysis are in <b>bold</b> and shaded.	
22.0							
24.0							

**LEGEND**

Clay/Silty Clay

Silt/Clayey Silt

Sandy Clay/Clayey Sand

Silty Sand

Fine Sand

Medium Sand

Coarse Sand

Fill/Backfill


Decomposed Rock/Bedrock

PARTNERS ENVIRONMENTAL CONSULTING, INC.		SOIL BOREHOLE LOG				SB-17	
Client: OH EPA		Location: Leake Oil, E. Palestine			1 of 1		
Date Drilled: 6/4/2024		Total Depth: 16'					
Drilling Method: D722		Casing Elevation: Not Applicable					
Drilling Company: Enivrocore		Top of Water: 11.5'					
Driller: Cody Griffin		Backfill Material: Bentonite					
Geologist: JRK							
Depth	Sample Type & Identification	SPT Blows Per 0.5 feet	Recovery (%)	PID/FID Readings	Profile	Geologic Description	USCS Soil Classification
0-2'	NA	58%	2.1			Dark brown CLAY, FILL, much gravel	CL
2.0						Black silty sands FILL, medium to coarse, trace gravel	SM
2-4'	NA	58%	0.9			Grey CLAY, very moist, soft, hydrocarbon odor, trace gravel	
4.0							
4-6'	NA	50%	4.9			Grey CLAY, very moist, soft, hydrocarbon odor, trace gravel	CL
6.0							
6-8'	<b>NA</b>	<b>50%</b>	<b>247.8</b>				
8.0							
8-10'	<b>NA</b>	<b>27%</b>	<b>428.7</b>			Olive grey INORGANIC SILTS AND SANDS, much sands and gravel, hydrocarbon odor, staining, very moist	ML
10.0							
10-12'	NA	27%	199.0				
12.0						Wet	
12-14'	NA	44%	11.3			Grey SILTY SANDS, medeium to coarse, trace lignite/gravel, slight hydrocarbon odor	SM
14.0							
14-16'	NA	44%	5.9				
16.0						Grey INORGANIC SILTS AND SANDS, much sand, wet	ML
18.0						End of boring	
20.0						Sample intervals selected for laboratory analysis are in <b>bold</b> and shaded.	
22.0							
24.0							

LEGEND

 Clay/Silty Clay

 Fine Sand

 Decomposed Rock/Bedrock

 Silt/Clayey Silt

 Medium Sand

 Sandy Clay/Clayey Sand

 Coarse Sand

 Silty Sand

 Fill/Backfill

Client: OH EPA	Location: Leake Oil, E. Palestine	1 of 1
Date Drilled: 6/5/2024	Total Depth: 20'	
Drilling Method: D722	Casing Elevation: Not Applicable	
Drilling Company: Enivrocore	Top of Water: NE	
Driller: Cody Griffin	Backfill Material: Bentonite	
Geologist: JRK		

Depth	Sample Type & Identification	SPT Blows Per 0.5 feet	Recovery (%)	PID/FID Readings	Profile	Geologic Description	USCS Soil Classification
2.0	<b>0-2'</b>	<b>NA</b>	<b>69%</b>	<b>1.3</b>		Black clay FILL, trace gravel/sand, dry,hard	CL
						Black silty sands FILL, trace gravel/slag	SM
4.0	<b>2-4'</b>	<b>NA</b>	<b>69%</b>	<b>0.0</b>		Light brown CLAY, minor gravel, trace sand, firm, moist	CL
6.0	4-6'	NA	88%	0.0			
8.0	6-8'	NA	88%	0.0		Red brown CLAY, much sand, trace gravel	CL
10.0	8-10'	NA	88%	0.0		Brown CLAY, trace gravel/sand, hard, moist	CL
12.0	10-12'	NA	88%	0.0			
14.0	12-14'	NA	79%	0.0			
16.0	14-16'	NA	79%	0.0			
18.0	16-18'	NA	63%	0.0		Light brown SILTY SANDS, fine to meduim, trace gravel, moist	SM
20.0	18-20'	NA	63%	0.0			
22.0						End of boring	
24.0					Sample intervals selected for laboratory analysis are in <b>bold</b> and shaded.		

DRAFT

LEGEND

 Clay/Silty Clay	 Fine Sand	 Decomposed Rock/Bedrock
 Silt/Clayey Silt	 Medium Sand	
 Sandy Clay/Clayey Sand	 Coarse Sand	
 Silty Sand	 Fill/Backfill	












PARTNERS ENVIRONMENTAL CONSULTING, INC.		SOIL BOREHOLE LOG				SB-19	
Client: OH EPA		Location: Leake Oil, E. Palestine			1 of 1		
Date Drilled: 6/5/2024		Total Depth: 16'					
Drilling Method: D722		Casing Elevation: Not Applicable					
Drilling Company: Enivrocore		Top of Water: 7.5'					
Driller: Cody Griffin		Backfill Material: Bentonite					
Geologist: JRK							
Depth	Sample Type & Identification	SPT Blows Per 0.5 feet	Recovery (%)	PID/FID Readings	Profile	Geologic Description	USCS Soil Classification
0-2'	NA	67%	0.0			Black silty sands, FILL, medium to coarse, trace gravel, moist	SM
2.0						Light brown CLAY, hard, moist, trace gravel and sand	CL
2-4'	NA	67%	0.0				
4.0						Grey INORGANIC SILTS AND SANDS/CLAY, trace gravel/sand, moist, soft	ML/CL
4-6'	NA	63%	0.0			Grey INORGANIC SILTS AND SANDS/CLAY, very moist, soft, no odors or staining	ML/CL
6.0							
6-8'	NA	63%	0.0			Grey SILTY SAND, very moist, fine to medium, no odors or staining	SM
8.0						Light brown CLAYEY SAND, trace gravel, wet	CL
8-10'	NA	69%	0.0				
10.0							
10-12'	NA	69%	0.0				
12.0							
12-14'	NA	35%	0.0			Same as above, gray	
14.0							
14-16'	NA	35%	0.0				
16.0							
18.0						End of boring	
20.0						Sample intervals selected for laboratory analysis are in <b>bold</b> and shaded.	
22.0							
24.0							

LEGEND

- Clay/Silty Clay
- Fine Sand
- Decomposed Rock/Bedrock
- Silt/Clayey Silt
- Medium Sand
- Coarse Sand
- Sandy Clay/Clayey Sand
- Silty Sand
- Fill/Backfill

PARTNERS ENVIRONMENTAL CONSULTING, INC.		SOIL BOREHOLE LOG				SB-23	
Client: OH EPA		Location: Leake Oil, E. Palestine		1 of 1			
Date Drilled: 6/5/2024		Total Depth: 12'					
Drilling Method: D722		Casing Elevation: Not Applicable					
Drilling Company: Enivrocore		Top of Water: 9.5'					
Driller: Cody Griffin		Backfill Material: Bentonite					
Geologist: JRK							
Depth	Sample Type & Identification	SPT Blows Per 0.5 feet	Recovery (%)	PID/FID Readings	Profile	Geologic Description	USCS Soil Classification
0-2'	NA	48%	0.0			Light brown CLAY, dry, hard, much gravel	
2.0						Grey CLAY, soft, SILTY SANDS, trace gravel/sand, no odor or small	CL/SM
2-4'	NA	48%	0.0			Same as above, brown grey, firm	CL/SM
4.0							
4-6'	<b>NA</b>	<b>23%</b>	<b>452.6</b>			HydroCarbon staining/odor	
6.0							
6-8'	NA	23%	NA				
8.0							
8-10'	<b>NA</b>	<b>100%</b>	<b>2.0</b>			brown CLAY, hard, moist, trace gravel/sand, no odors or staining	CL
10.0							
10-12'	NA	100%	1.9			Grey SILTY SANDS/INORGANIC SILTS AND SANDS, medium to coarse sand, trace gravel, wet	SM/ML
12.0						grey brown CLAY, minor sand/gravel, wet, no odor or staining	CL
14.0						End of boring	
16.0						Sample intervals selected for laboratory analysis are in <b>bold</b> and shaded.	
18.0							
20.0							
22.0							
24.0							

LEGEND

	Clay/Silty Clay		Fine Sand		Decomposed Rock/Bedrock
	Silt/Clayey Silt		Medium Sand		
	Sandy Clay/Clayey Sand		Coarse Sand		
	Silty Sand		Fill/Backfill		



**PARTNERS ENVIRONMENTAL CONSULTING, INC.**

**SOIL BOREHOLE LOG**

**SB-24**

Client: OH EPA	Location: Leake Oil, E. Palestine	1 of 1
Date Drilled: 6/5/2024	Total Depth: 12'	
Drilling Method: D722	Casing Elevation: Not Applicable	
Drilling Company: Enivrocore	Top of Water: 8.5'	
Driller: Cody Griffin	Backfill Material: Bentonite	
Geologist: JRK		










Depth	Sample Type & Identification	SPT Blows Per 0.5 feet	Recovery (%)	PID/FID Readings	Profile	Geologic Description	USCS Soil Classification
0-2'	NA	56%	0.0			Light brown CLAY, trace gravel, hard, moist, no odors or staining	CL
2-4'	NA	56%	0.0			Very moist the last 6" Grey CLAY, silty, trace gravel, very moist, soft, hydrocarbon odor/staining	CL
4-6'	NA	46%	4.9			Black SAND, CLAY pockets, trace sand, hydrocarbon odor/staining	ML
6-8'	<b>NA</b>	<b>46%</b>	<b>25.3</b>			Brown gray CLAY, trace sand and gravel, slight hydrocarbon odor, hard, moist	CL
8-10'	NA	48%	587.6			Grey SILTY SANDS, very fine to coarse, trace gravel, hydrocarbon odor, sheen	SM
10-12'	NA	48%	786.3			Gray CLAY, trace sand and gravel, hydrocarbon odor, firm	CL
12.0						End of boring	
14.0						Sample intervals selected for laboratory analysis are in <b>bold</b> and shaded.	
16.0							
18.0							
20.0							
22.0							
24.0							

**LEGEND**

	Clay/Silty Clay		Fine Sand		Decomposed Rock/Bedrock
	Silt/Clayey Silt		Medium Sand		
	Sandy Clay/Clayey Sand		Coarse Sand		
	Silty Sand		Fill/Backfill		

PARTNERS ENVIRONMENTAL CONSULTING, INC.		SOIL BOREHOLE LOG				SB-25	
Client: OH EPA		Location: Leake Oil, E. Palestine			1 of 1		
Date Drilled: 6/5/2024		Total Depth: 16'					
Drilling Method: D722		Casing Elevation: Not Applicable					
Drilling Company: Enivrocore		Top of Water: 11.5'					
Driller: Cody Griffin		Backfill Material: Bentonite					
Geologist: JRK							
Depth	Sample Type & Identification	SPT Blows Per 0.5 feet	Recovery (%)	PID/FID Readings	Profile	Geologic Description	USCS Soil Classification
0-2'	NA	73%	7.2		Wet	Light brown CLAY, trace gravel/sand, firm, moist, slight hydrocarbon odor	CL
2-4'	NA	73%	15.1			Grey CLAY, trace sand and gravel, very moist, soft, hydrocarbon odor	CL
4-6'	<b>NA</b>	<b>54%</b>	<b>24.0</b>			Light brown CLAY, very moist, soft, trace sand and gravel, hydrocarbon odor	CL
6-8'	<b>NA</b>	<b>54%</b>	<b>2.0</b>				
8-10'	NA	35%	5.3				
10-12'	NA	35%	1.2			Grey CLAY, very moist, soft, trace sand and gravel, no odor or staining	CL
12-14'	NA	15%	8.2				
14-16'	NA	15%	NA				
16.0'							End of boring
18.0'						Sample intervals selected for laboratory analysis are in <b>bold</b> and shaded.	
20.0'							
22.0'							
24.0'							

LEGEND

-  Clay/Silty Clay
-  Fine Sand
-  Decomposed Rock/Bedrock
-  Silt/Clayey Silt
-  Medium Sand
-  Sandy Clay/Clayey Sand
-  Coarse Sand
-  Silty Sand
-  Fill/Backfill



PARTNERS ENVIRONMENTAL CONSULTING, INC.

SOIL BOREHOLE LOG

SB-26

Client: OH EPA	Location: Leake Oil, E. Palestine	1 of 1
Date Drilled: 6/5/2024	Total Depth: 16'	
Drilling Method: D722	Casing Elevation: Not Applicable	
Drilling Company: Enivrocore	Top of Water: 11.5'	
Driller: Cody Griffin	Backfill Material: Bentonite	
Geologist: JRK		

Depth	Sample Type & Identification	SPT Blows Per 0.5 feet	Recovery (%)	PID/FID Readings	Profile	Geologic Description	USCS Soil Classification	
0-2'	NA	63%	12.6		[Profile Column with Hatched Pattern]	Brown CLAY, hard, dry, slight hydrocarbon odor, trace sand and gravel	CH	
2.0						Grey CLAY, soft, moist, trace sand and gravel, hydrocarbon odor	CL	
2-4'	NA	63%	60.9					
4.0						Brown grey CLAY, soft, moist, trace sand and gravel, slight hydrocarbon odor		
4-6'	<b>NA</b>	<b>69%</b>	<b>191.2</b>					
6.0								
6-8'	NA	69%	24.9				Black SM/ML, very fine to fine, very moist, hydrocarbon odor	ML
8.0							Brown grey CLAY, trace sand and gravel, firm, moist, slight hydrocarbon odor	CL
8-10'	<b>NA</b>	<b>94%</b>	<b>1.7</b>					
10.0								
10-12'	NA	94%	0.9				SM	
12.0						Light brown silty SAND, very fine to fine, trace gravel, wet		
12-14'	NA	21%	0.6					
14.0						Same as above, brown grey		
14-16'	NA	21%	2.1					
16.0								
18.0						End of boring		
20.0						Sample intervals selected for laboratory analysis are in <b>bold</b> and shaded.		
22.0								
24.0								










LEGEND

- Clay/Silty Clay
- Fine Sand
- Decomposed Rock/Bedrock
- Silt/Clayey Silt
- Medium Sand
- Coarse Sand
- Sandy Clay/Clayey Sand
- Fill/Backfill
- Silty Sand



PARTNERS ENVIRONMENTAL CONSULTING, INC.		SOIL BOREHOLE LOG				SB-27		
Client: OH EPA		Location: Leake Oil, E. Palestine		1 of 1				
Date Drilled: 6/7/2024		Total Depth: 16'						
Drilling Method: D722		Casing Elevation: Not Applicable						
Drilling Company: Enivrocore		Top of Water: 7.8'						
Driller: Cody Griffin		Backfill Material: Bentonite						
Geologist: JRK								
Depth	Sample Type & Identification	SPT Blows Per 0.5 feet	Recovery (%)	PI/D/FID Readings	Profile	Geologic Description	USCS Soil Classification	
						Concrete 5"		
0-2'	NA	31%	0.7		Wet at 8'	Brown grey CLAY, minor sand and gravel, very moist, soft	CL	
2-4'	NA	31%	0.6			Same as above, grey		
4-6'	<b>NA</b>	<b>44%</b>	<b>5.5</b>			grey CLAY, silty, very moist, soft, hydrocarbon odor	CL	
6-8'	<b>NA</b>	<b>44%</b>	<b>3.9</b>					
8-10'	NA	8%	1.0					
10-12'	NA	13%	NA					
12-14'	NA	63%	0.0			Grey CLAY, moist, firm, trace sand and gravel	CL	
14-16'	NA	63%	0.0					
End of boring								
Sample intervals selected for laboratory analysis are in <b>bold</b> and shaded.								

LEGEND


-  Clay/Silty Clay
-  Fine Sand
-  Decomposed Rock/Bedrock
-  Silt/Clayey Silt
-  Medium Sand
-  Sandy Clay/Clayey Sand
-  Coarse Sand
-  Silty Sand
-  Fill/Backfill

PARTNERS ENVIRONMENTAL CONSULTING, INC.		SOIL BOREHOLE LOG				SB-28	
Client:	OH EPA	Location:	Leake Oil, E. Palestine				1 of 1
Date Drilled:	6/7/2024	Total Depth:	12'				
Drilling Method:	D722	Casing Elevation:	Not Applicable				
Drilling Company:	Enivrocore	Top of Water:	8.5'				
Driller:	Cody Griffin	Backfill Material:	Bentonite				
Geologist:	JRK						
Depth	Sample Type & Identification	SPT Blows Per 0.5 feet	Recovery (%)	PID/FID Readings	Profile	Geologic Description	USCS Soil Classification
						Concrete 6" FILL	
2.0	0-2'	NA	29%	0.2		Brown CLAY, trace sand and gravel, very moist, soft	CL
4.0	2-4'	NA	29%	27.2		Grey SANDY CLAY, moist, soft, hydrocarbon odor	CL
6.0	<b>4-6'</b>	<b>NA</b>	<b>54%</b>	<b>1021</b>			
8.0	<b>6-8'</b>	<b>NA</b>	<b>54%</b>	<b>671.4</b>		Same as above, trace gravel	
10.0	8-10'	NA	71%	24.1		Wet	
12.0	10-12'	NA	71%	12.0		Grey brown CLAY, firm, moist, trace sand and gravel, silty sand lenses	CL
14.0						End of boring	
16.0						Sample intervals selected for laboratory analysis are in <b>bold</b> and shaded.	
18.0							
20.0							
22.0							
24.0							

LEGEND

 Clay/Silty Clay


 Fine Sand

 Decomposed Rock/Bedrock

 Silt/Clayey Silt

 Medium Sand

 Sandy Clay/Clayey Sand

 Coarse Sand










 Silty Sand

 Fill/Backfill

Client: OH EPA	Location: Leake Oil, E. Palestine	1 of 1
Date Drilled: 6/7/2024	Total Depth: 12'	
Drilling Method: D722	Casing Elevation: Not Applicable	
Drilling Company: Enivrocore	Top of Water: 7.5'	
Driller: Cody Griffin	Backfill Material: Bentonite	
Geologist: JRK		









Depth	Sample Type & Identification	SPT Blows Per 0.5 feet	Recovery (%)	PID/FID Readings	Profile	Geologic Description	USCS Soil Classification
						Concrete 5"	
2.0	0-2'	NA	38%	0.0		Brown CLAY, trace sand and gravel, moist, soft	CL
4.0	<b>2-4'</b>	<b>NA</b>	<b>38%</b>	<b>0.0</b>		medium SANDY CLAY, moist, soft, trace gravel	CL
6.0	<b>4-6'</b>	<b>NA</b>	<b>23%</b>	<b>2.5</b>		Grey SANDY CLAY, trace gravel, hydrocarbon odor, very moist, soft	
8.0	6-8'	NA	23%	NA		Wet	
10.0	8-10'	NA	100%	0.0		Grey SILTY GRAVEL, fine gravel, silty H, sand, wet	GM
12.0	10-12'	NA	100%	0.0		Grey SILTY, fine to medium, clay pockets, wet	SM
14.0						End of boring	
16.0						Sample intervals selected for laboratory analysis are in <b>bold</b> and shaded.	
18.0							
20.0							
22.0							
24.0							

LEGEND

- |  |   |   |
|--|---|---|
|  Clay/Silty Clay        |  Fine Sand     |  Decomposed Rock/Bedrock |
|  Silt/Clayey Silt       |  Medium Sand   |   |
|  Sandy Clay/Clayey Sand |  Coarse Sand   |   |
|  Silty Sand             |  Fill/Backfill |   |

PARTNERS ENVIRONMENTAL CONSULTING, INC.		SOIL BOREHOLE LOG				SB-30	
Client: OH EPA		Location: Leake Oil, E. Palestine		1 of 1			
Date Drilled: 6/7/2024		Total Depth: 12'					
Drilling Method: D722		Casing Elevation: Not Applicable					
Drilling Company: Enivrocore		Top of Water: 9'					
Driller: Cody Griffin		Backfill Material: Bentonite					
Geologist: JRK							
Depth	Sample Type & Identification	SPT Blows Per 0.5 feet	Recovery (%)	PID/FID Readings	Profile	Geologic Description	USCS Soil Classification
0.0	0-2'	NA	0%		Concrete 4"	Concrete 4"	
2.0	2-4'	NA	0%			* Tried 3x for a 0-4" sample	CL
4.0	4-6'	<b>NA</b>	<b>35%</b>	<b>4.3</b>		Grey CLAY, moist, soft, much sand, trace gravel, hydrocarbon odor	
6.0	6-8'	<b>NA</b>	<b>35%</b>	<b>10.1</b>		Grey SANDY CLAY, moist, soft, hydrocarbon odor, trace gravel	SC
8.0	8-10'	NA	81%	0.1		Wet	
10.0	10-12'	NA	81%	0.0			
12.0						End of boring	
14.0						Sample intervals selected for laboratory analysis are in <b>bold</b> and shaded.	
16.0							
18.0							
20.0							
22.0							
24.0							

LEGEND


	Clay/Silty Clay		Fine Sand		Decomposed Rock/Bedrock
	Silt/Clayey Silt		Medium Sand		
	Sandy Clay/Clayey Sand		Coarse Sand		
	Silty Sand		Fill/Backfill		

PARTNERS ENVIRONMENTAL CONSULTING, INC.		SOIL BOREHOLE LOG				SB-31	
Client: OH EPA		Location: Leake Oil, E. Palestine		1 of 1			
Date Drilled: 6/7/2024		Total Depth: 12'					
Drilling Method: D722		Casing Elevation: Not Applicable					
Drilling Company: Enivrocore		Top of Water: 10.5'					
Driller: Cody Griffin		Backfill Material: Bentonite					
Geologist: JRK							
Depth	Sample Type & Identification	SPT Blows Per 0.5 feet	Recovery (%)	PID/FID Readings	Profile	Geologic Description	USCS Soil Classification
						Concrete 4"	
0-2'	NA	38%	6.8			Light brown clay FILL, trace sand and gravel, moist, soft, solvent odor	CL
2.0						Grey CLAY, moist, soft, solvent odor, minor sand	CL
2-4'	<b>NA</b>	<b>38%</b>	<b>524.7</b>				
4.0						Same as above, light grey, trace sand	
4-6'	NA	81%	96.7				
6.0						Grey SANDY CLAY, solvent odor, very moist, soft, trace gravel	SC
6-8'	<b>NA</b>	<b>81%</b>	<b>387.8</b>				
8.0							
8-10'	NA	85%	15.7			Grey SILT, very fine to fine, no odors or staining	SM
10.0							
10-12'	NA	85%	5.3			Wet	
12.0							
						End of boring	
						Sample intervals selected for laboratory analysis are in <b>bold</b> and shaded.	
14.0							
16.0							
18.0							
20.0							
22.0							
24.0							

LEGEND

 Clay/Silty Clay

 Fine Sand

 Decomposed Rock/Bedrock

 Silt/Clayey Silt

 Medium Sand

 Sandy Clay/Clayey Sand

 Coarse Sand

 Silty Sand









 Fill/Backfill



PARTNERS ENVIRONMENTAL CONSULTING, INC.		SOIL BOREHOLE LOG				SB-32	
Client: OH EPA		Location: Leake Oil, E. Palestine			1 of 1		
Date Drilled: 6/7/2024		Total Depth: 4'					
Drilling Method: HA		Casing Elevation: Not Applicable					
Drilling Company: Enivrocore		Top of Water: 4'					
Driller: Cody Griffin		Backfill Material: Bentonite					
Geologist: JRK							
Depth	Sample Type & Identification	SPT Blows Per 0.5 feet	Recovery (%)	PLD/FID Readings	Profile	Geologic Description	USCS Soil Classification
0-2'	<b>NA</b>	<b>100%</b>	<b>5.1</b>		[Hatched Pattern]	Olive brown CLAY, trace gravel, hydrocarbon odor, moist	CL
2.0						Grey CLAY, moist, firm, hydrocarbon odor	CL
2-4'	<b>NA</b>	<b>100%</b>	<b>450.4</b>				
4.0						Wet End of boring	
6.0						Sample intervals selected for laboratory analysis are in <b>bold</b> and shaded.	
8.0							
10.0							
12.0							
14.0							
16.0							
18.0							
20.0							
22.0							
24.0							

DRAFT

LEGEND

- |  |   |   |
|--|---|---|
|  Clay/Silty Clay        |  Fine Sand     |  Decomposed Rock/Bedrock |
|  Silt/Clayey Silt       |  Medium Sand   |   |
|  Sandy Clay/Clayey Sand |  Coarse Sand   |   |
|  Silty Sand             |  Fill/Backfill |   |

Client: <u>OH EPA</u>	Location: <u>Leake Oil, E. Palestine</u>	1 of 1
Date Drilled: <u>6/7/2024</u>	Total Depth: _____	
Drilling Method: <u>HA</u>	Casing Elevation: <u>Not Applicable</u>	
Drilling Company: <u>Enivrocore</u>	Top of Water: <u>4'</u>	
Driller: <u>Cody Griffin</u>	Backfill Material: <u>Bentonite</u>	
Geologist: <u>JRK</u>		

Depth	Sample Type & Identification	SPT Blows Per 0.5 feet	Recovery (%)	PID/FID Readings	Profile	Geologic Description	USCS Soil Classification	
2.0	<b>0-2'</b>	<b>NA</b>	<b>100%</b>	<b>6.3</b>		Brown CLAY, firm, moist, trace gravel	CL	
4.0	<b>2-4'</b>	<b>NA</b>	<b>100%</b>	<b>0.6</b>				
6.0						Refusal End of Boring		
8.0						<p>Sample intervals selected for laboratory analysis are in <b>bold</b> and shaded.</p> <div style="font-size: 4em; color: red; transform: rotate(-45deg); opacity: 0.5;">DRAFT</div>		
10.0								
12.0								
14.0								
16.0								
18.0								
20.0								
22.0								
24.0								










LEGEND

- |  |   |   |
|--|---|---|
|  Clay/Silty Clay        |  Fine Sand     |  Decomposed Rock/Bedrock |
|  Silt/Clayey Silt       |  Medium Sand   |   |
|  Sandy Clay/Clayey Sand |  Coarse Sand   |   |
|  Silty Sand             |  Fill/Backfill |   |

Client: <u>OH EPA</u>	Location: <u>Leake Oil, E. Palestine</u>	1 of 1
Date Drilled: <u>6/7/2024</u>	Total Depth: _____	
Drilling Method: <u>HA</u>	Casing Elevation: <u>Not Applicable</u>	
Drilling Company: <u>Enivrocore</u>	Top of Water: <u>4'</u>	
Driller: <u>Cody Griffin/ Tyler</u>	Backfill Material: <u>Bentonite</u>	
Geologist: <u>JRK</u>		










Depth	Sample Type & Identification	SPT Blows Per 0.5 feet	Recovery (%)	PID/FID Readings	Profile	Geologic Description	USCS Soil Classification
2.0	<b>0-2'</b>	<b>NA</b>	<b>100%</b>	<b>9.7</b>		Dark brown CLAY, firm, moist, slight hydrocarbon odor	CL
4.0	<b>2-4'</b>	<b>NA</b>	<b>100%</b>	<b>183.7</b>		Grey CLAY, firm, moist, hydrocarbon odor	CL
6.0						End of boring	
8.0						<div style="font-size: 4em; color: red; transform: rotate(-45deg); opacity: 0.5;">DRAFT</div>	
10.0							
12.0							
14.0							
16.0							
18.0							
20.0							
22.0							
24.0							

**LEGEND**

- |  |   |   |
|--|---|---|
|  Clay/Silty Clay        |  Fine Sand     |  Decomposed Rock/Bedrock |
|  Silt/Clayey Silt       |  Medium Sand   |   |
|  Sandy Clay/Clayey Sand |  Coarse Sand   |   |
|  Silty Sand             |  Fill/Backfill |   |










PARTNERS ENVIRONMENTAL CONSULTING, INC.		SOIL BOREHOLE LOG				SB-35	
Client: OH EPA		Location: Leake Oil, E. Palestine			1 of 1		
Date Drilled: 6/7/2024		Total Depth: 6'					
Drilling Method: HA		Casing Elevation: Not Applicable					
Drilling Company: Enivrocore		Top of Water: 5.5'					
Driller: Cody Griffin/ Tyler		Backfill Material: Bentonite					
Geologist: JRK							
Depth	Sample Type & Identification	SPT Blows Per 0.5 feet	Recovery (%)	PID/FID Readings	Profile	Geologic Description	USCS Soil Classification
0-2'	NA	100%	0.8			Brown CLAY, moist, firm, trace gravel	CL
2-4'	NA	100%	599.6			Grey CLAY, hydrocarbon odor, moist, firm	CL
4-6'	NA	100%	554.3			Grey SILT, fine to medium, hydrocarbon odor	SM
6.0						Wet	
8.0						End of boring Sample intervals selected for laboratory analysis are in <b>bold</b> and shaded.	
10.0							
12.0							
14.0							
16.0							
18.0							
20.0							
22.0							
24.0							

LEGEND

-  Clay/Silty Clay
-  Fine Sand
-  Decomposed Rock/Bedrock
-  Silt/Clayey Silt
-  Medium Sand
-  Sandy Clay/Clayey Sand
-  Coarse Sand
-  Silty Sand
-  Fill/Backfill

PARTNERS ENVIRONMENTAL CONSULTING, INC.		SOIL BOREHOLE LOG				SB-36	
Client: OH EPA		Location: Leake Oil, E. Palestine			1 of 1		
Date Drilled: 6/7/2024		Total Depth: 6'					
Drilling Method: HA		Casing Elevation: Not Applicable					
Drilling Company: Enivrocore		Top of Water: 6'					
Driller: Cody Griffin/Tyler		Backfill Material: Bentonite					
Geologist: JRK							
Depth	Sample Type & Identification	SPT Blows Per 0.5 feet	Recovery (%)	PI/D/FID Readings	Profile	Geologic Description	USCS Soil Classification
0-2'	NA	100%	3.5		[Hatched Pattern]	Brown CLAY, firm, moist, trace gravel	CL
2-4'	NA	100%	3.7			Grey SILT, fine to medium, hydrocarbon odor, moist	SM
4-6'	NA	100%	1077			Same as above, trace gravel	
6.0						Wet End of boring Sample intervals selected for laboratory analysis are in <b>bold</b> and shaded.	
8.0							
10.0							
12.0							
14.0							
16.0							
18.0							
20.0							
22.0							
24.0							

LEGEND

-  Clay/Silty Clay
-  Fine Sand
-  Decomposed Rock/Bedrock
-  Silt/Clayey Silt
-  Medium Sand
-  Coarse Sand
-  Sandy Clay/Clayey Sand
-  Fill/Backfill
-  Silty Sand











Client: OH EPA	Location: Leake Oil, E. Palestine	1 of 1
Date Drilled: 6/7/2024	Total Depth: 8'	
Drilling Method: HA	Casing Elevation: Not Applicable	
Drilling Company: Enivrocore	Top of Water: 7'	
Driller: Cody Griffin/Tyler	Backfill Material: Bentonite	
Geologist: JRK		

Depth	Sample Type & Identification	SPT Blows Per 0.5 feet	Recovery (%)	PID/FID Readings	Profile	Geologic Description	USCS Soil Classification
2.0	<b>0-2'</b>	<b>NA</b>	<b>100%</b>	<b>194.3</b>		Brown CLAY, trace gravel, moist, firm, hydrocarbon odor	CL
4.0	2-4'	NA	100%	16.3		Grey CLAY, moist, firm, hydrocarbon odor	CL
6.0	<b>4-6'</b>	<b>NA</b>	<b>100%</b>	<b>1182</b>		Grey SILT, fine to medium, hydrocarbon odor	SM
8.0				1277		Wet	
10.0						End of boring	
12.0						Sample intervals selected for laboratory analysis are in <b>bold</b> and shaded.	
14.0							
16.0							
18.0							
20.0							
22.0							
24.0							

DRAFT

LEGEND


 Clay/Silty Clay	 Fine Sand	 Decomposed Rock/Bedrock
 Silt/Clayey Silt	 Medium Sand	
 Sandy Clay/Clayey Sand	 Coarse Sand	
 Silty Sand	 Fill/Backfill	

PARTNERS ENVIRONMENTAL CONSULTING, INC.		SOIL BOREHOLE LOG				SB-38	
Client: OH EPA		Location: Leake Oil, E. Palestine			1 of 1		
Date Drilled: 6/17/2024		Total Depth: 12'					
Drilling Method: DT Geoprobe		Casing Elevation: Not Applicable					
Drilling Company: Enivrocore		Top of Water: 7'					
Driller: Cody and Colby		Backfill Material: Bentonite					
Geologist: BDG							
Depth	Sample Type & Identification	SPT Blows Per 0.5 feet	Recovery (%)	PID/FID Readings	Profile	Geologic Description	USCS Soil Classification
0-2	NA	75%	0.0		6" topsoil	Brown-light brown, fine to very fine, sand, FILL, with small gravel, no odors or staining	SP
2-4	NA	75%	0.0				
4-6	NA	90%	214.7			Brown/grey silty CLAY, slight petroleum odor	CL
6-8	NA	90%	49.5			Wet at 7'	
8-10	NA	60%	0.1			Grey sandy CLAY, soft	CL
10-12	NA	60%	0.8			Very wet at 9'	
						End of boring	
						Sampled at 12:37	
						Sample intervals selected for laboratory analysis are in <b>bold</b> and shaded.	

LEGEND

 Clay/Silty Clay

 Fine Sand

 Decomposed Rock/Bedrock

 Silt/Clayey Silt

 Medium Sand

 Sandy Clay/Clayey Sand

 Coarse Sand

 Silty Sand

 Fill/Backfill



**PARTNERS ENVIRONMENTAL CONSULTING, INC.**






**SOIL BOREHOLE LOG**

**SB-39**

Client:	OH EPA	Location:	Leake Oil, E. Palestine	<b>1 of 1</b>
Date Drilled:	6/17/2024	Total Depth:	12'	
Drilling Method:	DT Geoprobe	Casing Elevation:	Not Applicable	
Drilling Company:	Enivrocore	Top of Water:	8.5'	
Driller:	Cody and Colby	Backfill Material:	Bentonite	
Geologist:	BDG			

Depth	Sample Type & Identification	SPT Blows Per 0.5 feet	Recovery (%)	PID/FID Readings	Profile	Geologic Description	USCS Soil Classification
0-2	NA	40%	0.0			3" topsoil FILL, sand, small gravel, no odors or staining	SP
2-4	NA	40%	0.0				
<b>4-6</b>	<b>NA</b>	<b>80%</b>	<b>0</b>			Sandy brown CLAY, trace gravel, no odors or staining	CL
<b>6-8</b>	<b>NA</b>	<b>80%</b>	<b>0</b>				
8-10	NA	100%	0.0			Gray soft CLAY, wet at 8.5, no odors or staining	CL
10-12	NA	100%	0.0			Sand Seam at 10, no odors or staining Grey soft CLAY, no odors or staining	
12.0						End of boring	
14.0						Sampled at 13:14	
16.0						Sample intervals selected for laboratory analysis are in <b>bold</b> and shaded.	
18.0							
20.0							
22.0							
24.0							

**LEGEND**

-  Clay/Silty Clay
-  Fine Sand
-  Decomposed Rock/Bedrock
-  Silt/Clayey Silt
-  Medium Sand
-  Coarse Sand
-  Sandy Clay/Clayey Sand
-  Silty Sand
-  Fill/Backfill

PARTNERS ENVIRONMENTAL CONSULTING, INC.		SOIL BOREHOLE LOG				SB-40	
Client: OH EPA		Location: Leake Oil, E. Palestine			1 of 1		
Date Drilled: 6/17/2024		Total Depth: 12'					
Drilling Method: DT Geoprobe		Casing Elevation: Not Applicable					
Drilling Company: Enivrocore		Top of Water: 7.5'					
Driller: Cody and Colby		Backfill Material: Bentonite					
Geologist: BDG							
Depth	Sample Type & Identification	SPT Blows Per 0.5 feet	Recovery (%)	PID/FID Readings	Profile	Geologic Description	USCS Soil Classification
0.0 - 2.0	<b>0-2</b>	<b>NA</b>	<b>40%</b>	<b>0.1</b>		2" topsoil Light brown, fine, sand, FILL, trace gravel, no odors or staining	SP
2.0 - 4.0	2-4	NA	40%	0.3		Sandy CLAY, brown, meduim stiff, no odors or staining	CL
4.0 - 6.0	<b>4-6</b>	<b>NA</b>	<b>70%</b>	<b>0.50</b>		Brown silty CLAY, soft, moist, slight petroleum odor	CL
6.0 - 8.0	6-8	NA	70%	0.00		Wet at 7.5'	CL
8.0 - 10.0	8-10	NA	90%	0.00		Grey silty CLAY, soft, slight petroleum odor with staining	CL
10.0 - 12.0	10-12	NA	90%	0.00		End of boring	
12.0 - 14.0						Sampled at 13:45	
14.0 - 16.0						Sample intervals selected for laboratory analysis are in <b>bold</b> and shaded.	
16.0 - 18.0							
18.0 - 20.0							
20.0 - 22.0							
22.0 - 24.0							

LEGEND

	Clay/Silty Clay		Fine Sand		Decomposed Rock/Bedrock
	Silt/Clayey Silt		Medium Sand		Coarse Sand
	Sandy Clay/Clayey Sand		Coarse Sand		Fill/Backfill
	Silty Sand				

**APPENDIX B  
SAMPLING FORMS**

**DRAFT**



**PARTNERS ENVIRONMENTAL CONSULTING, INC.  
MONITORING WELL SAMPLING FORM**



**Project Name: Leake Oil**

**Project Number: 2296.17**

Monitoring Well ID: MW-01

Date: 6/18/2024

Start Time: 1548

Field Personnel

BDG

Weather Conditions: 93°, sunny

End Time: 1625

Comments:

**INITIAL MEASUREMENTS**

Measured Well Bottom (ft) 15.98

Well Casing Diameter : -inches

Measured Depth to Water (ft) 6.22

Conversion Factor (gal/lineal foot)

Calculated Water Column (ft) 9.76

1.25" = 0.08      2" = 0.17      3" = 0.38

One Well Volume (gal) 1.66

Three Well Volumes (gal) 4.98

4" = 0.66      6" = 1.50      8" = 2.60

Notes: Measurements from Top of Casing (TOC)

**WELL CONDITIONS**

Casing Condition  OK      Not OK

Cap Condition  OK      Not OK

**Well Riser**

Paint Condition  OK      Not OK

Lock Condition  OK      Not OK

Stainless Steel

Inner Casing Condition  OK      Not OK

Surface Seal Condition  OK      Not OK

Steel

Notes:

PVC

Petroleum Odor

Pump set @ 13.90'

**PURGE INFORMATION**

**Purge Method**      Stainless Steel Bailer      Peristaltic Pump      Grundfos Pump      Other:  
                                  Teflon Bailer      Polyethylene Bailer      Bladder Pump

Time	Liters Purged	Flow Rate (ml/min)	Temperature (°C)	PH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTUs)	Dissolved Oxygen (mg/L)	ORP (mV)	Depth to Water Measurement
Stabilization Criteria (3 Consecutive Readings):			+/- 0.5 °C	+/- 0.1	+/- 3.0%	+/- 10% under 50	+/- 0.3 mg/L	+/-10 mV	
1548	Initial	±200	25.37	7.46	0.607	201	0.00	-97	6.27
1558	2	±200	21.39	6.91	0.607	922	0.00	-97	6.28
1603	3	±200	18.61	6.86	0.628	Max	0.00	-97	6.30
1608	4	±200	18.30	6.86	0.631	619	0.00	-101	6.31
1613	5	±200	18.23	6.85	0.634	311	0.00	-104	6.32
1618	6	±200	18.53	6.84	0.629	234	0.00	-106	6.32
1623	7	±200	18.61	6.84	0.630	152	0.00	-107	6.31

**SAMPLING INFORMATION**

**Sample Method**      Stainless Steel Bailer      Peristaltic Pump      Grundfos Pump      Other:  
                                  Teflon Bailer      Polyethylene Bailer      Bladder Pump

Comments:

Sampled @1625

Sample Containers      Number of Containers:      Test Methods/Analyte Groups:      Preservative:      Filter (y/n)

Sampler (Print Name) Brian Grossi

Sampler's Signature

**PARTNERS ENVIRONMENTAL CONSULTING, INC.  
MONITORING WELL SAMPLING FORM**



**Project Name: Leake Oil**

**Project Number: 2296.17**

Monitoring Well ID: MW-03

Date: 6/19/2024

Start Time: 0809

Field Personnel

BDG

Weather Conditions: 77°, partly sunny

End Time: 0853

Comments:

**INITIAL MEASUREMENTS**

Measured Well Bottom (ft) 16.16

Well Casing Diameter : -inches

Measured Depth to Water (ft) 7.53

Conversion Factor (gal/lineal foot)

Calculated Water Column (ft) 8.63

1.25" = 0.08      2" = 0.17      3" = 0.38

One Well Volume (gal) 1.46      Three Well Volumes (gal) 4.38

4" = 0.66      6" = 1.50      8" = 2.60

Notes: Measurements from Top of Casing (TOC)

**WELL CONDITIONS**

Casing Condition  OK      Not OK

Cap Condition  OK      Not OK

**Well Riser**

Paint Condition  OK      Not OK

Lock Condition  OK      Not OK

Stainless Steel

Inner Casing Condition  OK      Not OK

Surface Seal Condition  OK      Not OK

Steel

Notes:

PVC

Petroleum Odor

Pump set @ 14.51'

**PURGE INFORMATION**

**Purge Method**      Stainless Steel Bailer      Peristaltic Pump      Grundfos Pump      Other:  
                                  Teflon Bailer      Polyethylene Bailer      Bladder Pump

Time	Liters Purged	Flow Rate (ml/min)	Temperature (°C)	PH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTUs)	Dissolved Oxygen (mg/L)	ORP (mV)	Depth to Water Measurement
Stabilization Criteria (3 Consecutive Readings):			+/- 0.5 °C	+/- 0.1	+/- 3.0%	+/- 10% under 50	+/- 0.3 mg/L	+/-10 mV	
0809	Initial	±200	19.78	7.23	0.828	398	13.00	139	7.82
0819	2	±200	17.51	6.97	0.843	346	9.03	124	8.03
0824	3	±200	16.87	6.88	0.856	337	8.09	112	8.07
0829	4	±200	16.39	6.86	0.866	320	7.32	101	8.14
0834	5	±200	16.16	6.82	0.870	307	0.00	89	8.20
0839	6	±200	16.01	6.83	0.859	183	0.00	72	8.28
0844	7	±200	15.83	6.81	0.863	998	0.00	59	8.34
0849	8	±200	15.78	6.81	0.851	860	0.00	49	8.41

**SAMPLING INFORMATION**

**Sample Method**      Stainless Steel Bailer      Peristaltic Pump      Grundfos Pump      Other:  
                                  Teflon Bailer      Polyethylene Bailer      Bladder Pump

Comments:

Sampled @ 0853

Sample Containers      Number of Containers:      Test Methods/Analyte Groups:      Preservative:      Filter (y/n)

Sampler (Print Name) Brian Grossi

Sampler's Signature

**PARTNERS ENVIRONMENTAL CONSULTING, INC.  
MONITORING WELL SAMPLING FORM**



**Project Name: Leake Oil**

**Project Number: 2296.17**

Monitoring Well ID: MW-06

Date: 6/19/2024

Start Time: 1323

Field Personnel

BDG

Weather Conditions: 84°, sunny

End Time: 1406

Comments:

**INITIAL MEASUREMENTS**

Measured Well Bottom (ft) 16.18

Well Casing Diameter : -inches

Measured Depth to Water (ft) 6.54

Conversion Factor (gal/lineal foot)

Calculated Water Column (ft) 9.64

1.25" = 0.08      2" = 0.17      3" = 0.38

One Well Volume (gal) 1.63      Three Well Volumes (gal) 4.89

4" = 0.66      6" = 1.50      8" = 2.60

Notes: Measurements from Top of Casing (TOC)

**WELL CONDITIONS**

Casing Condition  OK      Not OK

Cap Condition  OK      Not OK

**Well Riser**

Paint Condition  OK      Not OK

Lock Condition  OK      Not OK

Stainless Steel

Inner Casing Condition  OK      Not OK

Surface Seal Condition  OK      Not OK

Steel

Notes:

PVC

Petroleum Odor

Pump set @ 13.01'

**PURGE INFORMATION**

**Purge Method**      Stainless Steel Bailer      Peristaltic Pump      Grundfos Pump      Other:  
                                  Teflon Bailer      Polyethylene Bailer      Bladder Pump

Time	Liters Purged	Flow Rate (ml/min)	Temperature (°C)	PH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTUs)	Dissolved Oxygen (mg/L)	ORP (mV)	Depth to Water Measurement
Stabilization Criteria (3 Consecutive Readings):			+/- 0.5 °C	+/- 0.1	+/- 3.0%	+/- 10% under 50	+/- 0.3 mg/L	+/-10 mV	
1323	Initial	±200	22.67	6.84	0.906	619	13.25	-33	
1333	2	±200	16.95	6.63	1.01	+1000	0.00	-64	
1338	3	±200	16.17	6.61	1.02	962	0.00	-68	
1343	4	±200	16.13	6.58	1.01	937	0.00	-68	
1348	5	±200	16.18	6.58	0.998	+1000	0.00	-68	
1353	6	±200	15.93	6.55	1.00	711	0.00	-68	
1358	7	±200	16.08	6.56	1.00	546	0.00	-69	
1403	8	±200	15.60	6.56	1.01	448	0.00	-69	

**SAMPLING INFORMATION**

**Sample Method**      Stainless Steel Bailer      Peristaltic Pump      Grundfos Pump      Other:  
                                  Teflon Bailer      Polyethylene Bailer      Bladder Pump

Comments:

Sampled @ 1406

Duplicate

Sample Containers      Number of Containers:      Test Methods/Analyte Groups:      Preservative:      Filter (y/n)

Sampler (Print Name) Brian Grossi

Sampler's Signature

**PARTNERS ENVIRONMENTAL CONSULTING, INC.  
MONITORING WELL SAMPLING FORM**



**Project Name: Leake Oil**

**Project Number: 2296.17**

Monitoring Well ID: MW-04

Date: 6/19/2024

Start Time: 0949

Field Personnel

BDG

Weather Conditions: 87°, mostly sunny

End Time: 1058

Comments:

**INITIAL MEASUREMENTS**

Measured Well Bottom (ft) 16.21

Well Casing Diameter : -inches

Measured Depth to Water (ft) 7.45

Conversion Factor (gal/lineal foot)

Calculated Water Column (ft) 8.76

1.25" = 0.08      2" = 0.17      3" = 0.38

One Well Volume (gal) 1.48      Three Well Volumes (gal) 4.44

4" = 0.66      6" = 1.50      8" = 2.60

Notes: Measurements from Top of Casing (TOC)

**WELL CONDITIONS**

Casing Condition  OK      Not OK

Cap Condition  OK      Not OK

**Well Riser**

Paint Condition  OK      Not OK

Lock Condition  OK      Not OK

Stainless Steel

Inner Casing Condition  OK      Not OK

Surface Seal Condition  OK      Not OK

Steel

Notes:

PVC

Petroleum Odor

Pump set @ 14.48'

**PURGE INFORMATION**

**Purge Method**      Stainless Steel Bailer      Peristaltic Pump      Grundfos Pump      Other:  
                                  Teflon Bailer      Polyethylene Bailer      Bladder Pump

Time	Liters Purged	Flow Rate (ml/min)	Temperature (°C)	PH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTUs)	Dissolved Oxygen (mg/L)	ORP (mV)	Depth to Water Measurement
Stabilization Criteria (3 Consecutive Readings):			+/- 0.5 °C	+/- 0.1	+/- 3.0%	+/- 10% under 50	+/- 0.3 mg/L	+/-10 mV	
0949	Initial	±200	19.92	6.88	0.668	+1000	0.00	95	7.51
0959	2	±200	15.75	6.75	0.696	+1000	0.00	3	7.58
1004	3	±200	15.20	6.74	0.680	+1000	0.00	4	7.64
1009	4	±200	15.27	6.73	0.672	+1000	0.00	5	7.66
1014	5	±200	14.96	6.80	0.683	+1000	0.00	14	7.66
1019	6	±200	14.69	6.72	0.690	865	0.00	6	7.67
1024	7	±200	14.51	6.71	0.698	691	0.00	0	7.67
1029	8	±200	14.64	6.70	0.706	580	0.00	-3	7.68
1034	9	±200	14.41	6.70	0.715	389	0.00	-9	7.67
1039	10	±200	14.30	6.68	0.728	268	0.00	-13	7.67
1044	11	±200	14.28	6.68	0.734	233	0.00	-17	7.68
1049	12	±200	14.26	6.67	0.744	160	0.00	-21	7.68
1054	13	±200	14.26	6.67	0.749	134	0.00	-25	7.69

**SAMPLING INFORMATION**

**Sample Method**      Stainless Steel Bailer      Peristaltic Pump      Grundfos Pump      Other:  
                                  Teflon Bailer      Polyethylene Bailer      Bladder Pump

Comments:

Sampled @ 1058

Sample Containers      Number of Containers:      Test Methods/Analyte Groups:      Preservative:      Filter (y/n)

Sampler (Print Name) Brian Grossi

Sampler's Signature





**PARTNERS ENVIRONMENTAL CONSULTING, INC.  
MONITORING WELL SAMPLING FORM**



**Project Name: Leake Oil**

**Project Number: 2296.17**

Monitoring Well ID: MW-07

Date: 6/21/2024

Start Time: 0822

Field Personnel

BDG

Weather Conditions: 80°, sunny

End Time: 0929

Comments:

**INITIAL MEASUREMENTS**

Measured Well Bottom (ft) 19.58

Well Casing Diameter : -inches

Measured Depth to Water (ft) 13.18

Conversion Factor (gal/lineal foot)

Calculated Water Column (ft) 6.40

1.25" = 0.08      2" = 0.17      3" = 0.38

One Well Volume (gal) 1.08      Three Well Volumes (gal) 3.24

4" = 0.66      6" = 1.50      8" = 2.60

Notes: Measurements from Top of Casing (TOC)

**WELL CONDITIONS**

Casing Condition  OK      Not OK

Cap Condition  OK      Not OK

**Well Riser**

Paint Condition  OK      Not OK

Lock Condition  OK      Not OK

Stainless Steel

Inner Casing Condition  OK      Not OK

Surface Seal Condition  OK      Not OK

Steel

Notes:

PVC

Petroleum Odor

Pump set @ 16.50'

**PURGE INFORMATION**

**Purge Method**      Stainless Steel Bailer      Peristaltic Pump      Grundfos Pump      Other:  
                                  Teflon Bailer      Polyethylene Bailer      Bladder Pump

Time	Liters Purged	Flow Rate (ml/min)	Temperature (°C)	PH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTUs)	Dissolved Oxygen (mg/L)	ORP (mV)	Depth to Water Measurement
Stabilization Criteria (3 Consecutive Readings):			+/- 0.5 °C	+/- 0.1	+/- 3.0%	+/- 10% under 50	+/- 0.3 mg/L	+/-10 mV	
0822	Initial	±200	19.65	7.08	0.429	+1000	0.00	168	13.29
0832	2	±200	15.75	6.57	0.415	918	0.00	115	13.68
0837	3	±200	15.52	6.51	0.412	904	0.00	103	13.79
0842	4	±200	15.31	6.49	0.413	708	0.00	95	13.86
0847	5	±200	15.52	6.49	0.416	536	0.00	90	13.95
0852	6	±200	15.24	6.47	0.416	294	0.00	89	14.01
0857	7	±200	15.18	6.45	0.415	231	0.00	88	14.03
0902	8	±200	15.41	6.45	0.411	183	0.00	86	14.06
0907	9	±200	15.42	6.43	0.411	146	0.00	85	14.09
0912	10	±200	15.41	6.44	0.413	129	0.00	84	14.12
0917	11	±200	15.36	6.42	0.412	119	0.00	83	14.14
0922	12	±200	15.38	6.39	0.410	104	0.00	83	14.16
0927	13	±200	15.41	6.41	0.411	95.0	0.00	81	14.18

**SAMPLING INFORMATION**

**Sample Method**      Stainless Steel Bailer      Peristaltic Pump      Grundfos Pump      Other:  
                                  Teflon Bailer      Polyethylene Bailer      Bladder Pump

Comments:

Sampled @ 0929

Sample Containers      Number of Containers:      Test Methods/Analyte Groups:      Preservative:      Filter (y/n)

Sampler (Print Name) Brian Grossi

Sampler's Signature

**PARTNERS ENVIRONMENTAL CONSULTING, INC.**  
**MONITORING WELL SAMPLING FORM**



**Project Name: Leake Oil**

**Project Number: 2296.17**

Monitoring Well ID: MW-08

Date: 6/21/2024

Start Time: 1009

Field Personnel

BDG

Weather Conditions: 80°, sunny

End Time: 1112

Comments:

**INITIAL MEASUREMENTS**

Measured Well Bottom (ft) 19.30

Well Casing Diameter : -inches

Measured Depth to Water (ft) 12.53

Conversion Factor (gal/lineal foot)

Calculated Water Column (ft) 6.77

1.25" = 0.08      2" = 0.17      3" = 0.38

One Well Volume (gal) 1.15      Three Well Volumes (gal) 3.45

4" = 0.66      6" = 1.50      8" = 2.60

Notes: Measurements from Top of Casing (TOC)

**WELL CONDITIONS**

Casing Condition **OK**      Not OK

Cap Condition **OK**      Not OK

**Well Riser**

Paint Condition **OK**      Not OK

Lock Condition **OK**      Not OK

Stainless Steel

Inner Casing Condition **OK**      Not OK

Surface Seal Condition **OK**      Not OK

Steel

Notes:

PVC

Petroleum Odor

Pump set @ 16.00'

**PURGE INFORMATION**

**Purge Method**      Stainless Steel Bailer      Peristaltic Pump      Grundfos Pump      Other:  
                                  Teflon Bailer      Polyethylene Bailer      Bladder Pump

Time	Liters Purged	Flow Rate (ml/min)	Temperature (°C)	PH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTUs)	Dissolved Oxygen (mg/L)	ORP (mV)	Depth to Water Measurement
Stabilization Criteria (3 Consecutive Readings):			+/- 0.5 °C	+/- 0.1	+/- 3.0%	+/- 10% under 50	+/- 0.3 mg/L	+/-10 mV	
1009	Initial	±200	19.90	6.64	0.394	633	0.92	131	12.05
1019	2	±200	17.86	6.46	0.382	504	0.00	129	13.20
1024	3	±200	17.73	6.53	0.394	465	0.00	129	13.41
1029	4	±200	17.47	6.47	0.394	411	0.00	135	13.62
1034	5	±200	17.36	6.55	0.389	323	0.00	138	13.78
1039	6	±200	17.12	6.55	0.386	299	0.00	137	13.93
1044	7	±200	17.10	6.51	0.382	280	0.00	136	14.07
1049	8	±200	16.06	6.48	0.387	241	0.00	134	14.18
1054	9	±200	16.32	6.41	0.378	219	0.00	133	14.27
1059	10	±200	16.26	6.36	0.372	185	0.00	129	14.32
1104	11	±200	16.31	6.35	0.371	183	0.00	126	14.27
1109	12	±200	16.02	6.30	0.371	193	0.00	123	14.29

**SAMPLING INFORMATION**

**Sample Method**      Stainless Steel Bailer      Peristaltic Pump      Grundfos Pump      Other:  
                                  Teflon Bailer      Polyethylene Bailer      Bladder Pump

Comments:

Sampled @ 1112

Sample Containers      Number of Containers:      Test Methods/Analyte Groups:      Preservative:      Filter (y/n)

Sampler (Print Name) Brian Grossi

Sampler's Signature

**PARTNERS ENVIRONMENTAL CONSULTING, INC.  
MONITORING WELL SAMPLING FORM**



**Project Name: Leake Oil**

**Project Number: 2296.17**

Monitoring Well ID: MW-09

Date: 6/21/2024

Start Time: 1134

Field Personnel

BDG

Weather Conditions: 90°, sunny

End Time: 1246

Comments:

**INITIAL MEASUREMENTS**

Measured Well Bottom (ft) 19.86

Well Casing Diameter : -inches

Measured Depth to Water (ft) 12.64

Conversion Factor (gal/lineal foot)

Calculated Water Column (ft) 7.22

1.25" = 0.08      2" = 0.17      3" = 0.38

One Well Volume (gal) 1.22

Three Well Volumes (gal) 3.66

4" = 0.66      6" = 1.50      8" = 2.60

Notes: Measurements from Top of Casing (TOC)

**WELL CONDITIONS**

Casing Condition **OK** Not OK

Cap Condition **OK** Not OK

**Well Riser**

Paint Condition **OK** Not OK

Lock Condition **OK** Not OK

Stainless Steel

Inner Casing Condition **OK** Not OK

Surface Seal Condition **OK** Not OK

Steel

Notes:

PVC

Petroleum Odor

Pump set @ 16.00'

**PURGE INFORMATION**

**Purge Method**      Stainless Steel Bailor      Peristaltic Pump      Grundfos Pump      Other:  
                                  Teflon Bailor      Polyethylene Bailor      Bladder Pump

Time	Liters Purged	Flow Rate (ml/min)	Temperature (°C)	PH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTUs)	Dissolved Oxygen (mg/L)	ORP (mV)	Depth to Water Measurement
Stabilization Criteria (3 Consecutive Readings):			+/- 0.5 °C	+/- 0.1	+/- 3.0%	+/- 10% under 50	+/- 0.3 mg/L	+/-10 mV	
1134	Initial	±200	22.71	6.64	0.362	130	4.21	134	12.73
1144	2	±200	18.28	6.31	0.351	143	0.00	154	13.30
1149	3	±200	18.18	6.34	0.357	150	0.10	157	13.56
1154	4	±200	18.03	6.34	0.354	124	0.20	161	13.77
1159	5	±200	17.95	6.33	0.347	109	0.00	164	13.94
1204	6	±200	17.80	6.25	0.330	93.4	0.00	167	13.97
1209	7	±200	17.69	6.21	0.318	105	0.00	169	13.95
1214	8	±200	17.91	6.19	0.309	123	0.00	169	13.91
1219	9	±200	17.82	6.05	0.274	121	0.00	174	13.85
1224	10	±200	17.86	6.01	0.261	123	0.00	175	13.80
1229	11	±200	17.79	6.01	0.258	112	0.00	176	13.79
1234	12	±200	17.93	5.99	0.253	98.6	0.00	178	13.81
1239	13	±200	17.76	5.94	0.251	111	0.00	181	13.75
1244	14	±200	17.89	5.95	0.246	329	0.00	181	13.79

**SAMPLING INFORMATION**

**Sample Method**      Stainless Steel Bailor      Peristaltic Pump      Grundfos Pump      Other:  
                                  Teflon Bailor      Polyethylene Bailor      Bladder Pump

Comments:

Sampled @ 1246

Sample Containers      Number of Containers:      Test Methods/Analyte Groups:      Preservative:      Filter (y/n)

Sampler (Print Name) Brian Grossi

Sampler's Signature

**PARTNERS ENVIRONMENTAL CONSULTING, INC.  
MONITORING WELL SAMPLING FORM**



**Project Name: Leake Oil**

**Project Number: 2296.17**

Monitoring Well ID: MW-11

Date: 6/21/2024

Start Time: 1307

Field Personnel

BDG

Weather Conditions: 93°, sunny

End Time: 1350

Comments:

**INITIAL MEASUREMENTS**

Measured Well Bottom (ft) 20.43

Well Casing Diameter : -inches

Measured Depth to Water (ft) 11.97

Conversion Factor (gal/lineal foot)

Calculated Water Column (ft) 8.46

1.25" = 0.08      2" = 0.17      3" = 0.38

One Well Volume (gal) 1.43

Three Well Volumes (gal) 4.29

4" = 0.66      6" = 1.50      8" = 2.60

Notes: Measurements from Top of Casing (TOC)

**WELL CONDITIONS**

Casing Condition  OK      Not OK

Cap Condition  OK      Not OK

**Well Riser**

Paint Condition  OK      Not OK

Lock Condition  OK      Not OK

Stainless Steel

Inner Casing Condition  OK      Not OK

Surface Seal Condition  OK      Not OK

Steel

Notes:

PVC

High turbidity spikes due to railroad activity

Pump set @ 17.00'

**PURGE INFORMATION**

**Purge Method**      Stainless Steel Bailer      Peristaltic Pump      Grundfos Pump      Other:  
                                  Teflon Bailer      Polyethylene Bailer      Bladder Pump

Time	Liters Purged	Flow Rate (ml/min)	Temperature (°C)	PH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTUs)	Dissolved Oxygen (mg/L)	ORP (mV)	Depth to Water Measurement
Stabilization Criteria (3 Consecutive Readings):			+/- 0.5 °C	+/- 0.1	+/- 3.0%	+/- 10% under 50	+/- 0.3 mg/L	+/-10 mV	
1307	Initial	±200	23.42	6.36	0.316	248	23.42	183	12.07
1317	2	±200	20.46	6.22	0.299	232	2.66	193	13.41
1322	3	±200	20.11	6.22	0.305	225	2.20	195	13.91
1327	4	±200	19.28	6.26	0.314	221	2.05	194	14.44
1332	5	±200	19.49	6.23	0.320	498	2.36	197	14.79
1337	6	±200	19.40	6.25	0.324	981	2.12	198	15.15
1342	7	±200	19.51	6.27	0.328	+1000	2.22	200	15.55
1347	8	±200	19.58	6.28	0.333	968	1.78	200	15.91

**SAMPLING INFORMATION**

**Sample Method**      Stainless Steel Bailer      Peristaltic Pump      Grundfos Pump      Other:  
                                  Teflon Bailer      Polyethylene Bailer      Bladder Pump

Comments:

Sampled @ 1350

Sample Containers      Number of Containers:      Test Methods/Analyte Groups:      Preservative:      Filter (y/n)

Sampler (Print Name) Brian Grossi

Sampler's Signature

**APPENDIX C**  
**LABORATORY ANALYTICAL REPORTS**

**DRAFT**





Main Site: 301 Fulling Mill Road | Middletown, PA 17057 | Phone: 717-944-5541 | Fax: 717-944-1430 | [www.alsglobal.com](http://www.alsglobal.com)  
 Associated Site: 20 Riverside Drive | Spring City, PA 19475 | Phone: 610-948-4903 | Fax: 717-944-1430 |

NELAP Certifications: NJ PA010 , NY 11759 , PA 22-293 DoD ELAP: PJLA 74618  
 State Certifications: FL E871113 , WA C999 , MD 128 , VA 460157 , WV DW 9961-C , WV 343, NJ PA101

Analytical Results Report For

**Ohio EPA-DERR**

Project Partners Environmental 2296.17  
 Workorder 3363483  
 Report ID 338100 on 7/15/2024 (Revised report. See Project Notations Section.)

**Certificate of Analysis**

Enclosed are the analytical results for samples received by the laboratory on Jun 08, 2024.

The ALS Environmental laboratory in Middletown, Pennsylvania is a National Environmental Laboratory Accreditation Program (NELAP) accredited laboratory and as such, certifies that all applicable test results meet the requirements of NELAP.

If you have any questions regarding this certificate of analysis, please contact Elizabeth Parker (Project Coordinator) at (717) 944-5541.

Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state requirements. The test results meet requirements of the current NELAP standards or state requirements, where applicable. For a specific list of accredited analytes, refer to the certifications section of the ALS website at [www.alsglobal.com/en/Our-Services/Life-Sciences/Environmental/Downloads](http://www.alsglobal.com/en/Our-Services/Life-Sciences/Environmental/Downloads).

This laboratory report may not be reproduced, except in full, without the written approval of ALS Global.  
 ALS Middletown: 301 Fulling Mill Road, Middletown, PA 17057 : 717-944-5541.

Recipient(s):  
 Jeremy Kendle - Partners Environmental  
 Mary Mahaffee - OH EPA

**DRAFT**

*Elizabeth Parker*

**Elizabeth Parker**  
 Project Coordinator

(ALS Digital Signature)

*This page is included as part of the Analytical Report and must be retained as a permanent record thereof.*



## Sample Summary

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collector	Collection Company
3363483001	SB-09 (4-6)	Solid	06/03/2024 12:00	06/08/2024 08:37	CBC	Collected By Client
3363483002	SB-09 (10-12)	Solid	06/03/2024 12:00	06/08/2024 08:37	CBC	Collected By Client
3363483003	DUP6324	Solid	06/03/2024 00:00	06/08/2024 08:37	CBC	Collected By Client
3363483004	HA-01 (0-2)	Solid	06/03/2024 12:15	06/08/2024 08:37	CBC	Collected By Client
3363483005	MW-02 (6-8)	Solid	06/03/2024 12:35	06/08/2024 08:37	CBC	Collected By Client
3363483006	MW-02 (10-12)	Solid	06/03/2024 12:35	06/08/2024 08:37	CBC	Collected By Client
3363483007	SB-16 (8-10)	Solid	06/03/2024 13:30	06/08/2024 08:37	CBC	Collected By Client
3363483008	SB-16 (10-12)	Solid	06/03/2024 13:30	06/08/2024 08:37	CBC	Collected By Client
3363483009	SB-11 (4-6)	Solid	06/03/2024 14:15	06/08/2024 08:37	CBC	Collected By Client
3363483010	SB-11 (8-10)	Solid	06/03/2024 14:15	06/08/2024 08:37	CBC	Collected By Client
3363483011	SB-15 (6-8)	Solid	06/03/2024 15:20	06/08/2024 08:37	CBC	Collected By Client
3363483012	SB-15 (16-18)	Solid	06/03/2024 15:20	06/08/2024 08:37	CBC	Collected By Client
3363483013	MW-05 (4-6)	Solid	06/03/2024 16:05	06/08/2024 08:37	CBC	Collected By Client
3363483014	SB-04 (2-4)	Solid	06/03/2024 16:40	06/08/2024 08:37	CBC	Collected By Client
3363483015	SB-04 (6-8)	Solid	06/03/2024 16:40	06/08/2024 08:37	CBC	Collected By Client
3363483017	SB-13 (8-10)	Solid	06/04/2024 12:15	06/08/2024 08:37	CBC	Collected By Client
3363483018	SB-13 (10-12)	Solid	06/04/2024 12:15	06/08/2024 08:37	CBC	Collected By Client
3363483019	HA-02 (0-2)	Solid	06/04/2024 13:10	06/08/2024 08:37	CBC	Collected By Client
3363483020	MW-06 (4-6)	Solid	06/04/2024 13:55	06/08/2024 08:37	CBC	Collected By Client
3363483021	MW-06 (10-12)	Solid	06/04/2024 13:55	06/08/2024 08:37	CBC	Collected By Client
3363483022	MW-04 (6-8)	Solid	06/04/2024 14:35	06/08/2024 08:37	CBC	Collected By Client
3363483023	MW-04 (10-12)	Solid	06/04/2024 14:35	06/08/2024 08:37	CBC	Collected By Client
3363483024	SB-14 (6-8)	Solid	06/04/2024 15:05	06/08/2024 08:37	CBC	Collected By Client
3363483025	SB-14 (10-12)	Solid	06/04/2024 15:05	06/08/2024 08:37	CBC	Collected By Client
3363483026	DUP6424	Solid	06/04/2024 00:00	06/08/2024 08:37	CBC	Collected By Client
3363483027	MW-03 (6-8)	Solid	06/04/2024 15:45	06/08/2024 08:37	CBC	Collected By Client
3363483028	MW-03 (8-10)	Solid	06/04/2024 15:45	06/08/2024 08:37	CBC	Collected By Client
3363483029	SB-17 (6-8)	Solid	06/04/2024 16:30	06/08/2024 08:37	CBC	Collected By Client
3363483030	SB-17 (8-10)	Solid	06/04/2024 16:30	06/08/2024 08:37	CBC	Collected By Client
3363483031	SB-05 (0-2)	Solid	06/05/2024 09:05	06/08/2024 08:37	CBC	Collected By Client
3363483032	SB-05 (10-12)	Solid	06/05/2024 09:05	06/08/2024 08:37	CBC	Collected By Client
3363483033	SB-18 (0-2)	Solid	06/05/2024 09:30	06/08/2024 08:37	CBC	Collected By Client
3363483034	SB-18 (2-11)	Solid	06/05/2024 09:30	06/08/2024 08:37	CBC	Collected By Client
3363483035	MW-01 (2-4)	Solid	06/05/2024 09:55	06/08/2024 08:37	CBC	Collected By Client
3363483036	MW-01 (4-6)	Solid	06/05/2024 09:55	06/08/2024 08:37	CBC	Collected By Client
3363483037	SB-01 (2-4)	Solid	06/05/2024 10:30	06/08/2024 08:37	CBC	Collected By Client
3363483038	SB-01 (16-18)	Solid	06/05/2024 10:30	06/08/2024 08:37	CBC	Collected By Client
3363483039	SB-19 (2-4)	Solid	06/05/2024 10:55	06/08/2024 08:37	CBC	Collected By Client
3363483040	SB-19 (4-6)	Solid	06/05/2024 10:55	06/08/2024 08:37	CBC	Collected By Client
3363483041	SB-23 (4-6)	Solid	06/05/2024 11:40	06/08/2024 08:37	CBC	Collected By Client
3363483042	SB-23 (8-10)	Solid	06/05/2024 11:40	06/08/2024 08:37	CBC	Collected By Client
3363483043	SB-24 (4-6)	Solid	06/05/2024 12:00	06/08/2024 08:37	CBC	Collected By Client
3363483044	SB-24 (6-8)	Solid	06/05/2024 12:00	06/08/2024 08:37	CBC	Collected By Client
3363483045	MW-05 (6-8)	Solid	06/03/2024 16:05	06/08/2024 12:19	CBC	Collected By Client
3363483046	SB-17 (16-18)	Solid	06/03/2024 15:20	06/08/2024 08:37	CBC	Collected By Client



## Reference

### Notes

- Samples collected by ALS personnel are done so in accordance with the procedures set forth in the ALS Field Sampling Plan (20 - Field Services Sampling Plan).
- Except as qualified, Clean Water Act sample analyses are consistent with methodology requirements in 40 CFR Part 136, including but not limited to the following EPA Method reference revisions:  
EPA 300.1 Rev. 1.0-1997  
EPA 300.0 Rev. 2.1-1993  
EPA 353.2 Rev. 2.0-1993  
EPA 410.4 Rev. 1.0-1993  
EPA 420.4 Rev. 1.0-1993  
EPA 365.1 Rev. 2.0-1993  
EPA 200.7 Rev. 4.4-1994  
EPA 200.8 Rev. 5.4-1994  
EPA 245.1 Rev. 3.0-1994
- Except as qualified, Safe Drinking Water Act sample analyses are consistent with methodology requirements in 40 CFR Part 141.
- The Chain of Custody document is included as part of this report.
- All Library Search analytes should be regarded as tentative identifications based on the presumptive evidence of the mass spectra. Concentrations reported are estimated values.
- Parameters identified as "analyze immediately" require analysis within 15 minutes of collection. Any "analyze immediately" parameters not listed under the header "Field Parameters" are performed in the laboratory and are therefore analyzed out of hold time.
- Method references listed on this report beginning with the prefix "S" followed by a method number (such as S2310B-97) refer to methods from "Standard Methods for the Examination of Water and Wastewater".
- For microbiological analyses, the "Prepared" value is the date/time into the incubator and the "Analyzed" value is the date/time out the incubator.
- An Analysis-Prep Method Cross Reference Table is included after Analytical Results & Qualifiers section in this report.
- Unless otherwise noted, all quantitative results for soils are reported on a dry weight basis.

### Standard Acronyms/Flags

J	Indicates an estimated value between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL) for the analyte
U	Indicates that the analyte was Not Detected (ND) above the MDL
N	Indicates presumptive evidence of the presence of a compound
MDL	Method Detection Limit
PQL	Practical Quantitation Limit
RDL	Practical Quantitation Limit for this Project
ND	Not Detected - indicates that the analyte was Not Detected
Cntr	Analysis was performed using this container
RegLmt	Regulatory Limit
LCS	Laboratory Control Sample
MS	Matrix Spike
MSD	Matrix Spike Duplicate
DUP	Sample Duplicate
%Rec	Percent Recovery
RPD	Relative Percent Difference
LOD	DoD Limit of Detection
LOQ	DoD Limit of Quantitation
DL	DoD Detection Limit
I	Indicates reported value is greater than or equal to the Method Detection Limit (MDL) but less than the Report Detection Limit (RDL)
(S)	Surrogate Compound
NC	Not Calculated
*	Result outside of QC limits
#	Please reference the result in the Results Section for analyte-level flags.



### Project Notations

- P1** This report was revised to remove 8260 VOC and 8015 GRO container qualifiers. EXP 7/1/24
- P2** This report was revised to change the reporting units from ug/kg to mg/kg for methods 8260/8015GRO/8270 per the client's request. EXP 7/3/24

### Sample Notations

Lab ID	Sample ID		
3363483003	DUP6324	<b>S1</b>	This sample was analyzed at a dilution in the 8015 diesel range organics analysis due to the level of analyte detected. Reporting limits were adjusted accordingly.
3363483005	MW-02 (6-8)	<b>S2</b>	This sample was analyzed at a dilution in the 8015 diesel range organics analysis due to the level of analyte detected. Reporting limits were adjusted accordingly.
3363483006	MW-02 (10-12)	<b>S3</b>	This sample was analyzed at a dilution in the 8015 diesel range organics analysis due to the level of analyte detected. Reporting limits were adjusted accordingly.
3363483007	SB-16 (8-10)	<b>S4</b>	This sample was analyzed at a dilution in the 8015 diesel range organics analysis due to the level of analyte detected. Reporting limits were adjusted accordingly. Surrogate recovery could not be evaluated as a result of the dilution.
3363483008	SB-16 (10-12)	<b>S5</b>	This sample was analyzed at a dilution in the 8015 diesel range organics analysis due to the level of analyte detected. Reporting limits were adjusted accordingly.
3363483009	SB-11 (4-6)	<b>S6</b>	This sample was analyzed at a dilution in the 8015 diesel range organics analysis due to the level of analyte detected. Reporting limits were adjusted accordingly. Surrogate recovery could not be evaluated as a result of the dilution.
3363483019	HA-02 (0-2)	<b>S7</b>	This sample was analyzed at a dilution in the 8015 diesel range organics analysis due to the level of analyte detected. Reporting limits were adjusted accordingly.
3363483020	MW-06 (4-6)	<b>S8</b>	This sample was analyzed at a dilution in the 8015 diesel range organics analysis due to the level of analyte detected. Reporting limits were adjusted accordingly.
3363483024	SB-14 (6-8)	<b>S9</b>	This sample was analyzed at a dilution in the 8015 diesel range organics analysis due to the level of analyte detected. Reporting limits were adjusted accordingly. Surrogate recovery could not be evaluated as a result of the dilution.
3363483026	DUP6424	<b>S10</b>	This sample was analyzed at a dilution in the 8015 diesel range organics analysis due to the level of analyte detected. Reporting limits were adjusted accordingly.
3363483027	MW-03 (6-8)	<b>S11</b>	This sample was analyzed at a dilution in the 8015 diesel range organics analysis due to the level of analyte detected. Reporting limits were adjusted accordingly.
3363483029	SB-17 (6-8)	<b>S12</b>	This sample was analyzed at a dilution in the 8015 diesel range organics analysis due to the level of analyte detected. Reporting limits were adjusted accordingly.
3363483030	SB-17 (8-10)	<b>S13</b>	This sample was analyzed at a dilution in the 8015 diesel range organics analysis due to the level of analyte detected. Reporting limits were adjusted accordingly.
3363483031	SB-05 (0-2)	<b>S14</b>	This sample was analyzed at a dilution in the 8015 diesel range organics analysis due to the level of analyte detected. Reporting limits were adjusted accordingly.
3363483033	SB-18 (0-2)	<b>S15</b>	This sample was analyzed at a dilution in the 8015 diesel range organics analysis due to the level of analyte detected. Reporting limits were adjusted accordingly.
3363483045	MW-05 (6-8)	<b>S16</b>	This sample was analyzed at a dilution in the 8015 diesel range organics analysis due to the level of analyte detected. Reporting limits were adjusted accordingly.



### Result Notations

Notation Ref.	
E	Result reported exceeds instrument calibration
1	Analyte was analyzed past the 7 day holding time.
2	The QC sample type MS1 for method SW846 6010C was outside the control limits for the analyte Lead, Total. The % Recovery was reported as 53 and the control limits were 75 to 125.
3	The QC sample type MSD1 for method SW846 6010C was outside the control limits for the analyte Lead, Total. The RPD was reported as 26.8 and the upper control limit is 20.
4	This compound was recovered above the 20 percent 8260D criteria in the continuing calibration verification associated with this sample. The % difference was reported at 21.16%. Acceptable limits are +/-20%.
5	The QC sample type LCSD for method SW846 8260D was outside the control limits for the analyte Freon 113. The % Recovery was reported as 123 and the control limits were 40 to 109.
6	The QC sample type LCS for method SW846 8260D was outside the control limits for the analyte Freon 113. The % Recovery was reported as 123 and the control limits were 40 to 109.
7	The QC sample type LCSD for method SW846 8260D was outside the control limits for the analyte Freon 113. The % Recovery was reported as 119 and the control limits were 40 to 109.
8	The QC sample type LCS for method SW846 8260D was outside the control limits for the analyte Freon 113. The % Recovery was reported as 122 and the control limits were 40 to 109.
9	The QC sample type LCS for method SW846 8270E was outside the control limits for the analyte Acenaphthylene. The % Recovery was reported as 62.7 and the control limits were 63 to 106.
10	The QC sample type LCS for method SW846 8260D was outside the control limits for the analyte Freon 113. The % Recovery was reported as 125 and the control limits were 40 to 109.
11	The CCV recovery was -20.48%D (limits +/-20%D) for method SW846 8260D for the analyte Bromomethane.
12	The QC sample type LCS for method SW846 8270E SIM was outside the control limits for the analyte Benzo(g,h,i)perylene. The % Recovery was reported as 116 and the control limits were 46 to 112.





### Detected Results Summary

Client Sample ID	SB-09 (4-6)	Collected	06/03/2024 12:00
Lab Sample ID	3363483001	Lab Receipt	06/08/2024 08:37

Compound	Result	Units	RDL	MDL	Method	Flag
<b>GASOLINE RANGE ORGANICS</b>						
Gasoline Range Organics	300	mg/kg	12.7	2.2	SW846 8015D	#
<b>PETROLEUM HC's</b>						
Diesel Range Organics C10-C28	206	mg/kg	14.0	3.8	SW846 8015D	#
<b>SEMIVOLATILE SIM</b>						
1-Methylnaphthalene	0.50	mg/kg	0.0059	0.0011	SW846 8270E SIM	#
2-Methylnaphthalene	0.74	mg/kg	0.0059	0.0015	SW846 8270E SIM	#
Anthracene	0.022	mg/kg	0.0059	0.00095	SW846 8270E SIM	#
Fluorene	0.088	mg/kg	0.0059	0.0012	SW846 8270E SIM	#
Naphthalene	0.32	mg/kg	0.0059	0.0013	SW846 8270E SIM	#
Phenanthrene	0.21	mg/kg	0.0059	0.0013	SW846 8270E SIM	#
Pyrene	0.0083	mg/kg	0.0059	0.00095	SW846 8270E SIM	#
<b>SEMIVOLATILES</b>						
1-Methylnaphthalene	0.56	mg/kg	0.12	0.020	SW846 8270E	#
2-Methylnaphthalene	0.83	mg/kg	0.12	0.020	SW846 8270E	#
Fluorene	0.097	mg/kg	0.059	0.020	SW846 8270E	#
Naphthalene	0.31	mg/kg	0.059	0.020	SW846 8270E	#
Phenanthrene	0.23	mg/kg	0.059	0.020	SW846 8270E	#
<b>VOLATILE ORGANICS</b>						
1,2,4-Trimethylbenzene	25.1	mg/kg	0.64	0.16	SW846 8260D	#
1,3,5-Trimethylbenzene	3.7	mg/kg	0.064	0.013	SW846 8260D	#
Ethylbenzene	2.1	mg/kg	0.064	0.022	SW846 8260D	#
Isopropylbenzene	0.75	mg/kg	0.064	0.014	SW846 8260D	#
mp-Xylene	3.8	mg/kg	0.13	0.033	SW846 8260D	#
Naphthalene	5.1	mg/kg	0.13	0.022	SW846 8260D	#
n-Butylbenzene	1.7	mg/kg	0.13	0.038	SW846 8260D	#
n-Propylbenzene	3.0	mg/kg	0.064	0.021	SW846 8260D	#
Total Xylenes	3.8	mg/kg	0.19	0.042	SW846 8260D	#
<b>WET CHEMISTRY</b>						
Moisture	26.1	%	0.1	0.01	S2540G-11	#
Total Solids	73.9	%	0.1	0.01	S2540G-11	#

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**Detected Results Summary**

Client Sample ID SB-09 (10-12) Collected 06/03/2024 12:00  
 Lab Sample ID 3363483002 Lab Receipt 06/08/2024 08:37

Compound	Result	Units	RDL	MDL	Method	Flag
<b>GASOLINE RANGE ORGANICS</b>						
Gasoline Range Organics	5.9J	mg/kg	11.6	2.0	SW846 8015D	#
<b>PETROLEUM HC's</b>						
Diesel Range Organics C10-C28	45.5	mg/kg	13.5	3.7	SW846 8015D	#
<b>SEMIVOLATILE SIM</b>						
1-Methylnaphthalene	0.041	mg/kg	0.0057	0.0010	SW846 8270E SIM	#
2-Methylnaphthalene	0.034	mg/kg	0.0057	0.0015	SW846 8270E SIM	#
Benzo(a)anthracene	0.0064	mg/kg	0.0057	0.00092	SW846 8270E SIM	#
Benzo(a)pyrene	0.0052J	mg/kg	0.0057	0.00092	SW846 8270E SIM	#
Benzo(b)fluoranthene	0.0097	mg/kg	0.0057	0.00092	SW846 8270E SIM	#
Benzo(g,h,i)perylene	0.018	mg/kg	0.0057	0.0011	SW846 8270E SIM	#
Benzo(k)fluoranthene	0.0039J	mg/kg	0.0057	0.0010	SW846 8270E SIM	#
Chrysene	0.015	mg/kg	0.0057	0.0010	SW846 8270E SIM	#
Fluoranthene	0.0096	mg/kg	0.0057	0.0010	SW846 8270E SIM	#
Fluorene	0.0035J	mg/kg	0.0057	0.0011	SW846 8270E SIM	#
Indeno(1,2,3-cd)pyrene	0.0042J	mg/kg	0.0057	0.00092	SW846 8270E SIM	#
Naphthalene	0.013	mg/kg	0.0057	0.0013	SW846 8270E SIM	#
Phenanthrene	0.038	mg/kg	0.0057	0.0013	SW846 8270E SIM	#
Pyrene	0.014	mg/kg	0.0057	0.00092	SW846 8270E SIM	#
<b>SEMIVOLATILES</b>						
1-Methylnaphthalene	0.041J	mg/kg	0.11	0.020	SW846 8270E	#
2-Methylnaphthalene	0.036J	mg/kg	0.11	0.020	SW846 8270E	#
Phenanthrene	0.042J	mg/kg	0.057	0.020	SW846 8270E	#
<b>VOLATILE ORGANICS</b>						
2-Butanone	0.0045J	mg/kg	0.012	0.0039	SW846 8260D	#
Acetone	0.050	mg/kg	0.012	0.0056	SW846 8260D	#
Benzene	0.11	mg/kg	0.0024	0.00061	SW846 8260D	#
<b>WET CHEMISTRY</b>						
Moisture	22.2	%	0.1	0.01	S2540G-11	#
Total Solids	77.8	%	0.1	0.01	S2540G-11	#

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**Detected Results Summary**

Client Sample ID	DUP6324	Collected	06/03/2024 00:00
Lab Sample ID	3363483003	Lab Receipt	06/08/2024 08:37

Compound	Result	Units	RDL	MDL	Method	Flag
<b>GASOLINE RANGE ORGANICS</b>						
Gasoline Range Organics	90.2	mg/kg	12.1	2.1	SW846 8015D	#
<b>PETROLEUM HC's</b>						
Diesel Range Organics C10-C28	303	mg/kg	54.0	14.8	SW846 8015D	#
<b>SEMIVOLATILE SIM</b>						
1,4-Dioxane	0.0	mg/kg			SW846 8270E SIM	#
1-Methylnaphthalene	0.29	mg/kg			SW846 8270E SIM	#
2-Methylnaphthalene	0.45	mg/kg			SW846 8270E SIM	#
Acenaphthene	0.0	mg/kg			SW846 8270E SIM	#
Acenaphthylene	0.0	mg/kg			SW846 8270E SIM	#
Anthracene	0.013	mg/kg			SW846 8270E SIM	#
Benzo(a)anthracene	0.0	mg/kg			SW846 8270E SIM	#
Benzo(a)pyrene	0.0	mg/kg			SW846 8270E SIM	#
Benzo(b)fluoranthene	0.0	mg/kg			SW846 8270E SIM	#
Benzo(g,h,i)perylene	0.0036	mg/kg			SW846 8270E SIM	#
Benzo(k)fluoranthene	0.0	mg/kg			SW846 8270E SIM	#
Chrysene	0.0044	mg/kg			SW846 8270E SIM	#
Dibenzo(a,h)anthracene	0.0	mg/kg			SW846 8270E SIM	#
Fluoranthene	0.0	mg/kg			SW846 8270E SIM	#
Fluorene	0.051	mg/kg			SW846 8270E SIM	#
Indeno(1,2,3-cd)pyrene	0.0	mg/kg			SW846 8270E SIM	#
Naphthalene	0.23	mg/kg			SW846 8270E SIM	#
Phenanthrene	0.11	mg/kg			SW846 8270E SIM	#
Pyrene	0.0070	mg/kg			SW846 8270E SIM	#
<b>SEMIVOLATILES</b>						
1-Methylnaphthalene	0.33	mg/kg			SW846 8270E	#
2-Methylnaphthalene	0.52	mg/kg			SW846 8270E	#
Acenaphthene	0.0	mg/kg			SW846 8270E	#
Acenaphthylene	0.0	mg/kg			SW846 8270E	#
Anthracene	0.015	mg/kg			SW846 8270E	#
Benzo(a)anthracene	0.0	mg/kg			SW846 8270E	#
Benzo(a)pyrene	0.0	mg/kg			SW846 8270E	#
Benzo(b)fluoranthene	0.0	mg/kg			SW846 8270E	#
Benzo(g,h,i)perylene	0.0	mg/kg			SW846 8270E	#
Benzo(k)fluoranthene	0.0	mg/kg			SW846 8270E	#
Carbazole	0.0	mg/kg			SW846 8270E	#
Chrysene	0.0	mg/kg			SW846 8270E	#
Dibenzo(a,h)anthracene	0.0	mg/kg			SW846 8270E	#
Dibenzofuran	0.0	mg/kg			SW846 8270E	#
Fluoranthene	0.0	mg/kg			SW846 8270E	#
Fluorene	0.0	mg/kg			SW846 8270E	#
Indeno(1,2,3-cd)pyrene	0.0	mg/kg			SW846 8270E	#
Naphthalene	0.24	mg/kg			SW846 8270E	#
Phenanthrene	0.12	mg/kg			SW846 8270E	#
Pyrene	0.0	mg/kg			SW846 8270E	#

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**Detected Results Summary**

Sample - DUP6324 (cont.)

<u>Compound</u>	<u>Result</u>	<u>Units</u>	<u>RDL</u>	<u>MDL</u>	<u>Method</u>	<u>Flag</u>
<b>VOLATILE ORGANICS</b>						
1,2,4-Trimethylbenzene	5.9	mg/kg	0.061	0.015	SW846 8260D	#
1,3,5-Trimethylbenzene	0.90	mg/kg	0.061	0.012	SW846 8260D	#
Benzene	2.4	mg/kg	0.061	0.014	SW846 8260D	#
Ethylbenzene	1.7	mg/kg	0.061	0.021	SW846 8260D	#
Isopropylbenzene	0.28	mg/kg	0.061	0.013	SW846 8260D	#
mp-Xylene	2.3	mg/kg	0.12	0.032	SW846 8260D	#
Naphthalene	1.6	mg/kg	0.12	0.021	SW846 8260D	#
n-Butylbenzene	0.34	mg/kg	0.12	0.036	SW846 8260D	#
n-Propylbenzene	0.74	mg/kg	0.061	0.020	SW846 8260D	#
Toluene	0.079	mg/kg	0.061	0.014	SW846 8260D	#
Total Xylenes	2.3	mg/kg	0.18	0.040	SW846 8260D	#
<b>WET CHEMISTRY</b>						
Moisture	22.0	%	0.1	0.01	S2540G-11	#
Total Solids	78.0	%	0.1	0.01	S2540G-11	#

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### Detected Results Summary

Client Sample ID	HA-01 (0-2)	Collected	06/03/2024 12:15
Lab Sample ID	3363483004	Lab Receipt	06/08/2024 08:37

<u>Compound</u>	<u>Result</u>	<u>Units</u>	<u>RDL</u>	<u>MDL</u>	<u>Method</u>	<u>Flag</u>
<b>METALS</b>						
Lead, Total	80.4	mg/kg	2.2	0.72	SW846 6010C	#
<b>WET CHEMISTRY</b>						
Moisture	15.3	%	0.1	0.01	S2540G-11	#
Total Solids	84.7	%	0.1	0.01	S2540G-11	#

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**Detected Results Summary**

Client Sample ID MW-02 (6-8) Collected 06/03/2024 12:35  
 Lab Sample ID 3363483005 Lab Receipt 06/08/2024 08:37

Compound	Result	Units	RDL	MDL	Method	Flag
<b>GASOLINE RANGE ORGANICS</b>						
Gasoline Range Organics	229	mg/kg	12.4	2.1	SW846 8015D	#
<b>PETROLEUM HC's</b>						
Diesel Range Organics C10-C28	328	mg/kg	51.7	14.1	SW846 8015D	#
<b>SEMIVOLATILE SIM</b>						
1-Methylnaphthalene	2.3	mg/kg	0.0057	0.0010	SW846 8270E SIM	#
2-Methylnaphthalene	3.7	mg/kg	0.0057	0.0015	SW846 8270E SIM	#
Acenaphthene	0.16	mg/kg	0.0057	0.0010	SW846 8270E SIM	#
Anthracene	0.046	mg/kg	0.0057	0.00091	SW846 8270E SIM	#
Benzo(a)anthracene	0.0054J	mg/kg	0.0057	0.00091	SW846 8270E SIM	#
Benzo(b)fluoranthene	0.0078	mg/kg	0.0057	0.00091	SW846 8270E SIM	#
Benzo(g,h,i)perylene	0.0098	mg/kg	0.0057	0.0011	SW846 8270E SIM	#
Benzo(k)fluoranthene	0.0041J	mg/kg	0.0057	0.0010	SW846 8270E SIM	#
Chrysene	0.011	mg/kg	0.0057	0.0010	SW846 8270E SIM	#
Fluoranthene	0.014	mg/kg	0.0057	0.0010	SW846 8270E SIM	#
Fluorene	0.28	mg/kg	0.0057	0.0011	SW846 8270E SIM	#
Indeno(1,2,3-cd)pyrene	0.0032J	mg/kg	0.0057	0.00091	SW846 8270E SIM	#
Naphthalene	1.3	mg/kg	0.0057	0.0013	SW846 8270E SIM	#
Phenanthrene	0.68	mg/kg	0.0057	0.0013	SW846 8270E SIM	#
Pyrene	0.021	mg/kg	0.0057	0.00091	SW846 8270E SIM	#
<b>SEMIVOLATILES</b>						
1-Methylnaphthalene	2.9	mg/kg	0.11	0.019	SW846 8270E	#
2-Methylnaphthalene	5.0	mg/kg	0.11	0.019	SW846 8270E	#
Anthracene	0.054J	mg/kg	0.057	0.019	SW846 8270E	#
Dibenzofuran	0.16	mg/kg	0.11	0.019	SW846 8270E	#
Fluorene	0.33	mg/kg	0.057	0.019	SW846 8270E	#
Naphthalene	1.5	mg/kg	0.057	0.019	SW846 8270E	#
Phenanthrene	0.76	mg/kg	0.057	0.019	SW846 8270E	#
Pyrene	0.022J	mg/kg	0.057	0.019	SW846 8270E	#
<b>VOLATILE ORGANICS</b>						
1,2,4-Trimethylbenzene	3.4	mg/kg	0.062	0.016	SW846 8260D	#
1,3,5-Trimethylbenzene	0.83	mg/kg	0.062	0.012	SW846 8260D	#
Benzene	0.68	mg/kg	0.062	0.014	SW846 8260D	#
Ethylbenzene	0.61	mg/kg	0.062	0.021	SW846 8260D	#
Isopropylbenzene	0.67	mg/kg	0.062	0.014	SW846 8260D	#
mp-Xylene	1.1	mg/kg	0.12	0.032	SW846 8260D	#
Naphthalene	4.2	mg/kg	0.12	0.021	SW846 8260D	#
n-Butylbenzene	1.1	mg/kg	0.12	0.037	SW846 8260D	#
n-Propylbenzene	1.7	mg/kg	0.062	0.021	SW846 8260D	#
sec-Butylbenzene	0.45	mg/kg	0.062	0.019	SW846 8260D	#
Toluene	0.046J	mg/kg	0.062	0.014	SW846 8260D	#
Total Xylenes	1.1	mg/kg	0.19	0.041	SW846 8260D	#
<b>WET CHEMISTRY</b>						
Moisture	21.6	%	0.1	0.01	S2540G-11	#

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### Detected Results Summary

Sample - MW-02 (6-8) (cont.)

<u>Compound</u>	<u>Result</u>	<u>Units</u>	<u>RDL</u>	<u>MDL</u>	<u>Method</u>	<u>Flag</u>
<b>WET CHEMISTRY (cont.)</b>						
Total Solids	78.4	%	0.1	0.01	S25406-11	#

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### Detected Results Summary

Client Sample ID	MW-02 (10-12)	Collected	06/03/2024 12:35
Lab Sample ID	3363483006	Lab Receipt	06/08/2024 08:37

Compound	Result	Units	RDL	MDL	Method	Flag
<b>GASOLINE RANGE ORGANICS</b>						
Gasoline Range Organics	211	mg/kg	12.1	2.1	SW846 8015D	#
<b>PETROLEUM HC's</b>						
Diesel Range Organics C10-C28	714	mg/kg	123	33.5	SW846 8015D	#
<b>SEMIVOLATILE SIM</b>						
1-Methylnaphthalene	1.9	mg/kg	0.0057	0.0010	SW846 8270E SIM	#
2-Methylnaphthalene	2.9	mg/kg	0.0057	0.0015	SW846 8270E SIM	#
Acenaphthene	0.12	mg/kg	0.0057	0.0010	SW846 8270E SIM	#
Anthracene	0.071	mg/kg	0.0057	0.00091	SW846 8270E SIM	#
Benzo(a)anthracene	0.0059	mg/kg	0.0057	0.00091	SW846 8270E SIM	#
Benzo(a)pyrene	0.0057	mg/kg	0.0057	0.00091	SW846 8270E SIM	#
Benzo(b)fluoranthene	0.0096	mg/kg	0.0057	0.00091	SW846 8270E SIM	#
Benzo(g,h,i)perylene	0.016	mg/kg	0.0057	0.0011	SW846 8270E SIM	#
Benzo(k)fluoranthene	0.0048J	mg/kg	0.0057	0.0010	SW846 8270E SIM	#
Chrysene	0.015	mg/kg	0.0057	0.0010	SW846 8270E SIM	#
Fluoranthene	0.019	mg/kg	0.0057	0.0010	SW846 8270E SIM	#
Fluorene	0.26	mg/kg	0.0057	0.0011	SW846 8270E SIM	#
Indeno(1,2,3-cd)pyrene	0.0045J	mg/kg	0.0057	0.00091	SW846 8270E SIM	#
Naphthalene	1.5	mg/kg	0.0057	0.0012	SW846 8270E SIM	#
Phenanthrene	0.83	mg/kg	0.0057	0.0012	SW846 8270E SIM	#
Pyrene	0.039	mg/kg	0.0057	0.00091	SW846 8270E SIM	#
<b>SEMIVOLATILES</b>						
1-Methylnaphthalene	2.3	mg/kg	0.11	0.019	SW846 8270E	#
2-Methylnaphthalene	3.7	mg/kg	0.11	0.019	SW846 8270E	#
Anthracene	0.081	mg/kg	0.057	0.019	SW846 8270E	#
Dibenzofuran	0.14	mg/kg	0.11	0.019	SW846 8270E	#
Fluorene	0.31	mg/kg	0.057	0.019	SW846 8270E	#
Naphthalene	1.9	mg/kg	0.057	0.019	SW846 8270E	#
Phenanthrene	0.91	mg/kg	0.057	0.019	SW846 8270E	#
Pyrene	0.038J	mg/kg	0.057	0.019	SW846 8270E	#
<b>VOLATILE ORGANICS</b>						
1,2,4-Trimethylbenzene	0.73	mg/kg	0.061	0.015	SW846 8260D	#
1,2-Dichloroethane	0.048J	mg/kg	0.061	0.019	SW846 8260D	#
1,3,5-Trimethylbenzene	0.49	mg/kg	0.061	0.012	SW846 8260D	#
Benzene	4.8	mg/kg	0.061	0.014	SW846 8260D	#
Ethylbenzene	1.3	mg/kg	0.061	0.021	SW846 8260D	#
Isopropylbenzene	0.57	mg/kg	0.061	0.013	SW846 8260D	#
mp-Xylene	1.2	mg/kg	0.12	0.032	SW846 8260D	#
Naphthalene	4.8	mg/kg	0.12	0.021	SW846 8260D	#
n-Butylbenzene	1.0	mg/kg	0.12	0.036	SW846 8260D	#
n-Propylbenzene	1.5	mg/kg	0.061	0.020	SW846 8260D	#
p-Isopropyltoluene	0.53	mg/kg	0.061	0.019	SW846 8260D	#
sec-Butylbenzene	0.45	mg/kg	0.061	0.019	SW846 8260D	#
tert-Butylbenzene	0.076J	mg/kg	0.12	0.027	SW846 8260D	#
Toluene	0.12	mg/kg	0.061	0.014	SW846 8260D	#

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**Detected Results Summary**

Sample - MW-02 (10-12) (cont.)

<u>Compound</u>	<u>Result</u>	<u>Units</u>	<u>RDL</u>	<u>MDL</u>	<u>Method</u>	<u>Flag</u>
<b>VOLATILE ORGANICS (cont.)</b>						
Total Xylenes	1.2	mg/kg	0.18	0.040	SW846 8260D	#
<b>WET CHEMISTRY</b>						
Moisture	16.8	%	0.1	0.01	S2540G-11	#
Total Solids	83.2	%	0.1	0.01	S2540G-11	#

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**Detected Results Summary**

Client Sample ID SB-16 (8-10) Collected 06/03/2024 13:30  
 Lab Sample ID 3363483007 Lab Receipt 06/08/2024 08:37

Compound	Result	Units	RDL	MDL	Method	Flag
<b>GASOLINE RANGE ORGANICS</b>						
Gasoline Range Organics	294	mg/kg	54.0	9.2	SW846 8015D	#
<b>PETROLEUM HC's</b>						
Diesel Range Organics C10-C28	2150	mg/kg	229	62.5	SW846 8015D	#
<b>SEMIVOLATILE SIM</b>						
1-Methylnaphthalene	3.0	mg/kg	0.0052	0.00093	SW846 8270E SIM	#
2-Methylnaphthalene	4.0	mg/kg	0.0052	0.0013	SW846 8270E SIM	#
Acenaphthene	0.24	mg/kg	0.0052	0.00093	SW846 8270E SIM	#
Anthracene	0.16	mg/kg	0.0052	0.00083	SW846 8270E SIM	#
Benzo(a)anthracene	0.0058	mg/kg	0.0052	0.00083	SW846 8270E SIM	#
Benzo(a)pyrene	0.0051J	mg/kg	0.0052	0.00083	SW846 8270E SIM	#
Benzo(b)fluoranthene	0.0093	mg/kg	0.0052	0.00083	SW846 8270E SIM	#
Benzo(g,h,i)perylene	0.016	mg/kg	0.0052	0.0010	SW846 8270E SIM	#
Chrysene	0.015	mg/kg	0.0052	0.00093	SW846 8270E SIM	#
Fluorene	0.48	mg/kg	0.0052	0.0010	SW846 8270E SIM	#
Indeno(1,2,3-cd)pyrene	0.0042J	mg/kg	0.0052	0.00083	SW846 8270E SIM	#
Naphthalene	1.1	mg/kg	0.0052	0.0011	SW846 8270E SIM	#
Phenanthrene	1.8	mg/kg	0.0052	0.0011	SW846 8270E SIM	#
Pyrene	0.048	mg/kg	0.0052	0.00083	SW846 8270E SIM	#
<b>SEMIVOLATILES</b>						
1-Methylnaphthalene	4.1	mg/kg	0.10	0.018	SW846 8270E	#
2-Methylnaphthalene	6.0	mg/kg	0.10	0.018	SW846 8270E	#
Anthracene	0.19	mg/kg	0.052	0.018	SW846 8270E	#
Benzo(g,h,i)perylene	0.021J	mg/kg	0.052	0.018	SW846 8270E	#
Fluorene	0.79	mg/kg	0.052	0.018	SW846 8270E	#
Naphthalene	1.3	mg/kg	0.052	0.018	SW846 8270E	#
Phenanthrene	2.2	mg/kg	0.052	0.018	SW846 8270E	#
Pyrene	0.047J	mg/kg	0.052	0.018	SW846 8270E	#
<b>VOLATILE ORGANICS</b>						
1,2,4-Trimethylbenzene	0.96	mg/kg	0.054	0.013	SW846 8260D	#
1,3,5-Trimethylbenzene	0.83	mg/kg	0.054	0.011	SW846 8260D	#
Benzene	0.55	mg/kg	0.054	0.012	SW846 8260D	#
Ethylbenzene	0.65	mg/kg	0.054	0.018	SW846 8260D	#
Isopropylbenzene	0.69	mg/kg	0.054	0.012	SW846 8260D	#
mp-Xylene	0.94	mg/kg	0.11	0.028	SW846 8260D	#
Naphthalene	5.9	mg/kg	0.11	0.018	SW846 8260D	#
n-Butylbenzene	1.5	mg/kg	0.11	0.032	SW846 8260D	#
n-Propylbenzene	1.4	mg/kg	0.054	0.018	SW846 8260D	#
p-Isopropyltoluene	0.40	mg/kg	0.054	0.017	SW846 8260D	#
sec-Butylbenzene	0.55	mg/kg	0.054	0.017	SW846 8260D	#
tert-Butylbenzene	0.079J	mg/kg	0.11	0.024	SW846 8260D	#
Toluene	0.027J	mg/kg	0.054	0.012	SW846 8260D	#
Total Xylenes	0.94	mg/kg	0.16	0.036	SW846 8260D	#
<b>WET CHEMISTRY</b>						

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### Detected Results Summary

Sample - SB-16 (8-10) (cont.)

<u>Compound</u>	<u>Result</u>	<u>Units</u>	<u>RDL</u>	<u>MDL</u>	<u>Method</u>	<u>Flag</u>
<b>WET CHEMISTRY (cont.)</b>						
Moisture	10.2	%	0.1	0.01	S2540G-11	#
Total Solids	89.8	%	0.1	0.01	S2540G-11	#

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### Detected Results Summary

Client Sample ID	SB-16 (10-12)	Collected	06/03/2024 13:30
Lab Sample ID	3363483008	Lab Receipt	06/08/2024 08:37

Compound	Result	Units	RDL	MDL	Method	Flag
<b>GASOLINE RANGE ORGANICS</b>						
Gasoline Range Organics	155	mg/kg	56.9	9.7	SW846 8015D	#
<b>PETROLEUM HC's</b>						
Diesel Range Organics C10-C28	803	mg/kg	124	33.9	SW846 8015D	#
<b>SEMIVOLATILE SIM</b>						
1-Methylnaphthalene	2.6	mg/kg	0.0059	0.0011	SW846 8270E SIM	#
2-Methylnaphthalene	3.6	mg/kg	0.0059	0.0015	SW846 8270E SIM	#
Acenaphthene	0.20	mg/kg	0.0059	0.0011	SW846 8270E SIM	#
Anthracene	0.099	mg/kg	0.0059	0.00094	SW846 8270E SIM	#
Benzo(a)anthracene	0.0034J	mg/kg	0.0059	0.00094	SW846 8270E SIM	#
Benzo(a)pyrene	0.0026J	mg/kg	0.0059	0.00094	SW846 8270E SIM	#
Benzo(b)fluoranthene	0.0046J	mg/kg	0.0059	0.00094	SW846 8270E SIM	#
Benzo(g,h,i)perylene	0.0056J	mg/kg	0.0059	0.0012	SW846 8270E SIM	#
Benzo(k)fluoranthene	0.0030J	mg/kg	0.0059	0.0011	SW846 8270E SIM	#
Chrysene	0.0078	mg/kg	0.0059	0.0011	SW846 8270E SIM	#
Fluoranthene	0.016	mg/kg	0.0059	0.0011	SW846 8270E SIM	#
Fluorene	0.37	mg/kg	0.0059	0.0012	SW846 8270E SIM	#
Naphthalene	1.0	mg/kg	0.0059	0.0013	SW846 8270E SIM	#
Phenanthrene	1.2	mg/kg	0.0059	0.0013	SW846 8270E SIM	#
Pyrene	0.030	mg/kg	0.0059	0.00094	SW846 8270E SIM	#
<b>SEMIVOLATILES</b>						
1-Methylnaphthalene	3.6	mg/kg	0.12	0.020	SW846 8270E	#
2-Methylnaphthalene	5.3	mg/kg	0.12	0.020	SW846 8270E	#
Anthracene	0.11	mg/kg	0.059	0.020	SW846 8270E	#
Dibenzofuran	0.23	mg/kg	0.12	0.020	SW846 8270E	#
Fluorene	0.50	mg/kg	0.059	0.020	SW846 8270E	#
Naphthalene	1.2	mg/kg	0.059	0.020	SW846 8270E	#
Phenanthrene	1.3	mg/kg	0.059	0.020	SW846 8270E	#
Pyrene	0.023J	mg/kg	0.059	0.020	SW846 8270E	#
<b>VOLATILE ORGANICS</b>						
1,2,4-Trimethylbenzene	0.85	mg/kg	0.057	0.014	SW846 8260D	#
1,3,5-Trimethylbenzene	0.73	mg/kg	0.057	0.011	SW846 8260D	#
Benzene	0.62	mg/kg	0.057	0.013	SW846 8260D	#
Ethylbenzene	0.57	mg/kg	0.057	0.019	SW846 8260D	#
Isopropylbenzene	0.51	mg/kg	0.057	0.013	SW846 8260D	#
mp-Xylene	0.81	mg/kg	0.11	0.030	SW846 8260D	#
Naphthalene	4.8	mg/kg	0.11	0.019	SW846 8260D	#
n-Butylbenzene	1.2	mg/kg	0.11	0.034	SW846 8260D	#
n-Propylbenzene	1.1	mg/kg	0.057	0.019	SW846 8260D	#
p-Isopropyltoluene	0.35	mg/kg	0.057	0.018	SW846 8260D	#
sec-Butylbenzene	0.42	mg/kg	0.057	0.018	SW846 8260D	#
Toluene	0.030J	mg/kg	0.057	0.013	SW846 8260D	#
Total Xylenes	0.81	mg/kg	0.17	0.038	SW846 8260D	#
<b>WET CHEMISTRY</b>						



**Detected Results Summary**

Sample - SB-16 (10-12) (cont.)

<u>Compound</u>	<u>Result</u>	<u>Units</u>	<u>RDL</u>	<u>MDL</u>	<u>Method</u>	<u>Flag</u>
<b>WET CHEMISTRY (cont.)</b>						
Moisture	16.6	%	0.1	0.01	S2540G-11	#
Total Solids	83.4	%	0.1	0.01	S2540G-11	#

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### Detected Results Summary

Client Sample ID	SB-11 (4-6)	Collected	06/03/2024 14:15
Lab Sample ID	3363483009	Lab Receipt	06/08/2024 08:37

Compound	Result	Units	RDL	MDL	Method	Flag
<b>GASOLINE RANGE ORGANICS</b>						
Gasoline Range Organics	422	mg/kg	57.8	9.8	SW846 8015D	#
<b>PETROLEUM HC's</b>						
Diesel Range Organics C10-C28	3650	mg/kg	622	170	SW846 8015D	#
<b>SEMIVOLATILE SIM</b>						
1-Methylnaphthalene	0.22	mg/kg	0.0055	0.00099	SW846 8270E SIM	#
2-Methylnaphthalene	0.097	mg/kg	0.0055	0.0014	SW846 8270E SIM	#
Acenaphthene	0.12	mg/kg	0.0055	0.00099	SW846 8270E SIM	#
Acenaphthylene	0.056	mg/kg	0.0055	0.00099	SW846 8270E SIM	#
Anthracene	0.13	mg/kg	0.0055	0.00088	SW846 8270E SIM	#
Benzo(a)anthracene	0.0036J	mg/kg	0.0055	0.00088	SW846 8270E SIM	#
Chrysene	0.0053J	mg/kg	0.0055	0.00099	SW846 8270E SIM	#
Fluorene	0.28	mg/kg	0.0055	0.0011	SW846 8270E SIM	#
Naphthalene	0.042	mg/kg	0.0055	0.0012	SW846 8270E SIM	#
Phenanthrene	0.68	mg/kg	0.0055	0.0012	SW846 8270E SIM	#
Pyrene	0.039	mg/kg	0.0055	0.00088	SW846 8270E SIM	#
<b>SEMIVOLATILES</b>						
1-Methylnaphthalene	0.27	mg/kg	0.11	0.019	SW846 8270E	#
2-Methylnaphthalene	0.12	mg/kg	0.11	0.019	SW846 8270E	#
Anthracene	0.15	mg/kg	0.055	0.019	SW846 8270E	#
Fluorene	0.29	mg/kg	0.055	0.019	SW846 8270E	#
Phenanthrene	0.77	mg/kg	0.055	0.019	SW846 8270E	#
Pyrene	0.038J	mg/kg	0.055	0.019	SW846 8270E	#
<b>VOLATILE ORGANICS</b>						
1,3,5-Trimethylbenzene	0.13J	mg/kg	0.29	0.058	SW846 8260D	#
Isopropylbenzene	0.42	mg/kg	0.29	0.064	SW846 8260D	#
Naphthalene	3.7	mg/kg	0.58	0.098	SW846 8260D	#
n-Butylbenzene	2.0	mg/kg	0.58	0.17	SW846 8260D	#
n-Propylbenzene	1.2	mg/kg	0.29	0.095	SW846 8260D	#
sec-Butylbenzene	0.97	mg/kg	0.29	0.090	SW846 8260D	#
<b>WET CHEMISTRY</b>						
Moisture	15.8	%	0.1	0.01	S2540G-11	#
Total Solids	84.2	%	0.1	0.01	S2540G-11	#

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**Detected Results Summary**

Client Sample ID SB-11 (8-10) Collected 06/03/2024 14:15  
 Lab Sample ID 3363483010 Lab Receipt 06/08/2024 08:37

Compound	Result	Units	RDL	MDL	Method	Flag
<b>GASOLINE RANGE ORGANICS</b>						
Gasoline Range Organics	2.7J	mg/kg	10.7	1.8	SW846 8015D	#
<b>PETROLEUM HC's</b>						
Diesel Range Organics C10-C28	38.6	mg/kg	11.2	3.1	SW846 8015D	#
<b>SEMIVOLATILE SIM</b>						
1-Methylnaphthalene	0.24	mg/kg	0.0052	0.00094	SW846 8270E SIM	#
2-Methylnaphthalene	0.23	mg/kg	0.0052	0.0014	SW846 8270E SIM	#
Anthracene	0.0093	mg/kg	0.0052	0.00084	SW846 8270E SIM	#
Benzo(a)anthracene	0.0091	mg/kg	0.0052	0.00084	SW846 8270E SIM	#
Benzo(a)pyrene	0.0098	mg/kg	0.0052	0.00084	SW846 8270E SIM	#
Benzo(b)fluoranthene	0.021	mg/kg	0.0052	0.00084	SW846 8270E SIM	#
Benzo(g,h,i)perylene	0.034	mg/kg	0.0052	0.0010	SW846 8270E SIM	#
Benzo(k)fluoranthene	0.0091	mg/kg	0.0052	0.00094	SW846 8270E SIM	#
Chrysene	0.026	mg/kg	0.0052	0.00094	SW846 8270E SIM	#
Dibenzo(a,h)anthracene	0.0045J	mg/kg	0.0052	0.00073	SW846 8270E SIM	#
Fluoranthene	0.014	mg/kg	0.0052	0.00094	SW846 8270E SIM	#
Fluorene	0.029	mg/kg	0.0052	0.0010	SW846 8270E SIM	#
Indeno(1,2,3-cd)pyrene	0.0079	mg/kg	0.0052	0.00084	SW846 8270E SIM	#
Naphthalene	0.063	mg/kg	0.0052	0.0012	SW846 8270E SIM	#
Phenanthrene	0.14	mg/kg	0.0052	0.0012	SW846 8270E SIM	#
Pyrene	0.024	mg/kg	0.0052	0.00084	SW846 8270E SIM	#
<b>SEMIVOLATILES</b>						
1-Methylnaphthalene	0.24	mg/kg	0.10	0.018	SW846 8270E	#
2-Methylnaphthalene	0.22	mg/kg	0.10	0.018	SW846 8270E	#
Benzo(b)fluoranthene	0.028J	mg/kg	0.052	0.018	SW846 8270E	#
Benzo(g,h,i)perylene	0.040J	mg/kg	0.052	0.018	SW846 8270E	#
Dibenzofuran	0.032J	mg/kg	0.10	0.018	SW846 8270E	#
Fluorene	0.034J	mg/kg	0.052	0.018	SW846 8270E	#
Naphthalene	0.064	mg/kg	0.052	0.018	SW846 8270E	#
Phenanthrene	0.15	mg/kg	0.052	0.018	SW846 8270E	#
Pyrene	0.026J	mg/kg	0.052	0.018	SW846 8270E	#
<b>VOLATILE ORGANICS</b>						
Acetone	0.018	mg/kg	0.010	0.0047	SW846 8260D	#
Bromomethane	0.00093J	mg/kg	0.0020	0.00053	SW846 8260D	#
Methylene Chloride	0.0015J	mg/kg	0.0020	0.00080	SW846 8260D	#
Naphthalene	0.0010J	mg/kg	0.0020	0.00051	SW846 8260D	#
<b>WET CHEMISTRY</b>						
Moisture	9.9	%	0.1	0.01	S2540G-11	#
Total Solids	90.1	%	0.1	0.01	S2540G-11	#

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### Detected Results Summary

Client Sample ID	SB-15 (6-8)	Collected	06/03/2024 15:20
Lab Sample ID	3363483011	Lab Receipt	06/08/2024 08:37

Compound	Result	Units	RDL	MDL	Method	Flag
<b>GASOLINE RANGE ORGANICS</b>						
Gasoline Range Organics	60.6	mg/kg	11.0	1.9	SW846 8015D	#
<b>PETROLEUM HC's</b>						
Diesel Range Organics C10-C28	82.1	mg/kg	12.0	3.3	SW846 8015D	#
<b>SEMIVOLATILE SIM</b>						
1-Methylnaphthalene	0.51	mg/kg	0.0056	0.0010	SW846 8270E SIM	#
2-Methylnaphthalene	0.53	mg/kg	0.0056	0.0014	SW846 8270E SIM	#
Anthracene	0.015	mg/kg	0.0056	0.00089	SW846 8270E SIM	#
Benzo(a)anthracene	0.021	mg/kg	0.0056	0.00089	SW846 8270E SIM	#
Benzo(a)pyrene	0.019	mg/kg	0.0056	0.00089	SW846 8270E SIM	#
Benzo(b)fluoranthene	0.040	mg/kg	0.0056	0.00089	SW846 8270E SIM	#
Benzo(g,h,i)perylene	0.039	mg/kg	0.0056	0.0011	SW846 8270E SIM	#
Benzo(k)fluoranthene	0.023	mg/kg	0.0056	0.0010	SW846 8270E SIM	#
Chrysene	0.046	mg/kg	0.0056	0.0010	SW846 8270E SIM	#
Dibenzo(a,h)anthracene	0.0085	mg/kg	0.0056	0.00078	SW846 8270E SIM	#
Fluoranthene	0.034	mg/kg	0.0056	0.0010	SW846 8270E SIM	#
Fluorene	0.032	mg/kg	0.0056	0.0011	SW846 8270E SIM	#
Indeno(1,2,3-cd)pyrene	0.017	mg/kg	0.0056	0.00089	SW846 8270E SIM	#
Naphthalene	0.74	mg/kg	0.0056	0.0012	SW846 8270E SIM	#
Phenanthrene	0.25	mg/kg	0.0056	0.0012	SW846 8270E SIM	#
Pyrene	0.056	mg/kg	0.0056	0.00089	SW846 8270E SIM	#
<b>SEMIVOLATILES</b>						
1-Methylnaphthalene	0.55	mg/kg	0.11	0.019	SW846 8270E	#
2-Methylnaphthalene	0.60	mg/kg	0.11	0.019	SW846 8270E	#
Benzo(a)anthracene	0.026J	mg/kg	0.056	0.019	SW846 8270E	#
Benzo(a)pyrene	0.020J	mg/kg	0.056	0.019	SW846 8270E	#
Benzo(b)fluoranthene	0.052J	mg/kg	0.056	0.019	SW846 8270E	#
Benzo(g,h,i)perylene	0.036J	mg/kg	0.056	0.019	SW846 8270E	#
Benzo(k)fluoranthene	0.019J	mg/kg	0.056	0.019	SW846 8270E	#
Chrysene	0.050J	mg/kg	0.056	0.019	SW846 8270E	#
Dibenzofuran	0.070J	mg/kg	0.11	0.019	SW846 8270E	#
Fluoranthene	0.045J	mg/kg	0.056	0.019	SW846 8270E	#
Fluorene	0.023J	mg/kg	0.056	0.019	SW846 8270E	#
Naphthalene	0.84	mg/kg	0.056	0.019	SW846 8270E	#
Phenanthrene	0.26	mg/kg	0.056	0.019	SW846 8270E	#
Pyrene	0.055J	mg/kg	0.056	0.019	SW846 8270E	#
<b>VOLATILE ORGANICS</b>						
1,2,4-Trimethylbenzene	0.0048	mg/kg	0.0023	0.00058	SW846 8260D	#
1,3,5-Trimethylbenzene	0.0041	mg/kg	0.0023	0.00058	SW846 8260D	#
Acetone	0.016	mg/kg	0.012	0.0053	SW846 8260D	#
Benzene	0.011	mg/kg	0.0023	0.00058	SW846 8260D	#
Ethylbenzene	0.0042	mg/kg	0.0023	0.00078	SW846 8260D	#
Isopropylbenzene	0.0062	mg/kg	0.0023	0.00070	SW846 8260D	#
Methylene Chloride	0.0014J	mg/kg	0.0023	0.00090	SW846 8260D	#
mp-Xylene	0.0033J	mg/kg	0.0046	0.00095	SW846 8260D	#

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**Detected Results Summary**

Sample - SB-15 (6-8) (cont.)

<u>Compound</u>	<u>Result</u>	<u>Units</u>	<u>RDL</u>	<u>MDL</u>	<u>Method</u>	<u>Flag</u>
<b>VOLATILE ORGANICS (cont.)</b>						
Naphthalene	0.010	mg/kg	0.0023	0.00058	SW846 8260D	#
n-Butylbenzene	0.0025	mg/kg	0.0023	0.00058	SW846 8260D	#
n-Propylbenzene	0.0045	mg/kg	0.0023	0.00058	SW846 8260D	#
o-Xylene	0.0024	mg/kg	0.0023	0.00067	SW846 8260D	#
sec-Butylbenzene	0.0017J	mg/kg	0.0023	0.00058	SW846 8260D	#
tert-Butylbenzene	0.0010J	mg/kg	0.0023	0.00063	SW846 8260D	#
Toluene	0.0011J	mg/kg	0.0023	0.00077	SW846 8260D	#
Total Xylenes	0.0057J	mg/kg	0.0069	0.0016	SW846 8260D	#
<b>WET CHEMISTRY</b>						
Moisture	12.0	%	0.1	0.01	S2540G-11	#
Total Solids	88.0	%	0.1	0.01	S2540G-11	#

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**Detected Results Summary**

Client Sample ID SB-15 (16-18) Collected 06/03/2024 15:20  
 Lab Sample ID 3363483012 Lab Receipt 06/08/2024 08:37

Compound	Result	Units	RDL	MDL	Method	Flag
<b>GASOLINE RANGE ORGANICS</b>						
Gasoline Range Organics	2.0J	mg/kg	11.1	1.9	SW846 8015D	#
<b>PETROLEUM HC's</b>						
Diesel Range Organics C10-C28	65.8	mg/kg	11.6	3.2	SW846 8015D	#
<b>SEMIVOLATILE SIM</b>						
1-Methylnaphthalene	0.086	mg/kg	0.0053	0.00096	SW846 8270E SIM	#
2-Methylnaphthalene	0.060	mg/kg	0.0053	0.0014	SW846 8270E SIM	#
Anthracene	0.0055	mg/kg	0.0053	0.00085	SW846 8270E SIM	#
Benzo(a)anthracene	0.0097	mg/kg	0.0053	0.00085	SW846 8270E SIM	#
Benzo(a)pyrene	0.014	mg/kg	0.0053	0.00085	SW846 8270E SIM	#
Benzo(b)fluoranthene	0.023	mg/kg	0.0053	0.00085	SW846 8270E SIM	#
Benzo(g,h,i)perylene	0.044	mg/kg	0.0053	0.0011	SW846 8270E SIM	#
Benzo(k)fluoranthene	0.011	mg/kg	0.0053	0.00096	SW846 8270E SIM	#
Chrysene	0.026	mg/kg	0.0053	0.00096	SW846 8270E SIM	#
Dibenzo(a,h)anthracene	0.0053J	mg/kg	0.0053	0.00075	SW846 8270E SIM	#
Fluoranthene	0.019	mg/kg	0.0053	0.00096	SW846 8270E SIM	#
Fluorene	0.020	mg/kg	0.0053	0.0011	SW846 8270E SIM	#
Indeno(1,2,3-cd)pyrene	0.011	mg/kg	0.0053	0.00085	SW846 8270E SIM	#
Naphthalene	0.025	mg/kg	0.0053	0.0012	SW846 8270E SIM	#
Phenanthrene	0.11	mg/kg	0.0053	0.0012	SW846 8270E SIM	#
Pyrene	0.027	mg/kg	0.0053	0.00085	SW846 8270E SIM	#
<b>SEMIVOLATILES</b>						
1-Methylnaphthalene	0.085J	mg/kg	0.11	0.018	SW846 8270E	#
2-Methylnaphthalene	0.066J	mg/kg	0.11	0.018	SW846 8270E	#
Benzo(b)fluoranthene	0.028J	mg/kg	0.053	0.018	SW846 8270E	#
Benzo(g,h,i)perylene	0.055	mg/kg	0.053	0.018	SW846 8270E	#
Dibenzofuran	0.042J	mg/kg	0.11	0.018	SW846 8270E	#
Fluoranthene	0.025J	mg/kg	0.053	0.018	SW846 8270E	#
Naphthalene	0.025J	mg/kg	0.053	0.018	SW846 8270E	#
Phenanthrene	0.11	mg/kg	0.053	0.018	SW846 8270E	#
Pyrene	0.029J	mg/kg	0.053	0.018	SW846 8270E	#
<b>VOLATILE ORGANICS</b>						
Methylene Chloride	0.0014J	mg/kg	0.0025	0.00096	SW846 8260D	#
<b>WET CHEMISTRY</b>						
Moisture	13.1	%	0.1	0.01	S2540G-11	#
Total Solids	86.9	%	0.1	0.01	S2540G-11	#

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**Detected Results Summary**

Client Sample ID MW-05 (4-6) Collected 06/03/2024 16:05  
 Lab Sample ID 3363483013 Lab Receipt 06/08/2024 08:37

Compound	Result	Units	RDL	MDL	Method	Flag
<b>PETROLEUM HC's</b>						
Diesel Range Organics C10-C28	12.7	mg/kg	12.5	3.4	SW846 8015D	#
<b>SEMIVOLATILE SIM</b>						
1-Methylnaphthalene	0.035	mg/kg	0.0060	0.0011	SW846 8270E SIM	#
2-Methylnaphthalene	0.042	mg/kg	0.0060	0.0016	SW846 8270E SIM	#
Benzo(b)fluoranthene	0.0045J	mg/kg	0.0060	0.00096	SW846 8270E SIM	#
Benzo(g,h,i)perylene	0.0038J	mg/kg	0.0060	0.0012	SW846 8270E SIM	#
Chrysene	0.0051J	mg/kg	0.0060	0.0011	SW846 8270E SIM	#
Fluoranthene	0.0055J	mg/kg	0.0060	0.0011	SW846 8270E SIM	#
Naphthalene	0.029	mg/kg	0.0060	0.0013	SW846 8270E SIM	#
Phenanthrene	0.017	mg/kg	0.0060	0.0013	SW846 8270E SIM	#
Pyrene	0.0046J	mg/kg	0.0060	0.00096	SW846 8270E SIM	#
<b>SEMIVOLATILES</b>						
1-Methylnaphthalene	0.036J	mg/kg	0.12	0.020	SW846 8270E	#
2-Methylnaphthalene	0.041J	mg/kg	0.12	0.020	SW846 8270E	#
Naphthalene	0.030J	mg/kg	0.060	0.020	SW846 8270E	#
<b>VOLATILE ORGANICS</b>						
1,2,4-Trimethylbenzene	0.00082J	mg/kg	0.0023	0.00058	SW846 8260D	#
2-Butanone	0.0048J	mg/kg	0.012	0.0037	SW846 8260D	#
Acetone	0.046	mg/kg	0.012	0.0053	SW846 8260D	#
Methylene Chloride	0.0019J	mg/kg	0.0023	0.00090	SW846 8260D	#
sec-Butylbenzene	0.00069J	mg/kg	0.0023	0.00058	SW846 8260D	#
<b>WET CHEMISTRY</b>						
Moisture	18.3	%	0.1	0.01	S2540G-11	#
Total Solids	81.7	%	0.1	0.01	S2540G-11	#

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**Detected Results Summary**

Client Sample ID	SB-04 (2-4)	Collected	06/03/2024 16:40
Lab Sample ID	3363483014	Lab Receipt	06/08/2024 08:37

Compound	Result	Units	RDL	MDL	Method	Flag
<b>GASOLINE RANGE ORGANICS</b>						
Gasoline Range Organics	3.9J	mg/kg	12.3	2.1	SW846 8015D	#
<b>PETROLEUM HC's</b>						
Diesel Range Organics C10-C28	17.1	mg/kg	12.6	3.5	SW846 8015D	#
<b>SEMIVOLATILE SIM</b>						
1-Methylnaphthalene	0.013	mg/kg	0.0055	0.00099	SW846 8270E SIM	#
2-Methylnaphthalene	0.015	mg/kg	0.0055	0.0014	SW846 8270E SIM	#
Benzo(a)anthracene	0.0047J	mg/kg	0.0055	0.00088	SW846 8270E SIM	#
Benzo(a)pyrene	0.0046J	mg/kg	0.0055	0.00088	SW846 8270E SIM	#
Benzo(b)fluoranthene	0.0082	mg/kg	0.0055	0.00088	SW846 8270E SIM	#
Benzo(g,h,i)perylene	0.0074	mg/kg	0.0055	0.0011	SW846 8270E SIM	#
Benzo(k)fluoranthene	0.0063	mg/kg	0.0055	0.00099	SW846 8270E SIM	#
Chrysene	0.0083	mg/kg	0.0055	0.00099	SW846 8270E SIM	#
Fluoranthene	0.017	mg/kg	0.0055	0.00099	SW846 8270E SIM	#
Indeno(1,2,3-cd)pyrene	0.0065	mg/kg	0.0055	0.00088	SW846 8270E SIM	#
Naphthalene	0.012	mg/kg	0.0055	0.0012	SW846 8270E SIM	#
Phenanthrene	0.015	mg/kg	0.0055	0.0012	SW846 8270E SIM	#
Pyrene	0.013	mg/kg	0.0055	0.00088	SW846 8270E SIM	#
<b>SEMIVOLATILES</b>						
Fluoranthene	0.019J	mg/kg	0.055	0.019	SW846 8270E	#
<b>VOLATILE ORGANICS</b>						
2-Butanone	0.013	mg/kg	0.012	0.0038	SW846 8260D	#
Acetone	0.073	mg/kg	0.012	0.0054	SW846 8260D	#
Methylene Chloride	0.0022J	mg/kg	0.0023	0.00091	SW846 8260D	#
<b>WET CHEMISTRY</b>						
Moisture	18.9	%	0.1	0.01	S2540G-11	#
Total Solids	81.1	%	0.1	0.01	S2540G-11	#

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### Detected Results Summary

Client Sample ID	SB-04 (6-8)	Collected	06/03/2024 16:40
Lab Sample ID	3363483015	Lab Receipt	06/08/2024 08:37

Compound	Result	Units	RDL	MDL	Method	Flag
<b>GASOLINE RANGE ORGANICS</b>						
Gasoline Range Organics	6.6J	mg/kg	11.1	1.9	SW846 8015D	#
<b>PETROLEUM HC's</b>						
Diesel Range Organics C10-C28	165	mg/kg	12.4	3.4	SW846 8015D	#
<b>SEMIVOLATILE SIM</b>						
1-Methylnaphthalene	0.026	mg/kg	0.0055	0.00099	SW846 8270E SIM	#
2-Methylnaphthalene	0.014	mg/kg	0.0055	0.0014	SW846 8270E SIM	#
Acenaphthene	0.036	mg/kg	0.0055	0.00099	SW846 8270E SIM	#
Acenaphthylene	0.011	mg/kg	0.0055	0.00099	SW846 8270E SIM	#
Anthracene	0.035	mg/kg	0.0055	0.00088	SW846 8270E SIM	#
Fluorene	0.076	mg/kg	0.0055	0.0011	SW846 8270E SIM	#
Naphthalene	0.0068	mg/kg	0.0055	0.0012	SW846 8270E SIM	#
Phenanthrene	0.20	mg/kg	0.0055	0.0012	SW846 8270E SIM	#
Pyrene	0.010	mg/kg	0.0055	0.00088	SW846 8270E SIM	#
<b>SEMIVOLATILES</b>						
1-Methylnaphthalene	0.027J	mg/kg	0.11	0.019	SW846 8270E	#
Anthracene	0.030J	mg/kg	0.055	0.019	SW846 8270E	#
Fluorene	0.070	mg/kg	0.055	0.019	SW846 8270E	#
Phenanthrene	0.21	mg/kg	0.055	0.019	SW846 8270E	#
<b>VOLATILE ORGANICS</b>						
2-Butanone	0.0095J	mg/kg	0.011	0.0035	SW846 8260D	#
Acetone	0.047	mg/kg	0.011	0.0051	SW846 8260D	#
Isopropylbenzene	0.0010J	mg/kg	0.0022	0.00067	SW846 8260D	#
Methylene Chloride	0.0018J	mg/kg	0.0022	0.00086	SW846 8260D	#
n-Butylbenzene	0.0080	mg/kg	0.0022	0.00055	SW846 8260D	#
n-Propylbenzene	0.0022J	mg/kg	0.0022	0.00055	SW846 8260D	#
sec-Butylbenzene	0.0059	mg/kg	0.0022	0.00055	SW846 8260D	#
<b>WET CHEMISTRY</b>						
Moisture	17.5	%	0.1	0.01	S2540G-11	#
Total Solids	82.5	%	0.1	0.01	S2540G-11	#

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### Detected Results Summary

Client Sample ID	SB-13 (8-10)	Collected	06/04/2024 12:15
Lab Sample ID	3363483017	Lab Receipt	06/08/2024 08:37

Compound	Result	Units	RDL	MDL	Method	Flag
<b>GASOLINE RANGE ORGANICS</b>						
Gasoline Range Organics	1350	mg/kg	109	18.5	SW846 8015D	#
<b>SEMIVOLATILE SIM</b>						
1-Methylnaphthalene	0.85	mg/kg	0.0052	0.00093	SW846 8270E SIM	#
2-Methylnaphthalene	0.98	mg/kg	0.0052	0.0013	SW846 8270E SIM	#
Acenaphthene	0.13	mg/kg	0.0052	0.00093	SW846 8270E SIM	#
Anthracene	0.11	mg/kg	0.0052	0.00083	SW846 8270E SIM	#
Benzo(a)anthracene	0.0082	mg/kg	0.0052	0.00083	SW846 8270E SIM	#
Benzo(a)pyrene	0.0068	mg/kg	0.0052	0.00083	SW846 8270E SIM	#
Benzo(b)fluoranthene	0.012	mg/kg	0.0052	0.00083	SW846 8270E SIM	#
Benzo(g,h,i)perylene	0.018	mg/kg	0.0052	0.0010	SW846 8270E SIM	#
Benzo(k)fluoranthene	0.0063	mg/kg	0.0052	0.00093	SW846 8270E SIM	#
Chrysene	0.017	mg/kg	0.0052	0.00093	SW846 8270E SIM	#
Dibenzo(a,h)anthracene	0.0026J	mg/kg	0.0052	0.00072	SW846 8270E SIM	#
Fluoranthene	0.023	mg/kg	0.0052	0.00093	SW846 8270E SIM	#
Fluorene	0.39	mg/kg	0.0052	0.0010	SW846 8270E SIM	#
Indeno(1,2,3-cd)pyrene	0.0056	mg/kg	0.0052	0.00083	SW846 8270E SIM	#
Naphthalene	0.44	mg/kg	0.0052	0.0011	SW846 8270E SIM	#
Phenanthrene	1.3	mg/kg	0.0052	0.0011	SW846 8270E SIM	#
Pyrene	0.041	mg/kg	0.0052	0.00083	SW846 8270E SIM	#
<b>SEMIVOLATILES</b>						
1-Methylnaphthalene	1.1	mg/kg	0.10	0.018	SW846 8270E	#
2-Methylnaphthalene	1.2	mg/kg	0.10	0.018	SW846 8270E	#
Anthracene	0.085	mg/kg	0.052	0.018	SW846 8270E	#
Benzo(g,h,i)perylene	0.019J	mg/kg	0.052	0.018	SW846 8270E	#
Dibenzofuran	0.20	mg/kg	0.10	0.018	SW846 8270E	#
Naphthalene	0.48	mg/kg	0.052	0.018	SW846 8270E	#
Phenanthrene	1.4	mg/kg	0.052	0.018	SW846 8270E	#
Pyrene	0.048J	mg/kg	0.052	0.018	SW846 8270E	#
<b>VOLATILE ORGANICS</b>						
1,2,4-Trimethylbenzene	0.81	mg/kg	0.54	0.14	SW846 8260D	#
1,3,5-Trimethylbenzene	0.92	mg/kg	0.54	0.11	SW846 8260D	#
Ethylbenzene	4.5	mg/kg	0.54	0.18	SW846 8260D	#
Isopropylbenzene	3.6	mg/kg	0.54	0.12	SW846 8260D	#
mp-Xylene	1.2	mg/kg	1.1	0.28	SW846 8260D	#
Naphthalene	8.2	mg/kg	1.1	0.18	SW846 8260D	#
n-Butylbenzene	4.5	mg/kg	1.1	0.33	SW846 8260D	#
n-Propylbenzene	6.4	mg/kg	0.54	0.18	SW846 8260D	#
p-Isopropyltoluene	2.6	mg/kg	0.54	0.17	SW846 8260D	#
sec-Butylbenzene	2.1	mg/kg	0.54	0.17	SW846 8260D	#
Total Xylenes	1.2J	mg/kg	1.6	0.36	SW846 8260D	#
<b>WET CHEMISTRY</b>						
Moisture	13.5	%	0.1	0.01	S2540G-11	#
Total Solids	86.5	%	0.1	0.01	S2540G-11	#

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**Detected Results Summary**

Client Sample ID SB-13 (10-12) Collected 06/04/2024 12:15  
 Lab Sample ID 3363483018 Lab Receipt 06/08/2024 08:37

Compound	Result	Units	RDL	MDL	Method	Flag
<b>GASOLINE RANGE ORGANICS</b>						
Gasoline Range Organics	3.0J	mg/kg	11.3	1.9	SW846 8015D	#
<b>SEMIVOLATILE SIM</b>						
1-Methylnaphthalene	0.16	mg/kg	0.0054	0.00097	SW846 8270E SIM	#
2-Methylnaphthalene	0.20	mg/kg	0.0054	0.0014	SW846 8270E SIM	#
Anthracene	0.0059	mg/kg	0.0054	0.00086	SW846 8270E SIM	#
Benzo(a)anthracene	0.010	mg/kg	0.0054	0.00086	SW846 8270E SIM	#
Benzo(a)pyrene	0.012	mg/kg	0.0054	0.00086	SW846 8270E SIM	#
Benzo(b)fluoranthene	0.023	mg/kg	0.0054	0.00086	SW846 8270E SIM	#
Benzo(g,h,i)perylene	0.044	mg/kg	0.0054	0.0011	SW846 8270E SIM	#
Benzo(k)fluoranthene	0.0083	mg/kg	0.0054	0.00097	SW846 8270E SIM	#
Chrysene	0.029	mg/kg	0.0054	0.00097	SW846 8270E SIM	#
Dibenzo(a,h)anthracene	0.0053J	mg/kg	0.0054	0.00076	SW846 8270E SIM	#
Fluoranthene	0.021	mg/kg	0.0054	0.00097	SW846 8270E SIM	#
Fluorene	0.019	mg/kg	0.0054	0.0011	SW846 8270E SIM	#
Indeno(1,2,3-cd)pyrene	0.0097	mg/kg	0.0054	0.00086	SW846 8270E SIM	#
Naphthalene	0.066	mg/kg	0.0054	0.0012	SW846 8270E SIM	#
Phenanthrene	0.11	mg/kg	0.0054	0.0012	SW846 8270E SIM	#
Pyrene	0.037	mg/kg	0.0054	0.00086	SW846 8270E SIM	#
<b>SEMIVOLATILES</b>						
1-Methylnaphthalene	0.17	mg/kg	0.11	0.018	SW846 8270E	#
2-Methylnaphthalene	0.22	mg/kg	0.11	0.018	SW846 8270E	#
Benzo(b)fluoranthene	0.026J	mg/kg	0.054	0.018	SW846 8270E	#
Benzo(g,h,i)perylene	0.051J	mg/kg	0.054	0.018	SW846 8270E	#
Chrysene	0.020J	mg/kg	0.054	0.018	SW846 8270E	#
Dibenzofuran	0.040J	mg/kg	0.11	0.018	SW846 8270E	#
Fluoranthene	0.024J	mg/kg	0.054	0.018	SW846 8270E	#
Fluorene	0.021J	mg/kg	0.054	0.018	SW846 8270E	#
Naphthalene	0.072	mg/kg	0.054	0.018	SW846 8270E	#
Phenanthrene	0.11	mg/kg	0.054	0.018	SW846 8270E	#
Pyrene	0.040J	mg/kg	0.054	0.018	SW846 8270E	#
<b>VOLATILE ORGANICS</b>						
1,2-Dichloroethane	0.0025	mg/kg	0.0022	0.00056	SW846 8260D	#
Acetone	0.015	mg/kg	0.011	0.0052	SW846 8260D	#
Benzene	0.00079J	mg/kg	0.0022	0.00056	SW846 8260D	#
Bromomethane	0.00087J	mg/kg	0.0022	0.00058	SW846 8260D	#
Methylene Chloride	0.0023	mg/kg	0.0022	0.00087	SW846 8260D	#
Naphthalene	0.0016J	mg/kg	0.0022	0.00056	SW846 8260D	#
<b>WET CHEMISTRY</b>						
Moisture	11.0	%	0.1	0.01	S2540G-11	#
Total Solids	89.0	%	0.1	0.01	S2540G-11	#

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### Detected Results Summary

Client Sample ID	HA-02 (0-2)	Collected	06/04/2024 13:10
Lab Sample ID	3363483019	Lab Receipt	06/08/2024 08:37

Compound	Result	Units	RDL	MDL	Method	Flag
<b>PETROLEUM HC's</b>						
Diesel Range Organics C10-C28	352	mg/kg	54.5	14.9	SW846 8015D	#
<b>WET CHEMISTRY</b>						
Moisture	23.2	%	0.1	0.01	S2540G-11	#
Total Solids	76.8	%	0.1	0.01	S2540G-11	#

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### Detected Results Summary

Client Sample ID	MW-06 (4-6)	Collected	06/04/2024 13:55
Lab Sample ID	3363483020	Lab Receipt	06/08/2024 08:37

Compound	Result	Units	RDL	MDL	Method	Flag
<b>GASOLINE RANGE ORGANICS</b>						
Gasoline Range Organics	359	mg/kg	11.5	2.0	SW846 8015D	#
<b>PETROLEUM HC's</b>						
Diesel Range Organics C10-C28	614	mg/kg	60.4	16.5	SW846 8015D	#
<b>SEMIVOLATILE SIM</b>						
1-Methylnaphthalene	0.57	mg/kg	0.0059	0.0011	SW846 8270E SIM	#
2-Methylnaphthalene	0.47	mg/kg	0.0059	0.0015	SW846 8270E SIM	#
Acenaphthene	0.060	mg/kg	0.0059	0.0011	SW846 8270E SIM	#
Anthracene	0.044	mg/kg	0.0059	0.00094	SW846 8270E SIM	#
Benzo(a)anthracene	0.0050J	mg/kg	0.0059	0.00094	SW846 8270E SIM	#
Benzo(a)pyrene	0.0037J	mg/kg	0.0059	0.00094	SW846 8270E SIM	#
Benzo(b)fluoranthene	0.0066	mg/kg	0.0059	0.00094	SW846 8270E SIM	#
Benzo(g,h,i)perylene	0.0057J	mg/kg	0.0059	0.0012	SW846 8270E SIM	#
Benzo(k)fluoranthene	0.0046J	mg/kg	0.0059	0.0011	SW846 8270E SIM	#
Chrysene	0.0097	mg/kg	0.0059	0.0011	SW846 8270E SIM	#
Fluorene	0.15	mg/kg	0.0059	0.0012	SW846 8270E SIM	#
Indeno(1,2,3-cd)pyrene	0.0038J	mg/kg	0.0059	0.00094	SW846 8270E SIM	#
Naphthalene	0.24	mg/kg	0.0059	0.0013	SW846 8270E SIM	#
Phenanthrene	0.48	mg/kg	0.0059	0.0013	SW846 8270E SIM	#
Pyrene	0.028	mg/kg	0.0059	0.00094	SW846 8270E SIM	#
<b>SEMIVOLATILES</b>						
1-Methylnaphthalene	0.64	mg/kg	0.12	0.020	SW846 8270E	#
2-Methylnaphthalene	0.51	mg/kg	0.12	0.020	SW846 8270E	#
Anthracene	0.036J	mg/kg	0.059	0.020	SW846 8270E	#
Dibenzofuran	0.11J	mg/kg	0.12	0.020	SW846 8270E	#
Naphthalene	0.25	mg/kg	0.059	0.020	SW846 8270E	#
Phenanthrene	0.53	mg/kg	0.059	0.020	SW846 8270E	#
Pyrene	0.033J	mg/kg	0.059	0.020	SW846 8270E	#
<b>VOLATILE ORGANICS</b>						
1,2,4-Trimethylbenzene	0.21	mg/kg	0.058	0.014	SW846 8260D	#
1,3,5-Trimethylbenzene	0.084	mg/kg	0.058	0.012	SW846 8260D	#
Ethylbenzene	0.41	mg/kg	0.058	0.020	SW846 8260D	#
Isopropylbenzene	0.31	mg/kg	0.058	0.013	SW846 8260D	#
mp-Xylene	0.11J	mg/kg	0.12	0.030	SW846 8260D	#
Naphthalene	2.1	mg/kg	0.12	0.020	SW846 8260D	#
n-Butylbenzene	0.45	mg/kg	0.12	0.035	SW846 8260D	#
n-Propylbenzene	0.74	mg/kg	0.058	0.019	SW846 8260D	#
p-Isopropyltoluene	0.28	mg/kg	0.058	0.018	SW846 8260D	#
sec-Butylbenzene	0.26	mg/kg	0.058	0.018	SW846 8260D	#
Total Xylenes	0.11J	mg/kg	0.17	0.038	SW846 8260D	#
<b>WET CHEMISTRY</b>						
Moisture	16.7	%	0.1	0.01	S2540G-11	#
Total Solids	83.3	%	0.1	0.01	S2540G-11	#



**Detected Results Summary**

Client Sample ID MW-06 (10-12) Collected 06/04/2024 13:55  
 Lab Sample ID 3363483021 Lab Receipt 06/08/2024 08:37

Compound	Result	Units	RDL	MDL	Method	Flag
<b>PETROLEUM HC's</b>						
Diesel Range Organics C10-C28	26.4	mg/kg	11.9	3.3	SW846 8015D	#
<b>SEMIVOLATILE SIM</b>						
1-Methylnaphthalene	0.087	mg/kg	0.0053	0.00095	SW846 8270E SIM	#
2-Methylnaphthalene	0.066	mg/kg	0.0053	0.0014	SW846 8270E SIM	#
Anthracene	0.0024J	mg/kg	0.0053	0.00084	SW846 8270E SIM	#
Benzo(a)anthracene	0.0088	mg/kg	0.0053	0.00084	SW846 8270E SIM	#
Benzo(a)pyrene	0.011	mg/kg	0.0053	0.00084	SW846 8270E SIM	#
Benzo(b)fluoranthene	0.018	mg/kg	0.0053	0.00084	SW846 8270E SIM	#
Benzo(g,h,i)perylene	0.037	mg/kg	0.0053	0.0011	SW846 8270E SIM	#
Benzo(k)fluoranthene	0.0079	mg/kg	0.0053	0.00095	SW846 8270E SIM	#
Chrysene	0.025	mg/kg	0.0053	0.00095	SW846 8270E SIM	#
Dibenzo(a,h)anthracene	0.0046J	mg/kg	0.0053	0.00074	SW846 8270E SIM	#
Fluoranthene	0.016	mg/kg	0.0053	0.00095	SW846 8270E SIM	#
Fluorene	0.0086	mg/kg	0.0053	0.0011	SW846 8270E SIM	#
Indeno(1,2,3-cd)pyrene	0.0078	mg/kg	0.0053	0.00084	SW846 8270E SIM	#
Naphthalene	0.026	mg/kg	0.0053	0.0012	SW846 8270E SIM	#
Phenanthrene	0.084	mg/kg	0.0053	0.0012	SW846 8270E SIM	#
Pyrene	0.025	mg/kg	0.0053	0.00084	SW846 8270E SIM	#
<b>SEMIVOLATILES</b>						
1-Methylnaphthalene	0.091J	mg/kg	0.11	0.018	SW846 8270E	#
2-Methylnaphthalene	0.070J	mg/kg	0.11	0.018	SW846 8270E	#
Benzo(b)fluoranthene	0.021J	mg/kg	0.053	0.018	SW846 8270E	#
Benzo(g,h,i)perylene	0.047J	mg/kg	0.053	0.018	SW846 8270E	#
Chrysene	0.030J	mg/kg	0.053	0.018	SW846 8270E	#
Dibenzofuran	0.027J	mg/kg	0.11	0.018	SW846 8270E	#
Fluoranthene	0.019J	mg/kg	0.053	0.018	SW846 8270E	#
Naphthalene	0.025J	mg/kg	0.053	0.018	SW846 8270E	#
Phenanthrene	0.090	mg/kg	0.053	0.018	SW846 8270E	#
Pyrene	0.028J	mg/kg	0.053	0.018	SW846 8270E	#
<b>VOLATILE ORGANICS</b>						
Acetone	0.0089J	mg/kg	0.012	0.0057	SW846 8260D	#
Benzene	0.00074J	mg/kg	0.0025	0.00062	SW846 8260D	#
Carbon Disulfide	0.0011J	mg/kg	0.0025	0.00078	SW846 8260D	#
Methylene Chloride	0.0058	mg/kg	0.0025	0.00096	SW846 8260D	#
<b>WET CHEMISTRY</b>						
Moisture	13.7	%	0.1	0.01	S25406-11	#
Total Solids	86.3	%	0.1	0.01	S25406-11	#

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**Detected Results Summary**

Client Sample ID MW-04 (6-8) Collected 06/04/2024 14:35  
 Lab Sample ID 3363483022 Lab Receipt 06/08/2024 08:37

Compound	Result	Units	RDL	MDL	Method	Flag
<b>GASOLINE RANGE ORGANICS</b>						
Gasoline Range Organics	12.9	mg/kg	12.6	2.1	SW846 8015D	#
<b>PETROLEUM HC's</b>						
Diesel Range Organics C10-C28	24.3	mg/kg	12.9	3.5	SW846 8015D	#
<b>SEMIVOLATILE SIM</b>						
1-Methylnaphthalene	0.035	mg/kg	0.0060	0.0011	SW846 8270E SIM	#
2-Methylnaphthalene	0.0071	mg/kg	0.0060	0.0015	SW846 8270E SIM	#
Acenaphthene	0.018	mg/kg	0.0060	0.0011	SW846 8270E SIM	#
Anthracene	0.0030J	mg/kg	0.0060	0.00095	SW846 8270E SIM	#
Fluorene	0.036	mg/kg	0.0060	0.0012	SW846 8270E SIM	#
Naphthalene	0.013	mg/kg	0.0060	0.0013	SW846 8270E SIM	#
Phenanthrene	0.028	mg/kg	0.0060	0.0013	SW846 8270E SIM	#
<b>SEMIVOLATILES</b>						
1-Methylnaphthalene	0.034J	mg/kg	0.060	0.020	SW846 8270E	#
Acenaphthene	0.021J	mg/kg	0.060	0.020	SW846 8270E	#
Fluorene	0.032J	mg/kg	0.060	0.020	SW846 8270E	#
Phenanthrene	0.027J	mg/kg	0.060	0.020	SW846 8270E	#
<b>VOLATILE ORGANICS</b>						
2-Butanone	0.0061J	mg/kg	0.014	0.0044	SW846 8260D	#
Acetone	0.042	mg/kg	0.014	0.0063	SW846 8260D	#
Benzene	0.0010J	mg/kg	0.0028	0.00069	SW846 8260D	#
Isopropylbenzene	0.0016J	mg/kg	0.0028	0.00084	SW846 8260D	#
Methylene Chloride	0.0015J	mg/kg	0.0028	0.0011	SW846 8260D	#
Naphthalene	0.017	mg/kg	0.0028	0.00069	SW846 8260D	#
n-Propylbenzene	0.0042	mg/kg	0.0028	0.00069	SW846 8260D	#
sec-Butylbenzene	0.0057	mg/kg	0.0028	0.00069	SW846 8260D	#
<b>WET CHEMISTRY</b>						
Moisture	20.7	%	0.1	0.01	S2540G-11	#
Total Solids	79.3	%	0.1	0.01	S2540G-11	#

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### Detected Results Summary

Client Sample ID	MW-04 (10-12)	Collected	06/04/2024 14:35
Lab Sample ID	3363483023	Lab Receipt	06/08/2024 08:37

Compound	Result	Units	RDL	MDL	Method	Flag
<b>GASOLINE RANGE ORGANICS</b>						
Gasoline Range Organics	4.8J	mg/kg	11.6	2.0	SW846 8015D	#
<b>PETROLEUM HC's</b>						
Diesel Range Organics C10-C28	27.0	mg/kg	12.0	3.3	SW846 8015D	#
<b>SEMIVOLATILE SIM</b>						
1-Methylnaphthalene	0.12	mg/kg	0.0050	0.00091	SW846 8270E SIM	#
2-Methylnaphthalene	0.094	mg/kg	0.0050	0.0013	SW846 8270E SIM	#
Benzo(a)anthracene	0.010	mg/kg	0.0050	0.00081	SW846 8270E SIM	#
Benzo(a)pyrene	0.011	mg/kg	0.0050	0.00081	SW846 8270E SIM	#
Benzo(b)fluoranthene	0.019	mg/kg	0.0050	0.00081	SW846 8270E SIM	#
Benzo(g,h,i)perylene	0.040	mg/kg	0.0050	0.0010	SW846 8270E SIM	#
Chrysene	0.027	mg/kg	0.0050	0.00091	SW846 8270E SIM	#
Dibenzo(a,h)anthracene	0.0057	mg/kg	0.0050	0.00071	SW846 8270E SIM	#
Fluoranthene	0.016	mg/kg	0.0050	0.00091	SW846 8270E SIM	#
Fluorene	0.0040J	mg/kg	0.0050	0.0010	SW846 8270E SIM	#
Indeno(1,2,3-cd)pyrene	0.0094	mg/kg	0.0050	0.00081	SW846 8270E SIM	#
Naphthalene	0.040	mg/kg	0.0050	0.0011	SW846 8270E SIM	#
Phenanthrene	0.087	mg/kg	0.0050	0.0011	SW846 8270E SIM	#
Pyrene	0.030	mg/kg	0.0050	0.00081	SW846 8270E SIM	#
<b>SEMIVOLATILES</b>						
1-Methylnaphthalene	0.10J	mg/kg	0.10	0.017	SW846 8270E	#
2-Methylnaphthalene	0.086J	mg/kg	0.10	0.017	SW846 8270E	#
Benzo(b)fluoranthene	0.020J	mg/kg	0.050	0.017	SW846 8270E	#
Benzo(g,h,i)perylene	0.036J	mg/kg	0.050	0.017	SW846 8270E	#
Chrysene	0.028J	mg/kg	0.050	0.017	SW846 8270E	#
Dibenzofuran	0.020J	mg/kg	0.10	0.017	SW846 8270E	#
Naphthalene	0.037J	mg/kg	0.050	0.017	SW846 8270E	#
Phenanthrene	0.081	mg/kg	0.050	0.017	SW846 8270E	#
Pyrene	0.025J	mg/kg	0.050	0.017	SW846 8270E	#
<b>VOLATILE ORGANICS</b>						
1,2-Dichloroethane	0.0065	mg/kg	0.0024	0.00060	SW846 8260D	#
Acetone	0.0078J	mg/kg	0.012	0.0055	SW846 8260D	#
Benzene	0.012	mg/kg	0.0024	0.00060	SW846 8260D	#
Methylene Chloride	0.0041	mg/kg	0.0024	0.00094	SW846 8260D	#
<b>WET CHEMISTRY</b>						
Moisture	13.0	%	0.1	0.01	S2540G-11	#
Total Solids	87.0	%	0.1	0.01	S2540G-11	#

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**Detected Results Summary**

Client Sample ID SB-14 (6-8) Collected 06/04/2024 15:05  
 Lab Sample ID 3363483024 Lab Receipt 06/08/2024 08:37

Compound	Result	Units	RDL	MDL	Method	Flag
<b>GASOLINE RANGE ORGANICS</b>						
Gasoline Range Organics	441	mg/kg	221	37.6	SW846 8015D	#
<b>PETROLEUM HC's</b>						
Diesel Range Organics C10-C28	1910	mg/kg	250	68.5	SW846 8015D	#
<b>SEMIVOLATILE SIM</b>						
1-Methylnaphthalene	1.9	mg/kg	0.0056	0.0010	SW846 8270E SIM	#
2-Methylnaphthalene	2.4	mg/kg	0.0056	0.0015	SW846 8270E SIM	#
Acenaphthene	0.24	mg/kg	0.0056	0.0010	SW846 8270E SIM	#
Anthracene	0.19	mg/kg	0.0056	0.00090	SW846 8270E SIM	#
Benzo(a)anthracene	0.0042J	mg/kg	0.0056	0.00090	SW846 8270E SIM	#
Benzo(g,h,i)perylene	0.0044J	mg/kg	0.0056	0.0011	SW846 8270E SIM	#
Chrysene	0.0091	mg/kg	0.0056	0.0010	SW846 8270E SIM	#
Fluoranthene	0.026	mg/kg	0.0056	0.0010	SW846 8270E SIM	#
Fluorene	0.60	mg/kg	0.0056	0.0011	SW846 8270E SIM	#
Naphthalene	0.44	mg/kg	0.0056	0.0012	SW846 8270E SIM	#
Phenanthrene	2.6	mg/kg	0.0056	0.0012	SW846 8270E SIM	#
Pyrene	0.048	mg/kg	0.0056	0.00090	SW846 8270E SIM	#
<b>SEMIVOLATILES</b>						
1-Methylnaphthalene	2.6	mg/kg	0.11	0.019	SW846 8270E	#
2-Methylnaphthalene	3.4	mg/kg	0.11	0.019	SW846 8270E	#
Anthracene	0.25	mg/kg	0.056	0.019	SW846 8270E	#
Dibenzofuran	0.50	mg/kg	0.11	0.019	SW846 8270E	#
Naphthalene	0.46	mg/kg	0.056	0.019	SW846 8270E	#
Phenanthrene	3.1	mg/kg	0.056	0.019	SW846 8270E	#
Pyrene	0.060	mg/kg	0.056	0.019	SW846 8270E	#
<b>VOLATILE ORGANICS</b>						
Ethylbenzene	1.0	mg/kg	0.28	0.094	SW846 8260D	#
Isopropylbenzene	1.3	mg/kg	0.28	0.061	SW846 8260D	#
mp-Xylene	0.24J	mg/kg	0.55	0.14	SW846 8260D	#
Naphthalene	4.3	mg/kg	0.55	0.094	SW846 8260D	#
n-Butylbenzene	1.7	mg/kg	0.55	0.17	SW846 8260D	#
n-Propylbenzene	2.6	mg/kg	0.28	0.091	SW846 8260D	#
p-Isopropyltoluene	0.95	mg/kg	0.28	0.088	SW846 8260D	#
sec-Butylbenzene	0.91	mg/kg	0.28	0.086	SW846 8260D	#
Total Xylenes	0.24J	mg/kg	0.83	0.18	SW846 8260D	#
<b>WET CHEMISTRY</b>						
Moisture	15.9	%	0.1	0.01	S2540G-11	#
Total Solids	84.1	%	0.1	0.01	S2540G-11	#

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### Detected Results Summary

Client Sample ID	SB-14 (10-12)	Collected	06/04/2024 15:05
Lab Sample ID	3363483025	Lab Receipt	06/08/2024 08:37

Compound	Result	Units	RDL	MDL	Method	Flag
<b>GASOLINE RANGE ORGANICS</b>						
Gasoline Range Organics	4.2J	mg/kg	12.1	2.1	SW846 8015D	#
<b>PETROLEUM HC's</b>						
Diesel Range Organics C10-C28	30.6	mg/kg	11.5	3.1	SW846 8015D	#
<b>SEMIVOLATILE SIM</b>						
1-Methylnaphthalene	0.12	mg/kg	0.0051	0.00092	SW846 8270E SIM	#
2-Methylnaphthalene	0.10	mg/kg	0.0051	0.0013	SW846 8270E SIM	#
Anthracene	0.0028J	mg/kg	0.0051	0.00082	SW846 8270E SIM	#
Benzo(a)anthracene	0.014	mg/kg	0.0051	0.00082	SW846 8270E SIM	#
Benzo(a)pyrene	0.013	mg/kg	0.0051	0.00082	SW846 8270E SIM	#
Benzo(b)fluoranthene	0.026	mg/kg	0.0051	0.00082	SW846 8270E SIM	#
Benzo(g,h,i)perylene	0.051	mg/kg	0.0051	0.0010	SW846 8270E SIM	#
Benzo(k)fluoranthene	0.011	mg/kg	0.0051	0.00092	SW846 8270E SIM	#
Chrysene	0.041	mg/kg	0.0051	0.00092	SW846 8270E SIM	#
Dibenzo(a,h)anthracene	0.0070	mg/kg	0.0051	0.00071	SW846 8270E SIM	#
Fluoranthene	0.033	mg/kg	0.0051	0.00092	SW846 8270E SIM	#
Fluorene	0.011	mg/kg	0.0051	0.0010	SW846 8270E SIM	#
Indeno(1,2,3-cd)pyrene	0.011	mg/kg	0.0051	0.00082	SW846 8270E SIM	#
Naphthalene	0.032	mg/kg	0.0051	0.0011	SW846 8270E SIM	#
Phenanthrene	0.14	mg/kg	0.0051	0.0011	SW846 8270E SIM	#
Pyrene	0.044	mg/kg	0.0051	0.00082	SW846 8270E SIM	#
<b>SEMIVOLATILES</b>						
1-Methylnaphthalene	0.12	mg/kg	0.10	0.017	SW846 8270E	#
2-Methylnaphthalene	0.11	mg/kg	0.10	0.017	SW846 8270E	#
Benzo(a)anthracene	0.018J	mg/kg	0.051	0.017	SW846 8270E	#
Benzo(b)fluoranthene	0.030J	mg/kg	0.051	0.017	SW846 8270E	#
Benzo(g,h,i)perylene	0.052	mg/kg	0.051	0.017	SW846 8270E	#
Chrysene	0.043J	mg/kg	0.051	0.017	SW846 8270E	#
Dibenzofuran	0.033J	mg/kg	0.10	0.017	SW846 8270E	#
Fluoranthene	0.035J	mg/kg	0.051	0.017	SW846 8270E	#
Naphthalene	0.037J	mg/kg	0.051	0.017	SW846 8270E	#
Phenanthrene	0.15	mg/kg	0.051	0.017	SW846 8270E	#
Pyrene	0.045J	mg/kg	0.051	0.017	SW846 8270E	#
<b>VOLATILE ORGANICS</b>						
Acetone	0.017	mg/kg	0.011	0.0053	SW846 8260D	#
Carbon Disulfide	0.0012J	mg/kg	0.0023	0.00072	SW846 8260D	#
Methylene Chloride	0.0085	mg/kg	0.0023	0.00090	SW846 8260D	#
<b>WET CHEMISTRY</b>						
Moisture	10.9	%	0.1	0.01	S2540G-11	#
Total Solids	89.1	%	0.1	0.01	S2540G-11	#

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**Detected Results Summary**

Client Sample ID DUP6424 Collected 06/04/2024 00:00  
 Lab Sample ID 3363483026 Lab Receipt 06/08/2024 08:37

Compound	Result	Units	RDL	MDL	Method	Flag
<b>GASOLINE RANGE ORGANICS</b>						
Gasoline Range Organics	791	mg/kg	570	96.9	SW846 8015D	#
<b>PETROLEUM HC's</b>						
Diesel Range Organics C10-C28	956	mg/kg	127	34.9	SW846 8015D	#
<b>SEMIVOLATILE SIM</b>						
1-Methylnaphthalene	0.30	mg/kg	0.0054	0.00097	SW846 8270E SIM	#
2-Methylnaphthalene	0.43	mg/kg	0.0054	0.0014	SW846 8270E SIM	#
Anthracene	0.044	mg/kg	0.0054	0.00086	SW846 8270E SIM	#
Chrysene	0.0039J	mg/kg	0.0054	0.00097	SW846 8270E SIM	#
Fluoranthene	0.011	mg/kg	0.0054	0.00097	SW846 8270E SIM	#
Naphthalene	0.14	mg/kg	0.0054	0.0012	SW846 8270E SIM	#
Phenanthrene	0.65	mg/kg	0.0054	0.0012	SW846 8270E SIM	#
Pyrene	0.020	mg/kg	0.0054	0.00086	SW846 8270E SIM	#
<b>SEMIVOLATILES</b>						
1-Methylnaphthalene	0.35	mg/kg	0.11	0.018	SW846 8270E	#
2-Methylnaphthalene	0.50	mg/kg	0.11	0.018	SW846 8270E	#
Anthracene	0.048J	mg/kg	0.054	0.018	SW846 8270E	#
Dibenzofuran	0.087J	mg/kg	0.11	0.018	SW846 8270E	#
Naphthalene	0.15	mg/kg	0.054	0.018	SW846 8270E	#
Phenanthrene	0.70	mg/kg	0.054	0.018	SW846 8270E	#
Pyrene	0.019J	mg/kg	0.054	0.018	SW846 8270E	#
<b>VOLATILE ORGANICS</b>						
Ethylbenzene	4.2	mg/kg	0.57	0.19	SW846 8260D	#
Isopropylbenzene	2.9	mg/kg	0.57	0.13	SW846 8260D	#
mp-Xylene	0.94J	mg/kg	1.1	0.30	SW846 8260D	#
Naphthalene	7.4	mg/kg	1.1	0.19	SW846 8260D	#
n-Butylbenzene	2.4	mg/kg	1.1	0.34	SW846 8260D	#
n-Propylbenzene	5.0	mg/kg	0.57	0.19	SW846 8260D	#
p-Isopropyltoluene	1.9	mg/kg	0.57	0.18	SW846 8260D	#
sec-Butylbenzene	1.4	mg/kg	0.57	0.18	SW846 8260D	#
Total Xylenes	0.94J	mg/kg	1.7	0.38	SW846 8260D	#
<b>WET CHEMISTRY</b>						
Moisture	18.5	%	0.1	0.01	S2540G-11	#
Total Solids	81.5	%	0.1	0.01	S2540G-11	#

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**Detected Results Summary**

Client Sample ID MW-03 (6-8) Collected 06/04/2024 15:45  
 Lab Sample ID 3363483027 Lab Receipt 06/08/2024 08:37

Compound	Result	Units	RDL	MDL	Method	Flag
<b>GASOLINE RANGE ORGANICS</b>						
Gasoline Range Organics	219	mg/kg	12.0	2.0	SW846 8015D	#
<b>PETROLEUM HC's</b>						
Diesel Range Organics C10-C28	1200	mg/kg	124	33.9	SW846 8015D	#
<b>SEMIVOLATILE SIM</b>						
1-Methylnaphthalene	0.11	mg/kg	0.0051	0.00093	SW846 8270E SIM	#
2-Methylnaphthalene	0.046	mg/kg	0.0051	0.0013	SW846 8270E SIM	#
Anthracene	0.083	mg/kg	0.0051	0.00082	SW846 8270E SIM	#
Benzo(a)anthracene	0.0070	mg/kg	0.0051	0.00082	SW846 8270E SIM	#
Benzo(b)fluoranthene	0.0076	mg/kg	0.0051	0.00082	SW846 8270E SIM	#
Benzo(g,h,i)perylene	0.0046J	mg/kg	0.0051	0.0010	SW846 8270E SIM	#
Benzo(k)fluoranthene	0.0030J	mg/kg	0.0051	0.00093	SW846 8270E SIM	#
Chrysene	0.0079	mg/kg	0.0051	0.00093	SW846 8270E SIM	#
Naphthalene	0.030	mg/kg	0.0051	0.0011	SW846 8270E SIM	#
Phenanthrene	0.34	mg/kg	0.0051	0.0011	SW846 8270E SIM	#
Pyrene	0.045	mg/kg	0.0051	0.00082	SW846 8270E SIM	#
<b>SEMIVOLATILES</b>						
1-Methylnaphthalene	0.12	mg/kg	0.10	0.017	SW846 8270E	#
2-Methylnaphthalene	0.051J	mg/kg	0.10	0.017	SW846 8270E	#
Anthracene	0.088	mg/kg	0.051	0.017	SW846 8270E	#
Naphthalene	0.029J	mg/kg	0.051	0.017	SW846 8270E	#
Phenanthrene	0.37	mg/kg	0.051	0.017	SW846 8270E	#
<b>VOLATILE ORGANICS</b>						
Carbon Disulfide	0.0027	mg/kg	0.0025	0.00078	SW846 8260D	#
Isopropylbenzene	0.030	mg/kg	0.0025	0.00076	SW846 8260D	#
Naphthalene	0.020	mg/kg	0.0025	0.00062	SW846 8260D	#
n-Propylbenzene	0.15	mg/kg	0.0025	0.00062	SW846 8260D	#
sec-Butylbenzene	0.091	mg/kg	0.0025	0.00062	SW846 8260D	#
<b>WET CHEMISTRY</b>						
Moisture	16.2	%	0.1	0.01	S2540G-11	#
Total Solids	83.8	%	0.1	0.01	S2540G-11	#

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**Detected Results Summary**

Client Sample ID MW-03 (8-10) Collected 06/04/2024 15:45  
 Lab Sample ID 3363483028 Lab Receipt 06/08/2024 08:37

Compound	Result	Units	RDL	MDL	Method	Flag
<b>PETROLEUM HC's</b>						
Diesel Range Organics C10-C28	28.2	mg/kg	12.4	3.4	SW846 8015D	#
<b>SEMIVOLATILE SIM</b>						
1-Methylnaphthalene	0.10	mg/kg	0.0055	0.00099	SW846 8270E SIM	#
2-Methylnaphthalene	0.089	mg/kg	0.0055	0.0014	SW846 8270E SIM	#
Anthracene	0.0026J	mg/kg	0.0055	0.00088	SW846 8270E SIM	#
Benzo(a)anthracene	0.012	mg/kg	0.0055	0.00088	SW846 8270E SIM	#
Benzo(a)pyrene	0.014	mg/kg	0.0055	0.00088	SW846 8270E SIM	#
Benzo(b)fluoranthene	0.024	mg/kg	0.0055	0.00088	SW846 8270E SIM	#
Benzo(g,h,i)perylene	0.053	mg/kg	0.0055	0.0011	SW846 8270E SIM	#
Benzo(k)fluoranthene	0.011	mg/kg	0.0055	0.00099	SW846 8270E SIM	#
Chrysene	0.033	mg/kg	0.0055	0.00099	SW846 8270E SIM	#
Dibenzo(a,h)anthracene	0.0065	mg/kg	0.0055	0.00077	SW846 8270E SIM	#
Fluoranthene	0.020	mg/kg	0.0055	0.00099	SW846 8270E SIM	#
Fluorene	0.0064	mg/kg	0.0055	0.0011	SW846 8270E SIM	#
Indeno(1,2,3-cd)pyrene	0.011	mg/kg	0.0055	0.00088	SW846 8270E SIM	#
Naphthalene	0.037	mg/kg	0.0055	0.0012	SW846 8270E SIM	#
Phenanthrene	0.074	mg/kg	0.0055	0.0012	SW846 8270E SIM	#
Pyrene	0.062	mg/kg	0.0055	0.00088	SW846 8270E SIM	#
<b>SEMIVOLATILES</b>						
1-Methylnaphthalene	0.10J	mg/kg	0.11	0.019	SW846 8270E	#
2-Methylnaphthalene	0.089J	mg/kg	0.11	0.019	SW846 8270E	#
Benzo(b)fluoranthene	0.031J	mg/kg	0.055	0.019	SW846 8270E	#
Benzo(g,h,i)perylene	0.058	mg/kg	0.055	0.019	SW846 8270E	#
Chrysene	0.043J	mg/kg	0.055	0.019	SW846 8270E	#
Dibenzofuran	0.021J	mg/kg	0.11	0.019	SW846 8270E	#
Fluoranthene	0.023J	mg/kg	0.055	0.019	SW846 8270E	#
Naphthalene	0.038J	mg/kg	0.055	0.019	SW846 8270E	#
Phenanthrene	0.079	mg/kg	0.055	0.019	SW846 8270E	#
Pyrene	0.065	mg/kg	0.055	0.019	SW846 8270E	#
<b>VOLATILE ORGANICS</b>						
Acetone	0.014	mg/kg	0.011	0.0051	SW846 8260D	#
Carbon Disulfide	0.0015J	mg/kg	0.0022	0.00069	SW846 8260D	#
Methyl t-Butyl Ether	0.0025	mg/kg	0.0022	0.00055	SW846 8260D	#
Methylene Chloride	0.0060	mg/kg	0.0022	0.00086	SW846 8260D	#
<b>WET CHEMISTRY</b>						
Moisture	17.0	%	0.1	0.01	S2540G-11	#
Total Solids	83.0	%	0.1	0.01	S2540G-11	#



**Detected Results Summary**

Client Sample ID SB-17 (6-8) Collected 06/04/2024 16:30  
 Lab Sample ID 3363483029 Lab Receipt 06/08/2024 08:37

Compound	Result	Units	RDL	MDL	Method	Flag
<b>GASOLINE RANGE ORGANICS</b>						
Gasoline Range Organics	24.7	mg/kg	11.3	1.9	SW846 8015D	#
<b>PETROLEUM HC's</b>						
Diesel Range Organics C10-C28	267	mg/kg	49.6	13.6	SW846 8015D	#
<b>SEMIVOLATILE SIM</b>						
1-Methylnaphthalene	0.25	mg/kg	0.0058	0.0010	SW846 8270E SIM	#
2-Methylnaphthalene	0.0098	mg/kg	0.0058	0.0015	SW846 8270E SIM	#
Acenaphthene	0.046	mg/kg	0.0058	0.0010	SW846 8270E SIM	#
Anthracene	0.027	mg/kg	0.0058	0.00093	SW846 8270E SIM	#
Fluorene	0.13	mg/kg	0.0058	0.0012	SW846 8270E SIM	#
Naphthalene	0.0072	mg/kg	0.0058	0.0013	SW846 8270E SIM	#
Phenanthrene	0.34	mg/kg	0.0058	0.0013	SW846 8270E SIM	#
Pyrene	0.0087	mg/kg	0.0058	0.00093	SW846 8270E SIM	#
<b>SEMIVOLATILES</b>						
1-Methylnaphthalene	0.25	mg/kg	0.12	0.020	SW846 8270E	#
Anthracene	0.028	mg/kg	0.058	0.020	SW846 8270E	#
Fluorene	0.12	mg/kg	0.058	0.020	SW846 8270E	#
Phenanthrene	0.38	mg/kg	0.058	0.020	SW846 8270E	#
<b>VOLATILE ORGANICS</b>						
2-Butanone	0.014	mg/kg	0.012	0.0040	SW846 8260D	#
Acetone	0.061	mg/kg	0.012	0.0057	SW846 8260D	#
Carbon Disulfide	0.0012	mg/kg	0.0025	0.00078	SW846 8260D	#
Isopropylbenzene	0.0075	mg/kg	0.0025	0.00075	SW846 8260D	#
Methylene Chloride	0.0041	mg/kg	0.0025	0.00096	SW846 8260D	#
Naphthalene	0.0053	mg/kg	0.0025	0.00062	SW846 8260D	#
n-Butylbenzene	0.022	mg/kg	0.0025	0.00062	SW846 8260D	#
n-Propylbenzene	0.016	mg/kg	0.0025	0.00062	SW846 8260D	#
sec-Butylbenzene	0.021	mg/kg	0.0025	0.00062	SW846 8260D	#
tert-Butylbenzene	0.0032	mg/kg	0.0025	0.00068	SW846 8260D	#
<b>WET CHEMISTRY</b>						
Moisture	15.6	%	0.1	0.01	S2540G-11	#
Total Solids	84.4	%	0.1	0.01	S2540G-11	#

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**Detected Results Summary**

Client Sample ID	SB-17 (8-10)	Collected	06/04/2024 16:30
Lab Sample ID	3363483030	Lab Receipt	06/08/2024 08:37

Compound	Result	Units	RDL	MDL	Method	Flag
<b>GASOLINE RANGE ORGANICS</b>						
Gasoline Range Organics	211	mg/kg	12.9	2.2	SW846 8015D	#
<b>PETROLEUM HC's</b>						
Diesel Range Organics C10-C28	832	mg/kg	121	33.2	SW846 8015D	#
<b>SEMIVOLATILE SIM</b>						
1-Methylnaphthalene	0.38	mg/kg	0.0057	0.0010	SW846 8270E SIM	#
2-Methylnaphthalene	0.16	mg/kg	0.0057	0.0015	SW846 8270E SIM	#
Acenaphthene	0.13	mg/kg	0.0057	0.0010	SW846 8270E SIM	#
Anthracene	0.089	mg/kg	0.0057	0.00092	SW846 8270E SIM	#
Chrysene	0.0037J	mg/kg	0.0057	0.0010	SW846 8270E SIM	#
Fluorene	0.32	mg/kg	0.0057	0.0011	SW846 8270E SIM	#
Naphthalene	0.028	mg/kg	0.0057	0.0013	SW846 8270E SIM	#
Phenanthrene	1.2	mg/kg	0.0057	0.0013	SW846 8270E SIM	#
Pyrene	0.034	mg/kg	0.0057	0.00092	SW846 8270E SIM	#
<b>SEMIVOLATILES</b>						
1-Methylnaphthalene	0.35	mg/kg	0.11	0.019	SW846 8270E	#
2-Methylnaphthalene	0.15	mg/kg	0.11	0.019	SW846 8270E	#
Anthracene	0.076	mg/kg	0.057	0.019	SW846 8270E	#
Dibenzofuran	0.11J	mg/kg	0.11	0.019	SW846 8270E	#
Fluorene	0.31	mg/kg	0.057	0.019	SW846 8270E	#
Naphthalene	0.022J	mg/kg	0.057	0.019	SW846 8270E	#
Phenanthrene	1.1	mg/kg	0.057	0.019	SW846 8270E	#
Pyrene	0.031J	mg/kg	0.057	0.019	SW846 8270E	#
<b>VOLATILE ORGANICS</b>						
Isopropylbenzene	0.36	mg/kg	0.064	0.014	SW846 8260D	#
Naphthalene	1.0	mg/kg	0.13	0.022	SW846 8260D	#
n-Butylbenzene	1.3	mg/kg	0.13	0.039	SW846 8260D	#
n-Propylbenzene	0.85	mg/kg	0.064	0.021	SW846 8260D	#
sec-Butylbenzene	0.53	mg/kg	0.064	0.020	SW846 8260D	#
<b>WET CHEMISTRY</b>						
Moisture	16.1	%	0.1	0.01	S2540G-11	#
Total Solids	83.9	%	0.1	0.01	S2540G-11	#

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### Detected Results Summary

Client Sample ID	SB-05 (0-2)	Collected	06/05/2024 09:05
Lab Sample ID	3363483031	Lab Receipt	06/08/2024 08:37

Compound	Result	Units	RDL	MDL	Method	Flag
<b>GASOLINE RANGE ORGANICS</b>						
Gasoline Range Organics	14.9	mg/kg	11.3	1.9	SW846 8015D	#
<b>PETROLEUM HC's</b>						
Diesel Range Organics C10-C28	275	mg/kg	44.5	12.2	SW846 8015D	#
<b>SEMIVOLATILE SIM</b>						
1-Methylnaphthalene	0.58	mg/kg	0.0051	0.00092	SW846 8270E SIM	#
2-Methylnaphthalene	0.62	mg/kg	0.0051	0.0013	SW846 8270E SIM	#
Acenaphthylene	0.020	mg/kg	0.0051	0.00092	SW846 8270E SIM	#
Anthracene	0.026	mg/kg	0.0051	0.00082	SW846 8270E SIM	#
Benzo(a)anthracene	0.081	mg/kg	0.0051	0.00082	SW846 8270E SIM	#
Benzo(a)pyrene	0.075	mg/kg	0.0051	0.00082	SW846 8270E SIM	#
Benzo(b)fluoranthene	0.11	mg/kg	0.0051	0.00082	SW846 8270E SIM	#
Benzo(g,h,i)perylene	0.083	mg/kg	0.0051	0.0010	SW846 8270E SIM	#
Benzo(k)fluoranthene	0.081	mg/kg	0.0051	0.00092	SW846 8270E SIM	#
Chrysene	0.14	mg/kg	0.0051	0.00092	SW846 8270E SIM	#
Dibenzo(a,h)anthracene	0.020	mg/kg	0.0051	0.00072	SW846 8270E SIM	#
Fluoranthene	0.11	mg/kg	0.0051	0.00092	SW846 8270E SIM	#
Fluorene	0.052	mg/kg	0.0051	0.0010	SW846 8270E SIM	#
Indeno(1,2,3-cd)pyrene	0.050	mg/kg	0.0051	0.00082	SW846 8270E SIM	#
Naphthalene	0.42	mg/kg	0.0051	0.0011	SW846 8270E SIM	#
Phenanthrene	0.46	mg/kg	0.0051	0.0011	SW846 8270E SIM	#
Pyrene	0.13	mg/kg	0.0051	0.00082	SW846 8270E SIM	#
<b>SEMIVOLATILES</b>						
1-Methylnaphthalene	0.59	mg/kg	0.10	0.017	SW846 8270E	#
2-Methylnaphthalene	0.65	mg/kg	0.10	0.017	SW846 8270E	#
Anthracene	0.023J	mg/kg	0.051	0.017	SW846 8270E	#
Benzo(a)anthracene	0.077	mg/kg	0.051	0.017	SW846 8270E	#
Benzo(a)pyrene	0.073	mg/kg	0.051	0.017	SW846 8270E	#
Benzo(b)fluoranthene	0.11	mg/kg	0.051	0.017	SW846 8270E	#
Benzo(g,h,i)perylene	0.12	mg/kg	0.051	0.017	SW846 8270E	#
Benzo(k)fluoranthene	0.070	mg/kg	0.051	0.017	SW846 8270E	#
Carbazole	0.018J	mg/kg	0.10	0.017	SW846 8270E	#
Chrysene	0.14	mg/kg	0.051	0.017	SW846 8270E	#
Dibenzo(a,h)anthracene	0.022J	mg/kg	0.051	0.017	SW846 8270E	#
Dibenzofuran	0.17	mg/kg	0.10	0.017	SW846 8270E	#
Fluoranthene	0.10	mg/kg	0.051	0.017	SW846 8270E	#
Fluorene	0.038J	mg/kg	0.051	0.017	SW846 8270E	#
Indeno(1,2,3-cd)pyrene	0.061	mg/kg	0.051	0.017	SW846 8270E	#
Naphthalene	0.41	mg/kg	0.051	0.017	SW846 8270E	#
Phenanthrene	0.42	mg/kg	0.051	0.017	SW846 8270E	#
Pyrene	0.11	mg/kg	0.051	0.017	SW846 8270E	#
<b>VOLATILE ORGANICS</b>						
Carbon Disulfide	0.00092J	mg/kg	0.0021	0.00065	SW846 8260D	#
Ethylbenzene	0.00080J	mg/kg	0.0021	0.00070	SW846 8260D	#
Methylene Chloride	0.0049	mg/kg	0.0021	0.00080	SW846 8260D	#



**Detected Results Summary**

Sample - SB-05 (0-2) (cont.)

<u>Compound</u>	<u>Result</u>	<u>Units</u>	<u>RDL</u>	<u>MDL</u>	<u>Method</u>	<u>Flag</u>
<b>VOLATILE ORGANICS (cont.)</b>						
mp-Xylene	0.0013J	mg/kg	0.0041	0.00085	SW846 8260D	#
sec-Butylbenzene	0.00093J	mg/kg	0.0021	0.00051	SW846 8260D	#
<b>WET CHEMISTRY</b>						
Moisture	6.0	%	0.1	0.01	S2540G-11	#
Total Solids	94.0	%	0.1	0.01	S2540G-11	#

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**Detected Results Summary**

Client Sample ID SB-05 (10-12) Collected 06/05/2024 09:05  
 Lab Sample ID 3363483032 Lab Receipt 06/08/2024 08:37

Compound	Result	Units	RDL	MDL	Method	Flag
<b>PETROLEUM HC's</b>						
Diesel Range Organics C10-C28	25.5	mg/kg	11.7	3.2	SW846 8015D	#
<b>SEMIVOLATILE SIM</b>						
1-Methylnaphthalene	0.17	mg/kg	0.0050	0.00090	SW846 8270E SIM	#
2-Methylnaphthalene	0.19	mg/kg	0.0050	0.0013	SW846 8270E SIM	#
Anthracene	0.0052	mg/kg	0.0050	0.00080	SW846 8270E SIM	#
Benzo(a)anthracene	0.015	mg/kg	0.0050	0.00080	SW846 8270E SIM	#
Benzo(a)pyrene	0.017	mg/kg	0.0050	0.00080	SW846 8270E SIM	#
Benzo(b)fluoranthene	0.032	mg/kg	0.0050	0.00080	SW846 8270E SIM	#
Benzo(g,h,i)perylene	0.051	mg/kg	0.0050	0.0010	SW846 8270E SIM	#
Benzo(k)fluoranthene	0.015	mg/kg	0.0050	0.00090	SW846 8270E SIM	#
Chrysene	0.043	mg/kg	0.0050	0.00090	SW846 8270E SIM	#
Dibenzo(a,h)anthracene	0.0078	mg/kg	0.0050	0.00070	SW846 8270E SIM	#
Fluoranthene	0.025	mg/kg	0.0050	0.00090	SW846 8270E SIM	#
Fluorene	0.0086	mg/kg	0.0050	0.0010	SW846 8270E SIM	#
Indeno(1,2,3-cd)pyrene	0.013	mg/kg	0.0050	0.00080	SW846 8270E SIM	#
Naphthalene	0.075	mg/kg	0.0050	0.0011	SW846 8270E SIM	#
Phenanthrene	0.11	mg/kg	0.0050	0.0011	SW846 8270E SIM	#
Pyrene	0.11	mg/kg	0.0050	0.00080	SW846 8270E SIM	#
<b>SEMIVOLATILES</b>						
1-Methylnaphthalene	0.16	mg/kg	0.10	0.017	SW846 8270E	#
2-Methylnaphthalene	0.18	mg/kg	0.10	0.017	SW846 8270E	#
Benzo(a)pyrene	0.018J	mg/kg	0.050	0.017	SW846 8270E	#
Benzo(b)fluoranthene	0.033J	mg/kg	0.050	0.017	SW846 8270E	#
Benzo(g,h,i)perylene	0.061	mg/kg	0.050	0.017	SW846 8270E	#
Chrysene	0.047J	mg/kg	0.050	0.017	SW846 8270E	#
Dibenzofuran	0.035J	mg/kg	0.10	0.017	SW846 8270E	#
Naphthalene	0.068	mg/kg	0.050	0.017	SW846 8270E	#
Phenanthrene	0.10	mg/kg	0.050	0.017	SW846 8270E	#
Pyrene	0.10	mg/kg	0.050	0.017	SW846 8270E	#
<b>VOLATILE ORGANICS</b>						
Acetone	0.011J	mg/kg	0.011	0.0051	SW846 8260D	#
Bromomethane	0.0013J	mg/kg	0.0022	0.00058	SW846 8260D	#
Methyl t-Butyl Ether	0.00096J	mg/kg	0.0022	0.00056	SW846 8260D	#
<b>WET CHEMISTRY</b>						
Moisture	10.9	%	0.1	0.01	S25406-11	#
Total Solids	89.1	%	0.1	0.01	S25406-11	#

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**Detected Results Summary**

Client Sample ID SB-18 (0-2) Collected 06/05/2024 09:30  
 Lab Sample ID 3363483033 Lab Receipt 06/08/2024 08:37

Compound	Result	Units	RDL	MDL	Method	Flag
<b>GASOLINE RANGE ORGANICS</b>						
Gasoline Range Organics	10.3J	mg/kg	12.4	2.1	SW846 8015D	#
<b>PETROLEUM HC's</b>						
Diesel Range Organics C10-C28	580	mg/kg	60.9	16.7	SW846 8015D	#
<b>SEMIVOLATILE SIM</b>						
1-Methylnaphthalene	0.47	mg/kg	0.0058	0.0010	SW846 8270E SIM	#
2-Methylnaphthalene	0.65	mg/kg	0.0058	0.0015	SW846 8270E SIM	#
Acenaphthylene	0.016	mg/kg	0.0058	0.0010	SW846 8270E SIM	#
Anthracene	0.024	mg/kg	0.0058	0.00093	SW846 8270E SIM	#
Benzo(a)anthracene	0.086	mg/kg	0.0058	0.00093	SW846 8270E SIM	#
Benzo(a)pyrene	0.097	mg/kg	0.0058	0.00093	SW846 8270E SIM	#
Benzo(b)fluoranthene	0.13	mg/kg	0.0058	0.00093	SW846 8270E SIM	#
Benzo(g,h,i)perylene	0.070	mg/kg	0.0058	0.0012	SW846 8270E SIM	#
Benzo(k)fluoranthene	0.10	mg/kg	0.0058	0.0010	SW846 8270E SIM	#
Chrysene	0.14	mg/kg	0.0058	0.0010	SW846 8270E SIM	#
Dibenzo(a,h)anthracene	0.018	mg/kg	0.0058	0.00081	SW846 8270E SIM	#
Fluoranthene	0.16	mg/kg	0.0058	0.0010	SW846 8270E SIM	#
Fluorene	0.011	mg/kg	0.0058	0.0012	SW846 8270E SIM	#
Indeno(1,2,3-cd)pyrene	0.059	mg/kg	0.0058	0.00093	SW846 8270E SIM	#
Naphthalene	0.45	mg/kg	0.0058	0.0013	SW846 8270E SIM	#
Phenanthrene	0.42	mg/kg	0.0058	0.0013	SW846 8270E SIM	#
Pyrene	0.14	mg/kg	0.0058	0.00093	SW846 8270E SIM	#
<b>SEMIVOLATILES</b>						
1-Methylnaphthalene	0.46	mg/kg	0.12	0.020	SW846 8270E	#
2-Methylnaphthalene	0.64	mg/kg	0.12	0.020	SW846 8270E	#
Anthracene	0.021J	mg/kg	0.058	0.020	SW846 8270E	#
Benzo(a)anthracene	0.081	mg/kg	0.058	0.020	SW846 8270E	#
Benzo(a)pyrene	0.090	mg/kg	0.058	0.020	SW846 8270E	#
Benzo(b)fluoranthene	0.12	mg/kg	0.058	0.020	SW846 8270E	#
Benzo(g,h,i)perylene	0.094	mg/kg	0.058	0.020	SW846 8270E	#
Benzo(k)fluoranthene	0.079	mg/kg	0.058	0.020	SW846 8270E	#
Chrysene	0.12	mg/kg	0.058	0.020	SW846 8270E	#
Dibenzofuran	0.17	mg/kg	0.12	0.020	SW846 8270E	#
Fluoranthene	0.14	mg/kg	0.058	0.020	SW846 8270E	#
Indeno(1,2,3-cd)pyrene	0.069	mg/kg	0.058	0.020	SW846 8270E	#
Naphthalene	0.41	mg/kg	0.058	0.020	SW846 8270E	#
Phenanthrene	0.35	mg/kg	0.058	0.020	SW846 8270E	#
Pyrene	0.12	mg/kg	0.058	0.020	SW846 8270E	#
<b>VOLATILE ORGANICS</b>						
Bromomethane	0.0019J	mg/kg	0.0022	0.00058	SW846 8260D	#
<b>WET CHEMISTRY</b>						
Moisture	15.8	%	0.1	0.01	S2540G-11	#
Total Solids	84.2	%	0.1	0.01	S2540G-11	#

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**Detected Results Summary**

Client Sample ID	SB-18 (2-11)	Collected	06/05/2024 09:30
Lab Sample ID	3363483034	Lab Receipt	06/08/2024 08:37

Compound	Result	Units	RDL	MDL	Method	Flag
<b>PETROLEUM HC's</b>						
Diesel Range Organics C10-C28	6.3J	mg/kg	12.3	3.4	SW846 8015D	#
<b>SEMIVOLATILE SIM</b>						
1-Methylnaphthalene	0.027	mg/kg	0.0054	0.00098	SW846 8270E SIM	#
2-Methylnaphthalene	0.033	mg/kg	0.0054	0.0014	SW846 8270E SIM	#
Benzo(a)anthracene	0.0034J	mg/kg	0.0054	0.00087	SW846 8270E SIM	#
Benzo(b)fluoranthene	0.0048J	mg/kg	0.0054	0.00087	SW846 8270E SIM	#
Benzo(k)fluoranthene	0.0037J	mg/kg	0.0054	0.00098	SW846 8270E SIM	#
Chrysene	0.0057	mg/kg	0.0054	0.00098	SW846 8270E SIM	#
Fluoranthene	0.0089	mg/kg	0.0054	0.00098	SW846 8270E SIM	#
Naphthalene	0.016	mg/kg	0.0054	0.0012	SW846 8270E SIM	#
Phenanthrene	0.016	mg/kg	0.0054	0.0012	SW846 8270E SIM	#
Pyrene	0.0072	mg/kg	0.0054	0.00087	SW846 8270E SIM	#
<b>SEMIVOLATILES</b>						
1-Methylnaphthalene	0.026J	mg/kg	0.11	0.019	SW846 8270E	#
2-Methylnaphthalene	0.032J	mg/kg	0.11	0.019	SW846 8270E	#
<b>WET CHEMISTRY</b>						
Moisture	14.9	%	0.1	0.01	S2540G-11	#
Total Solids	85.1	%	0.1	0.01	S2540G-11	#

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**Detected Results Summary**

Client Sample ID MW-01 (2-4) Collected 06/05/2024 09:55  
 Lab Sample ID 3363483035 Lab Receipt 06/08/2024 08:37

Compound	Result	Units	RDL	MDL	Method	Flag
<b>PETROLEUM HC's</b>						
Diesel Range Organics C10-C28	6.1J	mg/kg	13.2	3.6	SW846 8015D	#
<b>SEMIVOLATILE SIM</b>						
1-Methylnaphthalene	0.15	mg/kg	0.0062	0.0011	SW846 8270E SIM	#
2-Methylnaphthalene	0.19	mg/kg	0.0062	0.0016	SW846 8270E SIM	#
Acenaphthylene	0.0041J	mg/kg	0.0062	0.0011	SW846 8270E SIM	#
Anthracene	0.012	mg/kg	0.0062	0.00099	SW846 8270E SIM	#
Benzo(a)anthracene	0.021	mg/kg	0.0062	0.00099	SW846 8270E SIM	#
Benzo(a)pyrene	0.015	mg/kg	0.0062	0.00099	SW846 8270E SIM	#
Benzo(b)fluoranthene	0.022	mg/kg	0.0062	0.00099	SW846 8270E SIM	#
Benzo(g,h,i)perylene	0.015	mg/kg	0.0062	0.0012	SW846 8270E SIM	#
Benzo(k)fluoranthene	0.014	mg/kg	0.0062	0.0011	SW846 8270E SIM	#
Chrysene	0.045	mg/kg	0.0062	0.0011	SW846 8270E SIM	#
Dibenzo(a,h)anthracene	0.0048J	mg/kg	0.0062	0.00087	SW846 8270E SIM	#
Fluoranthene	0.029	mg/kg	0.0062	0.0011	SW846 8270E SIM	#
Fluorene	0.0087	mg/kg	0.0062	0.0012	SW846 8270E SIM	#
Indeno(1,2,3-cd)pyrene	0.0089	mg/kg	0.0062	0.00099	SW846 8270E SIM	#
Naphthalene	0.10	mg/kg	0.0062	0.0014	SW846 8270E SIM	#
Phenanthrene	0.13	mg/kg	0.0062	0.0014	SW846 8270E SIM	#
Pyrene	0.032	mg/kg	0.0062	0.00099	SW846 8270E SIM	#
<b>SEMIVOLATILES</b>						
1-Methylnaphthalene	0.14	mg/kg	0.12	0.021	SW846 8270E	#
2-Methylnaphthalene	0.19	mg/kg	0.12	0.021	SW846 8270E	#
Benzo(b)fluoranthene	0.022J	mg/kg	0.062	0.021	SW846 8270E	#
Chrysene	0.045J	mg/kg	0.062	0.021	SW846 8270E	#
Dibenzofuran	0.053J	mg/kg	0.12	0.021	SW846 8270E	#
Fluoranthene	0.028J	mg/kg	0.062	0.021	SW846 8270E	#
Naphthalene	0.098	mg/kg	0.062	0.021	SW846 8270E	#
Phenanthrene	0.12	mg/kg	0.062	0.021	SW846 8270E	#
Pyrene	0.030J	mg/kg	0.062	0.021	SW846 8270E	#
<b>VOLATILE ORGANICS</b>						
Methylene Chloride	0.0044	mg/kg	0.0026	0.0010	SW846 8260D	#
<b>WET CHEMISTRY</b>						
Moisture	20.9	%	0.1	0.01	S2540G-11	#
Total Solids	79.1	%	0.1	0.01	S2540G-11	#

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**Detected Results Summary**

Client Sample ID MW-01 (4-6) Collected 06/05/2024 09:55  
 Lab Sample ID 3363483036 Lab Receipt 06/08/2024 08:37

Compound	Result	Units	RDL	MDL	Method	Flag
<b>PETROLEUM HC's</b>						
Diesel Range Organics C10-C28	12.8J	mg/kg	13.5	3.7	SW846 8015D	#
<b>SEMIVOLATILE SIM</b>						
1-Methylnaphthalene	0.011	mg/kg	0.0058	0.0011	SW846 8270E SIM	#
2-Methylnaphthalene	0.013	mg/kg	0.0058	0.0015	SW846 8270E SIM	#
Benzo(b)fluoranthene	0.0041J	mg/kg	0.0058	0.00094	SW846 8270E SIM	#
Chrysene	0.0054J	mg/kg	0.0058	0.0011	SW846 8270E SIM	#
Fluoranthene	0.0040J	mg/kg	0.0058	0.0011	SW846 8270E SIM	#
Naphthalene	0.0089	mg/kg	0.0058	0.0013	SW846 8270E SIM	#
Phenanthrene	0.011	mg/kg	0.0058	0.0013	SW846 8270E SIM	#
Pyrene	0.0036J	mg/kg	0.0058	0.00094	SW846 8270E SIM	#
<b>VOLATILE ORGANICS</b>						
2-Butanone	0.011J	mg/kg	0.014	0.0044	SW846 8260D	#
Acetone	0.11	mg/kg	0.014	0.0063	SW846 8260D	#
Methylene Chloride	0.0032	mg/kg	0.0027	0.0011	SW846 8260D	#
<b>WET CHEMISTRY</b>						
Moisture	22.3	%	0.1	0.01	S2540G-11	#
Total Solids	77.7	%	0.1	0.01	S2540G-11	#

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**Detected Results Summary**

Client Sample ID	SB-01 (2-4)	Collected	06/05/2024 10:30
Lab Sample ID	3363483037	Lab Receipt	06/08/2024 08:37

Compound	Result	Units	RDL	MDL	Method	Flag
<b>PETROLEUM HC's</b>						
Diesel Range Organics C10-C28	8.9J	mg/kg	11.4	3.1	SW846 8015D	#
<b>SEMIVOLATILE SIM</b>						
1-Methylnaphthalene	0.0079	mg/kg	0.0054	0.00097	SW846 8270E SIM	#
2-Methylnaphthalene	0.0096	mg/kg	0.0054	0.0014	SW846 8270E SIM	#
Benzo(a)anthracene	0.0054	mg/kg	0.0054	0.00086	SW846 8270E SIM	#
Benzo(a)pyrene	0.0057	mg/kg	0.0054	0.00086	SW846 8270E SIM	#
Benzo(b)fluoranthene	0.0080	mg/kg	0.0054	0.00086	SW846 8270E SIM	#
Benzo(g,h,i)perylene	0.0053J	mg/kg	0.0054	0.0011	SW846 8270E SIM	#
Benzo(k)fluoranthene	0.0073	mg/kg	0.0054	0.00097	SW846 8270E SIM	#
Chrysene	0.0088	mg/kg	0.0054	0.00097	SW846 8270E SIM	#
Fluoranthene	0.015	mg/kg	0.0054	0.00097	SW846 8270E SIM	#
Indeno(1,2,3-cd)pyrene	0.0049J	mg/kg	0.0054	0.00086	SW846 8270E SIM	#
Naphthalene	0.0078	mg/kg	0.0054	0.0012	SW846 8270E SIM	#
Phenanthrene	0.012	mg/kg	0.0054	0.0012	SW846 8270E SIM	#
Pyrene	0.012	mg/kg	0.0054	0.00086	SW846 8270E SIM	#
<b>VOLATILE ORGANICS</b>						
2-Butanone	0.014	mg/kg	0.012	0.0039	SW846 8260D	#
Acetone	0.11	mg/kg	0.012	0.0056	SW846 8260D	#
Carbon Disulfide	0.0015J	mg/kg	0.0024	0.00076	SW846 8260D	#
Methylene Chloride	0.0020J	mg/kg	0.0024	0.00094	SW846 8260D	#
<b>WET CHEMISTRY</b>						
Moisture	12.1	%	0.1	0.01	S2540G-11	#
Total Solids	87.9	%	0.1	0.01	S2540G-11	#

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**Detected Results Summary**

Client Sample ID	SB-01 (16-18)	Collected	06/05/2024 10:30
Lab Sample ID	3363483038	Lab Receipt	06/08/2024 08:37

<u>Compound</u>	<u>Result</u>	<u>Units</u>	<u>RDL</u>	<u>MDL</u>	<u>Method</u>	<u>Flag</u>
<b>PETROLEUM HC's</b>						
Diesel Range Organics C10-C28	7.0J	mg/kg	12.6	3.4	SW846 8015D	#
<b>VOLATILE ORGANICS</b>						
Acetone	0.027	mg/kg	0.011	0.0050	SW846 8260D	#
Methylene Chloride	0.0014J	mg/kg	0.0022	0.00085	SW846 8260D	#
<b>WET CHEMISTRY</b>						
Moisture	16.3	%	0.1	0.01	S2540G-11	#
Total Solids	83.7	%	0.1	0.01	S2540G-11	#

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**Detected Results Summary**

Client Sample ID	SB-19 (2-4)	Collected	06/05/2024 10:55
Lab Sample ID	3363483039	Lab Receipt	06/08/2024 08:37

Compound	Result	Units	RDL	MDL	Method	Flag
<b>PETROLEUM HC's</b>						
Diesel Range Organics C10-C28	7.0J	mg/kg	13.0	3.6	SW846 8015D	#
<b>SEMIVOLATILE SIM</b>						
1-Methylnaphthalene	0.0096	mg/kg	0.0054	0.00098	SW846 8270E SIM	#
2-Methylnaphthalene	0.011	mg/kg	0.0054	0.0014	SW846 8270E SIM	#
Benzo(g,h,i)perylene	0.0037J	mg/kg	0.0054	0.0011	SW846 8270E SIM	#
Chrysene	0.0043J	mg/kg	0.0054	0.00098	SW846 8270E SIM	#
Fluoranthene	0.0066	mg/kg	0.0054	0.00098	SW846 8270E SIM	#
Naphthalene	0.0067	mg/kg	0.0054	0.0012	SW846 8270E SIM	#
Phenanthrene	0.0097	mg/kg	0.0054	0.0012	SW846 8270E SIM	#
Pyrene	0.0051J	mg/kg	0.0054	0.00087	SW846 8270E SIM	#
<b>VOLATILE ORGANICS</b>						
2-Butanone	0.0076J	mg/kg	0.013	0.0042	SW846 8260D	#
Acetone	0.069	mg/kg	0.013	0.0061	SW846 8260D	#
<b>WET CHEMISTRY</b>						
Moisture	19.5	%	0.1	0.01	S2540G-11	#
Total Solids	80.5	%	0.1	0.01	S2540G-11	#

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### Detected Results Summary

Client Sample ID	SB-19 (4-6)	Collected	06/05/2024 10:55
Lab Sample ID	3363483040	Lab Receipt	06/08/2024 08:37

Compound	Result	Units	RDL	MDL	Method	Flag
<b>PETROLEUM HC's</b>						
Diesel Range Organics C10-C28	4.1J	mg/kg	13.2	3.6	SW846 8015D	#
<b>SEMIVOLATILE SIM</b>						
1-Methylnaphthalene	0.0036J	mg/kg	0.0058	0.0010	SW846 8270E SIM	#
2-Methylnaphthalene	0.0045J	mg/kg	0.0058	0.0015	SW846 8270E SIM	#
Fluoranthene	0.0024J	mg/kg	0.0058	0.0010	SW846 8270E SIM	#
Naphthalene	0.0057J	mg/kg	0.0058	0.0013	SW846 8270E SIM	#
Phenanthrene	0.0040J	mg/kg	0.0058	0.0013	SW846 8270E SIM	#
<b>VOLATILE ORGANICS</b>						
2-Butanone	0.0073J	mg/kg	0.013	0.0041	SW846 8260D	#
Acetone	0.044	mg/kg	0.013	0.0059	SW846 8260D	#
Methylene Chloride	0.0021J	mg/kg	0.0025	0.00099	SW846 8260D	#
<b>WET CHEMISTRY</b>						
Moisture	21.2	%	0.1	0.01	S2540G-11	#
Total Solids	78.8	%	0.1	0.01	S2540G-11	#

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### Detected Results Summary

Client Sample ID	SB-23 (4-6)	Collected	06/05/2024 11:40
Lab Sample ID	3363483041	Lab Receipt	06/08/2024 08:37

Compound	Result	Units	RDL	MDL	Method	Flag
<b>GASOLINE RANGE ORGANICS</b>						
Gasoline Range Organics	117	mg/kg	13.3	2.3	SW846 8015D	#
<b>PETROLEUM HC's</b>						
Diesel Range Organics C10-C28	150	mg/kg	12.8	3.5	SW846 8015D	#
<b>SEMIVOLATILE SIM</b>						
1-Methylnaphthalene	1.1	mg/kg	0.0054	0.00097	SW846 8270E SIM	#
2-Methylnaphthalene	1.8	mg/kg	0.0054	0.0014	SW846 8270E SIM	#
Acenaphthene	0.13	mg/kg	0.0054	0.00097	SW846 8270E SIM	#
Anthracene	0.039	mg/kg	0.0054	0.00086	SW846 8270E SIM	#
Benzo(a)anthracene	0.0054	mg/kg	0.0054	0.00086	SW846 8270E SIM	#
Benzo(b)fluoranthene	0.0098	mg/kg	0.0054	0.00086	SW846 8270E SIM	#
Benzo(g,h,i)perylene	0.0093	mg/kg	0.0054	0.0011	SW846 8270E SIM	#
Benzo(k)fluoranthene	0.0048J	mg/kg	0.0054	0.00097	SW846 8270E SIM	#
Chrysene	0.014	mg/kg	0.0054	0.00097	SW846 8270E SIM	#
Fluoranthene	0.020	mg/kg	0.0054	0.00097	SW846 8270E SIM	#
Fluorene	0.20	mg/kg	0.0054	0.0011	SW846 8270E SIM	#
Indeno(1,2,3-cd)pyrene	0.0035J	mg/kg	0.0054	0.00086	SW846 8270E SIM	#
Naphthalene	0.31	mg/kg	0.0054	0.0012	SW846 8270E SIM	#
Phenanthrene	0.48	mg/kg	0.0054	0.0012	SW846 8270E SIM	#
Pyrene	0.027	mg/kg	0.0054	0.00086	SW846 8270E SIM	#
<b>SEMIVOLATILES</b>						
1-Methylnaphthalene	1.1	mg/kg	0.11	0.018	SW846 8270E	#
2-Methylnaphthalene	2.0	mg/kg	0.11	0.018	SW846 8270E	#
Anthracene	0.035J	mg/kg	0.054	0.018	SW846 8270E	#
Dibenzofuran	0.059J	mg/kg	0.11	0.018	SW846 8270E	#
Fluoranthene	0.021J	mg/kg	0.054	0.018	SW846 8270E	#
Naphthalene	0.28	mg/kg	0.054	0.018	SW846 8270E	#
Phenanthrene	0.45	mg/kg	0.054	0.018	SW846 8270E	#
Pyrene	0.026J	mg/kg	0.054	0.018	SW846 8270E	#
<b>VOLATILE ORGANICS</b>						
Isopropylbenzene	0.047J	mg/kg	0.066	0.015	SW846 8260D	#
mp-Xylene	0.036J	mg/kg	0.13	0.034	SW846 8260D	#
Naphthalene	0.23	mg/kg	0.13	0.023	SW846 8260D	#
n-Butylbenzene	0.30	mg/kg	0.13	0.040	SW846 8260D	#
n-Propylbenzene	0.14	mg/kg	0.066	0.022	SW846 8260D	#
sec-Butylbenzene	0.17	mg/kg	0.066	0.021	SW846 8260D	#
<b>WET CHEMISTRY</b>						
Moisture	19.7	%	0.1	0.01	S2540G-11	#
Total Solids	80.3	%	0.1	0.01	S2540G-11	#

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**Detected Results Summary**

Client Sample ID	SB-23 (8-10)	Collected	06/05/2024 11:40
Lab Sample ID	3363483042	Lab Receipt	06/08/2024 08:37

Compound	Result	Units	RDL	MDL	Method	Flag
<b>GASOLINE RANGE ORGANICS</b>						
Gasoline Range Organics	4.0J	mg/kg	11.1	1.9	SW846 8015D	#
<b>PETROLEUM HC's</b>						
Diesel Range Organics C10-C28	10.3J	mg/kg	12.4	3.4	SW846 8015D	#
<b>SEMIVOLATILE SIM</b>						
1-Methylnaphthalene	0.056	mg/kg	0.0056	0.0010	SW846 8270E SIM	#
2-Methylnaphthalene	0.055	mg/kg	0.0056	0.0015	SW846 8270E SIM	#
Benzo(a)anthracene	0.0057	mg/kg	0.0056	0.00090	SW846 8270E SIM	#
Benzo(b)fluoranthene	0.012	mg/kg	0.0056	0.00090	SW846 8270E SIM	#
Benzo(g,h,i)perylene	0.017	mg/kg	0.0056	0.0011	SW846 8270E SIM	#
Benzo(k)fluoranthene	0.0049J	mg/kg	0.0056	0.0010	SW846 8270E SIM	#
Chrysene	0.016	mg/kg	0.0056	0.0010	SW846 8270E SIM	#
Dibenzo(a,h)anthracene	0.0028J	mg/kg	0.0056	0.00079	SW846 8270E SIM	#
Fluoranthene	0.012	mg/kg	0.0056	0.0010	SW846 8270E SIM	#
Indeno(1,2,3-cd)pyrene	0.0046J	mg/kg	0.0056	0.00090	SW846 8270E SIM	#
Naphthalene	0.025	mg/kg	0.0056	0.0012	SW846 8270E SIM	#
Phenanthrene	0.048	mg/kg	0.0056	0.0012	SW846 8270E SIM	#
Pyrene	0.019	mg/kg	0.0056	0.00090	SW846 8270E SIM	#
<b>SEMIVOLATILES</b>						
1-Methylnaphthalene	0.049J	mg/kg	0.11	0.019	SW846 8270E	#
2-Methylnaphthalene	0.051J	mg/kg	0.11	0.019	SW846 8270E	#
Naphthalene	0.023J	mg/kg	0.056	0.019	SW846 8270E	#
Phenanthrene	0.044J	mg/kg	0.056	0.019	SW846 8270E	#
<b>VOLATILE ORGANICS</b>						
Acetone	0.0091J	mg/kg	0.013	0.0059	SW846 8260D	#
<b>WET CHEMISTRY</b>						
Moisture	18.1	%	0.1	0.01	S2540G-11	#
Total Solids	81.9	%	0.1	0.01	S2540G-11	#

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**Detected Results Summary**

Client Sample ID SB-24 (4-6) Collected 06/05/2024 12:00  
 Lab Sample ID 3363483043 Lab Receipt 06/08/2024 08:37

Compound	Result	Units	RDL	MDL	Method	Flag
<b>GASOLINE RANGE ORGANICS</b>						
Gasoline Range Organics	3.7J	mg/kg	12.7	2.2	SW846 8015D	#
<b>PETROLEUM HC's</b>						
Diesel Range Organics C10-C28	24.7	mg/kg	12.7	3.5	SW846 8015D	#
<b>SEMIVOLATILE SIM</b>						
1-Methylnaphthalene	0.29	mg/kg	0.0062	0.0011	SW846 8270E SIM	#
2-Methylnaphthalene	0.14	mg/kg	0.0062	0.0016	SW846 8270E SIM	#
Benzo(a)anthracene	0.0044J	mg/kg	0.0062	0.00099	SW846 8270E SIM	#
Benzo(a)pyrene	0.0047J	mg/kg	0.0062	0.00099	SW846 8270E SIM	#
Benzo(b)fluoranthene	0.012	mg/kg	0.0062	0.00099	SW846 8270E SIM	#
Benzo(g,h,i)perylene	0.011	mg/kg	0.0062	0.0012	SW846 8270E SIM	#
Benzo(k)fluoranthene	0.0084	mg/kg	0.0062	0.0011	SW846 8270E SIM	#
Chrysene	0.011	mg/kg	0.0062	0.0011	SW846 8270E SIM	#
Fluoranthene	0.014	mg/kg	0.0062	0.0011	SW846 8270E SIM	#
Fluorene	0.0035J	mg/kg	0.0062	0.0012	SW846 8270E SIM	#
Indeno(1,2,3-cd)pyrene	0.0096	mg/kg	0.0062	0.00099	SW846 8270E SIM	#
Naphthalene	0.065	mg/kg	0.0062	0.0014	SW846 8270E SIM	#
Phenanthrene	0.016	mg/kg	0.0062	0.0014	SW846 8270E SIM	#
Pyrene	0.0094	mg/kg	0.0062	0.00099	SW846 8270E SIM	#
<b>SEMIVOLATILES</b>						
1-Methylnaphthalene	0.26	mg/kg	0.12	0.021	SW846 8270E	#
2-Methylnaphthalene	0.13	mg/kg	0.12	0.021	SW846 8270E	#
Naphthalene	0.043J	mg/kg	0.062	0.021	SW846 8270E	#
<b>VOLATILE ORGANICS</b>						
2-Butanone	0.0089J	mg/kg	0.012	0.0038	SW846 8260D	#
Acetone	0.12	mg/kg	0.012	0.0055	SW846 8260D	#
Methylene Chloride	0.0032	mg/kg	0.0024	0.00094	SW846 8260D	#
<b>WET CHEMISTRY</b>						
Moisture	20.5	%	0.1	0.01	S2540G-11	#
Total Solids	79.5	%	0.1	0.01	S2540G-11	#

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**Detected Results Summary**

Client Sample ID SB-24 (6-8) Collected 06/05/2024 12:00  
 Lab Sample ID 3363483044 Lab Receipt 06/08/2024 08:37

Compound	Result	Units	RDL	MDL	Method	Flag
<b>GASOLINE RANGE ORGANICS</b>						
Gasoline Range Organics	5.8J	mg/kg	11.6	2.0	SW846 8015D	#
<b>PETROLEUM HC's</b>						
Diesel Range Organics C10-C28	24.5	mg/kg	11.8	3.2	SW846 8015D	#
<b>SEMIVOLATILE SIM</b>						
1-Methylnaphthalene	0.48	mg/kg	0.0053	0.00095	SW846 8270E SIM	#
2-Methylnaphthalene	0.22	mg/kg	0.0053	0.0014	SW846 8270E SIM	#
Anthracene	0.0022J	mg/kg	0.0053	0.00085	SW846 8270E SIM	#
Benzo(a)anthracene	0.0092	mg/kg	0.0053	0.00085	SW846 8270E SIM	#
Benzo(a)pyrene	0.0054	mg/kg	0.0053	0.00085	SW846 8270E SIM	#
Benzo(b)fluoranthene	0.011	mg/kg	0.0053	0.00085	SW846 8270E SIM	#
Benzo(g,h,i)perylene	0.014	mg/kg	0.0053	0.0011	SW846 8270E SIM	#
Benzo(k)fluoranthene	0.0055	mg/kg	0.0053	0.00095	SW846 8270E SIM	#
Chrysene	0.022	mg/kg	0.0053	0.00095	SW846 8270E SIM	#
Dibenzo(a,h)anthracene	0.0029J	mg/kg	0.0053	0.00074	SW846 8270E SIM	#
Fluoranthene	0.017	mg/kg	0.0053	0.00095	SW846 8270E SIM	#
Fluorene	0.0051J	mg/kg	0.0053	0.0011	SW846 8270E SIM	#
Indeno(1,2,3-cd)pyrene	0.0034J	mg/kg	0.0053	0.00085	SW846 8270E SIM	#
Naphthalene	0.10	mg/kg	0.0053	0.0012	SW846 8270E SIM	#
Phenanthrene	0.074	mg/kg	0.0053	0.0012	SW846 8270E SIM	#
Pyrene	0.029	mg/kg	0.0053	0.00085	SW846 8270E SIM	#
<b>SEMIVOLATILES</b>						
1-Methylnaphthalene	0.44	mg/kg	0.11	0.018	SW846 8270E	#
2-Methylnaphthalene	0.20	mg/kg	0.11	0.018	SW846 8270E	#
Chrysene	0.020J	mg/kg	0.053	0.018	SW846 8270E	#
Naphthalene	0.058	mg/kg	0.053	0.018	SW846 8270E	#
Phenanthrene	0.065	mg/kg	0.053	0.018	SW846 8270E	#
Pyrene	0.025J	mg/kg	0.053	0.018	SW846 8270E	#
<b>VOLATILE ORGANICS</b>						
2-Butanone	0.0073J	mg/kg	0.011	0.0035	SW846 8260D	#
Acetone	0.051	mg/kg	0.011	0.0051	SW846 8260D	#
Methylene Chloride	0.0018J	mg/kg	0.0022	0.00086	SW846 8260D	#
sec-Butylbenzene	0.0011J	mg/kg	0.0022	0.00055	SW846 8260D	#
<b>WET CHEMISTRY</b>						
Moisture	10.7	%	0.1	0.01	S2540G-11	#
Total Solids	89.3	%	0.1	0.01	S2540G-11	#

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**Detected Results Summary**

Client Sample ID MW-05 (6-8) Collected 06/03/2024 16:05  
 Lab Sample ID 3363483045 Lab Receipt 06/08/2024 12:19

Compound	Result	Units	RDL	MDL	Method	Flag
<b>GASOLINE RANGE ORGANICS</b>						
Gasoline Range Organics	188	mg/kg	11.5	1.9	SW846 8015D	#
<b>PETROLEUM HC's</b>						
Diesel Range Organics C10-C28	1580	mg/kg	120	32.8	SW846 8015D	#
<b>SEMIVOLATILE SIM</b>						
1-Methylnaphthalene	0.73	mg/kg	0.0057	0.0010	SW846 8270E SIM	#
2-Methylnaphthalene	0.078	mg/kg	0.0057	0.0015	SW846 8270E SIM	#
Anthracene	0.26	mg/kg	0.0057	0.00091	SW846 8270E SIM	#
Benzo(a)anthracene	0.0034J	mg/kg	0.0057	0.00091	SW846 8270E SIM	#
Chrysene	0.0063	mg/kg	0.0057	0.0010	SW846 8270E SIM	#
Fluorene	0.51	mg/kg	0.0057	0.0011	SW846 8270E SIM	#
Naphthalene	0.038	mg/kg	0.0057	0.0012	SW846 8270E SIM	#
Phenanthrene	2.2	mg/kg	0.0057	0.0012	SW846 8270E SIM	#
Pyrene	0.068	mg/kg	0.0057	0.00091	SW846 8270E SIM	#
<b>SEMIVOLATILES</b>						
1-Methylnaphthalene	0.77	mg/kg	0.11	0.019	SW846 8270E	#
2-Methylnaphthalene	0.083J	mg/kg	0.11	0.019	SW846 8270E	#
Anthracene	0.24	mg/kg	0.057	0.019	SW846 8270E	#
Naphthalene	0.026J	mg/kg	0.057	0.019	SW846 8270E	#
Phenanthrene	2.3	mg/kg	0.057	0.019	SW846 8270E	#
Pyrene	0.063	mg/kg	0.057	0.019	SW846 8270E	#
<b>VOLATILE ORGANICS</b>						
Isopropylbenzene	0.077J	mg/kg	0.29	0.063	SW846 8260D	#
Naphthalene	0.22J	mg/kg	0.57	0.097	SW846 8260D	#
n-Butylbenzene	0.61	mg/kg	0.57	0.17	SW846 8260D	#
n-Propylbenzene	0.28J	mg/kg	0.29	0.094	SW846 8260D	#
sec-Butylbenzene	0.29	mg/kg	0.29	0.089	SW846 8260D	#
<b>WET CHEMISTRY</b>						
Moisture	15.0	%	0.1	0.01	S2540G-11	#
Total Solids	85.0	%	0.1	0.01	S2540G-11	#

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### Detected Results Summary

Client Sample ID	SB-17 (16-18)	Collected	06/03/2024 15:20
Lab Sample ID	3363483046	Lab Receipt	06/08/2024 08:37

Compound	Result	Units	RDL	MDL	Method	Flag
<b>GASOLINE RANGE ORGANICS</b>						
Gasoline Range Organics	3.9J	mg/kg	11.6	2.0	SW846 8015D	#
<b>PETROLEUM HC's</b>						
Diesel Range Organics C10-C28	24.7	mg/kg	11.8	3.2	SW846 8015D	#
<b>SEMIVOLATILE SIM</b>						
1-Methylnaphthalene	0.086	mg/kg	0.0049	0.00088	SW846 8270E SIM	#
2-Methylnaphthalene	0.067	mg/kg	0.0049	0.0013	SW846 8270E SIM	#
Acenaphthene	0.0067	mg/kg	0.0049	0.00088	SW846 8270E SIM	#
Anthracene	0.0062	mg/kg	0.0049	0.00078	SW846 8270E SIM	#
Benzo(a)anthracene	0.0086	mg/kg	0.0049	0.00078	SW846 8270E SIM	#
Benzo(a)pyrene	0.012	mg/kg	0.0049	0.00078	SW846 8270E SIM	#
Benzo(b)fluoranthene	0.019	mg/kg	0.0049	0.00078	SW846 8270E SIM	#
Benzo(g,h,i)perylene	0.040	mg/kg	0.0049	0.00098	SW846 8270E SIM	#
Benzo(k)fluoranthene	0.0092	mg/kg	0.0049	0.00088	SW846 8270E SIM	#
Chrysene	0.023	mg/kg	0.0049	0.00088	SW846 8270E SIM	#
Dibenzo(a,h)anthracene	0.0040J	mg/kg	0.0049	0.00068	SW846 8270E SIM	#
Fluoranthene	0.018	mg/kg	0.0049	0.00088	SW846 8270E SIM	#
Fluorene	0.018	mg/kg	0.0049	0.00098	SW846 8270E SIM	#
Indeno(1,2,3-cd)pyrene	0.0098	mg/kg	0.0049	0.00078	SW846 8270E SIM	#
Naphthalene	0.034	mg/kg	0.0049	0.0011	SW846 8270E SIM	#
Phenanthrene	0.094	mg/kg	0.0049	0.0011	SW846 8270E SIM	#
Pyrene	0.023	mg/kg	0.0049	0.00078	SW846 8270E SIM	#
<b>SEMIVOLATILES</b>						
1-Methylnaphthalene	0.077J	mg/kg	0.098	0.017	SW846 8270E	#
2-Methylnaphthalene	0.062J	mg/kg	0.098	0.017	SW846 8270E	#
Benzo(b)fluoranthene	0.020J	mg/kg	0.049	0.017	SW846 8270E	#
Benzo(g,h,i)perylene	0.034J	mg/kg	0.049	0.017	SW846 8270E	#
Chrysene	0.025J	mg/kg	0.049	0.017	SW846 8270E	#
Dibenzofuran	0.037J	mg/kg	0.098	0.017	SW846 8270E	#
Naphthalene	0.032J	mg/kg	0.049	0.017	SW846 8270E	#
Phenanthrene	0.088	mg/kg	0.049	0.017	SW846 8270E	#
Pyrene	0.022J	mg/kg	0.049	0.017	SW846 8270E	#
<b>VOLATILE ORGANICS</b>						
Acetone	0.0077J	mg/kg	0.010	0.0048	SW846 8260D	#
Methylene Chloride	0.0054	mg/kg	0.0021	0.00081	SW846 8260D	#
<b>WET CHEMISTRY</b>						
Moisture	11.7	%	0.1	0.01	S2540G-11	#
Total Solids	88.3	%	0.1	0.01	S2540G-11	#

DRAFT





## Results

Client Sample ID	SB-09 (4-6)	Collected	06/03/2024 12:00
Lab Sample ID	3363483001	Lab Receipt	06/08/2024 08:37

### GASOLINE RANGE ORGANICS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Gasoline Range Organics	300	P1,P2	mg/kg	12.7	2.2	SW846 8015D	100	06/10/2024 22:27	JTH	A1

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
a,a,a-Trifluorotoluene	98-08-8	115%	72 - 134	06/10/2024 22:27	

### PETROLEUM HC's

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Diesel Range Organics C10-C28	206	P1,P2	mg/kg	14.0	3.8	SW846 8015D	1	06/15/2024 01:29	AJW	A

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
o-Terphenyl	84-15-1	71.6%	36 - 122	06/15/2024 01:29	

### SEMIVOLATILE SIM

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,4-Dioxane	0.0030U	U,P1,P2	mg/kg	0.0059	0.0030	SW846 8270E SIM	1	06/18/2024 05:33	S7M	A
1-Methylnaphthalene	0.50	P1,P2	mg/kg	0.0059	0.0011	SW846 8270E SIM	1	06/18/2024 05:33	S7M	A
2-Methylnaphthalene	0.74	E,P1,P2	mg/kg	0.0059	0.0015	SW846 8270E SIM	1	06/18/2024 05:33	S7M	A
Acenaphthene	0.0011U	U,P1,P2	mg/kg	0.0059	0.0011	SW846 8270E SIM	1	06/18/2024 05:33	S7M	A
Acenaphthylene	0.0011U	U,P1,P2	mg/kg	0.0059	0.0011	SW846 8270E SIM	1	06/18/2024 05:33	S7M	A
Anthracene	0.022	P1,P2	mg/kg	0.0059	0.00095	SW846 8270E SIM	1	06/18/2024 05:33	S7M	A
Benzo(a)anthracene	0.00095U	U,P1,P2	mg/kg	0.0059	0.00095	SW846 8270E SIM	1	06/18/2024 05:33	S7M	A
Benzo(a)pyrene	0.00095U	U,P1,P2	mg/kg	0.0059	0.00095	SW846 8270E SIM	1	06/18/2024 05:33	S7M	A
Benzo(b)fluoranthene	0.00095U	U,P1,P2	mg/kg	0.0059	0.00095	SW846 8270E SIM	1	06/18/2024 05:33	S7M	A
Benzo(g,h,i)perylene	0.0012U	U,P1,P2	mg/kg	0.0059	0.0012	SW846 8270E SIM	1	06/18/2024 05:33	S7M	A
Benzo(k)fluoranthene	0.0011U	U,P1,P2	mg/kg	0.0059	0.0011	SW846 8270E SIM	1	06/18/2024 05:33	S7M	A
Chrysene	0.0011U	U,P1,P2	mg/kg	0.0059	0.0011	SW846 8270E SIM	1	06/18/2024 05:33	S7M	A
Dibenzo(a,h)anthracene	0.00083U	U,P1,P2	mg/kg	0.0059	0.00083	SW846 8270E SIM	1	06/18/2024 05:33	S7M	A
Fluoranthene	0.0011U	U,P1,P2	mg/kg	0.0059	0.0011	SW846 8270E SIM	1	06/18/2024 05:33	S7M	A
Fluorene	0.088	P1,P2	mg/kg	0.0059	0.0012	SW846 8270E SIM	1	06/18/2024 05:33	S7M	A
Indeno(1,2,3-cd)pyrene	0.00095U	U,P1,P2	mg/kg	0.0059	0.00095	SW846 8270E SIM	1	06/18/2024 05:33	S7M	A
Naphthalene	0.32	P1,P2	mg/kg	0.0059	0.0013	SW846 8270E SIM	1	06/18/2024 05:33	S7M	A
Phenanthrene	0.21	P1,P2	mg/kg	0.0059	0.0013	SW846 8270E SIM	1	06/18/2024 05:33	S7M	A



## Results

Client Sample ID	SB-09 (4-6)	Collected	06/03/2024 12:00
Lab Sample ID	3363483001	Lab Receipt	06/08/2024 08:37

### SEMIVOLATILE SIM (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Pyrene	0.0083	P1,P2	mg/kg	0.0059	0.00095	SW846 8270E SIM	1	06/18/2024 05:33	S7M	A

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
2-Methylnaphthalene-d10	7297-45-2	89.4%	50 - 150	06/18/2024 05:33	
Fluoranthene-d10	93951-69-0	95.7%	50 - 150	06/18/2024 05:33	

### SEMIVOLATILES

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1-Methylnaphthalene	0.56	P1,P2	mg/kg	0.12	0.020	SW846 8270E	1	06/17/2024 12:24	S7M	A
2-Methylnaphthalene	0.83	P1,P2	mg/kg	0.12	0.020	SW846 8270E	1	06/17/2024 12:24	S7M	A
Acenaphthene	0.020U	U,P1,P2	mg/kg	0.059	0.020	SW846 8270E	1	06/17/2024 12:24	S7M	A
Acenaphthylene	0.020U	U,P1,P2	mg/kg	0.059	0.020	SW846 8270E	1	06/17/2024 12:24	S7M	A
Anthracene	0.020U	U,P1,P2	mg/kg	0.059	0.020	SW846 8270E	1	06/17/2024 12:24	S7M	A
Benzo(a)anthracene	0.020U	U,P1,P2	mg/kg	0.059	0.020	SW846 8270E	1	06/17/2024 12:24	S7M	A
Benzo(a)pyrene	0.020U	U,P1,P2	mg/kg	0.059	0.020	SW846 8270E	1	06/17/2024 12:24	S7M	A
Benzo(b)fluoranthene	0.020U	U,P1,P2	mg/kg	0.059	0.020	SW846 8270E	1	06/17/2024 12:24	S7M	A
Benzo(g,h,i)perylene	0.020U	U,P1,P2	mg/kg	0.059	0.020	SW846 8270E	1	06/17/2024 12:24	S7M	A
Benzo(k)fluoranthene	0.020U	U,P1,P2	mg/kg	0.059	0.020	SW846 8270E	1	06/17/2024 12:24	S7M	A
Carbazole	0.020U	U,P1,P2	mg/kg	0.12	0.020	SW846 8270E	1	06/17/2024 12:24	S7M	A
Chrysene	0.020U	U,P1,P2	mg/kg	0.059	0.020	SW846 8270E	1	06/17/2024 12:24	S7M	A
Dibenzo(a,h)anthracene	0.020U	U,P1,P2	mg/kg	0.059	0.020	SW846 8270E	1	06/17/2024 12:24	S7M	A
Dibenzofuran	0.020U	U,P1,P2	mg/kg	0.12	0.020	SW846 8270E	1	06/17/2024 12:24	S7M	A
Fluoranthene	0.020U	U,P1,P2	mg/kg	0.059	0.020	SW846 8270E	1	06/17/2024 12:24	S7M	A
Fluorene	0.097	P1,P2	mg/kg	0.059	0.020	SW846 8270E	1	06/17/2024 12:24	S7M	A
Indeno(1,2,3-cd)pyrene	0.020U	U,P1,P2	mg/kg	0.059	0.020	SW846 8270E	1	06/17/2024 12:24	S7M	A
Naphthalene	0.31	P1,P2	mg/kg	0.059	0.020	SW846 8270E	1	06/17/2024 12:24	S7M	A
Phenanthrene	0.23	P1,P2	mg/kg	0.059	0.020	SW846 8270E	1	06/17/2024 12:24	S7M	A
Pyrene	0.020U	U,P1,P2	mg/kg	0.059	0.020	SW846 8270E	1	06/17/2024 12:24	S7M	A

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
2,4,6-Tribromophenol	118-79-6	88.3%	19 - 132	06/17/2024 12:24	
2-Fluorobiphenyl	321-60-8	75.8%	40 - 110	06/17/2024 12:24	
2-Fluorophenol	367-12-4	70.8%	26 - 116	06/17/2024 12:24	
Nitrobenzene-d5	4165-60-0	75.3%	38 - 112	06/17/2024 12:24	
Phenol-d5	4165-62-2	80.1%	35 - 111	06/17/2024 12:24	
Terphenyl-d14	98904-43-9	95.1%	45 - 126	06/17/2024 12:24	

### VOLATILE ORGANICS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1-Trichloroethane	0.014U	U,P1,P2	mg/kg	0.064	0.014	SW846 8260D	50	06/13/2024 00:06	BST	A1



**Results**

Client Sample ID	SB-09 (4-6)	Collected	06/03/2024 12:00
Lab Sample ID	3363483001	Lab Receipt	06/08/2024 08:37

**VOLATILE ORGANICS (cont.)**

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,2,2-Tetrachloroethane	0.022U	U,P1,P2	mg/kg	0.064	0.022	SW846 8260D	50	06/13/2024 00:06	BST	A1
1,1,2-Trichloroethane	0.021U	U,P1,P2	mg/kg	0.064	0.021	SW846 8260D	50	06/13/2024 00:06	BST	A1
1,1-Dichloroethane	0.018U	U,P1,P2	mg/kg	0.064	0.018	SW846 8260D	50	06/13/2024 00:06	BST	A1
1,1-Dichloroethene	0.018U	U,P1,P2	mg/kg	0.064	0.018	SW846 8260D	50	06/13/2024 00:06	BST	A1
1,1-Dichloropropene	0.017U	U,P1,P2	mg/kg	0.064	0.017	SW846 8260D	50	06/13/2024 00:06	BST	A1
1,2,3-Trichlorobenzene	0.059U	U,P1,P2	mg/kg	0.13	0.059	SW846 8260D	50	06/13/2024 00:06	BST	A1
1,2,3-Trichloropropane	0.038U	U,P1,P2	mg/kg	0.13	0.038	SW846 8260D	50	06/13/2024 00:06	BST	A1
1,2,4-Trichlorobenzene	0.052U	U,P1,P2	mg/kg	0.13	0.052	SW846 8260D	50	06/13/2024 00:06	BST	A1
1,2,4-Trimethylbenzene	25.1	P1,P2	mg/kg	0.64	0.16	SW846 8260D	500	06/14/2024 17:17	BST	A1
1,2-Dibromo-3-chloropropane	0.095U	U,P1,P2	mg/kg	0.45	0.095	SW846 8260D	50	06/13/2024 00:06	BST	A1
1,2-Dibromoethane	0.018U	U,P1,P2	mg/kg	0.064	0.018	SW846 8260D	50	06/13/2024 00:06	BST	A1
1,2-Dichlorobenzene	0.024U	U,P1,P2	mg/kg	0.064	0.024	SW846 8260D	50	06/13/2024 00:06	BST	A1
1,2-Dichloroethane	0.020U	U,P1,P2	mg/kg	0.064	0.020	SW846 8260D	50	06/13/2024 00:06	BST	A1
1,2-Dichloropropane	0.015U	U,P1,P2	mg/kg	0.064	0.015	SW846 8260D	50	06/13/2024 00:06	BST	A1
1,3,5-Trimethylbenzene	3.7	P1,P2	mg/kg	0.064	0.013	SW846 8260D	50	06/13/2024 00:06	BST	A1
1,3-Dichlorobenzene	0.016U	U,P1,P2	mg/kg	0.064	0.016	SW846 8260D	50	06/13/2024 00:06	BST	A1
1,3-Dichloropropane	0.017U	U,P1,P2	mg/kg	0.064	0.017	SW846 8260D	50	06/13/2024 00:06	BST	A1
1,4-Dichlorobenzene	0.017U	U,P1,P2	mg/kg	0.064	0.017	SW846 8260D	50	06/13/2024 00:06	BST	A1
2,2-Dichloropropane	0.020U	U,P1,P2	mg/kg	0.064	0.020	SW846 8260D	50	06/13/2024 00:06	BST	A1
2-Butanone	0.11U	U,P1,P2	mg/kg	0.64	0.11	SW846 8260D	50	06/13/2024 00:06	BST	A1
2-Hexanone	0.083U	U,P1,P2	mg/kg	0.32	0.083	SW846 8260D	50	06/13/2024 00:06	BST	A1
4-Methyl-2-Pentanone(MIBK)	0.095U	U,P1,P2	mg/kg	0.32	0.095	SW846 8260D	50	06/13/2024 00:06	BST	A1
Acetone	0.20U	U,P1,P2	mg/kg	0.64	0.20	SW846 8260D	50	06/13/2024 00:06	BST	A1
Benzene	0.015U	U,P1,P2	mg/kg	0.064	0.015	SW846 8260D	50	06/13/2024 00:06	BST	A1
Bromobenzene	0.020U	U,P1,P2	mg/kg	0.064	0.020	SW846 8260D	50	06/13/2024 00:06	BST	A1
Bromochloromethane	0.020U	U,P1,P2	mg/kg	0.064	0.020	SW846 8260D	50	06/13/2024 00:06	BST	A1
Bromodichloromethane	0.017U	U,P1,P2	mg/kg	0.064	0.017	SW846 8260D	50	06/13/2024 00:06	BST	A1
Bromoform	0.025U	U,P1,P2	mg/kg	0.064	0.025	SW846 8260D	50	06/13/2024 00:06	BST	A1
Bromomethane	0.025U	U,P1,P2	mg/kg	0.064	0.025	SW846 8260D	50	06/13/2024 00:06	BST	A1
Carbon Disulfide	0.015U	U,P1,P2	mg/kg	0.064	0.015	SW846 8260D	50	06/13/2024 00:06	BST	A1
Carbon Tetrachloride	0.020U	U,P1,P2	mg/kg	0.064	0.020	SW846 8260D	50	06/13/2024 00:06	BST	A1
Chlorobenzene	0.012U	U,P1,P2	mg/kg	0.064	0.012	SW846 8260D	50	06/13/2024 00:06	BST	A1
Chlorodibromomethane	0.029U	U,P1,P2	mg/kg	0.064	0.029	SW846 8260D	50	06/13/2024 00:06	BST	A1
Chloroethane	0.021U	U,P1,P2	mg/kg	0.064	0.021	SW846 8260D	50	06/13/2024 00:06	BST	A1
Chloroform	0.013U	U,P1,P2	mg/kg	0.064	0.013	SW846 8260D	50	06/13/2024 00:06	BST	A1
Chloromethane	0.020U	U,P1,P2	mg/kg	0.064	0.020	SW846 8260D	50	06/13/2024 00:06	BST	A1
cis-1,2-Dichloroethene	0.020U	U,P1,P2	mg/kg	0.064	0.020	SW846 8260D	50	06/13/2024 00:06	BST	A1
cis-1,3-Dichloropropene	0.020U	U,P1,P2	mg/kg	0.064	0.020	SW846 8260D	50	06/13/2024 00:06	BST	A1
Dibromomethane	0.020U	U,P1,P2	mg/kg	0.064	0.020	SW846 8260D	50	06/13/2024 00:06	BST	A1
Dichlorodifluoromethane	0.021U	U,P1,P2	mg/kg	0.064	0.021	SW846 8260D	50	06/13/2024 00:06	BST	A1
Ethylbenzene	2.1	P1,P2	mg/kg	0.064	0.022	SW846 8260D	50	06/13/2024 00:06	BST	A1
Freon 113	0.017U	U,P1,P2	mg/kg	0.064	0.017	SW846 8260D	50	06/13/2024 00:06	BST	A1
Hexachlorobutadiene	0.064U	U,P1,P2	mg/kg	0.32	0.064	SW846 8260D	50	06/13/2024 00:06	BST	A1
Isopropylbenzene	0.75	P1,P2	mg/kg	0.064	0.014	SW846 8260D	50	06/13/2024 00:06	BST	A1
Methyl t-Butyl Ether	0.021U	U,P1,P2	mg/kg	0.064	0.021	SW846 8260D	50	06/13/2024 00:06	BST	A1
Methylene Chloride	0.029U	U,P1,P2	mg/kg	0.064	0.029	SW846 8260D	50	06/13/2024 00:06	BST	A1
mp-Xylene	3.8	P1,P2	mg/kg	0.13	0.033	SW846 8260D	50	06/13/2024 00:06	BST	A1

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## Results

Client Sample ID	SB-09 (4-6)	Collected	06/03/2024 12:00
Lab Sample ID	3363483001	Lab Receipt	06/08/2024 08:37

### VOLATILE ORGANICS (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Naphthalene	5.1	P1,P2	mg/kg	0.13	0.022	SW846 8260D	50	06/13/2024 00:06	BST	A1
n-Butylbenzene	1.7	P1,P2	mg/kg	0.13	0.038	SW846 8260D	50	06/13/2024 00:06	BST	A1
n-Propylbenzene	3.0	P1,P2	mg/kg	0.064	0.021	SW846 8260D	50	06/13/2024 00:06	BST	A1
o-Chlorotoluene	0.017U	U,P1,P2	mg/kg	0.064	0.017	SW846 8260D	50	06/13/2024 00:06	BST	A1
o-Xylene	0.021U	U,P1,P2	mg/kg	0.064	0.021	SW846 8260D	50	06/13/2024 00:06	BST	A1
p-Chlorotoluene	0.021U	U,P1,P2	mg/kg	0.064	0.021	SW846 8260D	50	06/13/2024 00:06	BST	A1
p-Isopropyltoluene	0.020U	U,P1,P2	mg/kg	0.064	0.020	SW846 8260D	50	06/13/2024 00:06	BST	A1
sec-Butylbenzene	0.020U	U,P1,P2	mg/kg	0.064	0.020	SW846 8260D	50	06/13/2024 00:06	BST	A1
Styrene	0.015U	U,P1,P2	mg/kg	0.064	0.015	SW846 8260D	50	06/13/2024 00:06	BST	A1
tert-Butylbenzene	0.028U	U,P1,P2	mg/kg	0.13	0.028	SW846 8260D	50	06/13/2024 00:06	BST	A1
Tetrachloroethene	0.022U	U,P1,P2	mg/kg	0.064	0.022	SW846 8260D	50	06/13/2024 00:06	BST	A1
Toluene	0.015U	U,P1,P2	mg/kg	0.064	0.015	SW846 8260D	50	06/13/2024 00:06	BST	A1
Total Xylenes	3.8	P1,P2	mg/kg	0.19	0.042	SW846 8260D	50	06/13/2024 00:06	BST	A1
trans-1,2-Dichloroethene	0.017U	U,P1,P2	mg/kg	0.064	0.017	SW846 8260D	50	06/13/2024 00:06	BST	A1
trans-1,3-Dichloropropene	0.018U	U,P1,P2	mg/kg	0.064	0.018	SW846 8260D	50	06/13/2024 00:06	BST	A1
Trichloroethene	0.021U	U,P1,P2	mg/kg	0.064	0.021	SW846 8260D	50	06/13/2024 00:06	BST	A1
Trichlorofluoromethane	0.015U	U,P1,P2	mg/kg	0.064	0.015	SW846 8260D	50	06/13/2024 00:06	BST	A1
Vinyl Chloride	0.019U	U,P1,P2	mg/kg	0.064	0.019	SW846 8260D	50	06/13/2024 00:06	BST	A1

### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	95.7%	71 - 146	06/13/2024 00:06	
1,2-Dichloroethane-d4	17060-07-0	97.2%	71 - 146	06/14/2024 17:17	
4-Bromofluorobenzene	460-00-4	93.9%	46 - 138	06/13/2024 00:06	
4-Bromofluorobenzene	460-00-4	101%	46 - 138	06/14/2024 17:17	
Dibromofluoromethane	1868-53-7	78.1%	42 - 143	06/13/2024 00:06	
Dibromofluoromethane	1868-53-7	86.5%	42 - 143	06/14/2024 17:17	
Toluene-d8	2037-26-5	97.8%	54 - 141	06/13/2024 00:06	
Toluene-d8	2037-26-5	101%	54 - 141	06/14/2024 17:17	

### WET CHEMISTRY

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Moisture	26.1	P1,P2	%	0.1	0.01	S2540G-11	1	06/11/2024 14:37	J1K	A
Total Solids	73.9	1,P1,P2	%	0.1	0.01	S2540G-11	1	06/11/2024 14:37	J1K	A



## Results

Client Sample ID	SB-09 (10-12)	Collected	06/03/2024 12:00
Lab Sample ID	3363483002	Lab Receipt	06/08/2024 08:37

### GASOLINE RANGE ORGANICS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Gasoline Range Organics	5.9J	J,P1,P2	mg/kg	11.6	2.0	SW846 8015D	100	06/10/2024 22:53	JTH	A1

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
a,a,a-Trifluorotoluene	98-08-8	105%	72 - 134	06/10/2024 22:53	

### PETROLEUM HC's

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Diesel Range Organics C10-C28	45.5	P1,P2	mg/kg	13.5	3.7	SW846 8015D	1	06/15/2024 02:01	AJW	A

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
o-Terphenyl	84-15-1	79.1%	36 - 122	06/15/2024 02:01	

### SEMIVOLATILE SIM

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,4-Dioxane	0.0029U	U,P1,P2	mg/kg	0.0057	0.0029	SW846 8270E SIM	1	06/18/2024 06:00	S7M	A
1-Methylnaphthalene	0.041	P1,P2	mg/kg	0.0057	0.0010	SW846 8270E SIM	1	06/18/2024 06:00	S7M	A
2-Methylnaphthalene	0.034	P1,P2	mg/kg	0.0057	0.0015	SW846 8270E SIM	1	06/18/2024 06:00	S7M	A
Acenaphthene	0.0010U	U,P1,P2	mg/kg	0.0057	0.0010	SW846 8270E SIM	1	06/18/2024 06:00	S7M	A
Acenaphthylene	0.0010U	U,P1,P2	mg/kg	0.0057	0.0010	SW846 8270E SIM	1	06/18/2024 06:00	S7M	A
Anthracene	0.00092U	U,P1,P2	mg/kg	0.0057	0.00092	SW846 8270E SIM	1	06/18/2024 06:00	S7M	A
Benzo(a)anthracene	0.0064	P1,P2	mg/kg	0.0057	0.00092	SW846 8270E SIM	1	06/18/2024 06:00	S7M	A
Benzo(a)pyrene	0.0052J	J,P1,P2	mg/kg	0.0057	0.00092	SW846 8270E SIM	1	06/18/2024 06:00	S7M	A
Benzo(b)fluoranthene	0.0097	P1,P2	mg/kg	0.0057	0.00092	SW846 8270E SIM	1	06/18/2024 06:00	S7M	A
Benzo(g,h,i)perylene	0.018	P1,P2	mg/kg	0.0057	0.0011	SW846 8270E SIM	1	06/18/2024 06:00	S7M	A
Benzo(k)fluoranthene	0.0039J	J,P1,P2	mg/kg	0.0057	0.0010	SW846 8270E SIM	1	06/18/2024 06:00	S7M	A
Chrysene	0.015	P1,P2	mg/kg	0.0057	0.0010	SW846 8270E SIM	1	06/18/2024 06:00	S7M	A
Dibenzo(a,h)anthracene	0.00080U	U,P1,P2	mg/kg	0.0057	0.00080	SW846 8270E SIM	1	06/18/2024 06:00	S7M	A
Fluoranthene	0.0096	P1,P2	mg/kg	0.0057	0.0010	SW846 8270E SIM	1	06/18/2024 06:00	S7M	A
Fluorene	0.0035J	J,P1,P2	mg/kg	0.0057	0.0011	SW846 8270E SIM	1	06/18/2024 06:00	S7M	A
Indeno(1,2,3-cd)pyrene	0.0042J	J,P1,P2	mg/kg	0.0057	0.00092	SW846 8270E SIM	1	06/18/2024 06:00	S7M	A
Naphthalene	0.013	P1,P2	mg/kg	0.0057	0.0013	SW846 8270E SIM	1	06/18/2024 06:00	S7M	A
Phenanthrene	0.038	P1,P2	mg/kg	0.0057	0.0013	SW846 8270E SIM	1	06/18/2024 06:00	S7M	A



## Results

Client Sample ID	SB-09 (10-12)	Collected	06/03/2024 12:00
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### SEMIVOLATILE SIM (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Pyrene	0.014	P1,P2	mg/kg	0.0057	0.00092	SW846 8270E SIM	1	06/18/2024 06:00	S7M	A

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
2-Methylnaphthalene-d10	7297-45-2	63.8%	50 - 150	06/18/2024 06:00	
Fluoranthene-d10	93951-69-0	72.1%	50 - 150	06/18/2024 06:00	

### SEMIVOLATILES

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1-Methylnaphthalene	0.041J	J,P1,P2	mg/kg	0.11	0.020	SW846 8270E	1	06/17/2024 12:51	S7M	A
2-Methylnaphthalene	0.036J	J,P1,P2	mg/kg	0.11	0.020	SW846 8270E	1	06/17/2024 12:51	S7M	A
Acenaphthene	0.020U	U,P1,P2	mg/kg	0.057	0.020	SW846 8270E	1	06/17/2024 12:51	S7M	A
Acenaphthylene	0.020U	U,P1,P2	mg/kg	0.057	0.020	SW846 8270E	1	06/17/2024 12:51	S7M	A
Anthracene	0.020U	U,P1,P2	mg/kg	0.057	0.020	SW846 8270E	1	06/17/2024 12:51	S7M	A
Benzo(a)anthracene	0.020U	U,P1,P2	mg/kg	0.057	0.020	SW846 8270E	1	06/17/2024 12:51	S7M	A
Benzo(a)pyrene	0.020U	U,P1,P2	mg/kg	0.057	0.020	SW846 8270E	1	06/17/2024 12:51	S7M	A
Benzo(b)fluoranthene	0.020U	U,P1,P2	mg/kg	0.057	0.020	SW846 8270E	1	06/17/2024 12:51	S7M	A
Benzo(g,h,i)perylene	0.020U	U,P1,P2	mg/kg	0.057	0.020	SW846 8270E	1	06/17/2024 12:51	S7M	A
Benzo(k)fluoranthene	0.020U	U,P1,P2	mg/kg	0.057	0.020	SW846 8270E	1	06/17/2024 12:51	S7M	A
Carbazole	0.020U	U,P1,P2	mg/kg	0.11	0.020	SW846 8270E	1	06/17/2024 12:51	S7M	A
Chrysene	0.020U	U,P1,P2	mg/kg	0.057	0.020	SW846 8270E	1	06/17/2024 12:51	S7M	A
Dibenzo(a,h)anthracene	0.020U	U,P1,P2	mg/kg	0.057	0.020	SW846 8270E	1	06/17/2024 12:51	S7M	A
Dibenzofuran	0.020U	U,P1,P2	mg/kg	0.11	0.020	SW846 8270E	1	06/17/2024 12:51	S7M	A
Fluoranthene	0.020U	U,P1,P2	mg/kg	0.057	0.020	SW846 8270E	1	06/17/2024 12:51	S7M	A
Fluorene	0.020U	U,P1,P2	mg/kg	0.057	0.020	SW846 8270E	1	06/17/2024 12:51	S7M	A
Indeno(1,2,3-cd)pyrene	0.020U	U,P1,P2	mg/kg	0.057	0.020	SW846 8270E	1	06/17/2024 12:51	S7M	A
Naphthalene	0.020U	U,P1,P2	mg/kg	0.057	0.020	SW846 8270E	1	06/17/2024 12:51	S7M	A
Phenanthrene	0.042J	J,P1,P2	mg/kg	0.057	0.020	SW846 8270E	1	06/17/2024 12:51	S7M	A
Pyrene	0.020U	U,P1,P2	mg/kg	0.057	0.020	SW846 8270E	1	06/17/2024 12:51	S7M	A

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
2,4,6-Tribromophenol	118-79-6	69.4%	19 - 132	06/17/2024 12:51	
2-Fluorobiphenyl	321-60-8	60.9%	40 - 110	06/17/2024 12:51	
2-Fluorophenol	367-12-4	52.5%	26 - 116	06/17/2024 12:51	
Nitrobenzene-d5	4165-60-0	56.8%	38 - 112	06/17/2024 12:51	
Phenol-d5	4165-62-2	60.9%	35 - 111	06/17/2024 12:51	
Terphenyl-d14	98904-43-9	79%	45 - 126	06/17/2024 12:51	

### VOLATILE ORGANICS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1-Trichloroethane	0.00075U	U,P1,P2	mg/kg	0.0024	0.00075	SW846 8260D	1	06/11/2024 22:36	TMP	A3





**Results**

Client Sample ID SB-09 (10-12) Collected 06/03/2024 12:00  
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**VOLATILE ORGANICS (cont.)**

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,2,2-Tetrachloroethane	0.00068U	U,P1,P2	mg/kg	0.0024	0.00068	SW846 8260D	1	06/11/2024 22:36	TMP	A3
1,1,2-Trichloroethane	0.00068U	U,P1,P2	mg/kg	0.0024	0.00068	SW846 8260D	1	06/11/2024 22:36	TMP	A3
1,1-Dichloroethane	0.00061U	U,P1,P2	mg/kg	0.0024	0.00061	SW846 8260D	1	06/11/2024 22:36	TMP	A3
1,1-Dichloroethene	0.00063U	U,P1,P2	mg/kg	0.0024	0.00063	SW846 8260D	1	06/11/2024 22:36	TMP	A3
1,1-Dichloropropene	0.00061U	U,P1,P2	mg/kg	0.0024	0.00061	SW846 8260D	1	06/11/2024 22:36	TMP	A3
1,2,3-Trichlorobenzene	0.00061U	U,P1,P2	mg/kg	0.0061	0.00061	SW846 8260D	1	06/11/2024 22:36	TMP	A3
1,2,3-Trichloropropane	0.00061U	U,P1,P2	mg/kg	0.0024	0.00061	SW846 8260D	1	06/11/2024 22:36	TMP	A3
1,2,4-Trichlorobenzene	0.00061U	U,P1,P2	mg/kg	0.0061	0.00061	SW846 8260D	1	06/11/2024 22:36	TMP	A3
1,2,4-Trimethylbenzene	0.00061U	U,P1,P2	mg/kg	0.0024	0.00061	SW846 8260D	1	06/11/2024 22:36	TMP	A3
1,2-Dibromo-3-chloropropane	0.00030U	U,P1,P2	mg/kg	0.0024	0.00030	SW846 8260D	1	06/11/2024 22:36	TMP	A3
1,2-Dibromoethane	0.00066U	U,P1,P2	mg/kg	0.0024	0.00066	SW846 8260D	1	06/11/2024 22:36	TMP	A3
1,2-Dichlorobenzene	0.00061U	U,P1,P2	mg/kg	0.0024	0.00061	SW846 8260D	1	06/11/2024 22:36	TMP	A3
1,2-Dichloroethane	0.00061U	U,P1,P2	mg/kg	0.0024	0.00061	SW846 8260D	1	06/11/2024 22:36	TMP	A3
1,2-Dichloropropane	0.00073U	U,P1,P2	mg/kg	0.0024	0.00073	SW846 8260D	1	06/11/2024 22:36	TMP	A3
1,3,5-Trimethylbenzene	0.00061U	U,P1,P2	mg/kg	0.0024	0.00061	SW846 8260D	1	06/11/2024 22:36	TMP	A3
1,3-Dichlorobenzene	0.00061U	U,P1,P2	mg/kg	0.0024	0.00061	SW846 8260D	1	06/11/2024 22:36	TMP	A3
1,3-Dichloropropane	0.0010U	U,P1,P2	mg/kg	0.0024	0.0010	SW846 8260D	1	06/11/2024 22:36	TMP	A3
1,4-Dichlorobenzene	0.00061U	U,P1,P2	mg/kg	0.0024	0.00061	SW846 8260D	1	06/11/2024 22:36	TMP	A3
2,2-Dichloropropane	0.00061U	U,P1,P2	mg/kg	0.0024	0.00061	SW846 8260D	1	06/11/2024 22:36	TMP	A3
2-Butanone	0.0045J	J,P1,P2	mg/kg	0.012	0.0039	SW846 8260D	1	06/11/2024 22:36	TMP	A3
2-Hexanone	0.0034U	U,P1,P2	mg/kg	0.012	0.0034	SW846 8260D	1	06/11/2024 22:36	TMP	A3
4-Methyl-2-Pentanone(MIBK)	0.0046U	U,P1,P2	mg/kg	0.012	0.0046	SW846 8260D	1	06/11/2024 22:36	TMP	A3
Acetone	0.050	P1,P2	mg/kg	0.012	0.0056	SW846 8260D	1	06/11/2024 22:36	TMP	A3
Benzene	0.11	P1,P2	mg/kg	0.0024	0.00061	SW846 8260D	1	06/11/2024 22:36	TMP	A3
Bromobenzene	0.00061U	U,P1,P2	mg/kg	0.0024	0.00061	SW846 8260D	1	06/11/2024 22:36	TMP	A3
Bromochloromethane	0.00061U	U,P1,P2	mg/kg	0.0024	0.00061	SW846 8260D	1	06/11/2024 22:36	TMP	A3
Bromodichloromethane	0.00086U	U,P1,P2	mg/kg	0.0024	0.00086	SW846 8260D	1	06/11/2024 22:36	TMP	A3
Bromoform	0.00063U	U,P1,P2	mg/kg	0.0024	0.00063	SW846 8260D	1	06/11/2024 22:36	TMP	A3
Bromomethane	0.00063U	U,P1,P2	mg/kg	0.0024	0.00063	SW846 8260D	1	06/11/2024 22:36	TMP	A3
Carbon Disulfide	0.00077U	U,P1,P2	mg/kg	0.0024	0.00077	SW846 8260D	1	06/11/2024 22:36	TMP	A3
Carbon Tetrachloride	0.00062U	U,P1,P2	mg/kg	0.0024	0.00062	SW846 8260D	1	06/11/2024 22:36	TMP	A3
Chlorobenzene	0.00062U	U,P1,P2	mg/kg	0.0024	0.00062	SW846 8260D	1	06/11/2024 22:36	TMP	A3
Chlorodibromomethane	0.00083U	U,P1,P2	mg/kg	0.0024	0.00083	SW846 8260D	1	06/11/2024 22:36	TMP	A3
Chloroethane	0.0010U	U,P1,P2	mg/kg	0.0061	0.0010	SW846 8260D	1	06/11/2024 22:36	TMP	A3
Chloroform	0.00064U	U,P1,P2	mg/kg	0.0024	0.00064	SW846 8260D	1	06/11/2024 22:36	TMP	A3
Chloromethane	0.00067U	U,P1,P2	mg/kg	0.0024	0.00067	SW846 8260D	1	06/11/2024 22:36	TMP	A3
cis-1,2-Dichloroethene	0.00061U	U,P1,P2	mg/kg	0.0024	0.00061	SW846 8260D	1	06/11/2024 22:36	TMP	A3
cis-1,3-Dichloropropene	0.00067U	U,P1,P2	mg/kg	0.0024	0.00067	SW846 8260D	1	06/11/2024 22:36	TMP	A3
Dibromomethane	0.00088U	U,P1,P2	mg/kg	0.0024	0.00088	SW846 8260D	1	06/11/2024 22:36	TMP	A3
Dichlorodifluoromethane	0.00082U	U,P1,P2	mg/kg	0.0024	0.00082	SW846 8260D	1	06/11/2024 22:36	TMP	A3
Ethylbenzene	0.00083U	U,P1,P2	mg/kg	0.0024	0.00083	SW846 8260D	1	06/11/2024 22:36	TMP	A3
Freon 113	0.00061U	U,P1,P2	mg/kg	0.0024	0.00061	SW846 8260D	1	06/11/2024 22:36	TMP	A3
Hexachlorobutadiene	0.00061U	U,P1,P2	mg/kg	0.0061	0.00061	SW846 8260D	1	06/11/2024 22:36	TMP	A3
Isopropylbenzene	0.00074U	U,P1,P2	mg/kg	0.0024	0.00074	SW846 8260D	1	06/11/2024 22:36	TMP	A3
Methyl t-Butyl Ether	0.00061U	U,P1,P2	mg/kg	0.0024	0.00061	SW846 8260D	1	06/11/2024 22:36	TMP	A3
Methylene Chloride	0.00095U	U,P1,P2	mg/kg	0.0024	0.00095	SW846 8260D	1	06/11/2024 22:36	TMP	A3
mp-Xylene	0.0010U	U,P1,P2	mg/kg	0.0049	0.0010	SW846 8260D	1	06/11/2024 22:36	TMP	A3

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## Results

Client Sample ID	SB-09 (10-12)	Collected	06/03/2024 12:00
Lab Sample ID	3363483002	Lab Receipt	06/08/2024 08:37

### VOLATILE ORGANICS (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Naphthalene	0.00061U	U,P1,P2	mg/kg	0.0024	0.00061	SW846 8260D	1	06/11/2024 22:36	TMP	A3
n-Butylbenzene	0.00061U	U,P1,P2	mg/kg	0.0024	0.00061	SW846 8260D	1	06/11/2024 22:36	TMP	A3
n-Propylbenzene	0.00061U	U,P1,P2	mg/kg	0.0024	0.00061	SW846 8260D	1	06/11/2024 22:36	TMP	A3
o-Chlorotoluene	0.00061U	U,P1,P2	mg/kg	0.0024	0.00061	SW846 8260D	1	06/11/2024 22:36	TMP	A3
o-Xylene	0.00071U	U,P1,P2	mg/kg	0.0024	0.00071	SW846 8260D	1	06/11/2024 22:36	TMP	A3
p-Chlorotoluene	0.00061U	U,P1,P2	mg/kg	0.0024	0.00061	SW846 8260D	1	06/11/2024 22:36	TMP	A3
p-Isopropyltoluene	0.00061U	U,P1,P2	mg/kg	0.0024	0.00061	SW846 8260D	1	06/11/2024 22:36	TMP	A3
sec-Butylbenzene	0.00061U	U,P1,P2	mg/kg	0.0024	0.00061	SW846 8260D	1	06/11/2024 22:36	TMP	A3
Styrene	0.00061U	U,P1,P2	mg/kg	0.0024	0.00061	SW846 8260D	1	06/11/2024 22:36	TMP	A3
tert-Butylbenzene	0.00067U	U,P1,P2	mg/kg	0.0024	0.00067	SW846 8260D	1	06/11/2024 22:36	TMP	A3
Tetrachloroethene	0.00073U	U,P1,P2	mg/kg	0.0024	0.00073	SW846 8260D	1	06/11/2024 22:36	TMP	A3
Toluene	0.00082U	U,P1,P2	mg/kg	0.0024	0.00082	SW846 8260D	1	06/11/2024 22:36	TMP	A3
Total Xylenes	0.0017U	U,P1,P2	mg/kg	0.0073	0.0017	SW846 8260D	1	06/11/2024 22:36	TMP	A3
trans-1,2-Dichloroethene	0.00063U	U,P1,P2	mg/kg	0.0024	0.00063	SW846 8260D	1	06/11/2024 22:36	TMP	A3
trans-1,3-Dichloropropene	0.00071U	U,P1,P2	mg/kg	0.0024	0.00071	SW846 8260D	1	06/11/2024 22:36	TMP	A3
Trichloroethene	0.00061U	U,P1,P2	mg/kg	0.0024	0.00061	SW846 8260D	1	06/11/2024 22:36	TMP	A3
Trichlorofluoromethane	0.00061U	U,P1,P2	mg/kg	0.0024	0.00061	SW846 8260D	1	06/11/2024 22:36	TMP	A3
Vinyl Chloride	0.00061U	U,P1,P2	mg/kg	0.0024	0.00061	SW846 8260D	1	06/11/2024 22:36	TMP	A3

### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	104%	56 - 124	06/11/2024 22:36	
4-Bromofluorobenzene	460-00-4	109%	51 - 128	06/11/2024 22:36	
Dibromofluoromethane	1868-53-7	95.6%	62 - 123	06/11/2024 22:36	
Toluene-d8	2037-26-5	110%	59 - 131	06/11/2024 22:36	

### WET CHEMISTRY

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Moisture	22.2	P1,P2	%	0.1	0.01	S2540G-11	1	06/12/2024 21:22	BLP	A
Total Solids	77.8	1,P1,P2	%	0.1	0.01	S2540G-11	1	06/12/2024 21:22	BLP	A



## Results

Client Sample ID	DUP6324	Collected	06/03/2024 00:00
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### GASOLINE RANGE ORGANICS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Gasoline Range Organics	90.2	P1,P2,S 1	mg/kg	12.1	2.1	SW846 8015D	100	06/10/2024 23:18	JTH	A1

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
a,a,a-Trifluorotoluene	98-08-8	104%	72 - 134	06/10/2024 23:18	

### PETROLEUM HC's

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Diesel Range Organics C10-C28	303	P1,P2,S 1	mg/kg	54.0	14.8	SW846 8015D	4	06/17/2024 20:10	DXL	A

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
o-Terphenyl	84-15-1	93.8%	36 - 122	06/17/2024 20:10	

### SEMIVOLATILE SIM

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,4-Dioxane	0.0	P1,P2,S 1	mg/kg			SW846 8270E SIM	1	06/18/2024 06:27	S7M	A
1-Methylnaphthalene	0.29	P1,P2,S 1	mg/kg			SW846 8270E SIM	1	06/18/2024 06:27	S7M	A
2-Methylnaphthalene	0.45	P1,P2,S 1	mg/kg			SW846 8270E SIM	1	06/18/2024 06:27	S7M	A
Acenaphthene	0.0	P1,P2,S 1	mg/kg			SW846 8270E SIM	1	06/18/2024 06:27	S7M	A
Acenaphthylene	0.0	P1,P2,S 1	mg/kg			SW846 8270E SIM	1	06/18/2024 06:27	S7M	A
Anthracene	0.013	P1,P2,S 1	mg/kg			SW846 8270E SIM	1	06/18/2024 06:27	S7M	A
Benzo(a)anthracene	0.0	P1,P2,S 1	mg/kg			SW846 8270E SIM	1	06/18/2024 06:27	S7M	A
Benzo(a)pyrene	0.0	P1,P2,S 1	mg/kg			SW846 8270E SIM	1	06/18/2024 06:27	S7M	A
Benzo(b)fluoranthene	0.0	P1,P2,S 1	mg/kg			SW846 8270E SIM	1	06/18/2024 06:27	S7M	A
Benzo(g,h,i)perylene	0.0036	P1,P2,S 1	mg/kg			SW846 8270E SIM	1	06/18/2024 06:27	S7M	A
Benzo(k)fluoranthene	0.0	P1,P2,S 1	mg/kg			SW846 8270E SIM	1	06/18/2024 06:27	S7M	A
Chrysene	0.0044	P1,P2,S 1	mg/kg			SW846 8270E SIM	1	06/18/2024 06:27	S7M	A
Dibenzo(a,h)anthracene	0.0	P1,P2,S 1	mg/kg			SW846 8270E SIM	1	06/18/2024 06:27	S7M	A
Fluoranthene	0.0	P1,P2,S 1	mg/kg			SW846 8270E SIM	1	06/18/2024 06:27	S7M	A
Fluorene	0.051	P1,P2,S 1	mg/kg			SW846 8270E SIM	1	06/18/2024 06:27	S7M	A
Indeno(1,2,3-cd)pyrene	0.0	P1,P2,S 1	mg/kg			SW846 8270E SIM	1	06/18/2024 06:27	S7M	A
Naphthalene	0.23	P1,P2,S 1	mg/kg			SW846 8270E SIM	1	06/18/2024 06:27	S7M	A
Phenanthrene	0.11	P1,P2,S 1	mg/kg			SW846 8270E SIM	1	06/18/2024 06:27	S7M	A



## Results

Client Sample ID	DUP6324	Collected	06/03/2024 00:00
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### SEMIVOLATILE SIM (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Pyrene	0.0070	P1,P2,S 1	mg/kg			SW846 8270E SIM	1	06/18/2024 06:27	S7M	A

### SEMIVOLATILES

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1-Methylnaphthalene	0.33	P1,P2,S 1	mg/kg			SW846 8270E	1	06/17/2024 13:17	S7M	A
2-Methylnaphthalene	0.52	P1,P2,S 1	mg/kg			SW846 8270E	1	06/17/2024 13:17	S7M	A
Acenaphthene	0.0	P1,P2,S 1	mg/kg			SW846 8270E	1	06/17/2024 13:17	S7M	A
Acenaphthylene	0.0	P1,P2,S 1	mg/kg			SW846 8270E	1	06/17/2024 13:17	S7M	A
Anthracene	0.015	P1,P2,S 1	mg/kg			SW846 8270E	1	06/17/2024 13:17	S7M	A
Benzo(a)anthracene	0.0	P1,P2,S 1	mg/kg			SW846 8270E	1	06/17/2024 13:17	S7M	A
Benzo(a)pyrene	0.0	P1,P2,S 1	mg/kg			SW846 8270E	1	06/17/2024 13:17	S7M	A
Benzo(b)fluoranthene	0.0	P1,P2,S 1	mg/kg			SW846 8270E	1	06/17/2024 13:17	S7M	A
Benzo(g,h,i)perylene	0.0	P1,P2,S 1	mg/kg			SW846 8270E	1	06/17/2024 13:17	S7M	A
Benzo(k)fluoranthene	0.0	P1,P2,S 1	mg/kg			SW846 8270E	1	06/17/2024 13:17	S7M	A
Carbazole	0.0	P1,P2,S 1	mg/kg			SW846 8270E	1	06/17/2024 13:17	S7M	A
Chrysene	0.0	P1,P2,S 1	mg/kg			SW846 8270E	1	06/17/2024 13:17	S7M	A
Dibenzo(a,h)anthracene	0.0	P1,P2,S 1	mg/kg			SW846 8270E	1	06/17/2024 13:17	S7M	A
Dibenzofuran	0.0	P1,P2,S 1	mg/kg			SW846 8270E	1	06/17/2024 13:17	S7M	A
Fluoranthene	0.0	P1,P2,S 1	mg/kg			SW846 8270E	1	06/17/2024 13:17	S7M	A
Fluorene	0.0	P1,P2,S 1	mg/kg			SW846 8270E	1	06/17/2024 13:17	S7M	A
Indeno(1,2,3-cd)pyrene	0.0	P1,P2,S 1	mg/kg			SW846 8270E	1	06/17/2024 13:17	S7M	A
Naphthalene	0.24	P1,P2,S 1	mg/kg			SW846 8270E	1	06/17/2024 13:17	S7M	A
Phenanthrene	0.12	P1,P2,S 1	mg/kg			SW846 8270E	1	06/17/2024 13:17	S7M	A
Pyrene	0.0	P1,P2,S 1	mg/kg			SW846 8270E	1	06/17/2024 13:17	S7M	A

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### VOLATILE ORGANICS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1-Trichloroethane	0.013U	U,P1,P2 ,S1	mg/kg	0.061	0.013	SW846 8260D	50	06/13/2024 00:27	BST	A1
1,1,2,2-Tetrachloroethane	0.021U	U,P1,P2 ,S1	mg/kg	0.061	0.021	SW846 8260D	50	06/13/2024 00:27	BST	A1
1,1,2-Trichloroethane	0.020U	U,P1,P2 ,S1	mg/kg	0.061	0.020	SW846 8260D	50	06/13/2024 00:27	BST	A1
1,1-Dichloroethane	0.017U	U,P1,P2 ,S1	mg/kg	0.061	0.017	SW846 8260D	50	06/13/2024 00:27	BST	A1
1,1-Dichloroethene	0.018U	U,P1,P2 ,S1	mg/kg	0.061	0.018	SW846 8260D	50	06/13/2024 00:27	BST	A1
1,1-Dichloropropene	0.016U	U,P1,P2 ,S1	mg/kg	0.061	0.016	SW846 8260D	50	06/13/2024 00:27	BST	A1
1,2,3-Trichlorobenzene	0.056U	U,P1,P2 ,S1	mg/kg	0.12	0.056	SW846 8260D	50	06/13/2024 00:27	BST	A1
1,2,3-Trichloropropane	0.036U	U,P1,P2 ,S1	mg/kg	0.12	0.036	SW846 8260D	50	06/13/2024 00:27	BST	A1



**Results**

Client Sample ID	DUP6324	Collected	06/03/2024 00:00
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**VOLATILE ORGANICS (cont.)**

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,2,4-Trichlorobenzene	0.050U	U,P1,P2,S1	mg/kg	0.12	0.050	SW846 8260D	50	06/13/2024 00:27	BST	A1
1,2,4-Trimethylbenzene	5.9	P1,P2,S1	mg/kg	0.061	0.015	SW846 8260D	50	06/13/2024 00:27	BST	A1
1,2-Dibromo-3-chloropropane	0.091U	U,P1,P2,S1	mg/kg	0.42	0.091	SW846 8260D	50	06/13/2024 00:27	BST	A1
1,2-Dibromoethane	0.017U	U,P1,P2,S1	mg/kg	0.061	0.017	SW846 8260D	50	06/13/2024 00:27	BST	A1
1,2-Dichlorobenzene	0.023U	U,P1,P2,S1	mg/kg	0.061	0.023	SW846 8260D	50	06/13/2024 00:27	BST	A1
1,2-Dichloroethane	0.019U	U,P1,P2,S1	mg/kg	0.061	0.019	SW846 8260D	50	06/13/2024 00:27	BST	A1
1,2-Dichloropropane	0.015U	U,P1,P2,S1	mg/kg	0.061	0.015	SW846 8260D	50	06/13/2024 00:27	BST	A1
1,3,5-Trimethylbenzene	0.90	P1,P2,S1	mg/kg	0.061	0.012	SW846 8260D	50	06/13/2024 00:27	BST	A1
1,3-Dichlorobenzene	0.015U	U,P1,P2,S1	mg/kg	0.061	0.015	SW846 8260D	50	06/13/2024 00:27	BST	A1
1,3-Dichloropropane	0.016U	U,P1,P2,S1	mg/kg	0.061	0.016	SW846 8260D	50	06/13/2024 00:27	BST	A1
1,4-Dichlorobenzene	0.016U	U,P1,P2,S1	mg/kg	0.061	0.016	SW846 8260D	50	06/13/2024 00:27	BST	A1
2,2-Dichloropropane	0.019U	U,P1,P2,S1	mg/kg	0.061	0.019	SW846 8260D	50	06/13/2024 00:27	BST	A1
2-Butanone	0.11U	U,P1,P2,S1	mg/kg	0.61	0.11	SW846 8260D	50	06/13/2024 00:27	BST	A1
2-Hexanone	0.079U	U,P1,P2,S1	mg/kg	0.30	0.079	SW846 8260D	50	06/13/2024 00:27	BST	A1
4-Methyl-2-Pentanone(MIBK)	0.091U	U,P1,P2,S1	mg/kg	0.30	0.091	SW846 8260D	50	06/13/2024 00:27	BST	A1
Acetone	0.19U	U,P1,P2,S1	mg/kg	0.61	0.19	SW846 8260D	50	06/13/2024 00:27	BST	A1
Benzene	2.4	P1,P2,S1	mg/kg	0.061	0.014	SW846 8260D	50	06/13/2024 00:27	BST	A1
Bromobenzene	0.019U	U,P1,P2,S1	mg/kg	0.061	0.019	SW846 8260D	50	06/13/2024 00:27	BST	A1
Bromochloromethane	0.019U	U,P1,P2,S1	mg/kg	0.061	0.019	SW846 8260D	50	06/13/2024 00:27	BST	A1
Bromodichloromethane	0.016U	U,P1,P2,S1	mg/kg	0.061	0.016	SW846 8260D	50	06/13/2024 00:27	BST	A1
Bromoform	0.024U	U,P1,P2,S1	mg/kg	0.061	0.024	SW846 8260D	50	06/13/2024 00:27	BST	A1
Bromomethane	0.024U	U,P1,P2,S1	mg/kg	0.061	0.024	SW846 8260D	50	06/13/2024 00:27	BST	A1
Carbon Disulfide	0.014U	U,P1,P2,S1	mg/kg	0.061	0.014	SW846 8260D	50	06/13/2024 00:27	BST	A1
Carbon Tetrachloride	0.019U	U,P1,P2,S1	mg/kg	0.061	0.019	SW846 8260D	50	06/13/2024 00:27	BST	A1
Chlorobenzene	0.012U	U,P1,P2,S1	mg/kg	0.061	0.012	SW846 8260D	50	06/13/2024 00:27	BST	A1
Chlorodibromomethane	0.027U	U,P1,P2,S1	mg/kg	0.061	0.027	SW846 8260D	50	06/13/2024 00:27	BST	A1
Chloroethane	0.020U	U,P1,P2,S1	mg/kg	0.061	0.020	SW846 8260D	50	06/13/2024 00:27	BST	A1
Chloroform	0.013U	U,P1,P2,S1	mg/kg	0.061	0.013	SW846 8260D	50	06/13/2024 00:27	BST	A1
Chloromethane	0.019U	U,P1,P2,S1	mg/kg	0.061	0.019	SW846 8260D	50	06/13/2024 00:27	BST	A1
cis-1,2-Dichloroethene	0.019U	U,P1,P2,S1	mg/kg	0.061	0.019	SW846 8260D	50	06/13/2024 00:27	BST	A1
cis-1,3-Dichloropropene	0.019U	U,P1,P2,S1	mg/kg	0.061	0.019	SW846 8260D	50	06/13/2024 00:27	BST	A1
Dibromomethane	0.019U	U,P1,P2,S1	mg/kg	0.061	0.019	SW846 8260D	50	06/13/2024 00:27	BST	A1
Dichlorodifluoromethane	0.020U	U,P1,P2,S1	mg/kg	0.061	0.020	SW846 8260D	50	06/13/2024 00:27	BST	A1
Ethylbenzene	1.7	P1,P2,S1	mg/kg	0.061	0.021	SW846 8260D	50	06/13/2024 00:27	BST	A1
Freon 113	0.016U	U,P1,P2,S1	mg/kg	0.061	0.016	SW846 8260D	50	06/13/2024 00:27	BST	A1
Hexachlorobutadiene	0.061U	U,P1,P2,S1	mg/kg	0.30	0.061	SW846 8260D	50	06/13/2024 00:27	BST	A1

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**Results**

Client Sample ID	DUP6324	Collected	06/03/2024 00:00
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**VOLATILE ORGANICS (cont.)**

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Isopropylbenzene	0.28	P1,P2,S 1	mg/kg	0.061	0.013	SW846 8260D	50	06/13/2024 00:27	BST	A1
Methyl t-Butyl Ether	0.020U	U,P1,P2 ,S1	mg/kg	0.061	0.020	SW846 8260D	50	06/13/2024 00:27	BST	A1
Methylene Chloride	0.027U	U,P1,P2 ,S1	mg/kg	0.061	0.027	SW846 8260D	50	06/13/2024 00:27	BST	A1
mp-Xylene	2.3	P1,P2,S 1	mg/kg	0.12	0.032	SW846 8260D	50	06/13/2024 00:27	BST	A1
Naphthalene	1.6	P1,P2,S 1	mg/kg	0.12	0.021	SW846 8260D	50	06/13/2024 00:27	BST	A1
n-Butylbenzene	0.34	P1,P2,S 1	mg/kg	0.12	0.036	SW846 8260D	50	06/13/2024 00:27	BST	A1
n-Propylbenzene	0.74	P1,P2,S 1	mg/kg	0.061	0.020	SW846 8260D	50	06/13/2024 00:27	BST	A1
o-Chlorotoluene	0.016U	U,P1,P2 ,S1	mg/kg	0.061	0.016	SW846 8260D	50	06/13/2024 00:27	BST	A1
o-Xylene	0.020U	U,P1,P2 ,S1	mg/kg	0.061	0.020	SW846 8260D	50	06/13/2024 00:27	BST	A1
p-Chlorotoluene	0.020U	U,P1,P2 ,S1	mg/kg	0.061	0.020	SW846 8260D	50	06/13/2024 00:27	BST	A1
p-Isopropyltoluene	0.019U	U,P1,P2 ,S1	mg/kg	0.061	0.019	SW846 8260D	50	06/13/2024 00:27	BST	A1
sec-Butylbenzene	0.019U	U,P1,P2 ,S1	mg/kg	0.061	0.019	SW846 8260D	50	06/13/2024 00:27	BST	A1
Styrene	0.015U	U,P1,P2 ,S1	mg/kg	0.061	0.015	SW846 8260D	50	06/13/2024 00:27	BST	A1
tert-Butylbenzene	0.027U	U,P1,P2 ,S1	mg/kg	0.12	0.027	SW846 8260D	50	06/13/2024 00:27	BST	A1
Tetrachloroethene	0.021U	U,P1,P2 ,S1	mg/kg	0.061	0.021	SW846 8260D	50	06/13/2024 00:27	BST	A1
Toluene	0.079	P1,P2,S 1	mg/kg	0.061	0.014	SW846 8260D	50	06/13/2024 00:27	BST	A1
Total Xylenes	2.3	P1,P2,S 1	mg/kg	0.12	0.040	SW846 8260D	50	06/13/2024 00:27	BST	A1
trans-1,2-Dichloroethene	0.016U	U,P1,P2 ,S1	mg/kg	0.061	0.016	SW846 8260D	50	06/13/2024 00:27	BST	A1
trans-1,3-Dichloropropene	0.018U	U,P1,P2 ,S1	mg/kg	0.061	0.018	SW846 8260D	50	06/13/2024 00:27	BST	A1
Trichloroethene	0.020U	U,P1,P2 ,S1	mg/kg	0.061	0.020	SW846 8260D	50	06/13/2024 00:27	BST	A1
Trichlorofluoromethane	0.015U	U,P1,P2 ,S1	mg/kg	0.061	0.015	SW846 8260D	50	06/13/2024 00:27	BST	A1
Vinyl Chloride	0.018U	U,P1,P2 ,S1	mg/kg	0.061	0.018	SW846 8260D	50	06/13/2024 00:27	BST	A1

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**SURROGATES**

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	95.6%	71 - 146	06/13/2024 00:27	
4-Bromofluorobenzene	460-00-4	93.1%	46 - 138	06/13/2024 00:27	
Dibromofluoromethane	1868-53-7	78%	42 - 143	06/13/2024 00:27	
Toluene-d8	2037-26-5	99.8%	54 - 141	06/13/2024 00:27	

**WET CHEMISTRY**

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Moisture	22.0	P1,P2,S 1	%	0.1	0.01	S2540G-11	1	06/11/2024 14:37	J1K	A
Total Solids	78.0	1,P1,P2, S1	%	0.1	0.01	S2540G-11	1	06/11/2024 14:37	J1K	A





### Results

Client Sample ID	DUP6324	Collected	06/03/2024 00:00
Lab Sample ID	3363483003	Lab Receipt	06/08/2024 08:37

### WET CHEMISTRY (cont.)

<u>Compound</u>	<u>Result</u>	<u>Flag</u>	<u>Units</u>	<u>RDL</u>	<u>MDL</u>	<u>Method</u>	<u>Dilution</u>	<u>Analysis Date/Time</u>	<u>By</u>	<u>Cntr</u>
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## Results

Client Sample ID	HA-01 (0-2)	Collected	06/03/2024 12:15
Lab Sample ID	3363483004	Lab Receipt	06/08/2024 08:37

### METALS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Lead, Total	80.4	2,3,P1,P2	mg/kg	2.2	0.72	SW846 6010C	1	06/12/2024 13:13	MSY	A1

### WET CHEMISTRY

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Moisture	15.3	P1,P2	%	0.1	0.01	S2540G-11	1	06/11/2024 14:37	J1K	A
Total Solids	84.7	1,P1,P2	%	0.1	0.01	S2540G-11	1	06/11/2024 14:37	J1K	A

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## Results

Client Sample ID	MW-02 (6-8)	Collected	06/03/2024 12:35
Lab Sample ID	3363483005	Lab Receipt	06/08/2024 08:37

### GASOLINE RANGE ORGANICS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Gasoline Range Organics	229	P1,P2,S2	mg/kg	12.4	2.1	SW846 8015D	100	06/10/2024 23:44	JTH	A1

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
a,a,a-Trifluorotoluene	98-08-8	130%	72 - 134	06/10/2024 23:44	

### PETROLEUM HC's

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Diesel Range Organics C10-C28	328	P1,P2,S2	mg/kg	51.7	14.1	SW846 8015D	4	06/17/2024 20:42	DXL	A

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
o-Terphenyl	84-15-1	100%	36 - 122	06/17/2024 20:42	

### SEMIVOLATILE SIM

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,4-Dioxane	0.0028U	U,P1,P2,S2	mg/kg	0.0057	0.0028	SW846 8270E SIM	1	06/18/2024 06:54	S7M	A
1-Methylnaphthalene	2.3	E,P1,P2,S2	mg/kg	0.0057	0.0010	SW846 8270E SIM	1	06/18/2024 06:54	S7M	A
2-Methylnaphthalene	3.7	E,P1,P2,S2	mg/kg	0.0057	0.0015	SW846 8270E SIM	1	06/18/2024 06:54	S7M	A
Acenaphthene	0.16	P1,P2,S2	mg/kg	0.0057	0.0010	SW846 8270E SIM	1	06/18/2024 06:54	S7M	A
Acenaphthylene	0.0010U	U,P1,P2,S2	mg/kg	0.0057	0.0010	SW846 8270E SIM	1	06/18/2024 06:54	S7M	A
Anthracene	0.046	P1,P2,S2	mg/kg	0.0057	0.00091	SW846 8270E SIM	1	06/18/2024 06:54	S7M	A
Benzo(a)anthracene	0.0054J	J,P1,P2,S2	mg/kg	0.0057	0.00091	SW846 8270E SIM	1	06/18/2024 06:54	S7M	A
Benzo(a)pyrene	0.00091U	U,P1,P2,S2	mg/kg	0.0057	0.00091	SW846 8270E SIM	1	06/18/2024 06:54	S7M	A
Benzo(b)fluoranthene	0.0078	P1,P2,S2	mg/kg	0.0057	0.00091	SW846 8270E SIM	1	06/18/2024 06:54	S7M	A
Benzo(g,h,i)perylene	0.0098	P1,P2,S2	mg/kg	0.0057	0.0011	SW846 8270E SIM	1	06/18/2024 06:54	S7M	A
Benzo(k)fluoranthene	0.0041J	J,P1,P2,S2	mg/kg	0.0057	0.0010	SW846 8270E SIM	1	06/18/2024 06:54	S7M	A
Chrysene	0.011	P1,P2,S2	mg/kg	0.0057	0.0010	SW846 8270E SIM	1	06/18/2024 06:54	S7M	A
Dibenzo(a,h)anthracene	0.00080U	U,P1,P2,S2	mg/kg	0.0057	0.00080	SW846 8270E SIM	1	06/18/2024 06:54	S7M	A
Fluoranthene	0.014	P1,P2,S2	mg/kg	0.0057	0.0010	SW846 8270E SIM	1	06/18/2024 06:54	S7M	A
Fluorene	0.28	P1,P2,S2	mg/kg	0.0057	0.0011	SW846 8270E SIM	1	06/18/2024 06:54	S7M	A
Indeno(1,2,3-cd)pyrene	0.0032J	J,P1,P2,S2	mg/kg	0.0057	0.00091	SW846 8270E SIM	1	06/18/2024 06:54	S7M	A
Naphthalene	1.3	E,P1,P2,S2	mg/kg	0.0057	0.0013	SW846 8270E SIM	1	06/18/2024 06:54	S7M	A
Phenanthrene	0.68	P1,P2,S2	mg/kg	0.0057	0.0013	SW846 8270E SIM	1	06/18/2024 06:54	S7M	A



## Results

Client Sample ID	MW-02 (6-8)	Collected	06/03/2024 12:35
Lab Sample ID	3363483005	Lab Receipt	06/08/2024 08:37

### SEMIVOLATILE SIM (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Pyrene	0.021	P1,P2,S 2	mg/kg	0.0057	0.00091	SW846 8270E SIM	1	06/18/2024 06:54	S7M	A

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
2-Methylnaphthalene-d10	7297-45-2	80.1%	50 - 150	06/18/2024 06:54	
Fluoranthene-d10	93951-69-0	98.8%	50 - 150	06/18/2024 06:54	

### SEMIVOLATILES

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1-Methylnaphthalene	2.9	P1,P2,S 2	mg/kg	0.11	0.019	SW846 8270E	1	06/17/2024 13:43	S7M	A
2-Methylnaphthalene	5.0	P1,P2,S 2	mg/kg	0.11	0.019	SW846 8270E	1	06/17/2024 13:43	S7M	A
Acenaphthene	0.019U	U,P1,P2 ,S2	mg/kg	0.057	0.019	SW846 8270E	1	06/17/2024 13:43	S7M	A
Acenaphthylene	0.019U	U,P1,P2 ,S2	mg/kg	0.057	0.019	SW846 8270E	1	06/17/2024 13:43	S7M	A
Anthracene	0.054J	J,P1,P2, S2	mg/kg	0.057	0.019	SW846 8270E	1	06/17/2024 13:43	S7M	A
Benzo(a)anthracene	0.019U	U,P1,P2 ,S2	mg/kg	0.057	0.019	SW846 8270E	1	06/17/2024 13:43	S7M	A
Benzo(a)pyrene	0.019U	U,P1,P2 ,S2	mg/kg	0.057	0.019	SW846 8270E	1	06/17/2024 13:43	S7M	A
Benzo(b)fluoranthene	0.019U	U,P1,P2 ,S2	mg/kg	0.057	0.019	SW846 8270E	1	06/17/2024 13:43	S7M	A
Benzo(g,h,i)perylene	0.019U	U,P1,P2 ,S2	mg/kg	0.057	0.019	SW846 8270E	1	06/17/2024 13:43	S7M	A
Benzo(k)fluoranthene	0.019U	U,P1,P2 ,S2	mg/kg	0.057	0.019	SW846 8270E	1	06/17/2024 13:43	S7M	A
Carbazole	0.019U	U,P1,P2 ,S2	mg/kg	0.11	0.019	SW846 8270E	1	06/17/2024 13:43	S7M	A
Chrysene	0.019U	U,P1,P2 ,S2	mg/kg	0.057	0.019	SW846 8270E	1	06/17/2024 13:43	S7M	A
Dibenzo(a,h)anthracene	0.019U	U,P1,P2 ,S2	mg/kg	0.057	0.019	SW846 8270E	1	06/17/2024 13:43	S7M	A
Dibenzofuran	0.16	P1,P2,S 2	mg/kg	0.11	0.019	SW846 8270E	1	06/17/2024 13:43	S7M	A
Fluoranthene	0.019U	U,P1,P2 ,S2	mg/kg	0.057	0.019	SW846 8270E	1	06/17/2024 13:43	S7M	A
Fluorene	0.33	P1,P2,S 2	mg/kg	0.057	0.019	SW846 8270E	1	06/17/2024 13:43	S7M	A
Indeno(1,2,3-cd)pyrene	0.019U	U,P1,P2 ,S2	mg/kg	0.057	0.019	SW846 8270E	1	06/17/2024 13:43	S7M	A
Naphthalene	1.5	P1,P2,S 2	mg/kg	0.057	0.019	SW846 8270E	1	06/17/2024 13:43	S7M	A
Phenanthrene	0.76	P1,P2,S 2	mg/kg	0.057	0.019	SW846 8270E	1	06/17/2024 13:43	S7M	A
Pyrene	0.022J	J,P1,P2, S2	mg/kg	0.057	0.019	SW846 8270E	1	06/17/2024 13:43	S7M	A

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## Results

Client Sample ID	MW-02 (6-8)	Collected	06/03/2024 12:35
Lab Sample ID	3363483005	Lab Receipt	06/08/2024 08:37

### SEMIVOLATILES (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
<i>SURROGATES</i>										
Compound	CAS No			Recovery		Limits(%)		Analysis Date/Time		Qualifiers
2,4,6-Tribromophenol	118-79-6			97%		19 - 132		06/17/2024 13:43		
2-Fluorobiphenyl	321-60-8			80.2%		40 - 110		06/17/2024 13:43		
2-Fluorophenol	367-12-4			71.9%		26 - 116		06/17/2024 13:43		
Nitrobenzene-d5	4165-60-0			80.2%		38 - 112		06/17/2024 13:43		
Phenol-d5	4165-62-2			80.3%		35 - 111		06/17/2024 13:43		
Terphenyl-d14	98904-43-9			97.3%		45 - 126		06/17/2024 13:43		

### VOLATILE ORGANICS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1-Trichloroethane	0.014U	U,P1,P2,S2	mg/kg	0.062	0.014	SW846 8260D	50	06/13/2024 00:47	BST	A1
1,1,2,2-Tetrachloroethane	0.021U	U,P1,P2,S2	mg/kg	0.062	0.021	SW846 8260D	50	06/13/2024 00:47	BST	A1
1,1,2-Trichloroethane	0.021U	U,P1,P2,S2	mg/kg	0.062	0.021	SW846 8260D	50	06/13/2024 00:47	BST	A1
1,1-Dichloroethane	0.017U	U,P1,P2,S2	mg/kg	0.062	0.017	SW846 8260D	50	06/13/2024 00:47	BST	A1
1,1-Dichloroethene	0.018U	U,P1,P2,S2	mg/kg	0.062	0.018	SW846 8260D	50	06/13/2024 00:47	BST	A1
1,1-Dichloropropene	0.017U	U,P1,P2,S2	mg/kg	0.062	0.017	SW846 8260D	50	06/13/2024 00:47	BST	A1
1,2,3-Trichlorobenzene	0.058U	U,P1,P2,S2	mg/kg	0.12	0.058	SW846 8260D	50	06/13/2024 00:47	BST	A1
1,2,3-Trichloropropane	0.037U	U,P1,P2,S2	mg/kg	0.12	0.037	SW846 8260D	50	06/13/2024 00:47	BST	A1
1,2,4-Trichlorobenzene	0.051U	U,P1,P2,S2	mg/kg	0.12	0.051	SW846 8260D	50	06/13/2024 00:47	BST	A1
1,2,4-Trimethylbenzene	3.4	P1,P2,S2	mg/kg	0.062	0.016	SW846 8260D	50	06/13/2024 00:47	BST	A1
1,2-Dibromo-3-chloropropane	0.093U	U,P1,P2,S2	mg/kg	0.44	0.093	SW846 8260D	50	06/13/2024 00:47	BST	A1
1,2-Dibromoethane	0.017U	U,P1,P2,S2	mg/kg	0.062	0.017	SW846 8260D	50	06/13/2024 00:47	BST	A1
1,2-Dichlorobenzene	0.024U	U,P1,P2,S2	mg/kg	0.062	0.024	SW846 8260D	50	06/13/2024 00:47	BST	A1
1,2-Dichloroethane	0.020U	U,P1,P2,S2	mg/kg	0.062	0.020	SW846 8260D	50	06/13/2024 00:47	BST	A1
1,2-Dichloropropane	0.015U	U,P1,P2,S2	mg/kg	0.062	0.015	SW846 8260D	50	06/13/2024 00:47	BST	A1
1,3,5-Trimethylbenzene	0.83	P1,P2,S2	mg/kg	0.062	0.012	SW846 8260D	50	06/13/2024 00:47	BST	A1
1,3-Dichlorobenzene	0.016U	U,P1,P2,S2	mg/kg	0.062	0.016	SW846 8260D	50	06/13/2024 00:47	BST	A1
1,3-Dichloropropane	0.017U	U,P1,P2,S2	mg/kg	0.062	0.017	SW846 8260D	50	06/13/2024 00:47	BST	A1
1,4-Dichlorobenzene	0.017U	U,P1,P2,S2	mg/kg	0.062	0.017	SW846 8260D	50	06/13/2024 00:47	BST	A1
2,2-Dichloropropane	0.020U	U,P1,P2,S2	mg/kg	0.062	0.020	SW846 8260D	50	06/13/2024 00:47	BST	A1
2-Butanone	0.11U	U,P1,P2,S2	mg/kg	0.62	0.11	SW846 8260D	50	06/13/2024 00:47	BST	A1
2-Hexanone	0.081U	U,P1,P2,S2	mg/kg	0.31	0.081	SW846 8260D	50	06/13/2024 00:47	BST	A1
4-Methyl-2-Pentanone(MIBK)	0.093U	U,P1,P2,S2	mg/kg	0.31	0.093	SW846 8260D	50	06/13/2024 00:47	BST	A1
Acetone	0.19U	U,P1,P2,S2	mg/kg	0.62	0.19	SW846 8260D	50	06/13/2024 00:47	BST	A1
Benzene	0.68	P1,P2,S2	mg/kg	0.062	0.014	SW846 8260D	50	06/13/2024 00:47	BST	A1



**Results**

Client Sample ID	MW-02 (6-8)	Collected	06/03/2024 12:35
Lab Sample ID	3363483005	Lab Receipt	06/08/2024 08:37

**VOLATILE ORGANICS (cont.)**

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Bromobenzene	0.020U	U,P1,P2,S2	mg/kg	0.062	0.020	SW846 8260D	50	06/13/2024 00:47	BST	A1
Bromochloromethane	0.020U	U,P1,P2,S2	mg/kg	0.062	0.020	SW846 8260D	50	06/13/2024 00:47	BST	A1
Bromodichloromethane	0.017U	U,P1,P2,S2	mg/kg	0.062	0.017	SW846 8260D	50	06/13/2024 00:47	BST	A1
Bromoform	0.025U	U,P1,P2,S2	mg/kg	0.062	0.025	SW846 8260D	50	06/13/2024 00:47	BST	A1
Bromomethane	0.024U	U,P1,P2,S2	mg/kg	0.062	0.024	SW846 8260D	50	06/13/2024 00:47	BST	A1
Carbon Disulfide	0.014U	U,P1,P2,S2	mg/kg	0.062	0.014	SW846 8260D	50	06/13/2024 00:47	BST	A1
Carbon Tetrachloride	0.019U	U,P1,P2,S2	mg/kg	0.062	0.019	SW846 8260D	50	06/13/2024 00:47	BST	A1
Chlorobenzene	0.012U	U,P1,P2,S2	mg/kg	0.062	0.012	SW846 8260D	50	06/13/2024 00:47	BST	A1
Chlorodibromomethane	0.028U	U,P1,P2,S2	mg/kg	0.062	0.028	SW846 8260D	50	06/13/2024 00:47	BST	A1
Chloroethane	0.021U	U,P1,P2,S2	mg/kg	0.062	0.021	SW846 8260D	50	06/13/2024 00:47	BST	A1
Chloroform	0.013U	U,P1,P2,S2	mg/kg	0.062	0.013	SW846 8260D	50	06/13/2024 00:47	BST	A1
Chloromethane	0.019U	U,P1,P2,S2	mg/kg	0.062	0.019	SW846 8260D	50	06/13/2024 00:47	BST	A1
cis-1,2-Dichloroethene	0.020U	U,P1,P2,S2	mg/kg	0.062	0.020	SW846 8260D	50	06/13/2024 00:47	BST	A1
cis-1,3-Dichloropropene	0.019U	U,P1,P2,S2	mg/kg	0.062	0.019	SW846 8260D	50	06/13/2024 00:47	BST	A1
Dibromomethane	0.019U	U,P1,P2,S2	mg/kg	0.062	0.019	SW846 8260D	50	06/13/2024 00:47	BST	A1
Dichlorodifluoromethane	0.021U	U,P1,P2,S2	mg/kg	0.062	0.021	SW846 8260D	50	06/13/2024 00:47	BST	A1
Ethylbenzene	0.61	P1,P2,S2	mg/kg	0.062	0.021	SW846 8260D	50	06/13/2024 00:47	BST	A1
Freon 113	0.016U	U,P1,P2,S2	mg/kg	0.062	0.016	SW846 8260D	50	06/13/2024 00:47	BST	A1
Hexachlorobutadiene	0.062U	U,P1,P2,S2	mg/kg	0.31	0.062	SW846 8260D	50	06/13/2024 00:47	BST	A1
Isopropylbenzene	0.67	P1,P2,S2	mg/kg	0.062	0.014	SW846 8260D	50	06/13/2024 00:47	BST	A1
Methyl t-Butyl Ether	0.021U	U,P1,P2,S2	mg/kg	0.062	0.021	SW846 8260D	50	06/13/2024 00:47	BST	A1
Methylene Chloride	0.028U	U,P1,P2,S2	mg/kg	0.062	0.028	SW846 8260D	50	06/13/2024 00:47	BST	A1
mp-Xylene	1.1	P1,P2,S2	mg/kg	0.12	0.032	SW846 8260D	50	06/13/2024 00:47	BST	A1
Naphthalene	4.2	P1,P2,S2	mg/kg	0.12	0.021	SW846 8260D	50	06/13/2024 00:47	BST	A1
n-Butylbenzene	1.1	P1,P2,S2	mg/kg	0.12	0.037	SW846 8260D	50	06/13/2024 00:47	BST	A1
n-Propylbenzene	1.7	P1,P2,S2	mg/kg	0.062	0.021	SW846 8260D	50	06/13/2024 00:47	BST	A1
o-Chlorotoluene	0.016U	U,P1,P2,S2	mg/kg	0.062	0.016	SW846 8260D	50	06/13/2024 00:47	BST	A1
o-Xylene	0.021U	U,P1,P2,S2	mg/kg	0.062	0.021	SW846 8260D	50	06/13/2024 00:47	BST	A1
p-Chlorotoluene	0.021U	U,P1,P2,S2	mg/kg	0.062	0.021	SW846 8260D	50	06/13/2024 00:47	BST	A1
p-Isopropyltoluene	0.020U	U,P1,P2,S2	mg/kg	0.062	0.020	SW846 8260D	50	06/13/2024 00:47	BST	A1
sec-Butylbenzene	0.45	P1,P2,S2	mg/kg	0.062	0.019	SW846 8260D	50	06/13/2024 00:47	BST	A1
Styrene	0.015U	U,P1,P2,S2	mg/kg	0.062	0.015	SW846 8260D	50	06/13/2024 00:47	BST	A1
tert-Butylbenzene	0.027U	U,P1,P2,S2	mg/kg	0.12	0.027	SW846 8260D	50	06/13/2024 00:47	BST	A1
Tetrachloroethene	0.022U	U,P1,P2,S2	mg/kg	0.062	0.022	SW846 8260D	50	06/13/2024 00:47	BST	A1
Toluene	0.046J	J,P1,P2,S2	mg/kg	0.062	0.014	SW846 8260D	50	06/13/2024 00:47	BST	A1
Total Xylenes	1.1	P1,P2,S2	mg/kg	0.19	0.041	SW846 8260D	50	06/13/2024 00:47	BST	A1

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## Results

Client Sample ID	MW-02 (6-8)	Collected	06/03/2024 12:35
Lab Sample ID	3363483005	Lab Receipt	06/08/2024 08:37

### VOLATILE ORGANICS (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
trans-1,2-Dichloroethene	0.016U	U,P1,P2,S2	mg/kg	0.062	0.016	SW846 8260D	50	06/13/2024 00:47	BST	A1
trans-1,3-Dichloropropene	0.018U	U,P1,P2,S2	mg/kg	0.062	0.018	SW846 8260D	50	06/13/2024 00:47	BST	A1
Trichloroethene	0.021U	U,P1,P2,S2	mg/kg	0.062	0.021	SW846 8260D	50	06/13/2024 00:47	BST	A1
Trichlorofluoromethane	0.015U	U,P1,P2,S2	mg/kg	0.062	0.015	SW846 8260D	50	06/13/2024 00:47	BST	A1
Vinyl Chloride	0.019U	U,P1,P2,S2	mg/kg	0.062	0.019	SW846 8260D	50	06/13/2024 00:47	BST	A1

### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	96.3%	71 - 146	06/13/2024 00:47	
4-Bromofluorobenzene	460-00-4	95.5%	46 - 138	06/13/2024 00:47	
Dibromofluoromethane	1868-53-7	77.4%	42 - 143	06/13/2024 00:47	
Toluene-d8	2037-26-5	95.8%	54 - 141	06/13/2024 00:47	

### WET CHEMISTRY

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Moisture	21.6	P1,P2,S2	%	0.1	0.01	S2540G-11	1	06/11/2024 14:37	J1K	A
Total Solids	78.4	1,P1,P2,S2	%	0.1	0.01	S2540G-11	1	06/11/2024 14:37	J1K	A

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## Results

Client Sample ID	MW-02 (10-12)	Collected	06/03/2024 12:35
Lab Sample ID	3363483006	Lab Receipt	06/08/2024 08:37

### GASOLINE RANGE ORGANICS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Gasoline Range Organics	211	P1,P2,S3	mg/kg	12.1	2.1	SW846 8015D	100	06/11/2024 00:10	JTH	A1

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
a,a,a-Trifluorotoluene	98-08-8	115%	72 - 134	06/11/2024 00:10	

### PETROLEUM HC's

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Diesel Range Organics C10-C28	714	P1,P2,S3	mg/kg	123	33.5	SW846 8015D	10	06/17/2024 21:14	DXL	A

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
o-Terphenyl	84-15-1	90.5%	36 - 122	06/17/2024 21:14	

### SEMIVOLATILE SIM

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,4-Dioxane	0.0028U	U,P1,P2,S3	mg/kg	0.0057	0.0028	SW846 8270E SIM	1	06/18/2024 07:21	S7M	A
1-Methylnaphthalene	1.9	E,P1,P2,S3	mg/kg	0.0057	0.0010	SW846 8270E SIM	1	06/18/2024 07:21	S7M	A
2-Methylnaphthalene	2.9	E,P1,P2,S3	mg/kg	0.0057	0.0015	SW846 8270E SIM	1	06/18/2024 07:21	S7M	A
Acenaphthene	0.12	P1,P2,S3	mg/kg	0.0057	0.0010	SW846 8270E SIM	1	06/18/2024 07:21	S7M	A
Acenaphthylene	0.0010U	U,P1,P2,S3	mg/kg	0.0057	0.0010	SW846 8270E SIM	1	06/18/2024 07:21	S7M	A
Anthracene	0.071	P1,P2,S3	mg/kg	0.0057	0.00091	SW846 8270E SIM	1	06/18/2024 07:21	S7M	A
Benzo(a)anthracene	0.0059	P1,P2,S3	mg/kg	0.0057	0.00091	SW846 8270E SIM	1	06/18/2024 07:21	S7M	A
Benzo(a)pyrene	0.0057	P1,P2,S3	mg/kg	0.0057	0.00091	SW846 8270E SIM	1	06/18/2024 07:21	S7M	A
Benzo(b)fluoranthene	0.0096	P1,P2,S3	mg/kg	0.0057	0.00091	SW846 8270E SIM	1	06/18/2024 07:21	S7M	A
Benzo(g,h,i)perylene	0.016	P1,P2,S3	mg/kg	0.0057	0.0011	SW846 8270E SIM	1	06/18/2024 07:21	S7M	A
Benzo(k)fluoranthene	0.0048J	J,P1,P2,S3	mg/kg	0.0057	0.0010	SW846 8270E SIM	1	06/18/2024 07:21	S7M	A
Chrysene	0.015	P1,P2,S3	mg/kg	0.0057	0.0010	SW846 8270E SIM	1	06/18/2024 07:21	S7M	A
Dibenzo(a,h)anthracene	0.00079U	U,P1,P2,S3	mg/kg	0.0057	0.00079	SW846 8270E SIM	1	06/18/2024 07:21	S7M	A
Fluoranthene	0.019	P1,P2,S3	mg/kg	0.0057	0.0010	SW846 8270E SIM	1	06/18/2024 07:21	S7M	A
Fluorene	0.26	P1,P2,S3	mg/kg	0.0057	0.0011	SW846 8270E SIM	1	06/18/2024 07:21	S7M	A
Indeno(1,2,3-cd)pyrene	0.0045J	J,P1,P2,S3	mg/kg	0.0057	0.00091	SW846 8270E SIM	1	06/18/2024 07:21	S7M	A
Naphthalene	1.5	E,P1,P2,S3	mg/kg	0.0057	0.0012	SW846 8270E SIM	1	06/18/2024 07:21	S7M	A
Phenanthrene	0.83	E,P1,P2,S3	mg/kg	0.0057	0.0012	SW846 8270E SIM	1	06/18/2024 07:21	S7M	A



## Results

Client Sample ID	MW-02 (10-12)	Collected	06/03/2024 12:35
Lab Sample ID	3363483006	Lab Receipt	06/08/2024 08:37

### SEMIVOLATILE SIM (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Pyrene	0.039	P1,P2,S3	mg/kg	0.0057	0.00091	SW846 8270E SIM	1	06/18/2024 07:21	S7M	A

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
2-Methylnaphthalene-d10	7297-45-2	87%	50 - 150	06/18/2024 07:21	
Fluoranthene-d10	93951-69-0	109%	50 - 150	06/18/2024 07:21	

### SEMIVOLATILES

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1-Methylnaphthalene	2.3	P1,P2,S3	mg/kg	0.11	0.019	SW846 8270E	1	06/17/2024 14:09	S7M	A
2-Methylnaphthalene	3.7	P1,P2,S3	mg/kg	0.11	0.019	SW846 8270E	1	06/17/2024 14:09	S7M	A
Acenaphthene	0.019U	U,P1,P2,S3	mg/kg	0.057	0.019	SW846 8270E	1	06/17/2024 14:09	S7M	A
Acenaphthylene	0.019U	U,P1,P2,S3	mg/kg	0.057	0.019	SW846 8270E	1	06/17/2024 14:09	S7M	A
Anthracene	0.081	P1,P2,S3	mg/kg	0.057	0.019	SW846 8270E	1	06/17/2024 14:09	S7M	A
Benzo(a)anthracene	0.019U	U,P1,P2,S3	mg/kg	0.057	0.019	SW846 8270E	1	06/17/2024 14:09	S7M	A
Benzo(a)pyrene	0.019U	U,P1,P2,S3	mg/kg	0.057	0.019	SW846 8270E	1	06/17/2024 14:09	S7M	A
Benzo(b)fluoranthene	0.019U	U,P1,P2,S3	mg/kg	0.057	0.019	SW846 8270E	1	06/17/2024 14:09	S7M	A
Benzo(g,h,i)perylene	0.019U	U,P1,P2,S3	mg/kg	0.057	0.019	SW846 8270E	1	06/17/2024 14:09	S7M	A
Benzo(k)fluoranthene	0.019U	U,P1,P2,S3	mg/kg	0.057	0.019	SW846 8270E	1	06/17/2024 14:09	S7M	A
Carbazole	0.019U	U,P1,P2,S3	mg/kg	0.11	0.019	SW846 8270E	1	06/17/2024 14:09	S7M	A
Chrysene	0.019U	U,P1,P2,S3	mg/kg	0.057	0.019	SW846 8270E	1	06/17/2024 14:09	S7M	A
Dibenzo(a,h)anthracene	0.019U	U,P1,P2,S3	mg/kg	0.057	0.019	SW846 8270E	1	06/17/2024 14:09	S7M	A
Dibenzofuran	0.14	P1,P2,S3	mg/kg	0.11	0.019	SW846 8270E	1	06/17/2024 14:09	S7M	A
Fluoranthene	0.019U	U,P1,P2,S3	mg/kg	0.057	0.019	SW846 8270E	1	06/17/2024 14:09	S7M	A
Fluorene	0.31	P1,P2,S3	mg/kg	0.057	0.019	SW846 8270E	1	06/17/2024 14:09	S7M	A
Indeno(1,2,3-cd)pyrene	0.019U	U,P1,P2,S3	mg/kg	0.057	0.019	SW846 8270E	1	06/17/2024 14:09	S7M	A
Naphthalene	1.9	P1,P2,S3	mg/kg	0.057	0.019	SW846 8270E	1	06/17/2024 14:09	S7M	A
Phenanthrene	0.91	P1,P2,S3	mg/kg	0.057	0.019	SW846 8270E	1	06/17/2024 14:09	S7M	A
Pyrene	0.038J	J,P1,P2,S3	mg/kg	0.057	0.019	SW846 8270E	1	06/17/2024 14:09	S7M	A

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## Results

Client Sample ID	MW-02 (10-12)	Collected	06/03/2024 12:35
Lab Sample ID	3363483006	Lab Receipt	06/08/2024 08:37

### SEMIVOLATILES (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
<i>SURROGATES</i>										
Compound	CAS No			Recovery		Limits(%)		Analysis Date/Time		Qualifiers
2,4,6-Tribromophenol	118-79-6			96.3%		19 - 132		06/17/2024 14:09		
2-Fluorobiphenyl	321-60-8			80.2%		40 - 110		06/17/2024 14:09		
2-Fluorophenol	367-12-4			66.5%		26 - 116		06/17/2024 14:09		
Nitrobenzene-d5	4165-60-0			77.6%		38 - 112		06/17/2024 14:09		
Phenol-d5	4165-62-2			77.3%		35 - 111		06/17/2024 14:09		
Terphenyl-d14	98904-43-9			101%		45 - 126		06/17/2024 14:09		

### VOLATILE ORGANICS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1-Trichloroethane	0.013U	U,P1,P2,S3	mg/kg	0.061	0.013	SW846 8260D	50	06/13/2024 01:08	BST	A1
1,1,2,2-Tetrachloroethane	0.021U	U,P1,P2,S3	mg/kg	0.061	0.021	SW846 8260D	50	06/13/2024 01:08	BST	A1
1,1,2-Trichloroethane	0.020U	U,P1,P2,S3	mg/kg	0.061	0.020	SW846 8260D	50	06/13/2024 01:08	BST	A1
1,1-Dichloroethane	0.017U	U,P1,P2,S3	mg/kg	0.061	0.017	SW846 8260D	50	06/13/2024 01:08	BST	A1
1,1-Dichloroethene	0.018U	U,P1,P2,S3	mg/kg	0.061	0.018	SW846 8260D	50	06/13/2024 01:08	BST	A1
1,1-Dichloropropene	0.016U	U,P1,P2,S3	mg/kg	0.061	0.016	SW846 8260D	50	06/13/2024 01:08	BST	A1
1,2,3-Trichlorobenzene	0.056U	U,P1,P2,S3	mg/kg	0.12	0.056	SW846 8260D	50	06/13/2024 01:08	BST	A1
1,2,3-Trichloropropane	0.036U	U,P1,P2,S3	mg/kg	0.12	0.036	SW846 8260D	50	06/13/2024 01:08	BST	A1
1,2,4-Trichlorobenzene	0.050U	U,P1,P2,S3	mg/kg	0.12	0.050	SW846 8260D	50	06/13/2024 01:08	BST	A1
1,2,4-Trimethylbenzene	0.73	P1,P2,S3	mg/kg	0.061	0.015	SW846 8260D	50	06/13/2024 01:08	BST	A1
1,2-Dibromo-3-chloropropane	0.091U	U,P1,P2,S3	mg/kg	0.42	0.091	SW846 8260D	50	06/13/2024 01:08	BST	A1
1,2-Dibromoethane	0.017U	U,P1,P2,S3	mg/kg	0.061	0.017	SW846 8260D	50	06/13/2024 01:08	BST	A1
1,2-Dichlorobenzene	0.023U	U,P1,P2,S3	mg/kg	0.061	0.023	SW846 8260D	50	06/13/2024 01:08	BST	A1
1,2-Dichloroethane	0.048J	J,P1,P2,S3	mg/kg	0.061	0.019	SW846 8260D	50	06/13/2024 01:08	BST	A1
1,2-Dichloropropane	0.015U	U,P1,P2,S3	mg/kg	0.061	0.015	SW846 8260D	50	06/13/2024 01:08	BST	A1
1,3,5-Trimethylbenzene	0.49	P1,P2,S3	mg/kg	0.061	0.012	SW846 8260D	50	06/13/2024 01:08	BST	A1
1,3-Dichlorobenzene	0.015U	U,P1,P2,S3	mg/kg	0.061	0.015	SW846 8260D	50	06/13/2024 01:08	BST	A1
1,3-Dichloropropane	0.016U	U,P1,P2,S3	mg/kg	0.061	0.016	SW846 8260D	50	06/13/2024 01:08	BST	A1
1,4-Dichlorobenzene	0.016U	U,P1,P2,S3	mg/kg	0.061	0.016	SW846 8260D	50	06/13/2024 01:08	BST	A1
2,2-Dichloropropane	0.019U	U,P1,P2,S3	mg/kg	0.061	0.019	SW846 8260D	50	06/13/2024 01:08	BST	A1
2-Butanone	0.11U	U,P1,P2,S3	mg/kg	0.61	0.11	SW846 8260D	50	06/13/2024 01:08	BST	A1
2-Hexanone	0.079U	U,P1,P2,S3	mg/kg	0.30	0.079	SW846 8260D	50	06/13/2024 01:08	BST	A1
4-Methyl-2-Pentanone(MIBK)	0.091U	U,P1,P2,S3	mg/kg	0.30	0.091	SW846 8260D	50	06/13/2024 01:08	BST	A1
Acetone	0.19U	U,P1,P2,S3	mg/kg	0.61	0.19	SW846 8260D	50	06/13/2024 01:08	BST	A1
Benzene	4.8	P1,P2,S3	mg/kg	0.061	0.014	SW846 8260D	50	06/13/2024 01:08	BST	A1



**Results**

Client Sample ID MW-02 (10-12) Collected 06/03/2024 12:35  
 Lab Sample ID 3363483006 Lab Receipt 06/08/2024 08:37

**VOLATILE ORGANICS (cont.)**

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Bromobenzene	0.019U	U,P1,P2,S3	mg/kg	0.061	0.019	SW846 8260D	50	06/13/2024 01:08	BST	A1
Bromochloromethane	0.019U	U,P1,P2,S3	mg/kg	0.061	0.019	SW846 8260D	50	06/13/2024 01:08	BST	A1
Bromodichloromethane	0.016U	U,P1,P2,S3	mg/kg	0.061	0.016	SW846 8260D	50	06/13/2024 01:08	BST	A1
Bromoform	0.024U	U,P1,P2,S3	mg/kg	0.061	0.024	SW846 8260D	50	06/13/2024 01:08	BST	A1
Bromomethane	0.024U	U,P1,P2,S3	mg/kg	0.061	0.024	SW846 8260D	50	06/13/2024 01:08	BST	A1
Carbon Disulfide	0.014U	U,P1,P2,S3	mg/kg	0.061	0.014	SW846 8260D	50	06/13/2024 01:08	BST	A1
Carbon Tetrachloride	0.019U	U,P1,P2,S3	mg/kg	0.061	0.019	SW846 8260D	50	06/13/2024 01:08	BST	A1
Chlorobenzene	0.012U	U,P1,P2,S3	mg/kg	0.061	0.012	SW846 8260D	50	06/13/2024 01:08	BST	A1
Chlorodibromomethane	0.027U	U,P1,P2,S3	mg/kg	0.061	0.027	SW846 8260D	50	06/13/2024 01:08	BST	A1
Chloroethane	0.020U	U,P1,P2,S3	mg/kg	0.061	0.020	SW846 8260D	50	06/13/2024 01:08	BST	A1
Chloroform	0.013U	U,P1,P2,S3	mg/kg	0.061	0.013	SW846 8260D	50	06/13/2024 01:08	BST	A1
Chloromethane	0.019U	U,P1,P2,S3	mg/kg	0.061	0.019	SW846 8260D	50	06/13/2024 01:08	BST	A1
cis-1,2-Dichloroethene	0.019U	U,P1,P2,S3	mg/kg	0.061	0.019	SW846 8260D	50	06/13/2024 01:08	BST	A1
cis-1,3-Dichloropropene	0.019U	U,P1,P2,S3	mg/kg	0.061	0.019	SW846 8260D	50	06/13/2024 01:08	BST	A1
Dibromomethane	0.019U	U,P1,P2,S3	mg/kg	0.061	0.019	SW846 8260D	50	06/13/2024 01:08	BST	A1
Dichlorodifluoromethane	0.020U	U,P1,P2,S3	mg/kg	0.061	0.020	SW846 8260D	50	06/13/2024 01:08	BST	A1
Ethylbenzene	1.3	P1,P2,S3	mg/kg	0.061	0.021	SW846 8260D	50	06/13/2024 01:08	BST	A1
Freon 113	0.016U	U,P1,P2,S3	mg/kg	0.061	0.016	SW846 8260D	50	06/13/2024 01:08	BST	A1
Hexachlorobutadiene	0.061U	U,P1,P2,S3	mg/kg	0.30	0.061	SW846 8260D	50	06/13/2024 01:08	BST	A1
Isopropylbenzene	0.57	P1,P2,S3	mg/kg	0.061	0.013	SW846 8260D	50	06/13/2024 01:08	BST	A1
Methyl t-Butyl Ether	0.020U	U,P1,P2,S3	mg/kg	0.061	0.020	SW846 8260D	50	06/13/2024 01:08	BST	A1
Methylene Chloride	0.027U	U,P1,P2,S3	mg/kg	0.061	0.027	SW846 8260D	50	06/13/2024 01:08	BST	A1
mp-Xylene	1.2	P1,P2,S3	mg/kg	0.12	0.032	SW846 8260D	50	06/13/2024 01:08	BST	A1
Naphthalene	4.8	P1,P2,S3	mg/kg	0.12	0.021	SW846 8260D	50	06/13/2024 01:08	BST	A1
n-Butylbenzene	1.0	P1,P2,S3	mg/kg	0.12	0.036	SW846 8260D	50	06/13/2024 01:08	BST	A1
n-Propylbenzene	1.5	P1,P2,S3	mg/kg	0.061	0.020	SW846 8260D	50	06/13/2024 01:08	BST	A1
o-Chlorotoluene	0.016U	U,P1,P2,S3	mg/kg	0.061	0.016	SW846 8260D	50	06/13/2024 01:08	BST	A1
o-Xylene	0.020U	U,P1,P2,S3	mg/kg	0.061	0.020	SW846 8260D	50	06/13/2024 01:08	BST	A1
p-Chlorotoluene	0.020U	U,P1,P2,S3	mg/kg	0.061	0.020	SW846 8260D	50	06/13/2024 01:08	BST	A1
p-Isopropyltoluene	0.53	P1,P2,S3	mg/kg	0.061	0.019	SW846 8260D	50	06/13/2024 01:08	BST	A1
sec-Butylbenzene	0.45	P1,P2,S3	mg/kg	0.061	0.019	SW846 8260D	50	06/13/2024 01:08	BST	A1
Styrene	0.015U	U,P1,P2,S3	mg/kg	0.061	0.015	SW846 8260D	50	06/13/2024 01:08	BST	A1
tert-Butylbenzene	0.076J	J,P1,P2,S3	mg/kg	0.12	0.027	SW846 8260D	50	06/13/2024 01:08	BST	A1
Tetrachloroethene	0.021U	U,P1,P2,S3	mg/kg	0.061	0.021	SW846 8260D	50	06/13/2024 01:08	BST	A1
Toluene	0.12	P1,P2,S3	mg/kg	0.061	0.014	SW846 8260D	50	06/13/2024 01:08	BST	A1
Total Xylenes	1.2	P1,P2,S3	mg/kg	0.18	0.040	SW846 8260D	50	06/13/2024 01:08	BST	A1

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**Results**

Client Sample ID	MW-02 (10-12)	Collected	06/03/2024 12:35
Lab Sample ID	3363483006	Lab Receipt	06/08/2024 08:37

**VOLATILE ORGANICS (cont.)**

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
trans-1,2-Dichloroethene	0.016U	U,P1,P2,S3	mg/kg	0.061	0.016	SW846 8260D	50	06/13/2024 01:08	BST	A1
trans-1,3-Dichloropropene	0.018U	U,P1,P2,S3	mg/kg	0.061	0.018	SW846 8260D	50	06/13/2024 01:08	BST	A1
Trichloroethene	0.020U	U,P1,P2,S3	mg/kg	0.061	0.020	SW846 8260D	50	06/13/2024 01:08	BST	A1
Trichlorofluoromethane	0.015U	U,P1,P2,S3	mg/kg	0.061	0.015	SW846 8260D	50	06/13/2024 01:08	BST	A1
Vinyl Chloride	0.018U	U,P1,P2,S3	mg/kg	0.061	0.018	SW846 8260D	50	06/13/2024 01:08	BST	A1

*SURROGATES*

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	98.8%	71 - 146	06/13/2024 01:08	
4-Bromofluorobenzene	460-00-4	99%	46 - 138	06/13/2024 01:08	
Dibromofluoromethane	1868-53-7	81.2%	42 - 143	06/13/2024 01:08	
Toluene-d8	2037-26-5	100%	54 - 141	06/13/2024 01:08	

**WET CHEMISTRY**

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Moisture	16.8	P1,P2,S3	%	0.1	0.01	S2540G-11	1	06/11/2024 14:37	J1K	A
Total Solids	83.2	1,P1,P2,S3	%	0.1	0.01	S2540G-11	1	06/11/2024 14:37	J1K	A

DRAFT





## Results

Client Sample ID	SB-16 (8-10)	Collected	06/03/2024 13:30
Lab Sample ID	3363483007	Lab Receipt	06/08/2024 08:37

### GASOLINE RANGE ORGANICS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Gasoline Range Organics	294	P1,P2,S4	mg/kg	54.0	9.2	SW846 8015D	500	06/15/2024 02:32	JTH	A1

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
a,a,a-Trifluorotoluene	98-08-8	502*%	72 - 134	06/15/2024 02:32	

### PETROLEUM HC's

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Diesel Range Organics C10-C28	2150	P1,P2,S4	mg/kg	229	62.5	SW846 8015D	20	06/17/2024 21:46	DXL	A

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
o-Terphenyl	84-15-1	0*%	36 - 122	06/17/2024 21:46	

### SEMIVOLATILE SIM

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,4-Dioxane	0.0026U	U,P1,P2,S4	mg/kg	0.0052	0.0026	SW846 8270E SIM	1	06/18/2024 07:48	S7M	A
1-Methylnaphthalene	3.0	E,P1,P2,S4	mg/kg	0.0052	0.00093	SW846 8270E SIM	1	06/18/2024 07:48	S7M	A
2-Methylnaphthalene	4.0	E,P1,P2,S4	mg/kg	0.0052	0.0013	SW846 8270E SIM	1	06/18/2024 07:48	S7M	A
Acenaphthene	0.24	P1,P2,S4	mg/kg	0.0052	0.00093	SW846 8270E SIM	1	06/18/2024 07:48	S7M	A
Acenaphthylene	0.00093U	U,P1,P2,S4	mg/kg	0.0052	0.00093	SW846 8270E SIM	1	06/18/2024 07:48	S7M	A
Anthracene	0.16	P1,P2,S4	mg/kg	0.0052	0.00083	SW846 8270E SIM	1	06/18/2024 07:48	S7M	A
Benzo(a)anthracene	0.0058	P1,P2,S4	mg/kg	0.0052	0.00083	SW846 8270E SIM	1	06/18/2024 07:48	S7M	A
Benzo(a)pyrene	0.0051J	J,P1,P2,S4	mg/kg	0.0052	0.00083	SW846 8270E SIM	1	06/18/2024 07:48	S7M	A
Benzo(b)fluoranthene	0.0093	P1,P2,S4	mg/kg	0.0052	0.00083	SW846 8270E SIM	1	06/18/2024 07:48	S7M	A
Benzo(g,h,i)perylene	0.016	P1,P2,S4	mg/kg	0.0052	0.0010	SW846 8270E SIM	1	06/18/2024 07:48	S7M	A
Benzo(k)fluoranthene	0.00093U	U,P1,P2,S4	mg/kg	0.0052	0.00093	SW846 8270E SIM	1	06/18/2024 07:48	S7M	A
Chrysene	0.015	P1,P2,S4	mg/kg	0.0052	0.00093	SW846 8270E SIM	1	06/18/2024 07:48	S7M	A
Dibenzo(a,h)anthracene	0.00072U	U,P1,P2,S4	mg/kg	0.0052	0.00072	SW846 8270E SIM	1	06/18/2024 07:48	S7M	A
Fluoranthene	0.00093U	U,P1,P2,S4	mg/kg	0.0052	0.00093	SW846 8270E SIM	1	06/18/2024 07:48	S7M	A
Fluorene	0.48	P1,P2,S4	mg/kg	0.0052	0.0010	SW846 8270E SIM	1	06/18/2024 07:48	S7M	A
Indeno(1,2,3-cd)pyrene	0.0042J	J,P1,P2,S4	mg/kg	0.0052	0.00083	SW846 8270E SIM	1	06/18/2024 07:48	S7M	A
Naphthalene	1.1	E,P1,P2,S4	mg/kg	0.0052	0.0011	SW846 8270E SIM	1	06/18/2024 07:48	S7M	A
Phenanthrene	1.8	E,P1,P2,S4	mg/kg	0.0052	0.0011	SW846 8270E SIM	1	06/18/2024 07:48	S7M	A



## Results

Client Sample ID	SB-16 (8-10)	Collected	06/03/2024 13:30
Lab Sample ID	3363483007	Lab Receipt	06/08/2024 08:37

### SEMIVOLATILE SIM (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Pyrene	0.048	P1,P2,S 4	mg/kg	0.0052	0.00083	SW846 8270E SIM	1	06/18/2024 07:48	S7M	A

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
2-Methylnaphthalene-d10	7297-45-2	99.6%	50 - 150	06/18/2024 07:48	
Fluoranthene-d10	93951-69-0	98.3%	50 - 150	06/18/2024 07:48	

### SEMIVOLATILES

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1-Methylnaphthalene	4.1	P1,P2,S 4	mg/kg	0.10	0.018	SW846 8270E	1	06/17/2024 14:35	S7M	A
2-Methylnaphthalene	6.0	P1,P2,S 4	mg/kg	0.10	0.018	SW846 8270E	1	06/17/2024 14:35	S7M	A
Acenaphthene	0.018U	U,P1,P2 ,S4	mg/kg	0.052	0.018	SW846 8270E	1	06/17/2024 14:35	S7M	A
Acenaphthylene	0.018U	U,P1,P2 ,S4	mg/kg	0.052	0.018	SW846 8270E	1	06/17/2024 14:35	S7M	A
Anthracene	0.19	P1,P2,S 4	mg/kg	0.052	0.018	SW846 8270E	1	06/17/2024 14:35	S7M	A
Benzo(a)anthracene	0.018U	U,P1,P2 ,S4	mg/kg	0.052	0.018	SW846 8270E	1	06/17/2024 14:35	S7M	A
Benzo(a)pyrene	0.018U	U,P1,P2 ,S4	mg/kg	0.052	0.018	SW846 8270E	1	06/17/2024 14:35	S7M	A
Benzo(b)fluoranthene	0.018U	U,P1,P2 ,S4	mg/kg	0.052	0.018	SW846 8270E	1	06/17/2024 14:35	S7M	A
Benzo(g,h,i)perylene	0.021J	J,P1,P2, S4	mg/kg	0.052	0.018	SW846 8270E	1	06/17/2024 14:35	S7M	A
Benzo(k)fluoranthene	0.018U	U,P1,P2 ,S4	mg/kg	0.052	0.018	SW846 8270E	1	06/17/2024 14:35	S7M	A
Carbazole	0.018U	U,P1,P2 ,S4	mg/kg	0.10	0.018	SW846 8270E	1	06/17/2024 14:35	S7M	A
Chrysene	0.018U	U,P1,P2 ,S4	mg/kg	0.052	0.018	SW846 8270E	1	06/17/2024 14:35	S7M	A
Dibenzo(a,h)anthracene	0.018U	U,P1,P2 ,S4	mg/kg	0.052	0.018	SW846 8270E	1	06/17/2024 14:35	S7M	A
Dibenzofuran	0.018U	U,P1,P2 ,S4	mg/kg	0.10	0.018	SW846 8270E	1	06/17/2024 14:35	S7M	A
Fluoranthene	0.018U	U,P1,P2 ,S4	mg/kg	0.052	0.018	SW846 8270E	1	06/17/2024 14:35	S7M	A
Fluorene	0.79	P1,P2,S 4	mg/kg	0.052	0.018	SW846 8270E	1	06/17/2024 14:35	S7M	A
Indeno(1,2,3-cd)pyrene	0.018U	U,P1,P2 ,S4	mg/kg	0.052	0.018	SW846 8270E	1	06/17/2024 14:35	S7M	A
Naphthalene	1.3	P1,P2,S 4	mg/kg	0.052	0.018	SW846 8270E	1	06/17/2024 14:35	S7M	A
Phenanthrene	2.2	P1,P2,S 4	mg/kg	0.052	0.018	SW846 8270E	1	06/17/2024 14:35	S7M	A
Pyrene	0.047J	J,P1,P2, S4	mg/kg	0.052	0.018	SW846 8270E	1	06/17/2024 14:35	S7M	A

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## Results

Client Sample ID	SB-16 (8-10)	Collected	06/03/2024 13:30
Lab Sample ID	3363483007	Lab Receipt	06/08/2024 08:37

### SEMIVOLATILES (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
<i>SURROGATES</i>										
Compound	CAS No			Recovery		Limits(%)		Analysis Date/Time		Qualifiers
2,4,6-Tribromophenol	118-79-6			82.9%		19 - 132		06/17/2024 14:35		
2-Fluorobiphenyl	321-60-8			74.7%		40 - 110		06/17/2024 14:35		
2-Fluorophenol	367-12-4			62.6%		26 - 116		06/17/2024 14:35		
Nitrobenzene-d5	4165-60-0			72.2%		38 - 112		06/17/2024 14:35		
Phenol-d5	4165-62-2			73.4%		35 - 111		06/17/2024 14:35		
Terphenyl-d14	98904-43-9			88.3%		45 - 126		06/17/2024 14:35		

### VOLATILE ORGANICS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1-Trichloroethane	0.012U	U,P1,P2,S4	mg/kg	0.054	0.012	SW846 8260D	50	06/13/2024 01:28	BST	A1
1,1,2,2-Tetrachloroethane	0.018U	U,P1,P2,S4	mg/kg	0.054	0.018	SW846 8260D	50	06/13/2024 01:28	BST	A1
1,1,2-Trichloroethane	0.018U	U,P1,P2,S4	mg/kg	0.054	0.018	SW846 8260D	50	06/13/2024 01:28	BST	A1
1,1-Dichloroethane	0.015U	U,P1,P2,S4	mg/kg	0.054	0.015	SW846 8260D	50	06/13/2024 01:28	BST	A1
1,1-Dichloroethene	0.016U	U,P1,P2,S4	mg/kg	0.054	0.016	SW846 8260D	50	06/13/2024 01:28	BST	A1
1,1-Dichloropropene	0.015U	U,P1,P2,S4	mg/kg	0.054	0.015	SW846 8260D	50	06/13/2024 01:28	BST	A1
1,2,3-Trichlorobenzene	0.050U	U,P1,P2,S4	mg/kg	0.11	0.050	SW846 8260D	50	06/13/2024 01:28	BST	A1
1,2,3-Trichloropropane	0.032U	U,P1,P2,S4	mg/kg	0.11	0.032	SW846 8260D	50	06/13/2024 01:28	BST	A1
1,2,4-Trichlorobenzene	0.044U	U,P1,P2,S4	mg/kg	0.11	0.044	SW846 8260D	50	06/13/2024 01:28	BST	A1
1,2,4-Trimethylbenzene	0.96	P1,P2,S4	mg/kg	0.054	0.013	SW846 8260D	50	06/13/2024 01:28	BST	A1
1,2-Dibromo-3-chloropropane	0.081U	U,P1,P2,S4	mg/kg	0.38	0.081	SW846 8260D	50	06/13/2024 01:28	BST	A1
1,2-Dibromoethane	0.015U	U,P1,P2,S4	mg/kg	0.054	0.015	SW846 8260D	50	06/13/2024 01:28	BST	A1
1,2-Dichlorobenzene	0.021U	U,P1,P2,S4	mg/kg	0.054	0.021	SW846 8260D	50	06/13/2024 01:28	BST	A1
1,2-Dichloroethane	0.017U	U,P1,P2,S4	mg/kg	0.054	0.017	SW846 8260D	50	06/13/2024 01:28	BST	A1
1,2-Dichloropropane	0.013U	U,P1,P2,S4	mg/kg	0.054	0.013	SW846 8260D	50	06/13/2024 01:28	BST	A1
1,3,5-Trimethylbenzene	0.83	P1,P2,S4	mg/kg	0.054	0.011	SW846 8260D	50	06/13/2024 01:28	BST	A1
1,3-Dichlorobenzene	0.013U	U,P1,P2,S4	mg/kg	0.054	0.013	SW846 8260D	50	06/13/2024 01:28	BST	A1
1,3-Dichloropropane	0.015U	U,P1,P2,S4	mg/kg	0.054	0.015	SW846 8260D	50	06/13/2024 01:28	BST	A1
1,4-Dichlorobenzene	0.015U	U,P1,P2,S4	mg/kg	0.054	0.015	SW846 8260D	50	06/13/2024 01:28	BST	A1
2,2-Dichloropropane	0.017U	U,P1,P2,S4	mg/kg	0.054	0.017	SW846 8260D	50	06/13/2024 01:28	BST	A1
2-Butanone	0.097U	U,P1,P2,S4	mg/kg	0.54	0.097	SW846 8260D	50	06/13/2024 01:28	BST	A1
2-Hexanone	0.070U	U,P1,P2,S4	mg/kg	0.27	0.070	SW846 8260D	50	06/13/2024 01:28	BST	A1
4-Methyl-2-Pentanone(MIBK)	0.081U	U,P1,P2,S4	mg/kg	0.27	0.081	SW846 8260D	50	06/13/2024 01:28	BST	A1
Acetone	0.17U	U,P1,P2,S4	mg/kg	0.54	0.17	SW846 8260D	50	06/13/2024 01:28	BST	A1
Benzene	0.55	P1,P2,S4	mg/kg	0.054	0.012	SW846 8260D	50	06/13/2024 01:28	BST	A1



**Results**

Client Sample ID SB-16 (8-10) Collected 06/03/2024 13:30  
 Lab Sample ID 3363483007 Lab Receipt 06/08/2024 08:37

**VOLATILE ORGANICS (cont.)**

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Bromobenzene	0.017U	U,P1,P2,S4	mg/kg	0.054	0.017	SW846 8260D	50	06/13/2024 01:28	BST	A1
Bromochloromethane	0.017U	U,P1,P2,S4	mg/kg	0.054	0.017	SW846 8260D	50	06/13/2024 01:28	BST	A1
Bromodichloromethane	0.015U	U,P1,P2,S4	mg/kg	0.054	0.015	SW846 8260D	50	06/13/2024 01:28	BST	A1
Bromoform	0.022U	U,P1,P2,S4	mg/kg	0.054	0.022	SW846 8260D	50	06/13/2024 01:28	BST	A1
Bromomethane	0.021U	U,P1,P2,S4	mg/kg	0.054	0.021	SW846 8260D	50	06/13/2024 01:28	BST	A1
Carbon Disulfide	0.012U	U,P1,P2,S4	mg/kg	0.054	0.012	SW846 8260D	50	06/13/2024 01:28	BST	A1
Carbon Tetrachloride	0.017U	U,P1,P2,S4	mg/kg	0.054	0.017	SW846 8260D	50	06/13/2024 01:28	BST	A1
Chlorobenzene	0.010U	U,P1,P2,S4	mg/kg	0.054	0.010	SW846 8260D	50	06/13/2024 01:28	BST	A1
Chlorodibromomethane	0.024U	U,P1,P2,S4	mg/kg	0.054	0.024	SW846 8260D	50	06/13/2024 01:28	BST	A1
Chloroethane	0.018U	U,P1,P2,S4	mg/kg	0.054	0.018	SW846 8260D	50	06/13/2024 01:28	BST	A1
Chloroform	0.011U	U,P1,P2,S4	mg/kg	0.054	0.011	SW846 8260D	50	06/13/2024 01:28	BST	A1
Chloromethane	0.017U	U,P1,P2,S4	mg/kg	0.054	0.017	SW846 8260D	50	06/13/2024 01:28	BST	A1
cis-1,2-Dichloroethene	0.017U	U,P1,P2,S4	mg/kg	0.054	0.017	SW846 8260D	50	06/13/2024 01:28	BST	A1
cis-1,3-Dichloropropene	0.017U	U,P1,P2,S4	mg/kg	0.054	0.017	SW846 8260D	50	06/13/2024 01:28	BST	A1
Dibromomethane	0.017U	U,P1,P2,S4	mg/kg	0.054	0.017	SW846 8260D	50	06/13/2024 01:28	BST	A1
Dichlorodifluoromethane	0.018U	U,P1,P2,S4	mg/kg	0.054	0.018	SW846 8260D	50	06/13/2024 01:28	BST	A1
Ethylbenzene	0.65	P1,P2,S4	mg/kg	0.054	0.018	SW846 8260D	50	06/13/2024 01:28	BST	A1
Freon 113	0.014U	U,P1,P2,S4	mg/kg	0.054	0.014	SW846 8260D	50	06/13/2024 01:28	BST	A1
Hexachlorobutadiene	0.054U	U,P1,P2,S4	mg/kg	0.27	0.054	SW846 8260D	50	06/13/2024 01:28	BST	A1
Isopropylbenzene	0.69	P1,P2,S4	mg/kg	0.054	0.012	SW846 8260D	50	06/13/2024 01:28	BST	A1
Methyl t-Butyl Ether	0.018U	U,P1,P2,S4	mg/kg	0.054	0.018	SW846 8260D	50	06/13/2024 01:28	BST	A1
Methylene Chloride	0.024U	U,P1,P2,S4	mg/kg	0.054	0.024	SW846 8260D	50	06/13/2024 01:28	BST	A1
mp-Xylene	0.94	P1,P2,S4	mg/kg	0.11	0.028	SW846 8260D	50	06/13/2024 01:28	BST	A1
Naphthalene	5.9	P1,P2,S4	mg/kg	0.11	0.018	SW846 8260D	50	06/13/2024 01:28	BST	A1
n-Butylbenzene	1.5	P1,P2,S4	mg/kg	0.11	0.032	SW846 8260D	50	06/13/2024 01:28	BST	A1
n-Propylbenzene	1.4	P1,P2,S4	mg/kg	0.054	0.018	SW846 8260D	50	06/13/2024 01:28	BST	A1
o-Chlorotoluene	0.014U	U,P1,P2,S4	mg/kg	0.054	0.014	SW846 8260D	50	06/13/2024 01:28	BST	A1
o-Xylene	0.018U	U,P1,P2,S4	mg/kg	0.054	0.018	SW846 8260D	50	06/13/2024 01:28	BST	A1
p-Chlorotoluene	0.018U	U,P1,P2,S4	mg/kg	0.054	0.018	SW846 8260D	50	06/13/2024 01:28	BST	A1
p-Isopropyltoluene	0.40	P1,P2,S4	mg/kg	0.054	0.017	SW846 8260D	50	06/13/2024 01:28	BST	A1
sec-Butylbenzene	0.55	P1,P2,S4	mg/kg	0.054	0.017	SW846 8260D	50	06/13/2024 01:28	BST	A1
Styrene	0.013U	U,P1,P2,S4	mg/kg	0.054	0.013	SW846 8260D	50	06/13/2024 01:28	BST	A1
tert-Butylbenzene	0.079J	J,P1,P2,S4	mg/kg	0.11	0.024	SW846 8260D	50	06/13/2024 01:28	BST	A1
Tetrachloroethene	0.019U	U,P1,P2,S4	mg/kg	0.054	0.019	SW846 8260D	50	06/13/2024 01:28	BST	A1
Toluene	0.027J	J,P1,P2,S4	mg/kg	0.054	0.012	SW846 8260D	50	06/13/2024 01:28	BST	A1
Total Xylenes	0.94	P1,P2,S4	mg/kg	0.16	0.036	SW846 8260D	50	06/13/2024 01:28	BST	A1

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**Results**

Client Sample ID	SB-16 (8-10)	Collected	06/03/2024 13:30
Lab Sample ID	3363483007	Lab Receipt	06/08/2024 08:37

**VOLATILE ORGANICS (cont.)**

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
trans-1,2-Dichloroethene	0.014U	U,P1,P2,S4	mg/kg	0.054	0.014	SW846 8260D	50	06/13/2024 01:28	BST	A1
trans-1,3-Dichloropropene	0.016U	U,P1,P2,S4	mg/kg	0.054	0.016	SW846 8260D	50	06/13/2024 01:28	BST	A1
Trichloroethene	0.018U	U,P1,P2,S4	mg/kg	0.054	0.018	SW846 8260D	50	06/13/2024 01:28	BST	A1
Trichlorofluoromethane	0.013U	U,P1,P2,S4	mg/kg	0.054	0.013	SW846 8260D	50	06/13/2024 01:28	BST	A1
Vinyl Chloride	0.016U	U,P1,P2,S4	mg/kg	0.054	0.016	SW846 8260D	50	06/13/2024 01:28	BST	A1

*SURROGATES*

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	95%	71 - 146	06/13/2024 01:28	
4-Bromofluorobenzene	460-00-4	102%	46 - 138	06/13/2024 01:28	
Dibromofluoromethane	1868-53-7	79.2%	42 - 143	06/13/2024 01:28	
Toluene-d8	2037-26-5	96.7%	54 - 141	06/13/2024 01:28	

**WET CHEMISTRY**

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Moisture	10.2	P1,P2,S4	%	0.1	0.01	S2540G-11	1	06/11/2024 14:37	J1K	A
Total Solids	89.8	1,P1,P2,S4	%	0.1	0.01	S2540G-11	1	06/11/2024 14:37	J1K	A

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## Results

Client Sample ID	SB-16 (10-12)	Collected	06/03/2024 13:30
Lab Sample ID	3363483008	Lab Receipt	06/08/2024 08:37

### GASOLINE RANGE ORGANICS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Gasoline Range Organics	155	P1,P2,S5	mg/kg	56.9	9.7	SW846 8015D	500	06/14/2024 19:04	JTH	A1

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
a,a,a-Trifluorotoluene	98-08-8	516*%	72 - 134	06/14/2024 19:04	

### PETROLEUM HC's

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Diesel Range Organics C10-C28	803	P1,P2,S5	mg/kg	124	33.9	SW846 8015D	10	06/17/2024 22:18	DXL	A

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
o-Terphenyl	84-15-1	88.3%	36 - 122	06/17/2024 22:18	

### SEMIVOLATILE SIM

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,4-Dioxane	0.0029U	U,P1,P2,S5	mg/kg	0.0059	0.0029	SW846 8270E SIM	1	06/18/2024 08:15	S7M	A
1-Methylnaphthalene	2.6	E,P1,P2,S5	mg/kg	0.0059	0.0011	SW846 8270E SIM	1	06/18/2024 08:15	S7M	A
2-Methylnaphthalene	3.6	E,P1,P2,S5	mg/kg	0.0059	0.0015	SW846 8270E SIM	1	06/18/2024 08:15	S7M	A
Acenaphthene	0.20	P1,P2,S5	mg/kg	0.0059	0.0011	SW846 8270E SIM	1	06/18/2024 08:15	S7M	A
Acenaphthylene	0.0011U	U,P1,P2,S5	mg/kg	0.0059	0.0011	SW846 8270E SIM	1	06/18/2024 08:15	S7M	A
Anthracene	0.099	P1,P2,S5	mg/kg	0.0059	0.00094	SW846 8270E SIM	1	06/18/2024 08:15	S7M	A
Benzo(a)anthracene	0.0034J	J,P1,P2,S5	mg/kg	0.0059	0.00094	SW846 8270E SIM	1	06/18/2024 08:15	S7M	A
Benzo(a)pyrene	0.0026J	J,P1,P2,S5	mg/kg	0.0059	0.00094	SW846 8270E SIM	1	06/18/2024 08:15	S7M	A
Benzo(b)fluoranthene	0.0046J	J,P1,P2,S5	mg/kg	0.0059	0.00094	SW846 8270E SIM	1	06/18/2024 08:15	S7M	A
Benzo(g,h,i)perylene	0.0056J	J,P1,P2,S5	mg/kg	0.0059	0.0012	SW846 8270E SIM	1	06/18/2024 08:15	S7M	A
Benzo(k)fluoranthene	0.0030J	J,P1,P2,S5	mg/kg	0.0059	0.0011	SW846 8270E SIM	1	06/18/2024 08:15	S7M	A
Chrysene	0.0078	P1,P2,S5	mg/kg	0.0059	0.0011	SW846 8270E SIM	1	06/18/2024 08:15	S7M	A
Dibenzo(a,h)anthracene	0.00082U	U,P1,P2,S5	mg/kg	0.0059	0.00082	SW846 8270E SIM	1	06/18/2024 08:15	S7M	A
Fluoranthene	0.016	P1,P2,S5	mg/kg	0.0059	0.0011	SW846 8270E SIM	1	06/18/2024 08:15	S7M	A
Fluorene	0.37	P1,P2,S5	mg/kg	0.0059	0.0012	SW846 8270E SIM	1	06/18/2024 08:15	S7M	A
Indeno(1,2,3-cd)pyrene	0.00094U	U,P1,P2,S5	mg/kg	0.0059	0.00094	SW846 8270E SIM	1	06/18/2024 08:15	S7M	A
Naphthalene	1.0	E,P1,P2,S5	mg/kg	0.0059	0.0013	SW846 8270E SIM	1	06/18/2024 08:15	S7M	A
Phenanthrene	1.2	E,P1,P2,S5	mg/kg	0.0059	0.0013	SW846 8270E SIM	1	06/18/2024 08:15	S7M	A





## Results

Client Sample ID	SB-16 (10-12)	Collected	06/03/2024 13:30
Lab Sample ID	3363483008	Lab Receipt	06/08/2024 08:37

### SEMIVOLATILE SIM (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Pyrene	0.030	P1,P2,S5	mg/kg	0.0059	0.00094	SW846 8270E SIM	1	06/18/2024 08:15	S7M	A

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
2-Methylnaphthalene-d10	7297-45-2	75.4%	50 - 150	06/18/2024 08:15	
Fluoranthene-d10	93951-69-0	103%	50 - 150	06/18/2024 08:15	

### SEMIVOLATILES

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1-Methylnaphthalene	3.6	P1,P2,S5	mg/kg	0.12	0.020	SW846 8270E	1	06/17/2024 15:01	S7M	A
2-Methylnaphthalene	5.3	P1,P2,S5	mg/kg	0.12	0.020	SW846 8270E	1	06/17/2024 15:01	S7M	A
Acenaphthene	0.020U	U,P1,P2,S5	mg/kg	0.059	0.020	SW846 8270E	1	06/17/2024 15:01	S7M	A
Acenaphthylene	0.020U	U,P1,P2,S5	mg/kg	0.059	0.020	SW846 8270E	1	06/17/2024 15:01	S7M	A
Anthracene	0.11	P1,P2,S5	mg/kg	0.059	0.020	SW846 8270E	1	06/17/2024 15:01	S7M	A
Benzo(a)anthracene	0.020U	U,P1,P2,S5	mg/kg	0.059	0.020	SW846 8270E	1	06/17/2024 15:01	S7M	A
Benzo(a)pyrene	0.020U	U,P1,P2,S5	mg/kg	0.059	0.020	SW846 8270E	1	06/17/2024 15:01	S7M	A
Benzo(b)fluoranthene	0.020U	U,P1,P2,S5	mg/kg	0.059	0.020	SW846 8270E	1	06/17/2024 15:01	S7M	A
Benzo(g,h,i)perylene	0.020U	U,P1,P2,S5	mg/kg	0.059	0.020	SW846 8270E	1	06/17/2024 15:01	S7M	A
Benzo(k)fluoranthene	0.020U	U,P1,P2,S5	mg/kg	0.059	0.020	SW846 8270E	1	06/17/2024 15:01	S7M	A
Carbazole	0.020U	U,P1,P2,S5	mg/kg	0.12	0.020	SW846 8270E	1	06/17/2024 15:01	S7M	A
Chrysene	0.020U	U,P1,P2,S5	mg/kg	0.059	0.020	SW846 8270E	1	06/17/2024 15:01	S7M	A
Dibenzo(a,h)anthracene	0.020U	U,P1,P2,S5	mg/kg	0.059	0.020	SW846 8270E	1	06/17/2024 15:01	S7M	A
Dibenzofuran	0.23	P1,P2,S5	mg/kg	0.12	0.020	SW846 8270E	1	06/17/2024 15:01	S7M	A
Fluoranthene	0.020U	U,P1,P2,S5	mg/kg	0.059	0.020	SW846 8270E	1	06/17/2024 15:01	S7M	A
Fluorene	0.50	P1,P2,S5	mg/kg	0.059	0.020	SW846 8270E	1	06/17/2024 15:01	S7M	A
Indeno(1,2,3-cd)pyrene	0.020U	U,P1,P2,S5	mg/kg	0.059	0.020	SW846 8270E	1	06/17/2024 15:01	S7M	A
Naphthalene	1.2	P1,P2,S5	mg/kg	0.059	0.020	SW846 8270E	1	06/17/2024 15:01	S7M	A
Phenanthrene	1.3	P1,P2,S5	mg/kg	0.059	0.020	SW846 8270E	1	06/17/2024 15:01	S7M	A
Pyrene	0.023J	J,P1,P2,S5	mg/kg	0.059	0.020	SW846 8270E	1	06/17/2024 15:01	S7M	A

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## Results

Client Sample ID	SB-16 (10-12)	Collected	06/03/2024 13:30
Lab Sample ID	3363483008	Lab Receipt	06/08/2024 08:37

### SEMIVOLATILES (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
<i>SURROGATES</i>										
Compound	CAS No			Recovery		Limits(%)		Analysis Date/Time		Qualifiers
2,4,6-Tribromophenol	118-79-6			93.3%		19 - 132		06/17/2024 15:01		
2-Fluorobiphenyl	321-60-8			80%		40 - 110		06/17/2024 15:01		
2-Fluorophenol	367-12-4			64.4%		26 - 116		06/17/2024 15:01		
Nitrobenzene-d5	4165-60-0			74%		38 - 112		06/17/2024 15:01		
Phenol-d5	4165-62-2			75.5%		35 - 111		06/17/2024 15:01		
Terphenyl-d14	98904-43-9			93.8%		45 - 126		06/17/2024 15:01		

### VOLATILE ORGANICS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1-Trichloroethane	0.013U	U,P1,P2,S5	mg/kg	0.057	0.013	SW846 8260D	50	06/13/2024 01:48	BST	A1
1,1,2,2-Tetrachloroethane	0.019U	U,P1,P2,S5	mg/kg	0.057	0.019	SW846 8260D	50	06/13/2024 01:48	BST	A1
1,1,2-Trichloroethane	0.019U	U,P1,P2,S5	mg/kg	0.057	0.019	SW846 8260D	50	06/13/2024 01:48	BST	A1
1,1-Dichloroethane	0.016U	U,P1,P2,S5	mg/kg	0.057	0.016	SW846 8260D	50	06/13/2024 01:48	BST	A1
1,1-Dichloroethene	0.017U	U,P1,P2,S5	mg/kg	0.057	0.017	SW846 8260D	50	06/13/2024 01:48	BST	A1
1,1-Dichloropropene	0.015U	U,P1,P2,S5	mg/kg	0.057	0.015	SW846 8260D	50	06/13/2024 01:48	BST	A1
1,2,3-Trichlorobenzene	0.053U	U,P1,P2,S5	mg/kg	0.11	0.053	SW846 8260D	50	06/13/2024 01:48	BST	A1
1,2,3-Trichloropropane	0.034U	U,P1,P2,S5	mg/kg	0.11	0.034	SW846 8260D	50	06/13/2024 01:48	BST	A1
1,2,4-Trichlorobenzene	0.047U	U,P1,P2,S5	mg/kg	0.11	0.047	SW846 8260D	50	06/13/2024 01:48	BST	A1
1,2,4-Trimethylbenzene	0.85	P1,P2,S5	mg/kg	0.057	0.014	SW846 8260D	50	06/13/2024 01:48	BST	A1
1,2-Dibromo-3-chloropropane	0.085U	U,P1,P2,S5	mg/kg	0.40	0.085	SW846 8260D	50	06/13/2024 01:48	BST	A1
1,2-Dibromoethane	0.016U	U,P1,P2,S5	mg/kg	0.057	0.016	SW846 8260D	50	06/13/2024 01:48	BST	A1
1,2-Dichlorobenzene	0.022U	U,P1,P2,S5	mg/kg	0.057	0.022	SW846 8260D	50	06/13/2024 01:48	BST	A1
1,2-Dichloroethane	0.018U	U,P1,P2,S5	mg/kg	0.057	0.018	SW846 8260D	50	06/13/2024 01:48	BST	A1
1,2-Dichloropropane	0.014U	U,P1,P2,S5	mg/kg	0.057	0.014	SW846 8260D	50	06/13/2024 01:48	BST	A1
1,3,5-Trimethylbenzene	0.73	P1,P2,S5	mg/kg	0.057	0.011	SW846 8260D	50	06/13/2024 01:48	BST	A1
1,3-Dichlorobenzene	0.014U	U,P1,P2,S5	mg/kg	0.057	0.014	SW846 8260D	50	06/13/2024 01:48	BST	A1
1,3-Dichloropropane	0.015U	U,P1,P2,S5	mg/kg	0.057	0.015	SW846 8260D	50	06/13/2024 01:48	BST	A1
1,4-Dichlorobenzene	0.015U	U,P1,P2,S5	mg/kg	0.057	0.015	SW846 8260D	50	06/13/2024 01:48	BST	A1
2,2-Dichloropropane	0.018U	U,P1,P2,S5	mg/kg	0.057	0.018	SW846 8260D	50	06/13/2024 01:48	BST	A1
2-Butanone	0.10U	U,P1,P2,S5	mg/kg	0.57	0.10	SW846 8260D	50	06/13/2024 01:48	BST	A1
2-Hexanone	0.074U	U,P1,P2,S5	mg/kg	0.28	0.074	SW846 8260D	50	06/13/2024 01:48	BST	A1
4-Methyl-2-Pentanone(MIBK)	0.085U	U,P1,P2,S5	mg/kg	0.28	0.085	SW846 8260D	50	06/13/2024 01:48	BST	A1
Acetone	0.18U	U,P1,P2,S5	mg/kg	0.57	0.18	SW846 8260D	50	06/13/2024 01:48	BST	A1
Benzene	0.62	P1,P2,S5	mg/kg	0.057	0.013	SW846 8260D	50	06/13/2024 01:48	BST	A1



**Results**

Client Sample ID SB-16 (10-12) Collected 06/03/2024 13:30  
 Lab Sample ID 3363483008 Lab Receipt 06/08/2024 08:37

**VOLATILE ORGANICS (cont.)**

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Bromobenzene	0.018U	U,P1,P2,S5	mg/kg	0.057	0.018	SW846 8260D	50	06/13/2024 01:48	BST	A1
Bromochloromethane	0.018U	U,P1,P2,S5	mg/kg	0.057	0.018	SW846 8260D	50	06/13/2024 01:48	BST	A1
Bromodichloromethane	0.015U	U,P1,P2,S5	mg/kg	0.057	0.015	SW846 8260D	50	06/13/2024 01:48	BST	A1
Bromoform	0.023U	U,P1,P2,S5	mg/kg	0.057	0.023	SW846 8260D	50	06/13/2024 01:48	BST	A1
Bromomethane	0.022U	U,P1,P2,S5	mg/kg	0.057	0.022	SW846 8260D	50	06/13/2024 01:48	BST	A1
Carbon Disulfide	0.013U	U,P1,P2,S5	mg/kg	0.057	0.013	SW846 8260D	50	06/13/2024 01:48	BST	A1
Carbon Tetrachloride	0.018U	U,P1,P2,S5	mg/kg	0.057	0.018	SW846 8260D	50	06/13/2024 01:48	BST	A1
Chlorobenzene	0.011U	U,P1,P2,S5	mg/kg	0.057	0.011	SW846 8260D	50	06/13/2024 01:48	BST	A1
Chlorodibromomethane	0.026U	U,P1,P2,S5	mg/kg	0.057	0.026	SW846 8260D	50	06/13/2024 01:48	BST	A1
Chloroethane	0.019U	U,P1,P2,S5	mg/kg	0.057	0.019	SW846 8260D	50	06/13/2024 01:48	BST	A1
Chloroform	0.012U	U,P1,P2,S5	mg/kg	0.057	0.012	SW846 8260D	50	06/13/2024 01:48	BST	A1
Chloromethane	0.018U	U,P1,P2,S5	mg/kg	0.057	0.018	SW846 8260D	50	06/13/2024 01:48	BST	A1
cis-1,2-Dichloroethene	0.018U	U,P1,P2,S5	mg/kg	0.057	0.018	SW846 8260D	50	06/13/2024 01:48	BST	A1
cis-1,3-Dichloropropene	0.018U	U,P1,P2,S5	mg/kg	0.057	0.018	SW846 8260D	50	06/13/2024 01:48	BST	A1
Dibromomethane	0.018U	U,P1,P2,S5	mg/kg	0.057	0.018	SW846 8260D	50	06/13/2024 01:48	BST	A1
Dichlorodifluoromethane	0.019U	U,P1,P2,S5	mg/kg	0.057	0.019	SW846 8260D	50	06/13/2024 01:48	BST	A1
Ethylbenzene	0.57	P1,P2,S5	mg/kg	0.057	0.019	SW846 8260D	50	06/13/2024 01:48	BST	A1
Freon 113	0.015U	U,P1,P2,S5	mg/kg	0.057	0.015	SW846 8260D	50	06/13/2024 01:48	BST	A1
Hexachlorobutadiene	0.057U	U,P1,P2,S5	mg/kg	0.28	0.057	SW846 8260D	50	06/13/2024 01:48	BST	A1
Isopropylbenzene	0.51	P1,P2,S5	mg/kg	0.057	0.013	SW846 8260D	50	06/13/2024 01:48	BST	A1
Methyl t-Butyl Ether	0.019U	U,P1,P2,S5	mg/kg	0.057	0.019	SW846 8260D	50	06/13/2024 01:48	BST	A1
Methylene Chloride	0.026U	U,P1,P2,S5	mg/kg	0.057	0.026	SW846 8260D	50	06/13/2024 01:48	BST	A1
mp-Xylene	0.81	P1,P2,S5	mg/kg	0.11	0.030	SW846 8260D	50	06/13/2024 01:48	BST	A1
Naphthalene	4.8	P1,P2,S5	mg/kg	0.11	0.019	SW846 8260D	50	06/13/2024 01:48	BST	A1
n-Butylbenzene	1.2	P1,P2,S5	mg/kg	0.11	0.034	SW846 8260D	50	06/13/2024 01:48	BST	A1
n-Propylbenzene	1.1	P1,P2,S5	mg/kg	0.057	0.019	SW846 8260D	50	06/13/2024 01:48	BST	A1
o-Chlorotoluene	0.015U	U,P1,P2,S5	mg/kg	0.057	0.015	SW846 8260D	50	06/13/2024 01:48	BST	A1
o-Xylene	0.019U	U,P1,P2,S5	mg/kg	0.057	0.019	SW846 8260D	50	06/13/2024 01:48	BST	A1
p-Chlorotoluene	0.019U	U,P1,P2,S5	mg/kg	0.057	0.019	SW846 8260D	50	06/13/2024 01:48	BST	A1
p-Isopropyltoluene	0.35	P1,P2,S5	mg/kg	0.057	0.018	SW846 8260D	50	06/13/2024 01:48	BST	A1
sec-Butylbenzene	0.42	P1,P2,S5	mg/kg	0.057	0.018	SW846 8260D	50	06/13/2024 01:48	BST	A1
Styrene	0.014U	U,P1,P2,S5	mg/kg	0.057	0.014	SW846 8260D	50	06/13/2024 01:48	BST	A1
tert-Butylbenzene	0.025U	U,P1,P2,S5	mg/kg	0.11	0.025	SW846 8260D	50	06/13/2024 01:48	BST	A1
Tetrachloroethene	0.020U	U,P1,P2,S5	mg/kg	0.057	0.020	SW846 8260D	50	06/13/2024 01:48	BST	A1
Toluene	0.030J	J,P1,P2,S5	mg/kg	0.057	0.013	SW846 8260D	50	06/13/2024 01:48	BST	A1
Total Xylenes	0.81	P1,P2,S5	mg/kg	0.17	0.038	SW846 8260D	50	06/13/2024 01:48	BST	A1

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**Results**

Client Sample ID	SB-16 (10-12)	Collected	06/03/2024 13:30
Lab Sample ID	3363483008	Lab Receipt	06/08/2024 08:37

**VOLATILE ORGANICS (cont.)**

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
trans-1,2-Dichloroethene	0.015U	U,P1,P2,S5	mg/kg	0.057	0.015	SW846 8260D	50	06/13/2024 01:48	BST	A1
trans-1,3-Dichloropropene	0.017U	U,P1,P2,S5	mg/kg	0.057	0.017	SW846 8260D	50	06/13/2024 01:48	BST	A1
Trichloroethene	0.019U	U,P1,P2,S5	mg/kg	0.057	0.019	SW846 8260D	50	06/13/2024 01:48	BST	A1
Trichlorofluoromethane	0.014U	U,P1,P2,S5	mg/kg	0.057	0.014	SW846 8260D	50	06/13/2024 01:48	BST	A1
Vinyl Chloride	0.017U	U,P1,P2,S5	mg/kg	0.057	0.017	SW846 8260D	50	06/13/2024 01:48	BST	A1

*SURROGATES*

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	94.3%	71 - 146	06/13/2024 01:48	
4-Bromofluorobenzene	460-00-4	102%	46 - 138	06/13/2024 01:48	
Dibromofluoromethane	1868-53-7	81.2%	42 - 143	06/13/2024 01:48	
Toluene-d8	2037-26-5	99.6%	54 - 141	06/13/2024 01:48	

**WET CHEMISTRY**

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Moisture	16.6	P1,P2,S5	%	0.1	0.01	S2540G-11	1	06/11/2024 14:37	J1K	A
Total Solids	83.4	1,P1,P2,S5	%	0.1	0.01	S2540G-11	1	06/11/2024 14:37	J1K	A

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## Results

Client Sample ID	SB-11 (4-6)	Collected	06/03/2024 14:15
Lab Sample ID	3363483009	Lab Receipt	06/08/2024 08:37

### GASOLINE RANGE ORGANICS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Gasoline Range Organics	422	P1,P2,S6	mg/kg	57.8	9.8	SW846 8015D	500	06/14/2024 18:38	JTH	A1

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
a,a,a-Trifluorotoluene	98-08-8	645*%	72 - 134	06/14/2024 18:38	

### PETROLEUM HC's

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Diesel Range Organics C10-C28	3650	P1,P2,S6	mg/kg	622	170	SW846 8015D	50	06/17/2024 22:50	DXL	A

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
o-Terphenyl	84-15-1	0*%	36 - 122	06/17/2024 22:50	

### SEMIVOLATILE SIM

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,4-Dioxane	0.0028U	U,P1,P2,S6	mg/kg	0.0055	0.0028	SW846 8270E SIM	1	06/18/2024 08:43	S7M	A
1-Methylnaphthalene	0.22	P1,P2,S6	mg/kg	0.0055	0.00099	SW846 8270E SIM	1	06/18/2024 08:43	S7M	A
2-Methylnaphthalene	0.097	P1,P2,S6	mg/kg	0.0055	0.0014	SW846 8270E SIM	1	06/18/2024 08:43	S7M	A
Acenaphthene	0.12	P1,P2,S6	mg/kg	0.0055	0.00099	SW846 8270E SIM	1	06/18/2024 08:43	S7M	A
Acenaphthylene	0.056	P1,P2,S6	mg/kg	0.0055	0.00099	SW846 8270E SIM	1	06/18/2024 08:43	S7M	A
Anthracene	0.13	P1,P2,S6	mg/kg	0.0055	0.00088	SW846 8270E SIM	1	06/18/2024 08:43	S7M	A
Benzo(a)anthracene	0.0036J	J,P1,P2,S6	mg/kg	0.0055	0.00088	SW846 8270E SIM	1	06/18/2024 08:43	S7M	A
Benzo(a)pyrene	0.00088U	U,P1,P2,S6	mg/kg	0.0055	0.00088	SW846 8270E SIM	1	06/18/2024 08:43	S7M	A
Benzo(b)fluoranthene	0.00088U	U,P1,P2,S6	mg/kg	0.0055	0.00088	SW846 8270E SIM	1	06/18/2024 08:43	S7M	A
Benzo(g,h,i)perylene	0.0011U	U,P1,P2,S6	mg/kg	0.0055	0.0011	SW846 8270E SIM	1	06/18/2024 08:43	S7M	A
Benzo(k)fluoranthene	0.00099U	U,P1,P2,S6	mg/kg	0.0055	0.00099	SW846 8270E SIM	1	06/18/2024 08:43	S7M	A
Chrysene	0.0053J	J,P1,P2,S6	mg/kg	0.0055	0.00099	SW846 8270E SIM	1	06/18/2024 08:43	S7M	A
Dibenzo(a,h)anthracene	0.00077U	U,P1,P2,S6	mg/kg	0.0055	0.00077	SW846 8270E SIM	1	06/18/2024 08:43	S7M	A
Fluoranthene	0.00099U	U,P1,P2,S6	mg/kg	0.0055	0.00099	SW846 8270E SIM	1	06/18/2024 08:43	S7M	A
Fluorene	0.28	P1,P2,S6	mg/kg	0.0055	0.0011	SW846 8270E SIM	1	06/18/2024 08:43	S7M	A
Indeno(1,2,3-cd)pyrene	0.00088U	U,P1,P2,S6	mg/kg	0.0055	0.00088	SW846 8270E SIM	1	06/18/2024 08:43	S7M	A
Naphthalene	0.042	P1,P2,S6	mg/kg	0.0055	0.0012	SW846 8270E SIM	1	06/18/2024 08:43	S7M	A
Phenanthrene	0.68	E,P1,P2,S6	mg/kg	0.0055	0.0012	SW846 8270E SIM	1	06/18/2024 08:43	S7M	A



## Results

Client Sample ID	SB-11 (4-6)	Collected	06/03/2024 14:15
Lab Sample ID	3363483009	Lab Receipt	06/08/2024 08:37

### SEMIVOLATILE SIM (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Pyrene	0.039	P1,P2,S6	mg/kg	0.0055	0.00088	SW846 8270E SIM	1	06/18/2024 08:43	S7M	A

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
2-Methylnaphthalene-d10	7297-45-2	103%	50 - 150	06/18/2024 08:43	
Fluoranthene-d10	93951-69-0	110%	50 - 150	06/18/2024 08:43	

### SEMIVOLATILES

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1-Methylnaphthalene	0.27	P1,P2,S6	mg/kg	0.11	0.019	SW846 8270E	1	06/17/2024 15:28	S7M	A
2-Methylnaphthalene	0.12	P1,P2,S6	mg/kg	0.11	0.019	SW846 8270E	1	06/17/2024 15:28	S7M	A
Acenaphthene	0.019U	U,P1,P2,S6	mg/kg	0.055	0.019	SW846 8270E	1	06/17/2024 15:28	S7M	A
Acenaphthylene	0.019U	U,P1,P2,S6	mg/kg	0.055	0.019	SW846 8270E	1	06/17/2024 15:28	S7M	A
Anthracene	0.15	P1,P2,S6	mg/kg	0.055	0.019	SW846 8270E	1	06/17/2024 15:28	S7M	A
Benzo(a)anthracene	0.019U	U,P1,P2,S6	mg/kg	0.055	0.019	SW846 8270E	1	06/17/2024 15:28	S7M	A
Benzo(a)pyrene	0.019U	U,P1,P2,S6	mg/kg	0.055	0.019	SW846 8270E	1	06/17/2024 15:28	S7M	A
Benzo(b)fluoranthene	0.019U	U,P1,P2,S6	mg/kg	0.055	0.019	SW846 8270E	1	06/17/2024 15:28	S7M	A
Benzo(g,h,i)perylene	0.019U	U,P1,P2,S6	mg/kg	0.055	0.019	SW846 8270E	1	06/17/2024 15:28	S7M	A
Benzo(k)fluoranthene	0.019U	U,P1,P2,S6	mg/kg	0.055	0.019	SW846 8270E	1	06/17/2024 15:28	S7M	A
Carbazole	0.019U	U,P1,P2,S6	mg/kg	0.11	0.019	SW846 8270E	1	06/17/2024 15:28	S7M	A
Chrysene	0.019U	U,P1,P2,S6	mg/kg	0.055	0.019	SW846 8270E	1	06/17/2024 15:28	S7M	A
Dibenzo(a,h)anthracene	0.019U	U,P1,P2,S6	mg/kg	0.055	0.019	SW846 8270E	1	06/17/2024 15:28	S7M	A
Dibenzofuran	0.019U	U,P1,P2,S6	mg/kg	0.11	0.019	SW846 8270E	1	06/17/2024 15:28	S7M	A
Fluoranthene	0.019U	U,P1,P2,S6	mg/kg	0.055	0.019	SW846 8270E	1	06/17/2024 15:28	S7M	A
Fluorene	0.29	P1,P2,S6	mg/kg	0.055	0.019	SW846 8270E	1	06/17/2024 15:28	S7M	A
Indeno(1,2,3-cd)pyrene	0.019U	U,P1,P2,S6	mg/kg	0.055	0.019	SW846 8270E	1	06/17/2024 15:28	S7M	A
Naphthalene	0.019U	U,P1,P2,S6	mg/kg	0.055	0.019	SW846 8270E	1	06/17/2024 15:28	S7M	A
Phenanthrene	0.77	P1,P2,S6	mg/kg	0.055	0.019	SW846 8270E	1	06/17/2024 15:28	S7M	A
Pyrene	0.038J	J,P1,P2,S6	mg/kg	0.055	0.019	SW846 8270E	1	06/17/2024 15:28	S7M	A

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## Results

Client Sample ID	SB-11 (4-6)	Collected	06/03/2024 14:15
Lab Sample ID	3363483009	Lab Receipt	06/08/2024 08:37

### SEMIVOLATILES (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
<i>SURROGATES</i>										
Compound	CAS No			Recovery		Limits(%)		Analysis Date/Time		Qualifiers
2,4,6-Tribromophenol	118-79-6			91.9%		19 - 132		06/17/2024 15:28		
2-Fluorobiphenyl	321-60-8			78.4%		40 - 110		06/17/2024 15:28		
2-Fluorophenol	367-12-4			59.7%		26 - 116		06/17/2024 15:28		
Nitrobenzene-d5	4165-60-0			69.7%		38 - 112		06/17/2024 15:28		
Phenol-d5	4165-62-2			69.8%		35 - 111		06/17/2024 15:28		
Terphenyl-d14	98904-43-9			103%		45 - 126		06/17/2024 15:28		

### VOLATILE ORGANICS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1-Trichloroethane	0.064U	U,P1,P2,S6	mg/kg	0.29	0.064	SW846 8260D	250	06/13/2024 02:09	BST	A1
1,1,2,2-Tetrachloroethane	0.098U	U,P1,P2,S6	mg/kg	0.29	0.098	SW846 8260D	250	06/13/2024 02:09	BST	A1
1,1,2-Trichloroethane	0.095U	U,P1,P2,S6	mg/kg	0.29	0.095	SW846 8260D	250	06/13/2024 02:09	BST	A1
1,1-Dichloroethane	0.081U	U,P1,P2,S6	mg/kg	0.29	0.081	SW846 8260D	250	06/13/2024 02:09	BST	A1
1,1-Dichloroethene	0.084U	U,P1,P2,S6	mg/kg	0.29	0.084	SW846 8260D	250	06/13/2024 02:09	BST	A1
1,1-Dichloropropene	0.078U	U,P1,P2,S6	mg/kg	0.29	0.078	SW846 8260D	250	06/13/2024 02:09	BST	A1
1,2,3-Trichlorobenzene	0.27U	U,P1,P2,S6	mg/kg	0.58	0.27	SW846 8260D	250	06/13/2024 02:09	BST	A1
1,2,3-Trichloropropane	0.17U	U,P1,P2,S6	mg/kg	0.58	0.17	SW846 8260D	250	06/13/2024 02:09	BST	A1
1,2,4-Trichlorobenzene	0.24U	U,P1,P2,S6	mg/kg	0.58	0.24	SW846 8260D	250	06/13/2024 02:09	BST	A1
1,2,4-Trimethylbenzene	0.072U	U,P1,P2,S6	mg/kg	0.29	0.072	SW846 8260D	250	06/13/2024 02:09	BST	A1
1,2-Dibromo-3-chloropropane	0.43U	U,P1,P2,S6	mg/kg	2.0	0.43	SW846 8260D	250	06/13/2024 02:09	BST	A1
1,2-Dibromoethane	0.081U	U,P1,P2,S6	mg/kg	0.29	0.081	SW846 8260D	250	06/13/2024 02:09	BST	A1
1,2-Dichlorobenzene	0.11U	U,P1,P2,S6	mg/kg	0.29	0.11	SW846 8260D	250	06/13/2024 02:09	BST	A1
1,2-Dichloroethane	0.092U	U,P1,P2,S6	mg/kg	0.29	0.092	SW846 8260D	250	06/13/2024 02:09	BST	A1
1,2-Dichloropropane	0.069U	U,P1,P2,S6	mg/kg	0.29	0.069	SW846 8260D	250	06/13/2024 02:09	BST	A1
1,3,5-Trimethylbenzene	0.13J	J,P1,P2,S6	mg/kg	0.29	0.058	SW846 8260D	250	06/13/2024 02:09	BST	A1
1,3-Dichlorobenzene	0.072U	U,P1,P2,S6	mg/kg	0.29	0.072	SW846 8260D	250	06/13/2024 02:09	BST	A1
1,3-Dichloropropane	0.078U	U,P1,P2,S6	mg/kg	0.29	0.078	SW846 8260D	250	06/13/2024 02:09	BST	A1
1,4-Dichlorobenzene	0.078U	U,P1,P2,S6	mg/kg	0.29	0.078	SW846 8260D	250	06/13/2024 02:09	BST	A1
2,2-Dichloropropane	0.092U	U,P1,P2,S6	mg/kg	0.29	0.092	SW846 8260D	250	06/13/2024 02:09	BST	A1
2-Butanone	0.52U	U,P1,P2,S6	mg/kg	2.9	0.52	SW846 8260D	250	06/13/2024 02:09	BST	A1
2-Hexanone	0.38U	U,P1,P2,S6	mg/kg	1.4	0.38	SW846 8260D	250	06/13/2024 02:09	BST	A1
4-Methyl-2-Pentanone(MIBK)	0.43U	U,P1,P2,S6	mg/kg	1.4	0.43	SW846 8260D	250	06/13/2024 02:09	BST	A1
Acetone	0.90U	U,P1,P2,S6	mg/kg	2.9	0.90	SW846 8260D	250	06/13/2024 02:09	BST	A1
Benzene	0.066U	U,P1,P2,S6	mg/kg	0.29	0.066	SW846 8260D	250	06/13/2024 02:09	BST	A1



**Results**

Client Sample ID	SB-11 (4-6)	Collected	06/03/2024 14:15
Lab Sample ID	3363483009	Lab Receipt	06/08/2024 08:37

**VOLATILE ORGANICS (cont.)**

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Bromobenzene	0.092U	U,P1,P2,S6	mg/kg	0.29	0.092	SW846 8260D	250	06/13/2024 02:09	BST	A1
Bromochloromethane	0.092U	U,P1,P2,S6	mg/kg	0.29	0.092	SW846 8260D	250	06/13/2024 02:09	BST	A1
Bromodichloromethane	0.078U	U,P1,P2,S6	mg/kg	0.29	0.078	SW846 8260D	250	06/13/2024 02:09	BST	A1
Bromoform	0.12U	U,P1,P2,S6	mg/kg	0.29	0.12	SW846 8260D	250	06/13/2024 02:09	BST	A1
Bromomethane	0.11U	U,P1,P2,S6	mg/kg	0.29	0.11	SW846 8260D	250	06/13/2024 02:09	BST	A1
Carbon Disulfide	0.066U	U,P1,P2,S6	mg/kg	0.29	0.066	SW846 8260D	250	06/13/2024 02:09	BST	A1
Carbon Tetrachloride	0.090U	U,P1,P2,S6	mg/kg	0.29	0.090	SW846 8260D	250	06/13/2024 02:09	BST	A1
Chlorobenzene	0.055U	U,P1,P2,S6	mg/kg	0.29	0.055	SW846 8260D	250	06/13/2024 02:09	BST	A1
Chlorodibromomethane	0.13U	U,P1,P2,S6	mg/kg	0.29	0.13	SW846 8260D	250	06/13/2024 02:09	BST	A1
Chloroethane	0.095U	U,P1,P2,S6	mg/kg	0.29	0.095	SW846 8260D	250	06/13/2024 02:09	BST	A1
Chloroform	0.061U	U,P1,P2,S6	mg/kg	0.29	0.061	SW846 8260D	250	06/13/2024 02:09	BST	A1
Chloromethane	0.090U	U,P1,P2,S6	mg/kg	0.29	0.090	SW846 8260D	250	06/13/2024 02:09	BST	A1
cis-1,2-Dichloroethene	0.092U	U,P1,P2,S6	mg/kg	0.29	0.092	SW846 8260D	250	06/13/2024 02:09	BST	A1
cis-1,3-Dichloropropene	0.090U	U,P1,P2,S6	mg/kg	0.29	0.090	SW846 8260D	250	06/13/2024 02:09	BST	A1
Dibromomethane	0.090U	U,P1,P2,S6	mg/kg	0.29	0.090	SW846 8260D	250	06/13/2024 02:09	BST	A1
Dichlorodifluoromethane	0.095U	U,P1,P2,S6	mg/kg	0.29	0.095	SW846 8260D	250	06/13/2024 02:09	BST	A1
Ethylbenzene	0.098U	U,P1,P2,S6	mg/kg	0.29	0.098	SW846 8260D	250	06/13/2024 02:09	BST	A1
Freon 113	0.075U	U,P1,P2,S6	mg/kg	0.29	0.075	SW846 8260D	250	06/13/2024 02:09	BST	A1
Hexachlorobutadiene	0.29U	U,P1,P2,S6	mg/kg	1.4	0.29	SW846 8260D	250	06/13/2024 02:09	BST	A1
Isopropylbenzene	0.42	P1,P2,S6	mg/kg	0.29	0.064	SW846 8260D	250	06/13/2024 02:09	BST	A1
Methyl t-Butyl Ether	0.095U	U,P1,P2,S6	mg/kg	0.29	0.095	SW846 8260D	250	06/13/2024 02:09	BST	A1
Methylene Chloride	0.13U	U,P1,P2,S6	mg/kg	0.29	0.13	SW846 8260D	250	06/13/2024 02:09	BST	A1
mp-Xylene	0.15U	U,P1,P2,S6	mg/kg	0.58	0.15	SW846 8260D	250	06/13/2024 02:09	BST	A1
Naphthalene	3.7	P1,P2,S6	mg/kg	0.58	0.098	SW846 8260D	250	06/13/2024 02:09	BST	A1
n-Butylbenzene	2.0	P1,P2,S6	mg/kg	0.58	0.17	SW846 8260D	250	06/13/2024 02:09	BST	A1
n-Propylbenzene	1.2	P1,P2,S6	mg/kg	0.29	0.095	SW846 8260D	250	06/13/2024 02:09	BST	A1
o-Chlorotoluene	0.075U	U,P1,P2,S6	mg/kg	0.29	0.075	SW846 8260D	250	06/13/2024 02:09	BST	A1
o-Xylene	0.095U	U,P1,P2,S6	mg/kg	0.29	0.095	SW846 8260D	250	06/13/2024 02:09	BST	A1
p-Chlorotoluene	0.095U	U,P1,P2,S6	mg/kg	0.29	0.095	SW846 8260D	250	06/13/2024 02:09	BST	A1
p-Isopropyltoluene	0.092U	U,P1,P2,S6	mg/kg	0.29	0.092	SW846 8260D	250	06/13/2024 02:09	BST	A1
sec-Butylbenzene	0.97	P1,P2,S6	mg/kg	0.29	0.090	SW846 8260D	250	06/13/2024 02:09	BST	A1
Styrene	0.069U	U,P1,P2,S6	mg/kg	0.29	0.069	SW846 8260D	250	06/13/2024 02:09	BST	A1
tert-Butylbenzene	0.13U	U,P1,P2,S6	mg/kg	0.58	0.13	SW846 8260D	250	06/13/2024 02:09	BST	A1
Tetrachloroethene	0.10U	U,P1,P2,S6	mg/kg	0.29	0.10	SW846 8260D	250	06/13/2024 02:09	BST	A1
Toluene	0.066U	U,P1,P2,S6	mg/kg	0.29	0.066	SW846 8260D	250	06/13/2024 02:09	BST	A1
Total Xylenes	0.19U	U,P1,P2,S6	mg/kg	0.87	0.19	SW846 8260D	250	06/13/2024 02:09	BST	A1

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**Results**

Client Sample ID	SB-11 (4-6)	Collected	06/03/2024 14:15
Lab Sample ID	3363483009	Lab Receipt	06/08/2024 08:37

**VOLATILE ORGANICS (cont.)**

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
trans-1,2-Dichloroethene	0.075U	U,P1,P2,S6	mg/kg	0.29	0.075	SW846 8260D	250	06/13/2024 02:09	BST	A1
trans-1,3-Dichloropropene	0.084U	U,P1,P2,S6	mg/kg	0.29	0.084	SW846 8260D	250	06/13/2024 02:09	BST	A1
Trichloroethene	0.095U	U,P1,P2,S6	mg/kg	0.29	0.095	SW846 8260D	250	06/13/2024 02:09	BST	A1
Trichlorofluoromethane	0.069U	U,P1,P2,S6	mg/kg	0.29	0.069	SW846 8260D	250	06/13/2024 02:09	BST	A1
Vinyl Chloride	0.087U	U,P1,P2,S6	mg/kg	0.29	0.087	SW846 8260D	250	06/13/2024 02:09	BST	A1

*SURROGATES*

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	94.7%	71 - 146	06/13/2024 02:09	
4-Bromofluorobenzene	460-00-4	95.7%	46 - 138	06/13/2024 02:09	
Dibromofluoromethane	1868-53-7	82.5%	42 - 143	06/13/2024 02:09	
Toluene-d8	2037-26-5	96.5%	54 - 141	06/13/2024 02:09	

**WET CHEMISTRY**

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Moisture	15.8	P1,P2,S6	%	0.1	0.01	S2540G-11	1	06/11/2024 14:37	J1K	A
Total Solids	84.2	1,P1,P2,S6	%	0.1	0.01	S2540G-11	1	06/11/2024 14:37	J1K	A

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## Results

Client Sample ID	SB-11 (8-10)	Collected	06/03/2024 14:15
Lab Sample ID	3363483010	Lab Receipt	06/08/2024 08:37

### GASOLINE RANGE ORGANICS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Gasoline Range Organics	2.7J	J,P1,P2	mg/kg	10.7	1.8	SW846 8015D	100	06/14/2024 18:12	JTH	A1

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
a,a,a-Trifluorotoluene	98-08-8	108%	72 - 134	06/14/2024 18:12	

### PETROLEUM HC's

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Diesel Range Organics C10-C28	38.6	P1,P2	mg/kg	11.2	3.1	SW846 8015D	1	06/15/2024 06:48	AJW	A

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
o-Terphenyl	84-15-1	83%	36 - 122	06/15/2024 06:48	

### SEMIVOLATILE SIM

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,4-Dioxane	0.0026U	U,P1,P2	mg/kg	0.0052	0.0026	SW846 8270E SIM	1	06/18/2024 10:07	S7M	A
1-Methylnaphthalene	0.24	P1,P2	mg/kg	0.0052	0.00094	SW846 8270E SIM	1	06/18/2024 10:07	S7M	A
2-Methylnaphthalene	0.23	P1,P2	mg/kg	0.0052	0.0014	SW846 8270E SIM	1	06/18/2024 10:07	S7M	A
Acenaphthene	0.00094U	U,P1,P2	mg/kg	0.0052	0.00094	SW846 8270E SIM	1	06/18/2024 10:07	S7M	A
Acenaphthylene	0.00094U	U,P1,P2	mg/kg	0.0052	0.00094	SW846 8270E SIM	1	06/18/2024 10:07	S7M	A
Anthracene	0.0093	P1,P2	mg/kg	0.0052	0.00084	SW846 8270E SIM	1	06/18/2024 10:07	S7M	A
Benzo(a)anthracene	0.0091	P1,P2	mg/kg	0.0052	0.00084	SW846 8270E SIM	1	06/18/2024 10:07	S7M	A
Benzo(a)pyrene	0.0098	P1,P2	mg/kg	0.0052	0.00084	SW846 8270E SIM	1	06/18/2024 10:07	S7M	A
Benzo(b)fluoranthene	0.021	P1,P2	mg/kg	0.0052	0.00084	SW846 8270E SIM	1	06/18/2024 10:07	S7M	A
Benzo(g,h,i)perylene	0.034	P1,P2	mg/kg	0.0052	0.0010	SW846 8270E SIM	1	06/18/2024 10:07	S7M	A
Benzo(k)fluoranthene	0.0091	P1,P2	mg/kg	0.0052	0.00094	SW846 8270E SIM	1	06/18/2024 10:07	S7M	A
Chrysene	0.026	P1,P2	mg/kg	0.0052	0.00094	SW846 8270E SIM	1	06/18/2024 10:07	S7M	A
Dibenzo(a,h)anthracene	0.0045J	J,P1,P2	mg/kg	0.0052	0.00073	SW846 8270E SIM	1	06/18/2024 10:07	S7M	A
Fluoranthene	0.014	P1,P2	mg/kg	0.0052	0.00094	SW846 8270E SIM	1	06/18/2024 10:07	S7M	A
Fluorene	0.029	P1,P2	mg/kg	0.0052	0.0010	SW846 8270E SIM	1	06/18/2024 10:07	S7M	A
Indeno(1,2,3-cd)pyrene	0.0079	P1,P2	mg/kg	0.0052	0.00084	SW846 8270E SIM	1	06/18/2024 10:07	S7M	A
Naphthalene	0.063	P1,P2	mg/kg	0.0052	0.0012	SW846 8270E SIM	1	06/18/2024 10:07	S7M	A
Phenanthrene	0.14	P1,P2	mg/kg	0.0052	0.0012	SW846 8270E SIM	1	06/18/2024 10:07	S7M	A



## Results

Client Sample ID	SB-11 (8-10)	Collected	06/03/2024 14:15
Lab Sample ID	3363483010	Lab Receipt	06/08/2024 08:37

### SEMIVOLATILE SIM (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Pyrene	0.024	P1,P2	mg/kg	0.0052	0.00084	SW846 8270E SIM	1	06/18/2024 10:07	S7M	A

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
2-Methylnaphthalene-d10	7297-45-2	87.6%	50 - 150	06/18/2024 10:07	
Fluoranthene-d10	93951-69-0	102%	50 - 150	06/18/2024 10:07	

### SEMIVOLATILES

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1-Methylnaphthalene	0.24	P1,P2	mg/kg	0.10	0.018	SW846 8270E	1	06/17/2024 15:54	S7M	A
2-Methylnaphthalene	0.22	P1,P2	mg/kg	0.10	0.018	SW846 8270E	1	06/17/2024 15:54	S7M	A
Acenaphthene	0.018U	U,P1,P2	mg/kg	0.052	0.018	SW846 8270E	1	06/17/2024 15:54	S7M	A
Acenaphthylene	0.018U	U,P1,P2	mg/kg	0.052	0.018	SW846 8270E	1	06/17/2024 15:54	S7M	A
Anthracene	0.018U	U,P1,P2	mg/kg	0.052	0.018	SW846 8270E	1	06/17/2024 15:54	S7M	A
Benzo(a)anthracene	0.018U	U,P1,P2	mg/kg	0.052	0.018	SW846 8270E	1	06/17/2024 15:54	S7M	A
Benzo(a)pyrene	0.018U	U,P1,P2	mg/kg	0.052	0.018	SW846 8270E	1	06/17/2024 15:54	S7M	A
Benzo(b)fluoranthene	0.028J	J,P1,P2	mg/kg	0.052	0.018	SW846 8270E	1	06/17/2024 15:54	S7M	A
Benzo(g,h,i)perylene	0.040J	J,P1,P2	mg/kg	0.052	0.018	SW846 8270E	1	06/17/2024 15:54	S7M	A
Benzo(k)fluoranthene	0.018U	U,P1,P2	mg/kg	0.052	0.018	SW846 8270E	1	06/17/2024 15:54	S7M	A
Carbazole	0.018U	U,P1,P2	mg/kg	0.10	0.018	SW846 8270E	1	06/17/2024 15:54	S7M	A
Chrysene	0.018U	U,P1,P2	mg/kg	0.052	0.018	SW846 8270E	1	06/17/2024 15:54	S7M	A
Dibenzo(a,h)anthracene	0.018U	U,P1,P2	mg/kg	0.052	0.018	SW846 8270E	1	06/17/2024 15:54	S7M	A
Dibenzofuran	0.032J	J,P1,P2	mg/kg	0.10	0.018	SW846 8270E	1	06/17/2024 15:54	S7M	A
Fluoranthene	0.018U	U,P1,P2	mg/kg	0.052	0.018	SW846 8270E	1	06/17/2024 15:54	S7M	A
Fluorene	0.034J	J,P1,P2	mg/kg	0.052	0.018	SW846 8270E	1	06/17/2024 15:54	S7M	A
Indeno(1,2,3-cd)pyrene	0.018U	U,P1,P2	mg/kg	0.052	0.018	SW846 8270E	1	06/17/2024 15:54	S7M	A
Naphthalene	0.064	P1,P2	mg/kg	0.052	0.018	SW846 8270E	1	06/17/2024 15:54	S7M	A
Phenanthrene	0.15	P1,P2	mg/kg	0.052	0.018	SW846 8270E	1	06/17/2024 15:54	S7M	A
Pyrene	0.026J	J,P1,P2	mg/kg	0.052	0.018	SW846 8270E	1	06/17/2024 15:54	S7M	A

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
2,4,6-Tribromophenol	118-79-6	89.7%	19 - 132	06/17/2024 15:54	
2-Fluorobiphenyl	321-60-8	83.6%	40 - 110	06/17/2024 15:54	
2-Fluorophenol	367-12-4	68%	26 - 116	06/17/2024 15:54	
Nitrobenzene-d5	4165-60-0	72.5%	38 - 112	06/17/2024 15:54	
Phenol-d5	4165-62-2	78.1%	35 - 111	06/17/2024 15:54	
Terphenyl-d14	98904-43-9	99.1%	45 - 126	06/17/2024 15:54	

### VOLATILE ORGANICS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1-Trichloroethane	0.00063U	U,P1,P2	mg/kg	0.0020	0.00063	SW846 8260D	1	06/14/2024 12:15	TMP	A3

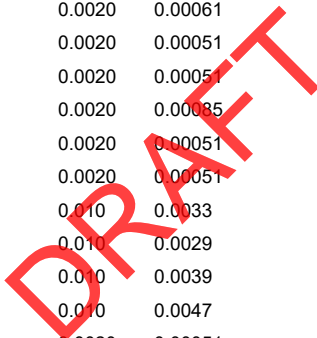


**Results**

Client Sample ID SB-11 (8-10) Collected 06/03/2024 14:15  
 Lab Sample ID 3363483010 Lab Receipt 06/08/2024 08:37

**VOLATILE ORGANICS (cont.)**

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,2,2-Tetrachloroethane	0.00057U	U,P1,P2	mg/kg	0.0020	0.00057	SW846 8260D	1	06/14/2024 12:15	TMP	A3
1,1,2-Trichloroethane	0.00057U	U,P1,P2	mg/kg	0.0020	0.00057	SW846 8260D	1	06/14/2024 12:15	TMP	A3
1,1-Dichloroethane	0.00051U	U,P1,P2	mg/kg	0.0020	0.00051	SW846 8260D	1	06/14/2024 12:15	TMP	A3
1,1-Dichloroethene	0.00053U	U,P1,P2	mg/kg	0.0020	0.00053	SW846 8260D	1	06/14/2024 12:15	TMP	A3
1,1-Dichloropropene	0.00051U	U,P1,P2	mg/kg	0.0020	0.00051	SW846 8260D	1	06/14/2024 12:15	TMP	A3
1,2,3-Trichlorobenzene	0.00051U	U,P1,P2	mg/kg	0.0051	0.00051	SW846 8260D	1	06/14/2024 12:15	TMP	A3
1,2,3-Trichloropropane	0.00051U	U,P1,P2	mg/kg	0.0020	0.00051	SW846 8260D	1	06/14/2024 12:15	TMP	A3
1,2,4-Trichlorobenzene	0.00051U	U,P1,P2	mg/kg	0.0051	0.00051	SW846 8260D	1	06/14/2024 12:15	TMP	A3
1,2,4-Trimethylbenzene	0.00051U	U,P1,P2	mg/kg	0.0020	0.00051	SW846 8260D	1	06/14/2024 12:15	TMP	A3
1,2-Dibromo-3-chloropropane	0.00026U	U,P1,P2	mg/kg	0.0020	0.00026	SW846 8260D	1	06/14/2024 12:15	TMP	A3
1,2-Dibromoethane	0.00055U	U,P1,P2	mg/kg	0.0020	0.00055	SW846 8260D	1	06/14/2024 12:15	TMP	A3
1,2-Dichlorobenzene	0.00051U	U,P1,P2	mg/kg	0.0020	0.00051	SW846 8260D	1	06/14/2024 12:15	TMP	A3
1,2-Dichloroethane	0.00051U	U,P1,P2	mg/kg	0.0020	0.00051	SW846 8260D	1	06/14/2024 12:15	TMP	A3
1,2-Dichloropropane	0.00061U	U,P1,P2	mg/kg	0.0020	0.00061	SW846 8260D	1	06/14/2024 12:15	TMP	A3
1,3,5-Trimethylbenzene	0.00051U	U,P1,P2	mg/kg	0.0020	0.00051	SW846 8260D	1	06/14/2024 12:15	TMP	A3
1,3-Dichlorobenzene	0.00051U	U,P1,P2	mg/kg	0.0020	0.00051	SW846 8260D	1	06/14/2024 12:15	TMP	A3
1,3-Dichloropropane	0.00085U	U,P1,P2	mg/kg	0.0020	0.00085	SW846 8260D	1	06/14/2024 12:15	TMP	A3
1,4-Dichlorobenzene	0.00051U	U,P1,P2	mg/kg	0.0020	0.00051	SW846 8260D	1	06/14/2024 12:15	TMP	A3
2,2-Dichloropropane	0.00051U	U,P1,P2	mg/kg	0.0020	0.00051	SW846 8260D	1	06/14/2024 12:15	TMP	A3
2-Butanone	0.0033U	U,P1,P2	mg/kg	0.010	0.0033	SW846 8260D	1	06/14/2024 12:15	TMP	A3
2-Hexanone	0.0029U	U,P1,P2	mg/kg	0.010	0.0029	SW846 8260D	1	06/14/2024 12:15	TMP	A3
4-Methyl-2-Pentanone(MIBK)	0.0039U	U,P1,P2	mg/kg	0.010	0.0039	SW846 8260D	1	06/14/2024 12:15	TMP	A3
Acetone	0.018	P1,P2	mg/kg	0.010	0.0047	SW846 8260D	1	06/14/2024 12:15	TMP	A3
Benzene	0.00051U	U,P1,P2	mg/kg	0.0020	0.00051	SW846 8260D	1	06/14/2024 12:15	TMP	A3
Bromobenzene	0.00051U	U,P1,P2	mg/kg	0.0020	0.00051	SW846 8260D	1	06/14/2024 12:15	TMP	A3
Bromochloromethane	0.00051U	U,P1,P2	mg/kg	0.0020	0.00051	SW846 8260D	1	06/14/2024 12:15	TMP	A3
Bromodichloromethane	0.00073U	U,P1,P2	mg/kg	0.0020	0.00073	SW846 8260D	1	06/14/2024 12:15	TMP	A3
Bromoform	0.00053U	U,P1,P2	mg/kg	0.0020	0.00053	SW846 8260D	1	06/14/2024 12:15	TMP	A3
Bromomethane	0.00093J	J,P1,P2	mg/kg	0.0020	0.00053	SW846 8260D	1	06/14/2024 12:15	TMP	A3
Carbon Disulfide	0.00064U	U,P1,P2	mg/kg	0.0020	0.00064	SW846 8260D	1	06/14/2024 12:15	TMP	A3
Carbon Tetrachloride	0.00052U	U,P1,P2	mg/kg	0.0020	0.00052	SW846 8260D	1	06/14/2024 12:15	TMP	A3
Chlorobenzene	0.00052U	U,P1,P2	mg/kg	0.0020	0.00052	SW846 8260D	1	06/14/2024 12:15	TMP	A3
Chlorodibromomethane	0.00069U	U,P1,P2	mg/kg	0.0020	0.00069	SW846 8260D	1	06/14/2024 12:15	TMP	A3
Chloroethane	0.00087U	U,P1,P2	mg/kg	0.0051	0.00087	SW846 8260D	1	06/14/2024 12:15	TMP	A3
Chloroform	0.00054U	U,P1,P2	mg/kg	0.0020	0.00054	SW846 8260D	1	06/14/2024 12:15	TMP	A3
Chloromethane	0.00056U	U,P1,P2	mg/kg	0.0020	0.00056	SW846 8260D	1	06/14/2024 12:15	TMP	A3
cis-1,2-Dichloroethene	0.00051U	U,P1,P2	mg/kg	0.0020	0.00051	SW846 8260D	1	06/14/2024 12:15	TMP	A3
cis-1,3-Dichloropropene	0.00056U	U,P1,P2	mg/kg	0.0020	0.00056	SW846 8260D	1	06/14/2024 12:15	TMP	A3
Dibromomethane	0.00074U	U,P1,P2	mg/kg	0.0020	0.00074	SW846 8260D	1	06/14/2024 12:15	TMP	A3
Dichlorodifluoromethane	0.00068U	U,P1,P2	mg/kg	0.0020	0.00068	SW846 8260D	1	06/14/2024 12:15	TMP	A3
Ethylbenzene	0.00069U	U,P1,P2	mg/kg	0.0020	0.00069	SW846 8260D	1	06/14/2024 12:15	TMP	A3
Freon 113	0.00051U	U,5,6,P1,P2	mg/kg	0.0020	0.00051	SW846 8260D	1	06/14/2024 12:15	TMP	A3
Hexachlorobutadiene	0.00051U	U,P1,P2	mg/kg	0.0051	0.00051	SW846 8260D	1	06/14/2024 12:15	TMP	A3
Isopropylbenzene	0.00062U	U,P1,P2	mg/kg	0.0020	0.00062	SW846 8260D	1	06/14/2024 12:15	TMP	A3
Methyl t-Butyl Ether	0.00051U	U,P1,P2	mg/kg	0.0020	0.00051	SW846 8260D	1	06/14/2024 12:15	TMP	A3
Methylene Chloride	0.0015J	J,P1,P2	mg/kg	0.0020	0.00080	SW846 8260D	1	06/14/2024 12:15	TMP	A3
mp-Xylene	0.00085U	U,P1,P2	mg/kg	0.0041	0.00085	SW846 8260D	1	06/14/2024 12:15	TMP	A3







## Results

Client Sample ID	SB-11 (8-10)	Collected	06/03/2024 14:15
Lab Sample ID	3363483010	Lab Receipt	06/08/2024 08:37

### VOLATILE ORGANICS (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Naphthalene	0.0010J	J,P1,P2	mg/kg	0.0020	0.00051	SW846 8260D	1	06/14/2024 12:15	TMP	A3
n-Butylbenzene	0.00051U	U,4,P1,P2	mg/kg	0.0020	0.00051	SW846 8260D	1	06/14/2024 12:15	TMP	A3
n-Propylbenzene	0.00051U	U,P1,P2	mg/kg	0.0020	0.00051	SW846 8260D	1	06/14/2024 12:15	TMP	A3
o-Chlorotoluene	0.00051U	U,P1,P2	mg/kg	0.0020	0.00051	SW846 8260D	1	06/14/2024 12:15	TMP	A3
o-Xylene	0.00059U	U,P1,P2	mg/kg	0.0020	0.00059	SW846 8260D	1	06/14/2024 12:15	TMP	A3
p-Chlorotoluene	0.00051U	U,P1,P2	mg/kg	0.0020	0.00051	SW846 8260D	1	06/14/2024 12:15	TMP	A3
p-Isopropyltoluene	0.00051U	U,P1,P2	mg/kg	0.0020	0.00051	SW846 8260D	1	06/14/2024 12:15	TMP	A3
sec-Butylbenzene	0.00051U	U,P1,P2	mg/kg	0.0020	0.00051	SW846 8260D	1	06/14/2024 12:15	TMP	A3
Styrene	0.00051U	U,P1,P2	mg/kg	0.0020	0.00051	SW846 8260D	1	06/14/2024 12:15	TMP	A3
tert-Butylbenzene	0.00056U	U,P1,P2	mg/kg	0.0020	0.00056	SW846 8260D	1	06/14/2024 12:15	TMP	A3
Tetrachloroethene	0.00061U	U,P1,P2	mg/kg	0.0020	0.00061	SW846 8260D	1	06/14/2024 12:15	TMP	A3
Toluene	0.00068U	U,P1,P2	mg/kg	0.0020	0.00068	SW846 8260D	1	06/14/2024 12:15	TMP	A3
Total Xylenes	0.0014U	U,P1,P2	mg/kg	0.0061	0.0014	SW846 8260D	1	06/14/2024 12:15	TMP	A3
trans-1,2-Dichloroethene	0.00053U	U,P1,P2	mg/kg	0.0020	0.00053	SW846 8260D	1	06/14/2024 12:15	TMP	A3
trans-1,3-Dichloropropene	0.00059U	U,P1,P2	mg/kg	0.0020	0.00059	SW846 8260D	1	06/14/2024 12:15	TMP	A3
Trichloroethene	0.00051U	U,P1,P2	mg/kg	0.0020	0.00051	SW846 8260D	1	06/14/2024 12:15	TMP	A3
Trichlorofluoromethane	0.00051U	U,P1,P2	mg/kg	0.0020	0.00051	SW846 8260D	1	06/14/2024 12:15	TMP	A3
Vinyl Chloride	0.00051U	U,P1,P2	mg/kg	0.0020	0.00051	SW846 8260D	1	06/14/2024 12:15	TMP	A3

### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	117%	56 - 124	06/14/2024 12:15	
4-Bromofluorobenzene	460-00-4	99.1%	51 - 128	06/14/2024 12:15	
Dibromofluoromethane	1868-53-7	103%	62 - 123	06/14/2024 12:15	
Toluene-d8	2037-26-5	98.4%	59 - 131	06/14/2024 12:15	

### WET CHEMISTRY

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Moisture	9.9	P1,P2	%	0.1	0.01	S2540G-11	1	06/11/2024 14:37	J1K	A
Total Solids	90.1	1,P1,P2	%	0.1	0.01	S2540G-11	1	06/11/2024 14:37	J1K	A



## Results

Client Sample ID	SB-15 (6-8)	Collected	06/03/2024 15:20
Lab Sample ID	3363483011	Lab Receipt	06/08/2024 08:37

### GASOLINE RANGE ORGANICS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Gasoline Range Organics	60.6	P1,P2	mg/kg	11.0	1.9	SW846 8015D	100	06/14/2024 17:46	JTH	A1

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
a,a,a-Trifluorotoluene	98-08-8	118%	72 - 134	06/14/2024 17:46	

### PETROLEUM HC's

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Diesel Range Organics C10-C28	82.1	P1,P2	mg/kg	12.0	3.3	SW846 8015D	1	06/15/2024 07:49	KJH	A

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
o-Terphenyl	84-15-1	83.8%	36 - 122	06/15/2024 07:49	

### SEMIVOLATILE SIM

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,4-Dioxane	0.0028U	U,P1,P2	mg/kg	0.0056	0.0028	SW846 8270E SIM	1	06/18/2024 10:35	S7M	A
1-Methylnaphthalene	0.51	P1,P2	mg/kg	0.0056	0.0010	SW846 8270E SIM	1	06/18/2024 10:35	S7M	A
2-Methylnaphthalene	0.53	P1,P2	mg/kg	0.0056	0.0014	SW846 8270E SIM	1	06/18/2024 10:35	S7M	A
Acenaphthene	0.0010U	U,P1,P2	mg/kg	0.0056	0.0010	SW846 8270E SIM	1	06/18/2024 10:35	S7M	A
Acenaphthylene	0.0010U	U,P1,P2	mg/kg	0.0056	0.0010	SW846 8270E SIM	1	06/18/2024 10:35	S7M	A
Anthracene	0.015	P1,P2	mg/kg	0.0056	0.00089	SW846 8270E SIM	1	06/18/2024 10:35	S7M	A
Benzo(a)anthracene	0.021	P1,P2	mg/kg	0.0056	0.00089	SW846 8270E SIM	1	06/18/2024 10:35	S7M	A
Benzo(a)pyrene	0.019	P1,P2	mg/kg	0.0056	0.00089	SW846 8270E SIM	1	06/18/2024 10:35	S7M	A
Benzo(b)fluoranthene	0.040	P1,P2	mg/kg	0.0056	0.00089	SW846 8270E SIM	1	06/18/2024 10:35	S7M	A
Benzo(g,h,i)perylene	0.039	P1,P2	mg/kg	0.0056	0.0011	SW846 8270E SIM	1	06/18/2024 10:35	S7M	A
Benzo(k)fluoranthene	0.023	P1,P2	mg/kg	0.0056	0.0010	SW846 8270E SIM	1	06/18/2024 10:35	S7M	A
Chrysene	0.046	P1,P2	mg/kg	0.0056	0.0010	SW846 8270E SIM	1	06/18/2024 10:35	S7M	A
Dibenzo(a,h)anthracene	0.0085	P1,P2	mg/kg	0.0056	0.00078	SW846 8270E SIM	1	06/18/2024 10:35	S7M	A
Fluoranthene	0.034	P1,P2	mg/kg	0.0056	0.0010	SW846 8270E SIM	1	06/18/2024 10:35	S7M	A
Fluorene	0.032	P1,P2	mg/kg	0.0056	0.0011	SW846 8270E SIM	1	06/18/2024 10:35	S7M	A
Indeno(1,2,3-cd)pyrene	0.017	P1,P2	mg/kg	0.0056	0.00089	SW846 8270E SIM	1	06/18/2024 10:35	S7M	A
Naphthalene	0.74	E,P1,P2	mg/kg	0.0056	0.0012	SW846 8270E SIM	1	06/18/2024 10:35	S7M	A
Phenanthrene	0.25	P1,P2	mg/kg	0.0056	0.0012	SW846 8270E SIM	1	06/18/2024 10:35	S7M	A



## Results

Client Sample ID	SB-15 (6-8)	Collected	06/03/2024 15:20
Lab Sample ID	3363483011	Lab Receipt	06/08/2024 08:37

### SEMIVOLATILE SIM (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Pyrene	0.056	P1,P2	mg/kg	0.0056	0.00089	SW846 8270E SIM	1	06/18/2024 10:35	S7M	A

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
2-Methylnaphthalene-d10	7297-45-2	79.5%	50 - 150	06/18/2024 10:35	
Fluoranthene-d10	93951-69-0	87.9%	50 - 150	06/18/2024 10:35	

### SEMIVOLATILES

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1-Methylnaphthalene	0.55	P1,P2	mg/kg	0.11	0.019	SW846 8270E	1	06/17/2024 06:41	S7M	A
2-Methylnaphthalene	0.60	P1,P2	mg/kg	0.11	0.019	SW846 8270E	1	06/17/2024 06:41	S7M	A
Acenaphthene	0.019U	U,P1,P2	mg/kg	0.056	0.019	SW846 8270E	1	06/17/2024 06:41	S7M	A
Acenaphthylene	0.019U	U,9,P1,P2	mg/kg	0.056	0.019	SW846 8270E	1	06/17/2024 06:41	S7M	A
Anthracene	0.019U	U,P1,P2	mg/kg	0.056	0.019	SW846 8270E	1	06/17/2024 06:41	S7M	A
Benzo(a)anthracene	0.026J	J,P1,P2	mg/kg	0.056	0.019	SW846 8270E	1	06/17/2024 06:41	S7M	A
Benzo(a)pyrene	0.020J	J,P1,P2	mg/kg	0.056	0.019	SW846 8270E	1	06/17/2024 06:41	S7M	A
Benzo(b)fluoranthene	0.052J	J,P1,P2	mg/kg	0.056	0.019	SW846 8270E	1	06/17/2024 06:41	S7M	A
Benzo(g,h,i)perylene	0.036J	J,P1,P2	mg/kg	0.056	0.019	SW846 8270E	1	06/17/2024 06:41	S7M	A
Benzo(k)fluoranthene	0.019J	J,P1,P2	mg/kg	0.056	0.019	SW846 8270E	1	06/17/2024 06:41	S7M	A
Carbazole	0.019U	U,P1,P2	mg/kg	0.11	0.019	SW846 8270E	1	06/17/2024 06:41	S7M	A
Chrysene	0.050J	J,P1,P2	mg/kg	0.056	0.019	SW846 8270E	1	06/17/2024 06:41	S7M	A
Dibenzo(a,h)anthracene	0.019U	U,P1,P2	mg/kg	0.056	0.019	SW846 8270E	1	06/17/2024 06:41	S7M	A
Dibenzofuran	0.070J	J,P1,P2	mg/kg	0.11	0.019	SW846 8270E	1	06/17/2024 06:41	S7M	A
Fluoranthene	0.045J	J,P1,P2	mg/kg	0.056	0.019	SW846 8270E	1	06/17/2024 06:41	S7M	A
Fluorene	0.023J	J,P1,P2	mg/kg	0.056	0.019	SW846 8270E	1	06/17/2024 06:41	S7M	A
Indeno(1,2,3-cd)pyrene	0.019U	U,P1,P2	mg/kg	0.056	0.019	SW846 8270E	1	06/17/2024 06:41	S7M	A
Naphthalene	0.84	P1,P2	mg/kg	0.056	0.019	SW846 8270E	1	06/17/2024 06:41	S7M	A
Phenanthrene	0.26	P1,P2	mg/kg	0.056	0.019	SW846 8270E	1	06/17/2024 06:41	S7M	A
Pyrene	0.055J	J,P1,P2	mg/kg	0.056	0.019	SW846 8270E	1	06/17/2024 06:41	S7M	A

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
2,4,6-Tribromophenol	118-79-6	63.7%	19 - 132	06/17/2024 06:41	
2-Fluorobiphenyl	321-60-8	69.8%	40 - 110	06/17/2024 06:41	
2-Fluorophenol	367-12-4	66.8%	26 - 116	06/17/2024 06:41	
Nitrobenzene-d5	4165-60-0	76.9%	38 - 112	06/17/2024 06:41	
Phenol-d5	4165-62-2	72.8%	35 - 111	06/17/2024 06:41	
Terphenyl-d14	98904-43-9	84%	45 - 126	06/17/2024 06:41	

### VOLATILE ORGANICS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1-Trichloroethane	0.00071U	U,P1,P2	mg/kg	0.0023	0.00071	SW846 8260D	1	06/12/2024 19:32	TMP	A2

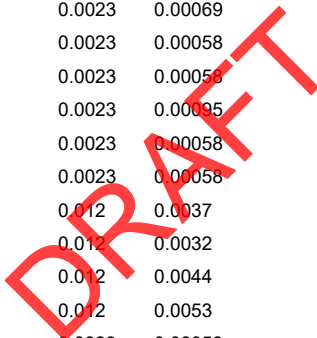


**Results**

Client Sample ID SB-15 (6-8) Collected 06/03/2024 15:20  
 Lab Sample ID 3363483011 Lab Receipt 06/08/2024 08:37

**VOLATILE ORGANICS (cont.)**

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,2,2-Tetrachloroethane	0.00064U	U,P1,P2	mg/kg	0.0023	0.00064	SW846 8260D	1	06/12/2024 19:32	TMP	A2
1,1,2-Trichloroethane	0.00064U	U,P1,P2	mg/kg	0.0023	0.00064	SW846 8260D	1	06/12/2024 19:32	TMP	A2
1,1-Dichloroethane	0.00058U	U,P1,P2	mg/kg	0.0023	0.00058	SW846 8260D	1	06/12/2024 19:32	TMP	A2
1,1-Dichloroethene	0.00060U	U,P1,P2	mg/kg	0.0023	0.00060	SW846 8260D	1	06/12/2024 19:32	TMP	A2
1,1-Dichloropropene	0.00058U	U,P1,P2	mg/kg	0.0023	0.00058	SW846 8260D	1	06/12/2024 19:32	TMP	A2
1,2,3-Trichlorobenzene	0.00058U	U,P1,P2	mg/kg	0.0058	0.00058	SW846 8260D	1	06/12/2024 19:32	TMP	A2
1,2,3-Trichloropropane	0.00058U	U,P1,P2	mg/kg	0.0023	0.00058	SW846 8260D	1	06/12/2024 19:32	TMP	A2
1,2,4-Trichlorobenzene	0.00058U	U,P1,P2	mg/kg	0.0058	0.00058	SW846 8260D	1	06/12/2024 19:32	TMP	A2
1,2,4-Trimethylbenzene	0.0048	P1,P2	mg/kg	0.0023	0.00058	SW846 8260D	1	06/12/2024 19:32	TMP	A2
1,2-Dibromo-3-chloropropane	0.00029U	U,P1,P2	mg/kg	0.0023	0.00029	SW846 8260D	1	06/12/2024 19:32	TMP	A2
1,2-Dibromoethane	0.00062U	U,P1,P2	mg/kg	0.0023	0.00062	SW846 8260D	1	06/12/2024 19:32	TMP	A2
1,2-Dichlorobenzene	0.00058U	U,P1,P2	mg/kg	0.0023	0.00058	SW846 8260D	1	06/12/2024 19:32	TMP	A2
1,2-Dichloroethane	0.00058U	U,P1,P2	mg/kg	0.0023	0.00058	SW846 8260D	1	06/12/2024 19:32	TMP	A2
1,2-Dichloropropane	0.00069U	U,P1,P2	mg/kg	0.0023	0.00069	SW846 8260D	1	06/12/2024 19:32	TMP	A2
1,3,5-Trimethylbenzene	0.0041	P1,P2	mg/kg	0.0023	0.00058	SW846 8260D	1	06/12/2024 19:32	TMP	A2
1,3-Dichlorobenzene	0.00058U	U,P1,P2	mg/kg	0.0023	0.00058	SW846 8260D	1	06/12/2024 19:32	TMP	A2
1,3-Dichloropropane	0.00095U	U,P1,P2	mg/kg	0.0023	0.00095	SW846 8260D	1	06/12/2024 19:32	TMP	A2
1,4-Dichlorobenzene	0.00058U	U,P1,P2	mg/kg	0.0023	0.00058	SW846 8260D	1	06/12/2024 19:32	TMP	A2
2,2-Dichloropropane	0.00058U	U,P1,P2	mg/kg	0.0023	0.00058	SW846 8260D	1	06/12/2024 19:32	TMP	A2
2-Butanone	0.0037U	U,P1,P2	mg/kg	0.012	0.0037	SW846 8260D	1	06/12/2024 19:32	TMP	A2
2-Hexanone	0.0032U	U,P1,P2	mg/kg	0.012	0.0032	SW846 8260D	1	06/12/2024 19:32	TMP	A2
4-Methyl-2-Pentanone(MIBK)	0.0044U	U,P1,P2	mg/kg	0.012	0.0044	SW846 8260D	1	06/12/2024 19:32	TMP	A2
Acetone	0.016	P1,P2	mg/kg	0.012	0.0053	SW846 8260D	1	06/12/2024 19:32	TMP	A2
Benzene	0.011	P1,P2	mg/kg	0.0023	0.00058	SW846 8260D	1	06/12/2024 19:32	TMP	A2
Bromobenzene	0.00058U	U,P1,P2	mg/kg	0.0023	0.00058	SW846 8260D	1	06/12/2024 19:32	TMP	A2
Bromochloromethane	0.00058U	U,P1,P2	mg/kg	0.0023	0.00058	SW846 8260D	1	06/12/2024 19:32	TMP	A2
Bromodichloromethane	0.00082U	U,P1,P2	mg/kg	0.0023	0.00082	SW846 8260D	1	06/12/2024 19:32	TMP	A2
Bromoform	0.00060U	U,P1,P2	mg/kg	0.0023	0.00060	SW846 8260D	1	06/12/2024 19:32	TMP	A2
Bromomethane	0.00060U	U,P1,P2	mg/kg	0.0023	0.00060	SW846 8260D	1	06/12/2024 19:32	TMP	A2
Carbon Disulfide	0.00072U	U,P1,P2	mg/kg	0.0023	0.00072	SW846 8260D	1	06/12/2024 19:32	TMP	A2
Carbon Tetrachloride	0.00059U	U,P1,P2	mg/kg	0.0023	0.00059	SW846 8260D	1	06/12/2024 19:32	TMP	A2
Chlorobenzene	0.00059U	U,P1,P2	mg/kg	0.0023	0.00059	SW846 8260D	1	06/12/2024 19:32	TMP	A2
Chlorodibromomethane	0.00078U	U,P1,P2	mg/kg	0.0023	0.00078	SW846 8260D	1	06/12/2024 19:32	TMP	A2
Chloroethane	0.00098U	U,P1,P2	mg/kg	0.0058	0.00098	SW846 8260D	1	06/12/2024 19:32	TMP	A2
Chloroform	0.00061U	U,P1,P2	mg/kg	0.0023	0.00061	SW846 8260D	1	06/12/2024 19:32	TMP	A2
Chloromethane	0.00063U	U,P1,P2	mg/kg	0.0023	0.00063	SW846 8260D	1	06/12/2024 19:32	TMP	A2
cis-1,2-Dichloroethene	0.00058U	U,P1,P2	mg/kg	0.0023	0.00058	SW846 8260D	1	06/12/2024 19:32	TMP	A2
cis-1,3-Dichloropropene	0.00063U	U,P1,P2	mg/kg	0.0023	0.00063	SW846 8260D	1	06/12/2024 19:32	TMP	A2
Dibromomethane	0.00083U	U,P1,P2	mg/kg	0.0023	0.00083	SW846 8260D	1	06/12/2024 19:32	TMP	A2
Dichlorodifluoromethane	0.00077U	U,P1,P2	mg/kg	0.0023	0.00077	SW846 8260D	1	06/12/2024 19:32	TMP	A2
Ethylbenzene	0.0042	P1,P2	mg/kg	0.0023	0.00078	SW846 8260D	1	06/12/2024 19:32	TMP	A2
Freon 113	0.00058U	U,7,8,P1,P2	mg/kg	0.0023	0.00058	SW846 8260D	1	06/12/2024 19:32	TMP	A2
Hexachlorobutadiene	0.00058U	U,P1,P2	mg/kg	0.0058	0.00058	SW846 8260D	1	06/12/2024 19:32	TMP	A2
Isopropylbenzene	0.0062	P1,P2	mg/kg	0.0023	0.00070	SW846 8260D	1	06/12/2024 19:32	TMP	A2
Methyl t-Butyl Ether	0.00058U	U,P1,P2	mg/kg	0.0023	0.00058	SW846 8260D	1	06/12/2024 19:32	TMP	A2
Methylene Chloride	0.0014J	J,P1,P2	mg/kg	0.0023	0.00090	SW846 8260D	1	06/12/2024 19:32	TMP	A2
mp-Xylene	0.0033J	J,P1,P2	mg/kg	0.0046	0.00095	SW846 8260D	1	06/12/2024 19:32	TMP	A2





**Results**

Client Sample ID	SB-15 (6-8)	Collected	06/03/2024 15:20
Lab Sample ID	3363483011	Lab Receipt	06/08/2024 08:37

**VOLATILE ORGANICS (cont.)**

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Naphthalene	0.010	P1,P2	mg/kg	0.0023	0.00058	SW846 8260D	1	06/12/2024 19:32	TMP	A2
n-Butylbenzene	0.0025	P1,P2	mg/kg	0.0023	0.00058	SW846 8260D	1	06/12/2024 19:32	TMP	A2
n-Propylbenzene	0.0045	P1,P2	mg/kg	0.0023	0.00058	SW846 8260D	1	06/12/2024 19:32	TMP	A2
o-Chlorotoluene	0.00058U	U,P1,P2	mg/kg	0.0023	0.00058	SW846 8260D	1	06/12/2024 19:32	TMP	A2
o-Xylene	0.0024	P1,P2	mg/kg	0.0023	0.00067	SW846 8260D	1	06/12/2024 19:32	TMP	A2
p-Chlorotoluene	0.00058U	U,P1,P2	mg/kg	0.0023	0.00058	SW846 8260D	1	06/12/2024 19:32	TMP	A2
p-Isopropyltoluene	0.00058U	U,P1,P2	mg/kg	0.0023	0.00058	SW846 8260D	1	06/12/2024 19:32	TMP	A2
sec-Butylbenzene	0.0017J	J,P1,P2	mg/kg	0.0023	0.00058	SW846 8260D	1	06/12/2024 19:32	TMP	A2
Styrene	0.00058U	U,P1,P2	mg/kg	0.0023	0.00058	SW846 8260D	1	06/12/2024 19:32	TMP	A2
tert-Butylbenzene	0.0010J	J,P1,P2	mg/kg	0.0023	0.00063	SW846 8260D	1	06/12/2024 19:32	TMP	A2
Tetrachloroethene	0.00069U	U,P1,P2	mg/kg	0.0023	0.00069	SW846 8260D	1	06/12/2024 19:32	TMP	A2
Toluene	0.0011J	J,P1,P2	mg/kg	0.0023	0.00077	SW846 8260D	1	06/12/2024 19:32	TMP	A2
Total Xylenes	0.0057J	J,P1,P2	mg/kg	0.0069	0.0016	SW846 8260D	1	06/12/2024 19:32	TMP	A2
trans-1,2-Dichloroethene	0.00060U	U,P1,P2	mg/kg	0.0023	0.00060	SW846 8260D	1	06/12/2024 19:32	TMP	A2
trans-1,3-Dichloropropene	0.00067U	U,P1,P2	mg/kg	0.0023	0.00067	SW846 8260D	1	06/12/2024 19:32	TMP	A2
Trichloroethene	0.00058U	U,P1,P2	mg/kg	0.0023	0.00058	SW846 8260D	1	06/12/2024 19:32	TMP	A2
Trichlorofluoromethane	0.00058U	U,P1,P2	mg/kg	0.0023	0.00058	SW846 8260D	1	06/12/2024 19:32	TMP	A2
Vinyl Chloride	0.00058U	U,P1,P2	mg/kg	0.0023	0.00058	SW846 8260D	1	06/12/2024 19:32	TMP	A2

**SURROGATES**

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	105%	56 - 124	06/12/2024 19:32	
4-Bromofluorobenzene	460-00-4	102%	51 - 128	06/12/2024 19:32	
Dibromofluoromethane	1868-53-7	92.8%	62 - 123	06/12/2024 19:32	
Toluene-d8	2037-26-5	101%	59 - 131	06/12/2024 19:32	

**WET CHEMISTRY**

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Moisture	12.0	P1,P2	%	0.1	0.01	S2540G-11	1	06/11/2024 14:37	J1K	A
Total Solids	88.0	1,P1,P2	%	0.1	0.01	S2540G-11	1	06/11/2024 14:37	J1K	A



## Results

Client Sample ID	SB-15 (16-18)	Collected	06/03/2024 15:20
Lab Sample ID	3363483012	Lab Receipt	06/08/2024 08:37

### GASOLINE RANGE ORGANICS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Gasoline Range Organics	2.0J	J,P1,P2	mg/kg	11.1	1.9	SW846 8015D	100	06/14/2024 17:21	JTH	A1

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
a,a,a-Trifluorotoluene	98-08-8	104%	72 - 134	06/14/2024 17:21	

### PETROLEUM HC's

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Diesel Range Organics C10-C28	65.8	P1,P2	mg/kg	11.6	3.2	SW846 8015D	1	06/15/2024 08:20	KJH	A

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
o-Terphenyl	84-15-1	88.5%	36 - 122	06/15/2024 08:20	

### SEMIVOLATILE SIM

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,4-Dioxane	0.0027U	U,P1,P2	mg/kg	0.0053	0.0027	SW846 8270E SIM	1	06/18/2024 11:03	S7M	A
1-Methylnaphthalene	0.086	P1,P2	mg/kg	0.0053	0.00096	SW846 8270E SIM	1	06/18/2024 11:03	S7M	A
2-Methylnaphthalene	0.060	P1,P2	mg/kg	0.0053	0.0014	SW846 8270E SIM	1	06/18/2024 11:03	S7M	A
Acenaphthene	0.00096U	U,P1,P2	mg/kg	0.0053	0.00096	SW846 8270E SIM	1	06/18/2024 11:03	S7M	A
Acenaphthylene	0.00096U	U,P1,P2	mg/kg	0.0053	0.00096	SW846 8270E SIM	1	06/18/2024 11:03	S7M	A
Anthracene	0.0055	P1,P2	mg/kg	0.0053	0.00085	SW846 8270E SIM	1	06/18/2024 11:03	S7M	A
Benzo(a)anthracene	0.0097	P1,P2	mg/kg	0.0053	0.00085	SW846 8270E SIM	1	06/18/2024 11:03	S7M	A
Benzo(a)pyrene	0.014	P1,P2	mg/kg	0.0053	0.00085	SW846 8270E SIM	1	06/18/2024 11:03	S7M	A
Benzo(b)fluoranthene	0.023	P1,P2	mg/kg	0.0053	0.00085	SW846 8270E SIM	1	06/18/2024 11:03	S7M	A
Benzo(g,h,i)perylene	0.044	P1,P2	mg/kg	0.0053	0.0011	SW846 8270E SIM	1	06/18/2024 11:03	S7M	A
Benzo(k)fluoranthene	0.011	P1,P2	mg/kg	0.0053	0.00096	SW846 8270E SIM	1	06/18/2024 11:03	S7M	A
Chrysene	0.026	P1,P2	mg/kg	0.0053	0.00096	SW846 8270E SIM	1	06/18/2024 11:03	S7M	A
Dibenzo(a,h)anthracene	0.0053J	J,P1,P2	mg/kg	0.0053	0.00075	SW846 8270E SIM	1	06/18/2024 11:03	S7M	A
Fluoranthene	0.019	P1,P2	mg/kg	0.0053	0.00096	SW846 8270E SIM	1	06/18/2024 11:03	S7M	A
Fluorene	0.020	P1,P2	mg/kg	0.0053	0.0011	SW846 8270E SIM	1	06/18/2024 11:03	S7M	A
Indeno(1,2,3-cd)pyrene	0.011	P1,P2	mg/kg	0.0053	0.00085	SW846 8270E SIM	1	06/18/2024 11:03	S7M	A
Naphthalene	0.025	P1,P2	mg/kg	0.0053	0.0012	SW846 8270E SIM	1	06/18/2024 11:03	S7M	A
Phenanthrene	0.11	P1,P2	mg/kg	0.0053	0.0012	SW846 8270E SIM	1	06/18/2024 11:03	S7M	A





## Results

Client Sample ID	SB-15 (16-18)	Collected	06/03/2024 15:20
Lab Sample ID	3363483012	Lab Receipt	06/08/2024 08:37

### SEMIVOLATILE SIM (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Pyrene	0.027	P1,P2	mg/kg	0.0053	0.00085	SW846 8270E SIM	1	06/18/2024 11:03	S7M	A

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
2-Methylnaphthalene-d10	7297-45-2	79.7%	50 - 150	06/18/2024 11:03	
Fluoranthene-d10	93951-69-0	85.3%	50 - 150	06/18/2024 11:03	

### SEMIVOLATILES

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1-Methylnaphthalene	0.085J	J,P1,P2	mg/kg	0.11	0.018	SW846 8270E	1	06/17/2024 08:22	S7M	A
2-Methylnaphthalene	0.066J	J,P1,P2	mg/kg	0.11	0.018	SW846 8270E	1	06/17/2024 08:22	S7M	A
Acenaphthene	0.018U	U,P1,P2	mg/kg	0.053	0.018	SW846 8270E	1	06/17/2024 08:22	S7M	A
Acenaphthylene	0.018U	U,9,P1,P2	mg/kg	0.053	0.018	SW846 8270E	1	06/17/2024 08:22	S7M	A
Anthracene	0.018U	U,P1,P2	mg/kg	0.053	0.018	SW846 8270E	1	06/17/2024 08:22	S7M	A
Benzo(a)anthracene	0.018U	U,P1,P2	mg/kg	0.053	0.018	SW846 8270E	1	06/17/2024 08:22	S7M	A
Benzo(a)pyrene	0.018U	U,P1,P2	mg/kg	0.053	0.018	SW846 8270E	1	06/17/2024 08:22	S7M	A
Benzo(b)fluoranthene	0.028J	J,P1,P2	mg/kg	0.053	0.018	SW846 8270E	1	06/17/2024 08:22	S7M	A
Benzo(g,h,i)perylene	0.055	P1,P2	mg/kg	0.053	0.018	SW846 8270E	1	06/17/2024 08:22	S7M	A
Benzo(k)fluoranthene	0.018U	U,P1,P2	mg/kg	0.053	0.018	SW846 8270E	1	06/17/2024 08:22	S7M	A
Carbazole	0.018U	U,P1,P2	mg/kg	0.11	0.018	SW846 8270E	1	06/17/2024 08:22	S7M	A
Chrysene	0.018U	U,P1,P2	mg/kg	0.053	0.018	SW846 8270E	1	06/17/2024 08:22	S7M	A
Dibenzo(a,h)anthracene	0.018U	U,P1,P2	mg/kg	0.053	0.018	SW846 8270E	1	06/17/2024 08:22	S7M	A
Dibenzofuran	0.042J	J,P1,P2	mg/kg	0.11	0.018	SW846 8270E	1	06/17/2024 08:22	S7M	A
Fluoranthene	0.025J	J,P1,P2	mg/kg	0.053	0.018	SW846 8270E	1	06/17/2024 08:22	S7M	A
Fluorene	0.018U	U,P1,P2	mg/kg	0.053	0.018	SW846 8270E	1	06/17/2024 08:22	S7M	A
Indeno(1,2,3-cd)pyrene	0.018U	U,P1,P2	mg/kg	0.053	0.018	SW846 8270E	1	06/17/2024 08:22	S7M	A
Naphthalene	0.025J	J,P1,P2	mg/kg	0.053	0.018	SW846 8270E	1	06/17/2024 08:22	S7M	A
Phenanthrene	0.11	P1,P2	mg/kg	0.053	0.018	SW846 8270E	1	06/17/2024 08:22	S7M	A
Pyrene	0.029J	J,P1,P2	mg/kg	0.053	0.018	SW846 8270E	1	06/17/2024 08:22	S7M	A

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
2,4,6-Tribromophenol	118-79-6	67.5%	19 - 132	06/17/2024 08:22	
2-Fluorobiphenyl	321-60-8	72.6%	40 - 110	06/17/2024 08:22	
2-Fluorophenol	367-12-4	68.2%	26 - 116	06/17/2024 08:22	
Nitrobenzene-d5	4165-60-0	73.4%	38 - 112	06/17/2024 08:22	
Phenol-d5	4165-62-2	74%	35 - 111	06/17/2024 08:22	
Terphenyl-d14	98904-43-9	84.7%	45 - 126	06/17/2024 08:22	

### VOLATILE ORGANICS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1-Trichloroethane	0.00077U	U,P1,P2	mg/kg	0.0025	0.00077	SW846 8260D	1	06/12/2024 19:57	TMP	A2

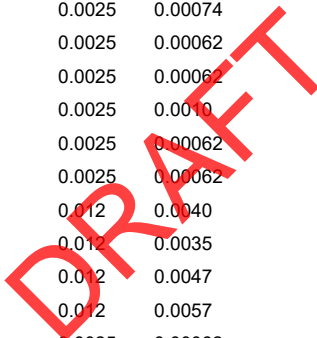


**Results**

Client Sample ID SB-15 (16-18) Collected 06/03/2024 15:20  
 Lab Sample ID 3363483012 Lab Receipt 06/08/2024 08:37

**VOLATILE ORGANICS (cont.)**

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,2,2-Tetrachloroethane	0.00069U	U,P1,P2	mg/kg	0.0025	0.00069	SW846 8260D	1	06/12/2024 19:57	TMP	A2
1,1,2-Trichloroethane	0.00069U	U,P1,P2	mg/kg	0.0025	0.00069	SW846 8260D	1	06/12/2024 19:57	TMP	A2
1,1-Dichloroethane	0.00062U	U,P1,P2	mg/kg	0.0025	0.00062	SW846 8260D	1	06/12/2024 19:57	TMP	A2
1,1-Dichloroethene	0.00064U	U,P1,P2	mg/kg	0.0025	0.00064	SW846 8260D	1	06/12/2024 19:57	TMP	A2
1,1-Dichloropropene	0.00062U	U,P1,P2	mg/kg	0.0025	0.00062	SW846 8260D	1	06/12/2024 19:57	TMP	A2
1,2,3-Trichlorobenzene	0.00062U	U,P1,P2	mg/kg	0.0062	0.00062	SW846 8260D	1	06/12/2024 19:57	TMP	A2
1,2,3-Trichloropropane	0.00062U	U,P1,P2	mg/kg	0.0025	0.00062	SW846 8260D	1	06/12/2024 19:57	TMP	A2
1,2,4-Trichlorobenzene	0.00062U	U,P1,P2	mg/kg	0.0062	0.00062	SW846 8260D	1	06/12/2024 19:57	TMP	A2
1,2,4-Trimethylbenzene	0.00062U	U,P1,P2	mg/kg	0.0025	0.00062	SW846 8260D	1	06/12/2024 19:57	TMP	A2
1,2-Dibromo-3-chloropropane	0.00031U	U,P1,P2	mg/kg	0.0025	0.00031	SW846 8260D	1	06/12/2024 19:57	TMP	A2
1,2-Dibromoethane	0.00067U	U,P1,P2	mg/kg	0.0025	0.00067	SW846 8260D	1	06/12/2024 19:57	TMP	A2
1,2-Dichlorobenzene	0.00062U	U,P1,P2	mg/kg	0.0025	0.00062	SW846 8260D	1	06/12/2024 19:57	TMP	A2
1,2-Dichloroethane	0.00062U	U,P1,P2	mg/kg	0.0025	0.00062	SW846 8260D	1	06/12/2024 19:57	TMP	A2
1,2-Dichloropropane	0.00074U	U,P1,P2	mg/kg	0.0025	0.00074	SW846 8260D	1	06/12/2024 19:57	TMP	A2
1,3,5-Trimethylbenzene	0.00062U	U,P1,P2	mg/kg	0.0025	0.00062	SW846 8260D	1	06/12/2024 19:57	TMP	A2
1,3-Dichlorobenzene	0.00062U	U,P1,P2	mg/kg	0.0025	0.00062	SW846 8260D	1	06/12/2024 19:57	TMP	A2
1,3-Dichloropropane	0.0010U	U,P1,P2	mg/kg	0.0025	0.0010	SW846 8260D	1	06/12/2024 19:57	TMP	A2
1,4-Dichlorobenzene	0.00062U	U,P1,P2	mg/kg	0.0025	0.00062	SW846 8260D	1	06/12/2024 19:57	TMP	A2
2,2-Dichloropropane	0.00062U	U,P1,P2	mg/kg	0.0025	0.00062	SW846 8260D	1	06/12/2024 19:57	TMP	A2
2-Butanone	0.0040U	U,P1,P2	mg/kg	0.012	0.0040	SW846 8260D	1	06/12/2024 19:57	TMP	A2
2-Hexanone	0.0035U	U,P1,P2	mg/kg	0.012	0.0035	SW846 8260D	1	06/12/2024 19:57	TMP	A2
4-Methyl-2-Pentanone(MIBK)	0.0047U	U,P1,P2	mg/kg	0.012	0.0047	SW846 8260D	1	06/12/2024 19:57	TMP	A2
Acetone	0.0057U	U,P1,P2	mg/kg	0.012	0.0057	SW846 8260D	1	06/12/2024 19:57	TMP	A2
Benzene	0.00062U	U,P1,P2	mg/kg	0.0025	0.00062	SW846 8260D	1	06/12/2024 19:57	TMP	A2
Bromobenzene	0.00062U	U,P1,P2	mg/kg	0.0025	0.00062	SW846 8260D	1	06/12/2024 19:57	TMP	A2
Bromochloromethane	0.00062U	U,P1,P2	mg/kg	0.0025	0.00062	SW846 8260D	1	06/12/2024 19:57	TMP	A2
Bromodichloromethane	0.00088U	U,P1,P2	mg/kg	0.0025	0.00088	SW846 8260D	1	06/12/2024 19:57	TMP	A2
Bromoform	0.00064U	U,P1,P2	mg/kg	0.0025	0.00064	SW846 8260D	1	06/12/2024 19:57	TMP	A2
Bromomethane	0.00064U	U,P1,P2	mg/kg	0.0025	0.00064	SW846 8260D	1	06/12/2024 19:57	TMP	A2
Carbon Disulfide	0.00078U	U,P1,P2	mg/kg	0.0025	0.00078	SW846 8260D	1	06/12/2024 19:57	TMP	A2
Carbon Tetrachloride	0.00063U	U,P1,P2	mg/kg	0.0025	0.00063	SW846 8260D	1	06/12/2024 19:57	TMP	A2
Chlorobenzene	0.00063U	U,P1,P2	mg/kg	0.0025	0.00063	SW846 8260D	1	06/12/2024 19:57	TMP	A2
Chlorodibromomethane	0.00084U	U,P1,P2	mg/kg	0.0025	0.00084	SW846 8260D	1	06/12/2024 19:57	TMP	A2
Chloroethane	0.0011U	U,P1,P2	mg/kg	0.0062	0.0011	SW846 8260D	1	06/12/2024 19:57	TMP	A2
Chloroform	0.00066U	U,P1,P2	mg/kg	0.0025	0.00066	SW846 8260D	1	06/12/2024 19:57	TMP	A2
Chloromethane	0.00068U	U,P1,P2	mg/kg	0.0025	0.00068	SW846 8260D	1	06/12/2024 19:57	TMP	A2
cis-1,2-Dichloroethene	0.00062U	U,P1,P2	mg/kg	0.0025	0.00062	SW846 8260D	1	06/12/2024 19:57	TMP	A2
cis-1,3-Dichloropropene	0.00068U	U,P1,P2	mg/kg	0.0025	0.00068	SW846 8260D	1	06/12/2024 19:57	TMP	A2
Dibromomethane	0.00089U	U,P1,P2	mg/kg	0.0025	0.00089	SW846 8260D	1	06/12/2024 19:57	TMP	A2
Dichlorodifluoromethane	0.00083U	U,P1,P2	mg/kg	0.0025	0.00083	SW846 8260D	1	06/12/2024 19:57	TMP	A2
Ethylbenzene	0.00084U	U,P1,P2	mg/kg	0.0025	0.00084	SW846 8260D	1	06/12/2024 19:57	TMP	A2
Freon 113	0.00062U	U,7,8,P1,P2	mg/kg	0.0025	0.00062	SW846 8260D	1	06/12/2024 19:57	TMP	A2
Hexachlorobutadiene	0.00062U	U,P1,P2	mg/kg	0.0062	0.00062	SW846 8260D	1	06/12/2024 19:57	TMP	A2
Isopropylbenzene	0.00075U	U,P1,P2	mg/kg	0.0025	0.00075	SW846 8260D	1	06/12/2024 19:57	TMP	A2
Methyl t-Butyl Ether	0.00062U	U,P1,P2	mg/kg	0.0025	0.00062	SW846 8260D	1	06/12/2024 19:57	TMP	A2
Methylene Chloride	0.0014J	J,P1,P2	mg/kg	0.0025	0.00096	SW846 8260D	1	06/12/2024 19:57	TMP	A2
mp-Xylene	0.0010U	U,P1,P2	mg/kg	0.0049	0.0010	SW846 8260D	1	06/12/2024 19:57	TMP	A2





**Results**

Client Sample ID	SB-15 (16-18)	Collected	06/03/2024 15:20
Lab Sample ID	3363483012	Lab Receipt	06/08/2024 08:37

**VOLATILE ORGANICS (cont.)**

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Naphthalene	0.00062U	U,P1,P2	mg/kg	0.0025	0.00062	SW846 8260D	1	06/12/2024 19:57	TMP	A2
n-Butylbenzene	0.00062U	U,P1,P2	mg/kg	0.0025	0.00062	SW846 8260D	1	06/12/2024 19:57	TMP	A2
n-Propylbenzene	0.00062U	U,P1,P2	mg/kg	0.0025	0.00062	SW846 8260D	1	06/12/2024 19:57	TMP	A2
o-Chlorotoluene	0.00062U	U,P1,P2	mg/kg	0.0025	0.00062	SW846 8260D	1	06/12/2024 19:57	TMP	A2
o-Xylene	0.00072U	U,P1,P2	mg/kg	0.0025	0.00072	SW846 8260D	1	06/12/2024 19:57	TMP	A2
p-Chlorotoluene	0.00062U	U,P1,P2	mg/kg	0.0025	0.00062	SW846 8260D	1	06/12/2024 19:57	TMP	A2
p-Isopropyltoluene	0.00062U	U,P1,P2	mg/kg	0.0025	0.00062	SW846 8260D	1	06/12/2024 19:57	TMP	A2
sec-Butylbenzene	0.00062U	U,P1,P2	mg/kg	0.0025	0.00062	SW846 8260D	1	06/12/2024 19:57	TMP	A2
Styrene	0.00062U	U,P1,P2	mg/kg	0.0025	0.00062	SW846 8260D	1	06/12/2024 19:57	TMP	A2
tert-Butylbenzene	0.00068U	U,P1,P2	mg/kg	0.0025	0.00068	SW846 8260D	1	06/12/2024 19:57	TMP	A2
Tetrachloroethene	0.00074U	U,P1,P2	mg/kg	0.0025	0.00074	SW846 8260D	1	06/12/2024 19:57	TMP	A2
Toluene	0.00083U	U,P1,P2	mg/kg	0.0025	0.00083	SW846 8260D	1	06/12/2024 19:57	TMP	A2
Total Xylenes	0.0017U	U,P1,P2	mg/kg	0.0074	0.0017	SW846 8260D	1	06/12/2024 19:57	TMP	A2
trans-1,2-Dichloroethene	0.00064U	U,P1,P2	mg/kg	0.0025	0.00064	SW846 8260D	1	06/12/2024 19:57	TMP	A2
trans-1,3-Dichloropropene	0.00072U	U,P1,P2	mg/kg	0.0025	0.00072	SW846 8260D	1	06/12/2024 19:57	TMP	A2
Trichloroethene	0.00062U	U,P1,P2	mg/kg	0.0025	0.00062	SW846 8260D	1	06/12/2024 19:57	TMP	A2
Trichlorofluoromethane	0.00062U	U,P1,P2	mg/kg	0.0025	0.00062	SW846 8260D	1	06/12/2024 19:57	TMP	A2
Vinyl Chloride	0.00062U	U,P1,P2	mg/kg	0.0025	0.00062	SW846 8260D	1	06/12/2024 19:57	TMP	A2

**SURROGATES**

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	105%	56 - 124	06/12/2024 19:57	
4-Bromofluorobenzene	460-00-4	106%	51 - 128	06/12/2024 19:57	
Dibromofluoromethane	1868-53-7	94.6%	62 - 123	06/12/2024 19:57	
Toluene-d8	2037-26-5	104%	59 - 131	06/12/2024 19:57	

**WET CHEMISTRY**

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Moisture	13.1	P1,P2	%	0.1	0.01	S2540G-11	1	06/11/2024 14:37	J1K	A
Total Solids	86.9	1,P1,P2	%	0.1	0.01	S2540G-11	1	06/11/2024 14:37	J1K	A



## Results

Client Sample ID	MW-05 (4-6)	Collected	06/03/2024 16:05
Lab Sample ID	3363483013	Lab Receipt	06/08/2024 08:37

### GASOLINE RANGE ORGANICS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Gasoline Range Organics	1.9U	U,P1,P2	mg/kg	11.3	1.9	SW846 8015D	100	06/15/2024 00:49	JTH	A1

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
a,a,a-Trifluorotoluene	98-08-8	103%	72 - 134	06/15/2024 00:49	

### PETROLEUM HC's

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Diesel Range Organics C10-C28	12.7	P1,P2	mg/kg	12.5	3.4	SW846 8015D	1	06/15/2024 08:52	KJH	A

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
o-Terphenyl	84-15-1	90.1%	36 - 122	06/15/2024 08:52	

### SEMIVOLATILE SIM

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,4-Dioxane	0.0030U	U,P1,P2	mg/kg	0.0060	0.0030	SW846 8270E SIM	1	06/18/2024 11:32	S7M	A
1-Methylnaphthalene	0.035	P1,P2	mg/kg	0.0060	0.0011	SW846 8270E SIM	1	06/18/2024 11:32	S7M	A
2-Methylnaphthalene	0.042	P1,P2	mg/kg	0.0060	0.0016	SW846 8270E SIM	1	06/18/2024 11:32	S7M	A
Acenaphthene	0.0011U	U,P1,P2	mg/kg	0.0060	0.0011	SW846 8270E SIM	1	06/18/2024 11:32	S7M	A
Acenaphthylene	0.0011U	U,P1,P2	mg/kg	0.0060	0.0011	SW846 8270E SIM	1	06/18/2024 11:32	S7M	A
Anthracene	0.00096U	U,P1,P2	mg/kg	0.0060	0.00096	SW846 8270E SIM	1	06/18/2024 11:32	S7M	A
Benzo(a)anthracene	0.00096U	U,P1,P2	mg/kg	0.0060	0.00096	SW846 8270E SIM	1	06/18/2024 11:32	S7M	A
Benzo(a)pyrene	0.00096U	U,P1,P2	mg/kg	0.0060	0.00096	SW846 8270E SIM	1	06/18/2024 11:32	S7M	A
Benzo(b)fluoranthene	0.0045J	J,P1,P2	mg/kg	0.0060	0.00096	SW846 8270E SIM	1	06/18/2024 11:32	S7M	A
Benzo(g,h,i)perylene	0.0038J	J,P1,P2	mg/kg	0.0060	0.0012	SW846 8270E SIM	1	06/18/2024 11:32	S7M	A
Benzo(k)fluoranthene	0.0011U	U,P1,P2	mg/kg	0.0060	0.0011	SW846 8270E SIM	1	06/18/2024 11:32	S7M	A
Chrysene	0.0051J	J,P1,P2	mg/kg	0.0060	0.0011	SW846 8270E SIM	1	06/18/2024 11:32	S7M	A
Dibenzo(a,h)anthracene	0.00084U	U,P1,P2	mg/kg	0.0060	0.00084	SW846 8270E SIM	1	06/18/2024 11:32	S7M	A
Fluoranthene	0.0055J	J,P1,P2	mg/kg	0.0060	0.0011	SW846 8270E SIM	1	06/18/2024 11:32	S7M	A
Fluorene	0.0012U	U,P1,P2	mg/kg	0.0060	0.0012	SW846 8270E SIM	1	06/18/2024 11:32	S7M	A
Indeno(1,2,3-cd)pyrene	0.00096U	U,P1,P2	mg/kg	0.0060	0.00096	SW846 8270E SIM	1	06/18/2024 11:32	S7M	A
Naphthalene	0.029	P1,P2	mg/kg	0.0060	0.0013	SW846 8270E SIM	1	06/18/2024 11:32	S7M	A
Phenanthrene	0.017	P1,P2	mg/kg	0.0060	0.0013	SW846 8270E SIM	1	06/18/2024 11:32	S7M	A



## Results

Client Sample ID	MW-05 (4-6)	Collected	06/03/2024 16:05
Lab Sample ID	3363483013	Lab Receipt	06/08/2024 08:37

### SEMIVOLATILE SIM (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Pyrene	0.0046J	J,P1,P2	mg/kg	0.0060	0.00096	SW846 8270E SIM	1	06/18/2024 11:32	S7M	A

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
2-Methylnaphthalene-d10	7297-45-2	82.3%	50 - 150	06/18/2024 11:32	
Fluoranthene-d10	93951-69-0	85.3%	50 - 150	06/18/2024 11:32	

### SEMIVOLATILES

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1-Methylnaphthalene	0.036J	J,P1,P2	mg/kg	0.12	0.020	SW846 8270E	1	06/17/2024 08:48	S7M	A
2-Methylnaphthalene	0.041J	J,P1,P2	mg/kg	0.12	0.020	SW846 8270E	1	06/17/2024 08:48	S7M	A
Acenaphthene	0.020U	U,P1,P2	mg/kg	0.060	0.020	SW846 8270E	1	06/17/2024 08:48	S7M	A
Acenaphthylene	0.020U	U,9,P1,P2	mg/kg	0.060	0.020	SW846 8270E	1	06/17/2024 08:48	S7M	A
Anthracene	0.020U	U,P1,P2	mg/kg	0.060	0.020	SW846 8270E	1	06/17/2024 08:48	S7M	A
Benzo(a)anthracene	0.020U	U,P1,P2	mg/kg	0.060	0.020	SW846 8270E	1	06/17/2024 08:48	S7M	A
Benzo(a)pyrene	0.020U	U,P1,P2	mg/kg	0.060	0.020	SW846 8270E	1	06/17/2024 08:48	S7M	A
Benzo(b)fluoranthene	0.020U	U,P1,P2	mg/kg	0.060	0.020	SW846 8270E	1	06/17/2024 08:48	S7M	A
Benzo(g,h,i)perylene	0.020U	U,P1,P2	mg/kg	0.060	0.020	SW846 8270E	1	06/17/2024 08:48	S7M	A
Benzo(k)fluoranthene	0.020U	U,P1,P2	mg/kg	0.060	0.020	SW846 8270E	1	06/17/2024 08:48	S7M	A
Carbazole	0.020U	U,P1,P2	mg/kg	0.12	0.020	SW846 8270E	1	06/17/2024 08:48	S7M	A
Chrysene	0.020U	U,P1,P2	mg/kg	0.060	0.020	SW846 8270E	1	06/17/2024 08:48	S7M	A
Dibenzo(a,h)anthracene	0.020U	U,P1,P2	mg/kg	0.060	0.020	SW846 8270E	1	06/17/2024 08:48	S7M	A
Dibenzofuran	0.020U	U,P1,P2	mg/kg	0.12	0.020	SW846 8270E	1	06/17/2024 08:48	S7M	A
Fluoranthene	0.020U	U,P1,P2	mg/kg	0.060	0.020	SW846 8270E	1	06/17/2024 08:48	S7M	A
Fluorene	0.020U	U,P1,P2	mg/kg	0.060	0.020	SW846 8270E	1	06/17/2024 08:48	S7M	A
Indeno(1,2,3-cd)pyrene	0.020U	U,P1,P2	mg/kg	0.060	0.020	SW846 8270E	1	06/17/2024 08:48	S7M	A
Naphthalene	0.030J	J,P1,P2	mg/kg	0.060	0.020	SW846 8270E	1	06/17/2024 08:48	S7M	A
Phenanthrene	0.020U	U,P1,P2	mg/kg	0.060	0.020	SW846 8270E	1	06/17/2024 08:48	S7M	A
Pyrene	0.020U	U,P1,P2	mg/kg	0.060	0.020	SW846 8270E	1	06/17/2024 08:48	S7M	A

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
2,4,6-Tribromophenol	118-79-6	73.1%	19 - 132	06/17/2024 08:48	
2-Fluorobiphenyl	321-60-8	74%	40 - 110	06/17/2024 08:48	
2-Fluorophenol	367-12-4	67.5%	26 - 116	06/17/2024 08:48	
Nitrobenzene-d5	4165-60-0	75.2%	38 - 112	06/17/2024 08:48	
Phenol-d5	4165-62-2	80%	35 - 111	06/17/2024 08:48	
Terphenyl-d14	98904-43-9	93.3%	45 - 126	06/17/2024 08:48	

### VOLATILE ORGANICS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1-Trichloroethane	0.00072U	U,P1,P2	mg/kg	0.0023	0.00072	SW846 8260D	1	06/12/2024 20:22	TMP	A2

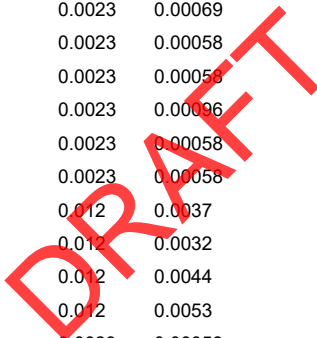


**Results**

Client Sample ID MW-05 (4-6) Collected 06/03/2024 16:05  
 Lab Sample ID 3363483013 Lab Receipt 06/08/2024 08:37

**VOLATILE ORGANICS (cont.)**

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,2,2-Tetrachloroethane	0.00065U	U,P1,P2	mg/kg	0.0023	0.00065	SW846 8260D	1	06/12/2024 20:22	TMP	A2
1,1,2-Trichloroethane	0.00065U	U,P1,P2	mg/kg	0.0023	0.00065	SW846 8260D	1	06/12/2024 20:22	TMP	A2
1,1-Dichloroethane	0.00058U	U,P1,P2	mg/kg	0.0023	0.00058	SW846 8260D	1	06/12/2024 20:22	TMP	A2
1,1-Dichloroethene	0.00060U	U,P1,P2	mg/kg	0.0023	0.00060	SW846 8260D	1	06/12/2024 20:22	TMP	A2
1,1-Dichloropropene	0.00058U	U,P1,P2	mg/kg	0.0023	0.00058	SW846 8260D	1	06/12/2024 20:22	TMP	A2
1,2,3-Trichlorobenzene	0.00058U	U,P1,P2	mg/kg	0.0058	0.00058	SW846 8260D	1	06/12/2024 20:22	TMP	A2
1,2,3-Trichloropropane	0.00058U	U,P1,P2	mg/kg	0.0023	0.00058	SW846 8260D	1	06/12/2024 20:22	TMP	A2
1,2,4-Trichlorobenzene	0.00058U	U,P1,P2	mg/kg	0.0058	0.00058	SW846 8260D	1	06/12/2024 20:22	TMP	A2
1,2,4-Trimethylbenzene	0.00082J	J,P1,P2	mg/kg	0.0023	0.00058	SW846 8260D	1	06/12/2024 20:22	TMP	A2
1,2-Dibromo-3-chloropropane	0.00029U	U,P1,P2	mg/kg	0.0023	0.00029	SW846 8260D	1	06/12/2024 20:22	TMP	A2
1,2-Dibromoethane	0.00062U	U,P1,P2	mg/kg	0.0023	0.00062	SW846 8260D	1	06/12/2024 20:22	TMP	A2
1,2-Dichlorobenzene	0.00058U	U,P1,P2	mg/kg	0.0023	0.00058	SW846 8260D	1	06/12/2024 20:22	TMP	A2
1,2-Dichloroethane	0.00058U	U,P1,P2	mg/kg	0.0023	0.00058	SW846 8260D	1	06/12/2024 20:22	TMP	A2
1,2-Dichloropropane	0.00069U	U,P1,P2	mg/kg	0.0023	0.00069	SW846 8260D	1	06/12/2024 20:22	TMP	A2
1,3,5-Trimethylbenzene	0.00058U	U,P1,P2	mg/kg	0.0023	0.00058	SW846 8260D	1	06/12/2024 20:22	TMP	A2
1,3-Dichlorobenzene	0.00058U	U,P1,P2	mg/kg	0.0023	0.00058	SW846 8260D	1	06/12/2024 20:22	TMP	A2
1,3-Dichloropropane	0.00096U	U,P1,P2	mg/kg	0.0023	0.00096	SW846 8260D	1	06/12/2024 20:22	TMP	A2
1,4-Dichlorobenzene	0.00058U	U,P1,P2	mg/kg	0.0023	0.00058	SW846 8260D	1	06/12/2024 20:22	TMP	A2
2,2-Dichloropropane	0.00058U	U,P1,P2	mg/kg	0.0023	0.00058	SW846 8260D	1	06/12/2024 20:22	TMP	A2
2-Butanone	0.0048J	J,P1,P2	mg/kg	0.012	0.0037	SW846 8260D	1	06/12/2024 20:22	TMP	A2
2-Hexanone	0.0032U	U,P1,P2	mg/kg	0.012	0.0032	SW846 8260D	1	06/12/2024 20:22	TMP	A2
4-Methyl-2-Pentanone(MIBK)	0.0044U	U,P1,P2	mg/kg	0.012	0.0044	SW846 8260D	1	06/12/2024 20:22	TMP	A2
Acetone	0.046	P1,P2	mg/kg	0.012	0.0053	SW846 8260D	1	06/12/2024 20:22	TMP	A2
Benzene	0.00058U	U,P1,P2	mg/kg	0.0023	0.00058	SW846 8260D	1	06/12/2024 20:22	TMP	A2
Bromobenzene	0.00058U	U,P1,P2	mg/kg	0.0023	0.00058	SW846 8260D	1	06/12/2024 20:22	TMP	A2
Bromochloromethane	0.00058U	U,P1,P2	mg/kg	0.0023	0.00058	SW846 8260D	1	06/12/2024 20:22	TMP	A2
Bromodichloromethane	0.00082U	U,P1,P2	mg/kg	0.0023	0.00082	SW846 8260D	1	06/12/2024 20:22	TMP	A2
Bromoform	0.00060U	U,P1,P2	mg/kg	0.0023	0.00060	SW846 8260D	1	06/12/2024 20:22	TMP	A2
Bromomethane	0.00060U	U,P1,P2	mg/kg	0.0023	0.00060	SW846 8260D	1	06/12/2024 20:22	TMP	A2
Carbon Disulfide	0.00073U	U,P1,P2	mg/kg	0.0023	0.00073	SW846 8260D	1	06/12/2024 20:22	TMP	A2
Carbon Tetrachloride	0.00059U	U,P1,P2	mg/kg	0.0023	0.00059	SW846 8260D	1	06/12/2024 20:22	TMP	A2
Chlorobenzene	0.00059U	U,P1,P2	mg/kg	0.0023	0.00059	SW846 8260D	1	06/12/2024 20:22	TMP	A2
Chlorodibromomethane	0.00079U	U,P1,P2	mg/kg	0.0023	0.00079	SW846 8260D	1	06/12/2024 20:22	TMP	A2
Chloroethane	0.00098U	U,P1,P2	mg/kg	0.0058	0.00098	SW846 8260D	1	06/12/2024 20:22	TMP	A2
Chloroform	0.00061U	U,P1,P2	mg/kg	0.0023	0.00061	SW846 8260D	1	06/12/2024 20:22	TMP	A2
Chloromethane	0.00064U	U,P1,P2	mg/kg	0.0023	0.00064	SW846 8260D	1	06/12/2024 20:22	TMP	A2
cis-1,2-Dichloroethene	0.00058U	U,P1,P2	mg/kg	0.0023	0.00058	SW846 8260D	1	06/12/2024 20:22	TMP	A2
cis-1,3-Dichloropropene	0.00064U	U,P1,P2	mg/kg	0.0023	0.00064	SW846 8260D	1	06/12/2024 20:22	TMP	A2
Dibromomethane	0.00083U	U,P1,P2	mg/kg	0.0023	0.00083	SW846 8260D	1	06/12/2024 20:22	TMP	A2
Dichlorodifluoromethane	0.00077U	U,P1,P2	mg/kg	0.0023	0.00077	SW846 8260D	1	06/12/2024 20:22	TMP	A2
Ethylbenzene	0.00079U	U,P1,P2	mg/kg	0.0023	0.00079	SW846 8260D	1	06/12/2024 20:22	TMP	A2
Freon 113	0.00058U	U,7,8,P1,P2	mg/kg	0.0023	0.00058	SW846 8260D	1	06/12/2024 20:22	TMP	A2
Hexachlorobutadiene	0.00058U	U,P1,P2	mg/kg	0.0058	0.00058	SW846 8260D	1	06/12/2024 20:22	TMP	A2
Isopropylbenzene	0.00070U	U,P1,P2	mg/kg	0.0023	0.00070	SW846 8260D	1	06/12/2024 20:22	TMP	A2
Methyl t-Butyl Ether	0.00058U	U,P1,P2	mg/kg	0.0023	0.00058	SW846 8260D	1	06/12/2024 20:22	TMP	A2
Methylene Chloride	0.0019J	J,P1,P2	mg/kg	0.0023	0.00090	SW846 8260D	1	06/12/2024 20:22	TMP	A2
mp-Xylene	0.00096U	U,P1,P2	mg/kg	0.0046	0.00096	SW846 8260D	1	06/12/2024 20:22	TMP	A2







## Results

Client Sample ID	MW-05 (4-6)	Collected	06/03/2024 16:05
Lab Sample ID	3363483013	Lab Receipt	06/08/2024 08:37

### VOLATILE ORGANICS (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Naphthalene	0.00058U	U,P1,P2	mg/kg	0.0023	0.00058	SW846 8260D	1	06/12/2024 20:22	TMP	A2
n-Butylbenzene	0.00058U	U,P1,P2	mg/kg	0.0023	0.00058	SW846 8260D	1	06/12/2024 20:22	TMP	A2
n-Propylbenzene	0.00058U	U,P1,P2	mg/kg	0.0023	0.00058	SW846 8260D	1	06/12/2024 20:22	TMP	A2
o-Chlorotoluene	0.00058U	U,P1,P2	mg/kg	0.0023	0.00058	SW846 8260D	1	06/12/2024 20:22	TMP	A2
o-Xylene	0.00067U	U,P1,P2	mg/kg	0.0023	0.00067	SW846 8260D	1	06/12/2024 20:22	TMP	A2
p-Chlorotoluene	0.00058U	U,P1,P2	mg/kg	0.0023	0.00058	SW846 8260D	1	06/12/2024 20:22	TMP	A2
p-Isopropyltoluene	0.00058U	U,P1,P2	mg/kg	0.0023	0.00058	SW846 8260D	1	06/12/2024 20:22	TMP	A2
sec-Butylbenzene	0.00069J	J,P1,P2	mg/kg	0.0023	0.00058	SW846 8260D	1	06/12/2024 20:22	TMP	A2
Styrene	0.00058U	U,P1,P2	mg/kg	0.0023	0.00058	SW846 8260D	1	06/12/2024 20:22	TMP	A2
tert-Butylbenzene	0.00064U	U,P1,P2	mg/kg	0.0023	0.00064	SW846 8260D	1	06/12/2024 20:22	TMP	A2
Tetrachloroethene	0.00069U	U,P1,P2	mg/kg	0.0023	0.00069	SW846 8260D	1	06/12/2024 20:22	TMP	A2
Toluene	0.00077U	U,P1,P2	mg/kg	0.0023	0.00077	SW846 8260D	1	06/12/2024 20:22	TMP	A2
Total Xylenes	0.0016U	U,P1,P2	mg/kg	0.0069	0.0016	SW846 8260D	1	06/12/2024 20:22	TMP	A2
trans-1,2-Dichloroethene	0.00060U	U,P1,P2	mg/kg	0.0023	0.00060	SW846 8260D	1	06/12/2024 20:22	TMP	A2
trans-1,3-Dichloropropene	0.00067U	U,P1,P2	mg/kg	0.0023	0.00067	SW846 8260D	1	06/12/2024 20:22	TMP	A2
Trichloroethene	0.00058U	U,P1,P2	mg/kg	0.0023	0.00058	SW846 8260D	1	06/12/2024 20:22	TMP	A2
Trichlorofluoromethane	0.00058U	U,P1,P2	mg/kg	0.0023	0.00058	SW846 8260D	1	06/12/2024 20:22	TMP	A2
Vinyl Chloride	0.00058U	U,P1,P2	mg/kg	0.0023	0.00058	SW846 8260D	1	06/12/2024 20:22	TMP	A2

### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	106%	56 - 124	06/12/2024 20:22	
4-Bromofluorobenzene	460-00-4	104%	51 - 128	06/12/2024 20:22	
Dibromofluoromethane	1868-53-7	95.6%	62 - 123	06/12/2024 20:22	
Toluene-d8	2037-26-5	103%	59 - 131	06/12/2024 20:22	

### WET CHEMISTRY

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Moisture	18.3	P1,P2	%	0.1	0.01	S2540G-11	1	06/11/2024 14:37	J1K	A
Total Solids	81.7	1,P1,P2	%	0.1	0.01	S2540G-11	1	06/11/2024 14:37	J1K	A



## Results

Client Sample ID	SB-04 (2-4)	Collected	06/03/2024 16:40
Lab Sample ID	3363483014	Lab Receipt	06/08/2024 08:37

### GASOLINE RANGE ORGANICS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Gasoline Range Organics	3.9J	J,P1,P2	mg/kg	12.3	2.1	SW846 8015D	100	06/15/2024 00:24	JTH	A1

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
a,a,a-Trifluorotoluene	98-08-8	108%	72 - 134	06/15/2024 00:24	

### PETROLEUM HC's

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Diesel Range Organics C10-C28	17.1	P1,P2	mg/kg	12.6	3.5	SW846 8015D	1	06/15/2024 09:24	KJH	A

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
o-Terphenyl	84-15-1	80.1%	36 - 122	06/15/2024 09:24	

### SEMIVOLATILE SIM

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,4-Dioxane	0.0028U	U,P1,P2	mg/kg	0.0055	0.0028	SW846 8270E SIM	1	06/18/2024 12:00	S7M	A
1-Methylnaphthalene	0.013	P1,P2	mg/kg	0.0055	0.00099	SW846 8270E SIM	1	06/18/2024 12:00	S7M	A
2-Methylnaphthalene	0.015	P1,P2	mg/kg	0.0055	0.0014	SW846 8270E SIM	1	06/18/2024 12:00	S7M	A
Acenaphthene	0.00099U	U,P1,P2	mg/kg	0.0055	0.00099	SW846 8270E SIM	1	06/18/2024 12:00	S7M	A
Acenaphthylene	0.00099U	U,P1,P2	mg/kg	0.0055	0.00099	SW846 8270E SIM	1	06/18/2024 12:00	S7M	A
Anthracene	0.00088U	U,P1,P2	mg/kg	0.0055	0.00088	SW846 8270E SIM	1	06/18/2024 12:00	S7M	A
Benzo(a)anthracene	0.0047J	J,P1,P2	mg/kg	0.0055	0.00088	SW846 8270E SIM	1	06/18/2024 12:00	S7M	A
Benzo(a)pyrene	0.0046J	J,P1,P2	mg/kg	0.0055	0.00088	SW846 8270E SIM	1	06/18/2024 12:00	S7M	A
Benzo(b)fluoranthene	0.0082	P1,P2	mg/kg	0.0055	0.00088	SW846 8270E SIM	1	06/18/2024 12:00	S7M	A
Benzo(g,h,i)perylene	0.0074	P1,P2	mg/kg	0.0055	0.0011	SW846 8270E SIM	1	06/18/2024 12:00	S7M	A
Benzo(k)fluoranthene	0.0063	P1,P2	mg/kg	0.0055	0.00099	SW846 8270E SIM	1	06/18/2024 12:00	S7M	A
Chrysene	0.0083	P1,P2	mg/kg	0.0055	0.00099	SW846 8270E SIM	1	06/18/2024 12:00	S7M	A
Dibenzo(a,h)anthracene	0.00077U	U,P1,P2	mg/kg	0.0055	0.00077	SW846 8270E SIM	1	06/18/2024 12:00	S7M	A
Fluoranthene	0.017	P1,P2	mg/kg	0.0055	0.00099	SW846 8270E SIM	1	06/18/2024 12:00	S7M	A
Fluorene	0.0011U	U,P1,P2	mg/kg	0.0055	0.0011	SW846 8270E SIM	1	06/18/2024 12:00	S7M	A
Indeno(1,2,3-cd)pyrene	0.0065	P1,P2	mg/kg	0.0055	0.00088	SW846 8270E SIM	1	06/18/2024 12:00	S7M	A
Naphthalene	0.012	P1,P2	mg/kg	0.0055	0.0012	SW846 8270E SIM	1	06/18/2024 12:00	S7M	A
Phenanthrene	0.015	P1,P2	mg/kg	0.0055	0.0012	SW846 8270E SIM	1	06/18/2024 12:00	S7M	A



## Results

Client Sample ID	SB-04 (2-4)	Collected	06/03/2024 16:40
Lab Sample ID	3363483014	Lab Receipt	06/08/2024 08:37

### SEMIVOLATILE SIM (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Pyrene	0.013	P1,P2	mg/kg	0.0055	0.00088	SW846 8270E SIM	1	06/18/2024 12:00	S7M	A

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
2-Methylnaphthalene-d10	7297-45-2	76.1%	50 - 150	06/18/2024 12:00	
Fluoranthene-d10	93951-69-0	78.9%	50 - 150	06/18/2024 12:00	

### SEMIVOLATILES

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1-Methylnaphthalene	0.019U	U,P1,P2	mg/kg	0.11	0.019	SW846 8270E	1	06/17/2024 09:13	S7M	A
2-Methylnaphthalene	0.019U	U,P1,P2	mg/kg	0.11	0.019	SW846 8270E	1	06/17/2024 09:13	S7M	A
Acenaphthene	0.019U	U,P1,P2	mg/kg	0.055	0.019	SW846 8270E	1	06/17/2024 09:13	S7M	A
Acenaphthylene	0.019U	U,9,P1,P2	mg/kg	0.055	0.019	SW846 8270E	1	06/17/2024 09:13	S7M	A
Anthracene	0.019U	U,P1,P2	mg/kg	0.055	0.019	SW846 8270E	1	06/17/2024 09:13	S7M	A
Benzo(a)anthracene	0.019U	U,P1,P2	mg/kg	0.055	0.019	SW846 8270E	1	06/17/2024 09:13	S7M	A
Benzo(a)pyrene	0.019U	U,P1,P2	mg/kg	0.055	0.019	SW846 8270E	1	06/17/2024 09:13	S7M	A
Benzo(b)fluoranthene	0.019U	U,P1,P2	mg/kg	0.055	0.019	SW846 8270E	1	06/17/2024 09:13	S7M	A
Benzo(g,h,i)perylene	0.019U	U,P1,P2	mg/kg	0.055	0.019	SW846 8270E	1	06/17/2024 09:13	S7M	A
Benzo(k)fluoranthene	0.019U	U,P1,P2	mg/kg	0.055	0.019	SW846 8270E	1	06/17/2024 09:13	S7M	A
Carbazole	0.019U	U,P1,P2	mg/kg	0.11	0.019	SW846 8270E	1	06/17/2024 09:13	S7M	A
Chrysene	0.019U	U,P1,P2	mg/kg	0.055	0.019	SW846 8270E	1	06/17/2024 09:13	S7M	A
Dibenzo(a,h)anthracene	0.019U	U,P1,P2	mg/kg	0.055	0.019	SW846 8270E	1	06/17/2024 09:13	S7M	A
Dibenzofuran	0.019U	U,P1,P2	mg/kg	0.11	0.019	SW846 8270E	1	06/17/2024 09:13	S7M	A
Fluoranthene	0.019J	J,P1,P2	mg/kg	0.055	0.019	SW846 8270E	1	06/17/2024 09:13	S7M	A
Fluorene	0.019U	U,P1,P2	mg/kg	0.055	0.019	SW846 8270E	1	06/17/2024 09:13	S7M	A
Indeno(1,2,3-cd)pyrene	0.019U	U,P1,P2	mg/kg	0.055	0.019	SW846 8270E	1	06/17/2024 09:13	S7M	A
Naphthalene	0.019U	U,P1,P2	mg/kg	0.055	0.019	SW846 8270E	1	06/17/2024 09:13	S7M	A
Phenanthrene	0.019U	U,P1,P2	mg/kg	0.055	0.019	SW846 8270E	1	06/17/2024 09:13	S7M	A
Pyrene	0.019U	U,P1,P2	mg/kg	0.055	0.019	SW846 8270E	1	06/17/2024 09:13	S7M	A

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
2,4,6-Tribromophenol	118-79-6	70.5%	19 - 132	06/17/2024 09:13	
2-Fluorobiphenyl	321-60-8	69.2%	40 - 110	06/17/2024 09:13	
2-Fluorophenol	367-12-4	67.5%	26 - 116	06/17/2024 09:13	
Nitrobenzene-d5	4165-60-0	70.2%	38 - 112	06/17/2024 09:13	
Phenol-d5	4165-62-2	72.6%	35 - 111	06/17/2024 09:13	
Terphenyl-d14	98904-43-9	93.5%	45 - 126	06/17/2024 09:13	

### VOLATILE ORGANICS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1-Trichloroethane	0.00073U	U,P1,P2	mg/kg	0.0023	0.00073	SW846 8260D	1	06/13/2024 04:50	PDK	A2

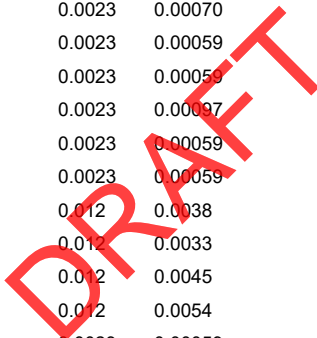


**Results**

Client Sample ID SB-04 (2-4) Collected 06/03/2024 16:40  
 Lab Sample ID 3363483014 Lab Receipt 06/08/2024 08:37

**VOLATILE ORGANICS (cont.)**

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,2,2-Tetrachloroethane	0.00066U	U,P1,P2	mg/kg	0.0023	0.00066	SW846 8260D	1	06/13/2024 04:50	PDK	A2
1,1,2-Trichloroethane	0.00066U	U,P1,P2	mg/kg	0.0023	0.00066	SW846 8260D	1	06/13/2024 04:50	PDK	A2
1,1-Dichloroethane	0.00059U	U,P1,P2	mg/kg	0.0023	0.00059	SW846 8260D	1	06/13/2024 04:50	PDK	A2
1,1-Dichloroethene	0.00061U	U,P1,P2	mg/kg	0.0023	0.00061	SW846 8260D	1	06/13/2024 04:50	PDK	A2
1,1-Dichloropropene	0.00059U	U,P1,P2	mg/kg	0.0023	0.00059	SW846 8260D	1	06/13/2024 04:50	PDK	A2
1,2,3-Trichlorobenzene	0.00059U	U,P1,P2	mg/kg	0.0059	0.00059	SW846 8260D	1	06/13/2024 04:50	PDK	A2
1,2,3-Trichloropropane	0.00059U	U,P1,P2	mg/kg	0.0023	0.00059	SW846 8260D	1	06/13/2024 04:50	PDK	A2
1,2,4-Trichlorobenzene	0.00059U	U,P1,P2	mg/kg	0.0059	0.00059	SW846 8260D	1	06/13/2024 04:50	PDK	A2
1,2,4-Trimethylbenzene	0.00059U	U,P1,P2	mg/kg	0.0023	0.00059	SW846 8260D	1	06/13/2024 04:50	PDK	A2
1,2-Dibromo-3-chloropropane	0.00029U	U,P1,P2	mg/kg	0.0023	0.00029	SW846 8260D	1	06/13/2024 04:50	PDK	A2
1,2-Dibromoethane	0.00063U	U,P1,P2	mg/kg	0.0023	0.00063	SW846 8260D	1	06/13/2024 04:50	PDK	A2
1,2-Dichlorobenzene	0.00059U	U,P1,P2	mg/kg	0.0023	0.00059	SW846 8260D	1	06/13/2024 04:50	PDK	A2
1,2-Dichloroethane	0.00059U	U,P1,P2	mg/kg	0.0023	0.00059	SW846 8260D	1	06/13/2024 04:50	PDK	A2
1,2-Dichloropropane	0.00070U	U,P1,P2	mg/kg	0.0023	0.00070	SW846 8260D	1	06/13/2024 04:50	PDK	A2
1,3,5-Trimethylbenzene	0.00059U	U,P1,P2	mg/kg	0.0023	0.00059	SW846 8260D	1	06/13/2024 04:50	PDK	A2
1,3-Dichlorobenzene	0.00059U	U,P1,P2	mg/kg	0.0023	0.00059	SW846 8260D	1	06/13/2024 04:50	PDK	A2
1,3-Dichloropropane	0.00097U	U,P1,P2	mg/kg	0.0023	0.00097	SW846 8260D	1	06/13/2024 04:50	PDK	A2
1,4-Dichlorobenzene	0.00059U	U,P1,P2	mg/kg	0.0023	0.00059	SW846 8260D	1	06/13/2024 04:50	PDK	A2
2,2-Dichloropropane	0.00059U	U,P1,P2	mg/kg	0.0023	0.00059	SW846 8260D	1	06/13/2024 04:50	PDK	A2
2-Butanone	0.013	P1,P2	mg/kg	0.012	0.0038	SW846 8260D	1	06/13/2024 04:50	PDK	A2
2-Hexanone	0.0033U	U,P1,P2	mg/kg	0.012	0.0033	SW846 8260D	1	06/13/2024 04:50	PDK	A2
4-Methyl-2-Pentanone(MIBK)	0.0045U	U,P1,P2	mg/kg	0.012	0.0045	SW846 8260D	1	06/13/2024 04:50	PDK	A2
Acetone	0.073	P1,P2	mg/kg	0.012	0.0054	SW846 8260D	1	06/13/2024 04:50	PDK	A2
Benzene	0.00059U	U,P1,P2	mg/kg	0.0023	0.00059	SW846 8260D	1	06/13/2024 04:50	PDK	A2
Bromobenzene	0.00059U	U,P1,P2	mg/kg	0.0023	0.00059	SW846 8260D	1	06/13/2024 04:50	PDK	A2
Bromochloromethane	0.00059U	U,P1,P2	mg/kg	0.0023	0.00059	SW846 8260D	1	06/13/2024 04:50	PDK	A2
Bromodichloromethane	0.00083U	U,P1,P2	mg/kg	0.0023	0.00083	SW846 8260D	1	06/13/2024 04:50	PDK	A2
Bromoform	0.00061U	U,P1,P2	mg/kg	0.0023	0.00061	SW846 8260D	1	06/13/2024 04:50	PDK	A2
Bromomethane	0.00061U	U,P1,P2	mg/kg	0.0023	0.00061	SW846 8260D	1	06/13/2024 04:50	PDK	A2
Carbon Disulfide	0.00074U	U,P1,P2	mg/kg	0.0023	0.00074	SW846 8260D	1	06/13/2024 04:50	PDK	A2
Carbon Tetrachloride	0.00060U	U,P1,P2	mg/kg	0.0023	0.00060	SW846 8260D	1	06/13/2024 04:50	PDK	A2
Chlorobenzene	0.00060U	U,P1,P2	mg/kg	0.0023	0.00060	SW846 8260D	1	06/13/2024 04:50	PDK	A2
Chlorodibromomethane	0.00080U	U,P1,P2	mg/kg	0.0023	0.00080	SW846 8260D	1	06/13/2024 04:50	PDK	A2
Chloroethane	0.0010U	U,P1,P2	mg/kg	0.0059	0.0010	SW846 8260D	1	06/13/2024 04:50	PDK	A2
Chloroform	0.00062U	U,P1,P2	mg/kg	0.0023	0.00062	SW846 8260D	1	06/13/2024 04:50	PDK	A2
Chloromethane	0.00064U	U,P1,P2	mg/kg	0.0023	0.00064	SW846 8260D	1	06/13/2024 04:50	PDK	A2
cis-1,2-Dichloroethene	0.00059U	U,P1,P2	mg/kg	0.0023	0.00059	SW846 8260D	1	06/13/2024 04:50	PDK	A2
cis-1,3-Dichloropropene	0.00064U	U,P1,P2	mg/kg	0.0023	0.00064	SW846 8260D	1	06/13/2024 04:50	PDK	A2
Dibromomethane	0.00084U	U,P1,P2	mg/kg	0.0023	0.00084	SW846 8260D	1	06/13/2024 04:50	PDK	A2
Dichlorodifluoromethane	0.00079U	U,P1,P2	mg/kg	0.0023	0.00079	SW846 8260D	1	06/13/2024 04:50	PDK	A2
Ethylbenzene	0.00080U	U,P1,P2	mg/kg	0.0023	0.00080	SW846 8260D	1	06/13/2024 04:50	PDK	A2
Freon 113	0.00059U	U,10,P1, P2	mg/kg	0.0023	0.00059	SW846 8260D	1	06/13/2024 04:50	PDK	A2
Hexachlorobutadiene	0.00059U	U,P1,P2	mg/kg	0.0059	0.00059	SW846 8260D	1	06/13/2024 04:50	PDK	A2
Isopropylbenzene	0.00072U	U,P1,P2	mg/kg	0.0023	0.00072	SW846 8260D	1	06/13/2024 04:50	PDK	A2
Methyl t-Butyl Ether	0.00059U	U,P1,P2	mg/kg	0.0023	0.00059	SW846 8260D	1	06/13/2024 04:50	PDK	A2
Methylene Chloride	0.0022J	J,P1,P2	mg/kg	0.0023	0.00091	SW846 8260D	1	06/13/2024 04:50	PDK	A2
mp-Xylene	0.00097U	U,P1,P2	mg/kg	0.0047	0.00097	SW846 8260D	1	06/13/2024 04:50	PDK	A2





## Results

Client Sample ID	SB-04 (2-4)	Collected	06/03/2024 16:40
Lab Sample ID	3363483014	Lab Receipt	06/08/2024 08:37

### VOLATILE ORGANICS (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Naphthalene	0.00059U	U,P1,P2	mg/kg	0.0023	0.00059	SW846 8260D	1	06/13/2024 04:50	PDK	A2
n-Butylbenzene	0.00059U	U,P1,P2	mg/kg	0.0023	0.00059	SW846 8260D	1	06/13/2024 04:50	PDK	A2
n-Propylbenzene	0.00059U	U,P1,P2	mg/kg	0.0023	0.00059	SW846 8260D	1	06/13/2024 04:50	PDK	A2
o-Chlorotoluene	0.00059U	U,P1,P2	mg/kg	0.0023	0.00059	SW846 8260D	1	06/13/2024 04:50	PDK	A2
o-Xylene	0.00068U	U,P1,P2	mg/kg	0.0023	0.00068	SW846 8260D	1	06/13/2024 04:50	PDK	A2
p-Chlorotoluene	0.00059U	U,P1,P2	mg/kg	0.0023	0.00059	SW846 8260D	1	06/13/2024 04:50	PDK	A2
p-Isopropyltoluene	0.00059U	U,P1,P2	mg/kg	0.0023	0.00059	SW846 8260D	1	06/13/2024 04:50	PDK	A2
sec-Butylbenzene	0.00059U	U,P1,P2	mg/kg	0.0023	0.00059	SW846 8260D	1	06/13/2024 04:50	PDK	A2
Styrene	0.00059U	U,P1,P2	mg/kg	0.0023	0.00059	SW846 8260D	1	06/13/2024 04:50	PDK	A2
tert-Butylbenzene	0.00064U	U,P1,P2	mg/kg	0.0023	0.00064	SW846 8260D	1	06/13/2024 04:50	PDK	A2
Tetrachloroethene	0.00070U	U,P1,P2	mg/kg	0.0023	0.00070	SW846 8260D	1	06/13/2024 04:50	PDK	A2
Toluene	0.00079U	U,P1,P2	mg/kg	0.0023	0.00079	SW846 8260D	1	06/13/2024 04:50	PDK	A2
Total Xylenes	0.0016U	U,P1,P2	mg/kg	0.0070	0.0016	SW846 8260D	1	06/13/2024 04:50	PDK	A2
trans-1,2-Dichloroethene	0.00061U	U,P1,P2	mg/kg	0.0023	0.00061	SW846 8260D	1	06/13/2024 04:50	PDK	A2
trans-1,3-Dichloropropene	0.00068U	U,P1,P2	mg/kg	0.0023	0.00068	SW846 8260D	1	06/13/2024 04:50	PDK	A2
Trichloroethene	0.00059U	U,P1,P2	mg/kg	0.0023	0.00059	SW846 8260D	1	06/13/2024 04:50	PDK	A2
Trichlorofluoromethane	0.00059U	U,P1,P2	mg/kg	0.0023	0.00059	SW846 8260D	1	06/13/2024 04:50	PDK	A2
Vinyl Chloride	0.00059U	U,P1,P2	mg/kg	0.0023	0.00059	SW846 8260D	1	06/13/2024 04:50	PDK	A2

### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	110%	56 - 124	06/13/2024 04:50	
4-Bromofluorobenzene	460-00-4	98.6%	51 - 128	06/13/2024 04:50	
Dibromofluoromethane	1868-53-7	104%	62 - 123	06/13/2024 04:50	
Toluene-d8	2037-26-5	97.8%	59 - 131	06/13/2024 04:50	

### WET CHEMISTRY

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Moisture	18.9	P1,P2	%	0.1	0.01	S2540G-11	1	06/11/2024 14:37	J1K	A
Total Solids	81.1	1,P1,P2	%	0.1	0.01	S2540G-11	1	06/11/2024 14:37	J1K	A



## Results

Client Sample ID	SB-04 (6-8)	Collected	06/03/2024 16:40
Lab Sample ID	3363483015	Lab Receipt	06/08/2024 08:37

### GASOLINE RANGE ORGANICS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Gasoline Range Organics	6.6J	J,P1,P2	mg/kg	11.1	1.9	SW846 8015D	100	06/15/2024 01:15	JTH	A1

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
a,a,a-Trifluorotoluene	98-08-8	98.6%	72 - 134	06/15/2024 01:15	

### PETROLEUM HC's

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Diesel Range Organics C10-C28	165	P1,P2	mg/kg	12.4	3.4	SW846 8015D	1	06/15/2024 09:56	KJH	A

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
o-Terphenyl	84-15-1	86.7%	36 - 122	06/15/2024 09:56	

### SEMIVOLATILE SIM

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,4-Dioxane	0.0028U	U,P1,P2	mg/kg	0.0055	0.0028	SW846 8270E SIM	1	06/18/2024 12:29	S7M	A
1-Methylnaphthalene	0.026	P1,P2	mg/kg	0.0055	0.00099	SW846 8270E SIM	1	06/18/2024 12:29	S7M	A
2-Methylnaphthalene	0.014	P1,P2	mg/kg	0.0055	0.0014	SW846 8270E SIM	1	06/18/2024 12:29	S7M	A
Acenaphthene	0.036	P1,P2	mg/kg	0.0055	0.00099	SW846 8270E SIM	1	06/18/2024 12:29	S7M	A
Acenaphthylene	0.011	P1,P2	mg/kg	0.0055	0.00099	SW846 8270E SIM	1	06/18/2024 12:29	S7M	A
Anthracene	0.035	P1,P2	mg/kg	0.0055	0.00088	SW846 8270E SIM	1	06/18/2024 12:29	S7M	A
Benzo(a)anthracene	0.00088U	U,P1,P2	mg/kg	0.0055	0.00088	SW846 8270E SIM	1	06/18/2024 12:29	S7M	A
Benzo(a)pyrene	0.00088U	U,P1,P2	mg/kg	0.0055	0.00088	SW846 8270E SIM	1	06/18/2024 12:29	S7M	A
Benzo(b)fluoranthene	0.00088U	U,P1,P2	mg/kg	0.0055	0.00088	SW846 8270E SIM	1	06/18/2024 12:29	S7M	A
Benzo(g,h,i)perylene	0.0011U	U,P1,P2	mg/kg	0.0055	0.0011	SW846 8270E SIM	1	06/18/2024 12:29	S7M	A
Benzo(k)fluoranthene	0.00099U	U,P1,P2	mg/kg	0.0055	0.00099	SW846 8270E SIM	1	06/18/2024 12:29	S7M	A
Chrysene	0.00099U	U,P1,P2	mg/kg	0.0055	0.00099	SW846 8270E SIM	1	06/18/2024 12:29	S7M	A
Dibenzo(a,h)anthracene	0.00077U	U,P1,P2	mg/kg	0.0055	0.00077	SW846 8270E SIM	1	06/18/2024 12:29	S7M	A
Fluoranthene	0.00099U	U,P1,P2	mg/kg	0.0055	0.00099	SW846 8270E SIM	1	06/18/2024 12:29	S7M	A
Fluorene	0.076	P1,P2	mg/kg	0.0055	0.0011	SW846 8270E SIM	1	06/18/2024 12:29	S7M	A
Indeno(1,2,3-cd)pyrene	0.00088U	U,P1,P2	mg/kg	0.0055	0.00088	SW846 8270E SIM	1	06/18/2024 12:29	S7M	A
Naphthalene	0.0068	P1,P2	mg/kg	0.0055	0.0012	SW846 8270E SIM	1	06/18/2024 12:29	S7M	A
Phenanthrene	0.20	P1,P2	mg/kg	0.0055	0.0012	SW846 8270E SIM	1	06/18/2024 12:29	S7M	A





## Results

Client Sample ID	SB-04 (6-8)	Collected	06/03/2024 16:40
Lab Sample ID	3363483015	Lab Receipt	06/08/2024 08:37

### SEMIVOLATILE SIM (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Pyrene	0.010	P1,P2	mg/kg	0.0055	0.00088	SW846 8270E SIM	1	06/18/2024 12:29	S7M	A

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
2-Methylnaphthalene-d10	7297-45-2	84.2%	50 - 150	06/18/2024 12:29	
Fluoranthene-d10	93951-69-0	93.3%	50 - 150	06/18/2024 12:29	

### SEMIVOLATILES

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1-Methylnaphthalene	0.027J	J,P1,P2	mg/kg	0.11	0.019	SW846 8270E	1	06/17/2024 09:38	S7M	A
2-Methylnaphthalene	0.019U	U,P1,P2	mg/kg	0.11	0.019	SW846 8270E	1	06/17/2024 09:38	S7M	A
Acenaphthene	0.019U	U,P1,P2	mg/kg	0.055	0.019	SW846 8270E	1	06/17/2024 09:38	S7M	A
Acenaphthylene	0.019U	U,9,P1,P2	mg/kg	0.055	0.019	SW846 8270E	1	06/17/2024 09:38	S7M	A
Anthracene	0.030J	J,P1,P2	mg/kg	0.055	0.019	SW846 8270E	1	06/17/2024 09:38	S7M	A
Benzo(a)anthracene	0.019U	U,P1,P2	mg/kg	0.055	0.019	SW846 8270E	1	06/17/2024 09:38	S7M	A
Benzo(a)pyrene	0.019U	U,P1,P2	mg/kg	0.055	0.019	SW846 8270E	1	06/17/2024 09:38	S7M	A
Benzo(b)fluoranthene	0.019U	U,P1,P2	mg/kg	0.055	0.019	SW846 8270E	1	06/17/2024 09:38	S7M	A
Benzo(g,h,i)perylene	0.019U	U,P1,P2	mg/kg	0.055	0.019	SW846 8270E	1	06/17/2024 09:38	S7M	A
Benzo(k)fluoranthene	0.019U	U,P1,P2	mg/kg	0.055	0.019	SW846 8270E	1	06/17/2024 09:38	S7M	A
Carbazole	0.019U	U,P1,P2	mg/kg	0.11	0.019	SW846 8270E	1	06/17/2024 09:38	S7M	A
Chrysene	0.019U	U,P1,P2	mg/kg	0.055	0.019	SW846 8270E	1	06/17/2024 09:38	S7M	A
Dibenzo(a,h)anthracene	0.019U	U,P1,P2	mg/kg	0.055	0.019	SW846 8270E	1	06/17/2024 09:38	S7M	A
Dibenzofuran	0.019U	U,P1,P2	mg/kg	0.11	0.019	SW846 8270E	1	06/17/2024 09:38	S7M	A
Fluoranthene	0.019U	U,P1,P2	mg/kg	0.055	0.019	SW846 8270E	1	06/17/2024 09:38	S7M	A
Fluorene	0.070	P1,P2	mg/kg	0.055	0.019	SW846 8270E	1	06/17/2024 09:38	S7M	A
Indeno(1,2,3-cd)pyrene	0.019U	U,P1,P2	mg/kg	0.055	0.019	SW846 8270E	1	06/17/2024 09:38	S7M	A
Naphthalene	0.019U	U,P1,P2	mg/kg	0.055	0.019	SW846 8270E	1	06/17/2024 09:38	S7M	A
Phenanthrene	0.21	P1,P2	mg/kg	0.055	0.019	SW846 8270E	1	06/17/2024 09:38	S7M	A
Pyrene	0.019U	U,P1,P2	mg/kg	0.055	0.019	SW846 8270E	1	06/17/2024 09:38	S7M	A

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
2,4,6-Tribromophenol	118-79-6	75%	19 - 132	06/17/2024 09:38	
2-Fluorobiphenyl	321-60-8	71%	40 - 110	06/17/2024 09:38	
2-Fluorophenol	367-12-4	71.2%	26 - 116	06/17/2024 09:38	
Nitrobenzene-d5	4165-60-0	74.8%	38 - 112	06/17/2024 09:38	
Phenol-d5	4165-62-2	77.7%	35 - 111	06/17/2024 09:38	
Terphenyl-d14	98904-43-9	94.4%	45 - 126	06/17/2024 09:38	

### VOLATILE ORGANICS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1-Trichloroethane	0.00069U	U,P1,P2	mg/kg	0.0022	0.00069	SW846 8260D	1	06/13/2024 05:16	PDK	A2

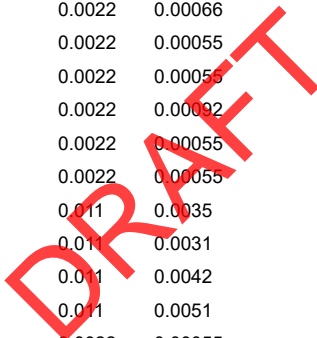


**Results**

Client Sample ID SB-04 (6-8) Collected 06/03/2024 16:40  
 Lab Sample ID 3363483015 Lab Receipt 06/08/2024 08:37

**VOLATILE ORGANICS (cont.)**

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,2,2-Tetrachloroethane	0.00062U	U,P1,P2	mg/kg	0.0022	0.00062	SW846 8260D	1	06/13/2024 05:16	PDK	A2
1,1,2-Trichloroethane	0.00062U	U,P1,P2	mg/kg	0.0022	0.00062	SW846 8260D	1	06/13/2024 05:16	PDK	A2
1,1-Dichloroethane	0.00055U	U,P1,P2	mg/kg	0.0022	0.00055	SW846 8260D	1	06/13/2024 05:16	PDK	A2
1,1-Dichloroethene	0.00058U	U,P1,P2	mg/kg	0.0022	0.00058	SW846 8260D	1	06/13/2024 05:16	PDK	A2
1,1-Dichloropropene	0.00055U	U,P1,P2	mg/kg	0.0022	0.00055	SW846 8260D	1	06/13/2024 05:16	PDK	A2
1,2,3-Trichlorobenzene	0.00055U	U,P1,P2	mg/kg	0.0055	0.00055	SW846 8260D	1	06/13/2024 05:16	PDK	A2
1,2,3-Trichloropropane	0.00055U	U,P1,P2	mg/kg	0.0022	0.00055	SW846 8260D	1	06/13/2024 05:16	PDK	A2
1,2,4-Trichlorobenzene	0.00055U	U,P1,P2	mg/kg	0.0055	0.00055	SW846 8260D	1	06/13/2024 05:16	PDK	A2
1,2,4-Trimethylbenzene	0.00055U	U,P1,P2	mg/kg	0.0022	0.00055	SW846 8260D	1	06/13/2024 05:16	PDK	A2
1,2-Dibromo-3-chloropropane	0.00028U	U,P1,P2	mg/kg	0.0022	0.00028	SW846 8260D	1	06/13/2024 05:16	PDK	A2
1,2-Dibromoethane	0.00060U	U,P1,P2	mg/kg	0.0022	0.00060	SW846 8260D	1	06/13/2024 05:16	PDK	A2
1,2-Dichlorobenzene	0.00055U	U,P1,P2	mg/kg	0.0022	0.00055	SW846 8260D	1	06/13/2024 05:16	PDK	A2
1,2-Dichloroethane	0.00055U	U,P1,P2	mg/kg	0.0022	0.00055	SW846 8260D	1	06/13/2024 05:16	PDK	A2
1,2-Dichloropropane	0.00066U	U,P1,P2	mg/kg	0.0022	0.00066	SW846 8260D	1	06/13/2024 05:16	PDK	A2
1,3,5-Trimethylbenzene	0.00055U	U,P1,P2	mg/kg	0.0022	0.00055	SW846 8260D	1	06/13/2024 05:16	PDK	A2
1,3-Dichlorobenzene	0.00055U	U,P1,P2	mg/kg	0.0022	0.00055	SW846 8260D	1	06/13/2024 05:16	PDK	A2
1,3-Dichloropropane	0.00092U	U,P1,P2	mg/kg	0.0022	0.00092	SW846 8260D	1	06/13/2024 05:16	PDK	A2
1,4-Dichlorobenzene	0.00055U	U,P1,P2	mg/kg	0.0022	0.00055	SW846 8260D	1	06/13/2024 05:16	PDK	A2
2,2-Dichloropropane	0.00055U	U,P1,P2	mg/kg	0.0022	0.00055	SW846 8260D	1	06/13/2024 05:16	PDK	A2
2-Butanone	0.0095J	J,P1,P2	mg/kg	0.011	0.0035	SW846 8260D	1	06/13/2024 05:16	PDK	A2
2-Hexanone	0.0031U	U,P1,P2	mg/kg	0.011	0.0031	SW846 8260D	1	06/13/2024 05:16	PDK	A2
4-Methyl-2-Pentanone(MIBK)	0.0042U	U,P1,P2	mg/kg	0.011	0.0042	SW846 8260D	1	06/13/2024 05:16	PDK	A2
Acetone	0.047	P1,P2	mg/kg	0.011	0.0051	SW846 8260D	1	06/13/2024 05:16	PDK	A2
Benzene	0.00055U	U,P1,P2	mg/kg	0.0022	0.00055	SW846 8260D	1	06/13/2024 05:16	PDK	A2
Bromobenzene	0.00055U	U,P1,P2	mg/kg	0.0022	0.00055	SW846 8260D	1	06/13/2024 05:16	PDK	A2
Bromochloromethane	0.00055U	U,P1,P2	mg/kg	0.0022	0.00055	SW846 8260D	1	06/13/2024 05:16	PDK	A2
Bromodichloromethane	0.00079U	U,P1,P2	mg/kg	0.0022	0.00079	SW846 8260D	1	06/13/2024 05:16	PDK	A2
Bromoform	0.00058U	U,P1,P2	mg/kg	0.0022	0.00058	SW846 8260D	1	06/13/2024 05:16	PDK	A2
Bromomethane	0.00058U	U,P1,P2	mg/kg	0.0022	0.00058	SW846 8260D	1	06/13/2024 05:16	PDK	A2
Carbon Disulfide	0.00070U	U,P1,P2	mg/kg	0.0022	0.00070	SW846 8260D	1	06/13/2024 05:16	PDK	A2
Carbon Tetrachloride	0.00056U	U,P1,P2	mg/kg	0.0022	0.00056	SW846 8260D	1	06/13/2024 05:16	PDK	A2
Chlorobenzene	0.00056U	U,P1,P2	mg/kg	0.0022	0.00056	SW846 8260D	1	06/13/2024 05:16	PDK	A2
Chlorodibromomethane	0.00075U	U,P1,P2	mg/kg	0.0022	0.00075	SW846 8260D	1	06/13/2024 05:16	PDK	A2
Chloroethane	0.00094U	U,P1,P2	mg/kg	0.0055	0.00094	SW846 8260D	1	06/13/2024 05:16	PDK	A2
Chloroform	0.00059U	U,P1,P2	mg/kg	0.0022	0.00059	SW846 8260D	1	06/13/2024 05:16	PDK	A2
Chloromethane	0.00061U	U,P1,P2	mg/kg	0.0022	0.00061	SW846 8260D	1	06/13/2024 05:16	PDK	A2
cis-1,2-Dichloroethene	0.00055U	U,P1,P2	mg/kg	0.0022	0.00055	SW846 8260D	1	06/13/2024 05:16	PDK	A2
cis-1,3-Dichloropropene	0.00061U	U,P1,P2	mg/kg	0.0022	0.00061	SW846 8260D	1	06/13/2024 05:16	PDK	A2
Dibromomethane	0.00080U	U,P1,P2	mg/kg	0.0022	0.00080	SW846 8260D	1	06/13/2024 05:16	PDK	A2
Dichlorodifluoromethane	0.00074U	U,P1,P2	mg/kg	0.0022	0.00074	SW846 8260D	1	06/13/2024 05:16	PDK	A2
Ethylbenzene	0.00075U	U,P1,P2	mg/kg	0.0022	0.00075	SW846 8260D	1	06/13/2024 05:16	PDK	A2
Freon 113	0.00055U	U,10,P1, P2	mg/kg	0.0022	0.00055	SW846 8260D	1	06/13/2024 05:16	PDK	A2
Hexachlorobutadiene	0.00055U	U,P1,P2	mg/kg	0.0055	0.00055	SW846 8260D	1	06/13/2024 05:16	PDK	A2
Isopropylbenzene	0.0010J	J,P1,P2	mg/kg	0.0022	0.00067	SW846 8260D	1	06/13/2024 05:16	PDK	A2
Methyl t-Butyl Ether	0.00055U	U,P1,P2	mg/kg	0.0022	0.00055	SW846 8260D	1	06/13/2024 05:16	PDK	A2
Methylene Chloride	0.0018J	J,P1,P2	mg/kg	0.0022	0.00086	SW846 8260D	1	06/13/2024 05:16	PDK	A2
mp-Xylene	0.00092U	U,P1,P2	mg/kg	0.0044	0.00092	SW846 8260D	1	06/13/2024 05:16	PDK	A2





## Results

Client Sample ID	SB-04 (6-8)	Collected	06/03/2024 16:40
Lab Sample ID	3363483015	Lab Receipt	06/08/2024 08:37

### VOLATILE ORGANICS (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Naphthalene	0.00055U	U,P1,P2	mg/kg	0.0022	0.00055	SW846 8260D	1	06/13/2024 05:16	PDK	A2
n-Butylbenzene	0.0080	P1,P2	mg/kg	0.0022	0.00055	SW846 8260D	1	06/13/2024 05:16	PDK	A2
n-Propylbenzene	0.0022J	J,P1,P2	mg/kg	0.0022	0.00055	SW846 8260D	1	06/13/2024 05:16	PDK	A2
o-Chlorotoluene	0.00055U	U,P1,P2	mg/kg	0.0022	0.00055	SW846 8260D	1	06/13/2024 05:16	PDK	A2
o-Xylene	0.00064U	U,P1,P2	mg/kg	0.0022	0.00064	SW846 8260D	1	06/13/2024 05:16	PDK	A2
p-Chlorotoluene	0.00055U	U,P1,P2	mg/kg	0.0022	0.00055	SW846 8260D	1	06/13/2024 05:16	PDK	A2
p-Isopropyltoluene	0.00055U	U,P1,P2	mg/kg	0.0022	0.00055	SW846 8260D	1	06/13/2024 05:16	PDK	A2
sec-Butylbenzene	0.0059	P1,P2	mg/kg	0.0022	0.00055	SW846 8260D	1	06/13/2024 05:16	PDK	A2
Styrene	0.00055U	U,P1,P2	mg/kg	0.0022	0.00055	SW846 8260D	1	06/13/2024 05:16	PDK	A2
tert-Butylbenzene	0.00061U	U,P1,P2	mg/kg	0.0022	0.00061	SW846 8260D	1	06/13/2024 05:16	PDK	A2
Tetrachloroethene	0.00066U	U,P1,P2	mg/kg	0.0022	0.00066	SW846 8260D	1	06/13/2024 05:16	PDK	A2
Toluene	0.00074U	U,P1,P2	mg/kg	0.0022	0.00074	SW846 8260D	1	06/13/2024 05:16	PDK	A2
Total Xylenes	0.0015U	U,P1,P2	mg/kg	0.0066	0.0015	SW846 8260D	1	06/13/2024 05:16	PDK	A2
trans-1,2-Dichloroethene	0.00058U	U,P1,P2	mg/kg	0.0022	0.00058	SW846 8260D	1	06/13/2024 05:16	PDK	A2
trans-1,3-Dichloropropene	0.00064U	U,P1,P2	mg/kg	0.0022	0.00064	SW846 8260D	1	06/13/2024 05:16	PDK	A2
Trichloroethene	0.00055U	U,P1,P2	mg/kg	0.0022	0.00055	SW846 8260D	1	06/13/2024 05:16	PDK	A2
Trichlorofluoromethane	0.00055U	U,P1,P2	mg/kg	0.0022	0.00055	SW846 8260D	1	06/13/2024 05:16	PDK	A2
Vinyl Chloride	0.00055U	U,P1,P2	mg/kg	0.0022	0.00055	SW846 8260D	1	06/13/2024 05:16	PDK	A2

### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	111%	56 - 124	06/13/2024 05:16	
4-Bromofluorobenzene	460-00-4	101%	51 - 128	06/13/2024 05:16	
Dibromofluoromethane	1868-53-7	105%	62 - 123	06/13/2024 05:16	
Toluene-d8	2037-26-5	98.6%	59 - 131	06/13/2024 05:16	

### WET CHEMISTRY

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Moisture	17.5	P1,P2	%	0.1	0.01	S2540G-11	1	06/11/2024 14:37	J1K	A
Total Solids	82.5	1,P1,P2	%	0.1	0.01	S2540G-11	1	06/11/2024 14:37	J1K	A



## Results

Client Sample ID	SB-13 (8-10)	Collected	06/04/2024 12:15
Lab Sample ID	3363483017	Lab Receipt	06/08/2024 08:37

### GASOLINE RANGE ORGANICS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Gasoline Range Organics	1350	P1,P2	mg/kg	109	18.5	SW846 8015D	1000	06/15/2024 02:58	JTH	A1

### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
a,a,a-Trifluorotoluene	98-08-8	1220*%	72 - 134	06/15/2024 02:58	

### SEMIVOLATILE SIM

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,4-Dioxane	0.0026U	U,P1,P2	mg/kg	0.0052	0.0026	SW846 8270E SIM	1	06/18/2024 12:58	S7M	A
1-Methylnaphthalene	0.85	E,P1,P2	mg/kg	0.0052	0.00093	SW846 8270E SIM	1	06/18/2024 12:58	S7M	A
2-Methylnaphthalene	0.98	E,P1,P2	mg/kg	0.0052	0.0013	SW846 8270E SIM	1	06/18/2024 12:58	S7M	A
Acenaphthene	0.13	P1,P2	mg/kg	0.0052	0.00093	SW846 8270E SIM	1	06/18/2024 12:58	S7M	A
Acenaphthylene	0.00093U	U,P1,P2	mg/kg	0.0052	0.00093	SW846 8270E SIM	1	06/18/2024 12:58	S7M	A
Anthracene	0.11	P1,P2	mg/kg	0.0052	0.00083	SW846 8270E SIM	1	06/18/2024 12:58	S7M	A
Benzo(a)anthracene	0.0082	P1,P2	mg/kg	0.0052	0.00083	SW846 8270E SIM	1	06/18/2024 12:58	S7M	A
Benzo(a)pyrene	0.0068	P1,P2	mg/kg	0.0052	0.00083	SW846 8270E SIM	1	06/18/2024 12:58	S7M	A
Benzo(b)fluoranthene	0.012	P1,P2	mg/kg	0.0052	0.00083	SW846 8270E SIM	1	06/18/2024 12:58	S7M	A
Benzo(g,h,i)perylene	0.018	P1,P2	mg/kg	0.0052	0.0010	SW846 8270E SIM	1	06/18/2024 12:58	S7M	A
Benzo(k)fluoranthene	0.0063	P1,P2	mg/kg	0.0052	0.00093	SW846 8270E SIM	1	06/18/2024 12:58	S7M	A
Chrysene	0.017	P1,P2	mg/kg	0.0052	0.00093	SW846 8270E SIM	1	06/18/2024 12:58	S7M	A
Dibenzo(a,h)anthracene	0.0026J	J,P1,P2	mg/kg	0.0052	0.00072	SW846 8270E SIM	1	06/18/2024 12:58	S7M	A
Fluoranthene	0.023	P1,P2	mg/kg	0.0052	0.00093	SW846 8270E SIM	1	06/18/2024 12:58	S7M	A
Fluorene	0.39	P1,P2	mg/kg	0.0052	0.0010	SW846 8270E SIM	1	06/18/2024 12:58	S7M	A
Indeno(1,2,3-cd)pyrene	0.0056	P1,P2	mg/kg	0.0052	0.00083	SW846 8270E SIM	1	06/18/2024 12:58	S7M	A
Naphthalene	0.44	P1,P2	mg/kg	0.0052	0.0011	SW846 8270E SIM	1	06/18/2024 12:58	S7M	A
Phenanthrene	1.3	E,P1,P2	mg/kg	0.0052	0.0011	SW846 8270E SIM	1	06/18/2024 12:58	S7M	A
Pyrene	0.041	P1,P2	mg/kg	0.0052	0.00083	SW846 8270E SIM	1	06/18/2024 12:58	S7M	A

### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
2-Methylnaphthalene-d10	7297-45-2	80.3%	50 - 150	06/18/2024 12:58	
Fluoranthene-d10	93951-69-0	105%	50 - 150	06/18/2024 12:58	

### SEMIVOLATILES



## Results

Client Sample ID	SB-13 (8-10)	Collected	06/04/2024 12:15
Lab Sample ID	3363483017	Lab Receipt	06/08/2024 08:37

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1-Methylnaphthalene	1.1	P1,P2	mg/kg	0.10	0.018	SW846 8270E	1	06/17/2024 10:04	S7M	A
2-Methylnaphthalene	1.2	P1,P2	mg/kg	0.10	0.018	SW846 8270E	1	06/17/2024 10:04	S7M	A
Acenaphthene	0.018U	U,P1,P2	mg/kg	0.052	0.018	SW846 8270E	1	06/17/2024 10:04	S7M	A
Acenaphthylene	0.018U	U,9,P1,P2	mg/kg	0.052	0.018	SW846 8270E	1	06/17/2024 10:04	S7M	A
Anthracene	0.085	P1,P2	mg/kg	0.052	0.018	SW846 8270E	1	06/17/2024 10:04	S7M	A
Benzo(a)anthracene	0.018U	U,P1,P2	mg/kg	0.052	0.018	SW846 8270E	1	06/17/2024 10:04	S7M	A
Benzo(a)pyrene	0.018U	U,P1,P2	mg/kg	0.052	0.018	SW846 8270E	1	06/17/2024 10:04	S7M	A
Benzo(b)fluoranthene	0.018U	U,P1,P2	mg/kg	0.052	0.018	SW846 8270E	1	06/17/2024 10:04	S7M	A
Benzo(g,h,i)perylene	0.019J	J,P1,P2	mg/kg	0.052	0.018	SW846 8270E	1	06/17/2024 10:04	S7M	A
Benzo(k)fluoranthene	0.018U	U,P1,P2	mg/kg	0.052	0.018	SW846 8270E	1	06/17/2024 10:04	S7M	A
Carbazole	0.018U	U,P1,P2	mg/kg	0.10	0.018	SW846 8270E	1	06/17/2024 10:04	S7M	A
Chrysene	0.018U	U,P1,P2	mg/kg	0.052	0.018	SW846 8270E	1	06/17/2024 10:04	S7M	A
Dibenzo(a,h)anthracene	0.018U	U,P1,P2	mg/kg	0.052	0.018	SW846 8270E	1	06/17/2024 10:04	S7M	A
Dibenzofuran	0.20	P1,P2	mg/kg	0.10	0.018	SW846 8270E	1	06/17/2024 10:04	S7M	A
Fluoranthene	0.018U	U,P1,P2	mg/kg	0.052	0.018	SW846 8270E	1	06/17/2024 10:04	S7M	A
Fluorene	0.018U	U,P1,P2	mg/kg	0.052	0.018	SW846 8270E	1	06/17/2024 10:04	S7M	A
Indeno(1,2,3-cd)pyrene	0.018U	U,P1,P2	mg/kg	0.052	0.018	SW846 8270E	1	06/17/2024 10:04	S7M	A
Naphthalene	0.48	P1,P2	mg/kg	0.052	0.018	SW846 8270E	1	06/17/2024 10:04	S7M	A
Phenanthrene	1.4	P1,P2	mg/kg	0.052	0.018	SW846 8270E	1	06/17/2024 10:04	S7M	A
Pyrene	0.048J	J,P1,P2	mg/kg	0.052	0.018	SW846 8270E	1	06/17/2024 10:04	S7M	A

### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
2,4,6-Tribromophenol	118-79-6	83%	19 - 132	06/17/2024 10:04	
2-Fluorobiphenyl	321-60-8	72.7%	40 - 110	06/17/2024 10:04	
2-Fluorophenol	367-12-4	72.6%	26 - 116	06/17/2024 10:04	
Nitrobenzene-d5	4165-60-0	76.9%	38 - 112	06/17/2024 10:04	
Phenol-d5	4165-62-2	79%	35 - 111	06/17/2024 10:04	
Terphenyl-d14	98904-43-9	93.8%	45 - 126	06/17/2024 10:04	

### VOLATILE ORGANICS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1-Trichloroethane	0.12U	U,P1,P2	mg/kg	0.54	0.12	SW846 8260D	500	06/14/2024 23:44	BST	A1
1,1,1,2-Tetrachloroethane	0.18U	U,P1,P2	mg/kg	0.54	0.18	SW846 8260D	500	06/14/2024 23:44	BST	A1
1,1,2-Trichloroethane	0.18U	U,P1,P2	mg/kg	0.54	0.18	SW846 8260D	500	06/14/2024 23:44	BST	A1
1,1-Dichloroethane	0.15U	U,P1,P2	mg/kg	0.54	0.15	SW846 8260D	500	06/14/2024 23:44	BST	A1
1,1-Dichloroethene	0.16U	U,P1,P2	mg/kg	0.54	0.16	SW846 8260D	500	06/14/2024 23:44	BST	A1
1,1-Dichloropropene	0.15U	U,P1,P2	mg/kg	0.54	0.15	SW846 8260D	500	06/14/2024 23:44	BST	A1
1,2,3-Trichlorobenzene	0.51U	U,P1,P2	mg/kg	1.1	0.51	SW846 8260D	500	06/14/2024 23:44	BST	A1
1,2,3-Trichloropropane	0.33U	U,P1,P2	mg/kg	1.1	0.33	SW846 8260D	500	06/14/2024 23:44	BST	A1
1,2,4-Trichlorobenzene	0.45U	U,P1,P2	mg/kg	1.1	0.45	SW846 8260D	500	06/14/2024 23:44	BST	A1
1,2,4-Trimethylbenzene	0.81	P1,P2	mg/kg	0.54	0.14	SW846 8260D	500	06/14/2024 23:44	BST	A1
1,2-Dibromo-3-chloropropane	0.81U	U,P1,P2	mg/kg	3.8	0.81	SW846 8260D	500	06/14/2024 23:44	BST	A1
1,2-Dibromoethane	0.15U	U,P1,P2	mg/kg	0.54	0.15	SW846 8260D	500	06/14/2024 23:44	BST	A1
1,2-Dichlorobenzene	0.21U	U,P1,P2	mg/kg	0.54	0.21	SW846 8260D	500	06/14/2024 23:44	BST	A1
1,2-Dichloroethane	0.17U	U,P1,P2	mg/kg	0.54	0.17	SW846 8260D	500	06/14/2024 23:44	BST	A1
1,2-Dichloropropane	0.13U	U,P1,P2	mg/kg	0.54	0.13	SW846 8260D	500	06/14/2024 23:44	BST	A1



**Results**

Client Sample ID SB-13 (8-10) Collected 06/04/2024 12:15  
 Lab Sample ID 3363483017 Lab Receipt 06/08/2024 08:37

**VOLATILE ORGANICS (cont.)**

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,3,5-Trimethylbenzene	0.92	P1,P2	mg/kg	0.54	0.11	SW846 8260D	500	06/14/2024 23:44	BST	A1
1,3-Dichlorobenzene	0.14U	U,P1,P2	mg/kg	0.54	0.14	SW846 8260D	500	06/14/2024 23:44	BST	A1
1,3-Dichloropropane	0.15U	U,P1,P2	mg/kg	0.54	0.15	SW846 8260D	500	06/14/2024 23:44	BST	A1
1,4-Dichlorobenzene	0.15U	U,P1,P2	mg/kg	0.54	0.15	SW846 8260D	500	06/14/2024 23:44	BST	A1
2,2-Dichloropropane	0.17U	U,P1,P2	mg/kg	0.54	0.17	SW846 8260D	500	06/14/2024 23:44	BST	A1
2-Butanone	0.98U	U,P1,P2	mg/kg	5.4	0.98	SW846 8260D	500	06/14/2024 23:44	BST	A1
2-Hexanone	0.71U	U,P1,P2	mg/kg	2.7	0.71	SW846 8260D	500	06/14/2024 23:44	BST	A1
4-Methyl-2-Pentanone(MIBK)	0.81U	U,P1,P2	mg/kg	2.7	0.81	SW846 8260D	500	06/14/2024 23:44	BST	A1
Acetone	1.7U	U,P1,P2	mg/kg	5.4	1.7	SW846 8260D	500	06/14/2024 23:44	BST	A1
Benzene	0.12U	U,P1,P2	mg/kg	0.54	0.12	SW846 8260D	500	06/14/2024 23:44	BST	A1
Bromobenzene	0.17U	U,P1,P2	mg/kg	0.54	0.17	SW846 8260D	500	06/14/2024 23:44	BST	A1
Bromochloromethane	0.17U	U,P1,P2	mg/kg	0.54	0.17	SW846 8260D	500	06/14/2024 23:44	BST	A1
Bromodichloromethane	0.15U	U,P1,P2	mg/kg	0.54	0.15	SW846 8260D	500	06/14/2024 23:44	BST	A1
Bromoform	0.22U	U,P1,P2	mg/kg	0.54	0.22	SW846 8260D	500	06/14/2024 23:44	BST	A1
Bromomethane	0.21U	U,11,P1,P2	mg/kg	0.54	0.21	SW846 8260D	500	06/14/2024 23:44	BST	A1
Carbon Disulfide	0.12U	U,P1,P2	mg/kg	0.54	0.12	SW846 8260D	500	06/14/2024 23:44	BST	A1
Carbon Tetrachloride	0.17U	U,P1,P2	mg/kg	0.54	0.17	SW846 8260D	500	06/14/2024 23:44	BST	A1
Chlorobenzene	0.10U	U,P1,P2	mg/kg	0.54	0.10	SW846 8260D	500	06/14/2024 23:44	BST	A1
Chlorodibromomethane	0.24U	U,P1,P2	mg/kg	0.54	0.24	SW846 8260D	500	06/14/2024 23:44	BST	A1
Chloroethane	0.18U	U,P1,P2	mg/kg	0.54	0.18	SW846 8260D	500	06/14/2024 23:44	BST	A1
Chloroform	0.11U	U,P1,P2	mg/kg	0.54	0.11	SW846 8260D	500	06/14/2024 23:44	BST	A1
Chloromethane	0.17U	U,P1,P2	mg/kg	0.54	0.17	SW846 8260D	500	06/14/2024 23:44	BST	A1
cis-1,2-Dichloroethene	0.17U	U,P1,P2	mg/kg	0.54	0.17	SW846 8260D	500	06/14/2024 23:44	BST	A1
cis-1,3-Dichloropropene	0.17U	U,P1,P2	mg/kg	0.54	0.17	SW846 8260D	500	06/14/2024 23:44	BST	A1
Dibromomethane	0.17U	U,P1,P2	mg/kg	0.54	0.17	SW846 8260D	500	06/14/2024 23:44	BST	A1
Dichlorodifluoromethane	0.18U	U,P1,P2	mg/kg	0.54	0.18	SW846 8260D	500	06/14/2024 23:44	BST	A1
Ethylbenzene	4.5	P1,P2	mg/kg	0.54	0.18	SW846 8260D	500	06/14/2024 23:44	BST	A1
Freon 113	0.14U	U,P1,P2	mg/kg	0.54	0.14	SW846 8260D	500	06/14/2024 23:44	BST	A1
Hexachlorobutadiene	0.54U	U,P1,P2	mg/kg	2.7	0.54	SW846 8260D	500	06/14/2024 23:44	BST	A1
Isopropylbenzene	3.6	P1,P2	mg/kg	0.54	0.12	SW846 8260D	500	06/14/2024 23:44	BST	A1
Methyl t-Butyl Ether	0.18U	U,P1,P2	mg/kg	0.54	0.18	SW846 8260D	500	06/14/2024 23:44	BST	A1
Methylene Chloride	0.24U	U,P1,P2	mg/kg	0.54	0.24	SW846 8260D	500	06/14/2024 23:44	BST	A1
mp-Xylene	1.2	P1,P2	mg/kg	1.1	0.28	SW846 8260D	500	06/14/2024 23:44	BST	A1
Naphthalene	8.2	P1,P2	mg/kg	1.1	0.18	SW846 8260D	500	06/14/2024 23:44	BST	A1
n-Butylbenzene	4.5	P1,P2	mg/kg	1.1	0.33	SW846 8260D	500	06/14/2024 23:44	BST	A1
n-Propylbenzene	6.4	P1,P2	mg/kg	0.54	0.18	SW846 8260D	500	06/14/2024 23:44	BST	A1
o-Chlorotoluene	0.14U	U,P1,P2	mg/kg	0.54	0.14	SW846 8260D	500	06/14/2024 23:44	BST	A1
o-Xylene	0.18U	U,P1,P2	mg/kg	0.54	0.18	SW846 8260D	500	06/14/2024 23:44	BST	A1
p-Chlorotoluene	0.18U	U,P1,P2	mg/kg	0.54	0.18	SW846 8260D	500	06/14/2024 23:44	BST	A1
p-Isopropyltoluene	2.6	P1,P2	mg/kg	0.54	0.17	SW846 8260D	500	06/14/2024 23:44	BST	A1
sec-Butylbenzene	2.1	P1,P2	mg/kg	0.54	0.17	SW846 8260D	500	06/14/2024 23:44	BST	A1
Styrene	0.13U	U,P1,P2	mg/kg	0.54	0.13	SW846 8260D	500	06/14/2024 23:44	BST	A1
tert-Butylbenzene	0.24U	U,P1,P2	mg/kg	1.1	0.24	SW846 8260D	500	06/14/2024 23:44	BST	A1
Tetrachloroethene	0.19U	U,P1,P2	mg/kg	0.54	0.19	SW846 8260D	500	06/14/2024 23:44	BST	A1
Toluene	0.12U	U,P1,P2	mg/kg	0.54	0.12	SW846 8260D	500	06/14/2024 23:44	BST	A1
Total Xylenes	1.2J	J,P1,P2	mg/kg	1.6	0.36	SW846 8260D	500	06/14/2024 23:44	BST	A1
trans-1,2-Dichloroethene	0.14U	U,P1,P2	mg/kg	0.54	0.14	SW846 8260D	500	06/14/2024 23:44	BST	A1

DRAFT





## Results

Client Sample ID	SB-13 (8-10)	Collected	06/04/2024 12:15
Lab Sample ID	3363483017	Lab Receipt	06/08/2024 08:37

### VOLATILE ORGANICS (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
trans-1,3-Dichloropropene	0.16U	U,P1,P2	mg/kg	0.54	0.16	SW846 8260D	500	06/14/2024 23:44	BST	A1
Trichloroethene	0.18U	U,P1,P2	mg/kg	0.54	0.18	SW846 8260D	500	06/14/2024 23:44	BST	A1
Trichlorofluoromethane	0.13U	U,P1,P2	mg/kg	0.54	0.13	SW846 8260D	500	06/14/2024 23:44	BST	A1
Vinyl Chloride	0.16U	U,P1,P2	mg/kg	0.54	0.16	SW846 8260D	500	06/14/2024 23:44	BST	A1

### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	98.9%	71 - 146	06/14/2024 23:44	
4-Bromofluorobenzene	460-00-4	98.8%	46 - 138	06/14/2024 23:44	
Dibromofluoromethane	1868-53-7	81%	42 - 143	06/14/2024 23:44	
Toluene-d8	2037-26-5	97%	54 - 141	06/14/2024 23:44	

### WET CHEMISTRY

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Moisture	13.5	P1,P2	%	0.1	0.01	S2540G-11	1	06/11/2024 14:37	J1K	A
Total Solids	86.5	P1,P2	%	0.1	0.01	S2540G-11	1	06/11/2024 14:37	J1K	A

DRAFT



## Results

Client Sample ID	SB-13 (10-12)	Collected	06/04/2024 12:15
Lab Sample ID	3363483018	Lab Receipt	06/08/2024 08:37

### GASOLINE RANGE ORGANICS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Gasoline Range Organics	3.0J	J,P1,P2	mg/kg	11.3	1.9	SW846 8015D	100	06/15/2024 01:41	JTH	A1

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
a,a,a-Trifluorotoluene	98-08-8	98.4%	72 - 134	06/15/2024 01:41	

### SEMIVOLATILE SIM

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,4-Dioxane	0.0027U	U,P1,P2	mg/kg	0.0054	0.0027	SW846 8270E SIM	1	06/18/2024 13:26	S7M	A
1-Methylnaphthalene	0.16	P1,P2	mg/kg	0.0054	0.00097	SW846 8270E SIM	1	06/18/2024 13:26	S7M	A
2-Methylnaphthalene	0.20	P1,P2	mg/kg	0.0054	0.0014	SW846 8270E SIM	1	06/18/2024 13:26	S7M	A
Acenaphthene	0.00097U	U,P1,P2	mg/kg	0.0054	0.00097	SW846 8270E SIM	1	06/18/2024 13:26	S7M	A
Acenaphthylene	0.00097U	U,P1,P2	mg/kg	0.0054	0.00097	SW846 8270E SIM	1	06/18/2024 13:26	S7M	A
Anthracene	0.0059	P1,P2	mg/kg	0.0054	0.00086	SW846 8270E SIM	1	06/18/2024 13:26	S7M	A
Benzo(a)anthracene	0.010	P1,P2	mg/kg	0.0054	0.00086	SW846 8270E SIM	1	06/18/2024 13:26	S7M	A
Benzo(a)pyrene	0.012	P1,P2	mg/kg	0.0054	0.00086	SW846 8270E SIM	1	06/18/2024 13:26	S7M	A
Benzo(b)fluoranthene	0.023	P1,P2	mg/kg	0.0054	0.00086	SW846 8270E SIM	1	06/18/2024 13:26	S7M	A
Benzo(g,h,i)perylene	0.044	P1,P2	mg/kg	0.0054	0.0011	SW846 8270E SIM	1	06/18/2024 13:26	S7M	A
Benzo(k)fluoranthene	0.0083	P1,P2	mg/kg	0.0054	0.00097	SW846 8270E SIM	1	06/18/2024 13:26	S7M	A
Chrysene	0.029	P1,P2	mg/kg	0.0054	0.00097	SW846 8270E SIM	1	06/18/2024 13:26	S7M	A
Dibenzo(a,h)anthracene	0.0053J	J,P1,P2	mg/kg	0.0054	0.00076	SW846 8270E SIM	1	06/18/2024 13:26	S7M	A
Fluoranthene	0.021	P1,P2	mg/kg	0.0054	0.00097	SW846 8270E SIM	1	06/18/2024 13:26	S7M	A
Fluorene	0.019	P1,P2	mg/kg	0.0054	0.0011	SW846 8270E SIM	1	06/18/2024 13:26	S7M	A
Indeno(1,2,3-cd)pyrene	0.0097	P1,P2	mg/kg	0.0054	0.00086	SW846 8270E SIM	1	06/18/2024 13:26	S7M	A
Naphthalene	0.066	P1,P2	mg/kg	0.0054	0.0012	SW846 8270E SIM	1	06/18/2024 13:26	S7M	A
Phenanthrene	0.11	P1,P2	mg/kg	0.0054	0.0012	SW846 8270E SIM	1	06/18/2024 13:26	S7M	A
Pyrene	0.037	P1,P2	mg/kg	0.0054	0.00086	SW846 8270E SIM	1	06/18/2024 13:26	S7M	A

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
2-Methylnaphthalene-d10	7297-45-2	81.6%	50 - 150	06/18/2024 13:26	
Fluoranthene-d10	93951-69-0	89.5%	50 - 150	06/18/2024 13:26	

### SEMIVOLATILES



## Results

Client Sample ID	SB-13 (10-12)	Collected	06/04/2024 12:15
Lab Sample ID	3363483018	Lab Receipt	06/08/2024 08:37

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1-Methylnaphthalene	0.17	P1,P2	mg/kg	0.11	0.018	SW846 8270E	1	06/17/2024 10:29	S7M	A
2-Methylnaphthalene	0.22	P1,P2	mg/kg	0.11	0.018	SW846 8270E	1	06/17/2024 10:29	S7M	A
Acenaphthene	0.018U	U,P1,P2	mg/kg	0.054	0.018	SW846 8270E	1	06/17/2024 10:29	S7M	A
Acenaphthylene	0.018U	U,9,P1,P2	mg/kg	0.054	0.018	SW846 8270E	1	06/17/2024 10:29	S7M	A
Anthracene	0.018U	U,P1,P2	mg/kg	0.054	0.018	SW846 8270E	1	06/17/2024 10:29	S7M	A
Benzo(a)anthracene	0.018U	U,P1,P2	mg/kg	0.054	0.018	SW846 8270E	1	06/17/2024 10:29	S7M	A
Benzo(a)pyrene	0.018U	U,P1,P2	mg/kg	0.054	0.018	SW846 8270E	1	06/17/2024 10:29	S7M	A
Benzo(b)fluoranthene	0.026J	J,P1,P2	mg/kg	0.054	0.018	SW846 8270E	1	06/17/2024 10:29	S7M	A
Benzo(g,h,i)perylene	0.051J	J,P1,P2	mg/kg	0.054	0.018	SW846 8270E	1	06/17/2024 10:29	S7M	A
Benzo(k)fluoranthene	0.018U	U,P1,P2	mg/kg	0.054	0.018	SW846 8270E	1	06/17/2024 10:29	S7M	A
Carbazole	0.018U	U,P1,P2	mg/kg	0.11	0.018	SW846 8270E	1	06/17/2024 10:29	S7M	A
Chrysene	0.020J	J,P1,P2	mg/kg	0.054	0.018	SW846 8270E	1	06/17/2024 10:29	S7M	A
Dibenzo(a,h)anthracene	0.018U	U,P1,P2	mg/kg	0.054	0.018	SW846 8270E	1	06/17/2024 10:29	S7M	A
Dibenzofuran	0.040J	J,P1,P2	mg/kg	0.11	0.018	SW846 8270E	1	06/17/2024 10:29	S7M	A
Fluoranthene	0.024J	J,P1,P2	mg/kg	0.054	0.018	SW846 8270E	1	06/17/2024 10:29	S7M	A
Fluorene	0.021J	J,P1,P2	mg/kg	0.054	0.018	SW846 8270E	1	06/17/2024 10:29	S7M	A
Indeno(1,2,3-cd)pyrene	0.018U	U,P1,P2	mg/kg	0.054	0.018	SW846 8270E	1	06/17/2024 10:29	S7M	A
Naphthalene	0.072	P1,P2	mg/kg	0.054	0.018	SW846 8270E	1	06/17/2024 10:29	S7M	A
Phenanthrene	0.11	P1,P2	mg/kg	0.054	0.018	SW846 8270E	1	06/17/2024 10:29	S7M	A
Pyrene	0.040J	J,P1,P2	mg/kg	0.054	0.018	SW846 8270E	1	06/17/2024 10:29	S7M	A

### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
2,4,6-Tribromophenol	118-79-6	68.8%	19 - 132	06/17/2024 10:29	
2-Fluorobiphenyl	321-60-8	71.2%	40 - 110	06/17/2024 10:29	
2-Fluorophenol	367-12-4	68.6%	26 - 116	06/17/2024 10:29	
Nitrobenzene-d5	4165-60-0	74.2%	38 - 112	06/17/2024 10:29	
Phenol-d5	4165-62-2	73.1%	35 - 111	06/17/2024 10:29	
Terphenyl-d14	98904-43-9	90.4%	45 - 126	06/17/2024 10:29	

### VOLATILE ORGANICS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1-Trichloroethane	0.00070U	U,P1,P2	mg/kg	0.0022	0.00070	SW846 8260D	1	06/13/2024 02:41	PDK	A2
1,1,2,2-Tetrachloroethane	0.00063U	U,P1,P2	mg/kg	0.0022	0.00063	SW846 8260D	1	06/13/2024 02:41	PDK	A2
1,1,2-Trichloroethane	0.00063U	U,P1,P2	mg/kg	0.0022	0.00063	SW846 8260D	1	06/13/2024 02:41	PDK	A2
1,1-Dichloroethane	0.00056U	U,P1,P2	mg/kg	0.0022	0.00056	SW846 8260D	1	06/13/2024 02:41	PDK	A2
1,1-Dichloroethene	0.00058U	U,P1,P2	mg/kg	0.0022	0.00058	SW846 8260D	1	06/13/2024 02:41	PDK	A2
1,1-Dichloropropene	0.00056U	U,P1,P2	mg/kg	0.0022	0.00056	SW846 8260D	1	06/13/2024 02:41	PDK	A2
1,2,3-Trichlorobenzene	0.00056U	U,P1,P2	mg/kg	0.0056	0.00056	SW846 8260D	1	06/13/2024 02:41	PDK	A2
1,2,3-Trichloropropane	0.00056U	U,P1,P2	mg/kg	0.0022	0.00056	SW846 8260D	1	06/13/2024 02:41	PDK	A2
1,2,4-Trichlorobenzene	0.00056U	U,P1,P2	mg/kg	0.0056	0.00056	SW846 8260D	1	06/13/2024 02:41	PDK	A2
1,2,4-Trimethylbenzene	0.00056U	U,P1,P2	mg/kg	0.0022	0.00056	SW846 8260D	1	06/13/2024 02:41	PDK	A2
1,2-Dibromo-3-chloropropane	0.00028U	U,P1,P2	mg/kg	0.0022	0.00028	SW846 8260D	1	06/13/2024 02:41	PDK	A2
1,2-Dibromoethane	0.00061U	U,P1,P2	mg/kg	0.0022	0.00061	SW846 8260D	1	06/13/2024 02:41	PDK	A2
1,2-Dichlorobenzene	0.00056U	U,P1,P2	mg/kg	0.0022	0.00056	SW846 8260D	1	06/13/2024 02:41	PDK	A2
1,2-Dichloroethane	0.0025	P1,P2	mg/kg	0.0022	0.00056	SW846 8260D	1	06/13/2024 02:41	PDK	A2
1,2-Dichloropropane	0.00067U	U,P1,P2	mg/kg	0.0022	0.00067	SW846 8260D	1	06/13/2024 02:41	PDK	A2

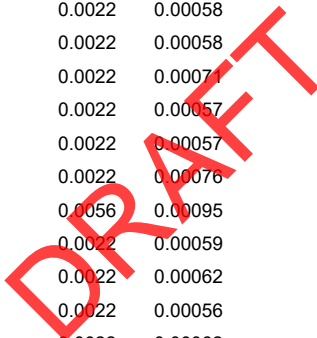


**Results**

Client Sample ID SB-13 (10-12) Collected 06/04/2024 12:15  
 Lab Sample ID 3363483018 Lab Receipt 06/08/2024 08:37

**VOLATILE ORGANICS (cont.)**

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,3,5-Trimethylbenzene	0.00056U	U,P1,P2	mg/kg	0.0022	0.00056	SW846 8260D	1	06/13/2024 02:41	PDK	A2
1,3-Dichlorobenzene	0.00056U	U,P1,P2	mg/kg	0.0022	0.00056	SW846 8260D	1	06/13/2024 02:41	PDK	A2
1,3-Dichloropropane	0.00093U	U,P1,P2	mg/kg	0.0022	0.00093	SW846 8260D	1	06/13/2024 02:41	PDK	A2
1,4-Dichlorobenzene	0.00056U	U,P1,P2	mg/kg	0.0022	0.00056	SW846 8260D	1	06/13/2024 02:41	PDK	A2
2,2-Dichloropropane	0.00056U	U,P1,P2	mg/kg	0.0022	0.00056	SW846 8260D	1	06/13/2024 02:41	PDK	A2
2-Butanone	0.0036U	U,P1,P2	mg/kg	0.011	0.0036	SW846 8260D	1	06/13/2024 02:41	PDK	A2
2-Hexanone	0.0031U	U,P1,P2	mg/kg	0.011	0.0031	SW846 8260D	1	06/13/2024 02:41	PDK	A2
4-Methyl-2-Pentanone(MIBK)	0.0043U	U,P1,P2	mg/kg	0.011	0.0043	SW846 8260D	1	06/13/2024 02:41	PDK	A2
Acetone	0.015	P1,P2	mg/kg	0.011	0.0052	SW846 8260D	1	06/13/2024 02:41	PDK	A2
Benzene	0.00079J	J,P1,P2	mg/kg	0.0022	0.00056	SW846 8260D	1	06/13/2024 02:41	PDK	A2
Bromobenzene	0.00056U	U,P1,P2	mg/kg	0.0022	0.00056	SW846 8260D	1	06/13/2024 02:41	PDK	A2
Bromochloromethane	0.00056U	U,P1,P2	mg/kg	0.0022	0.00056	SW846 8260D	1	06/13/2024 02:41	PDK	A2
Bromodichloromethane	0.00080U	U,P1,P2	mg/kg	0.0022	0.00080	SW846 8260D	1	06/13/2024 02:41	PDK	A2
Bromoform	0.00058U	U,P1,P2	mg/kg	0.0022	0.00058	SW846 8260D	1	06/13/2024 02:41	PDK	A2
Bromomethane	0.00087J	J,P1,P2	mg/kg	0.0022	0.00058	SW846 8260D	1	06/13/2024 02:41	PDK	A2
Carbon Disulfide	0.00071U	U,P1,P2	mg/kg	0.0022	0.00071	SW846 8260D	1	06/13/2024 02:41	PDK	A2
Carbon Tetrachloride	0.00057U	U,P1,P2	mg/kg	0.0022	0.00057	SW846 8260D	1	06/13/2024 02:41	PDK	A2
Chlorobenzene	0.00057U	U,P1,P2	mg/kg	0.0022	0.00057	SW846 8260D	1	06/13/2024 02:41	PDK	A2
Chlorodibromomethane	0.00076U	U,P1,P2	mg/kg	0.0022	0.00076	SW846 8260D	1	06/13/2024 02:41	PDK	A2
Chloroethane	0.00095U	U,P1,P2	mg/kg	0.0056	0.00095	SW846 8260D	1	06/13/2024 02:41	PDK	A2
Chloroform	0.00059U	U,P1,P2	mg/kg	0.0022	0.00059	SW846 8260D	1	06/13/2024 02:41	PDK	A2
Chloromethane	0.00062U	U,P1,P2	mg/kg	0.0022	0.00062	SW846 8260D	1	06/13/2024 02:41	PDK	A2
cis-1,2-Dichloroethene	0.00056U	U,P1,P2	mg/kg	0.0022	0.00056	SW846 8260D	1	06/13/2024 02:41	PDK	A2
cis-1,3-Dichloropropene	0.00062U	U,P1,P2	mg/kg	0.0022	0.00062	SW846 8260D	1	06/13/2024 02:41	PDK	A2
Dibromomethane	0.00081U	U,P1,P2	mg/kg	0.0022	0.00081	SW846 8260D	1	06/13/2024 02:41	PDK	A2
Dichlorodifluoromethane	0.00075U	U,P1,P2	mg/kg	0.0022	0.00075	SW846 8260D	1	06/13/2024 02:41	PDK	A2
Ethylbenzene	0.00076U	U,P1,P2	mg/kg	0.0022	0.00076	SW846 8260D	1	06/13/2024 02:41	PDK	A2
Freon 113	0.00056U	U,10,P1,P2	mg/kg	0.0022	0.00056	SW846 8260D	1	06/13/2024 02:41	PDK	A2
Hexachlorobutadiene	0.00056U	U,P1,P2	mg/kg	0.0056	0.00056	SW846 8260D	1	06/13/2024 02:41	PDK	A2
Isopropylbenzene	0.00068U	U,P1,P2	mg/kg	0.0022	0.00068	SW846 8260D	1	06/13/2024 02:41	PDK	A2
Methyl t-Butyl Ether	0.00056U	U,P1,P2	mg/kg	0.0022	0.00056	SW846 8260D	1	06/13/2024 02:41	PDK	A2
Methylene Chloride	0.0023	P1,P2	mg/kg	0.0022	0.00087	SW846 8260D	1	06/13/2024 02:41	PDK	A2
mp-Xylene	0.00093U	U,P1,P2	mg/kg	0.0045	0.00093	SW846 8260D	1	06/13/2024 02:41	PDK	A2
Naphthalene	0.0016J	J,P1,P2	mg/kg	0.0022	0.00056	SW846 8260D	1	06/13/2024 02:41	PDK	A2
n-Butylbenzene	0.00056U	U,P1,P2	mg/kg	0.0022	0.00056	SW846 8260D	1	06/13/2024 02:41	PDK	A2
n-Propylbenzene	0.00056U	U,P1,P2	mg/kg	0.0022	0.00056	SW846 8260D	1	06/13/2024 02:41	PDK	A2
o-Chlorotoluene	0.00056U	U,P1,P2	mg/kg	0.0022	0.00056	SW846 8260D	1	06/13/2024 02:41	PDK	A2
o-Xylene	0.00065U	U,P1,P2	mg/kg	0.0022	0.00065	SW846 8260D	1	06/13/2024 02:41	PDK	A2
p-Chlorotoluene	0.00056U	U,P1,P2	mg/kg	0.0022	0.00056	SW846 8260D	1	06/13/2024 02:41	PDK	A2
p-Isopropyltoluene	0.00056U	U,P1,P2	mg/kg	0.0022	0.00056	SW846 8260D	1	06/13/2024 02:41	PDK	A2
sec-Butylbenzene	0.00056U	U,P1,P2	mg/kg	0.0022	0.00056	SW846 8260D	1	06/13/2024 02:41	PDK	A2
Styrene	0.00056U	U,P1,P2	mg/kg	0.0022	0.00056	SW846 8260D	1	06/13/2024 02:41	PDK	A2
tert-Butylbenzene	0.00062U	U,P1,P2	mg/kg	0.0022	0.00062	SW846 8260D	1	06/13/2024 02:41	PDK	A2
Tetrachloroethene	0.00067U	U,P1,P2	mg/kg	0.0022	0.00067	SW846 8260D	1	06/13/2024 02:41	PDK	A2
Toluene	0.00075U	U,P1,P2	mg/kg	0.0022	0.00075	SW846 8260D	1	06/13/2024 02:41	PDK	A2
Total Xylenes	0.0016U	U,P1,P2	mg/kg	0.0067	0.0016	SW846 8260D	1	06/13/2024 02:41	PDK	A2
trans-1,2-Dichloroethene	0.00058U	U,P1,P2	mg/kg	0.0022	0.00058	SW846 8260D	1	06/13/2024 02:41	PDK	A2





## Results

Client Sample ID	SB-13 (10-12)	Collected	06/04/2024 12:15
Lab Sample ID	3363483018	Lab Receipt	06/08/2024 08:37

### VOLATILE ORGANICS (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
trans-1,3-Dichloropropene	0.00065U	U,P1,P2	mg/kg	0.0022	0.00065	SW846 8260D	1	06/13/2024 02:41	PDK	A2
Trichloroethene	0.00056U	U,P1,P2	mg/kg	0.0022	0.00056	SW846 8260D	1	06/13/2024 02:41	PDK	A2
Trichlorofluoromethane	0.00056U	U,P1,P2	mg/kg	0.0022	0.00056	SW846 8260D	1	06/13/2024 02:41	PDK	A2
Vinyl Chloride	0.00056U	U,P1,P2	mg/kg	0.0022	0.00056	SW846 8260D	1	06/13/2024 02:41	PDK	A2

### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	111%	56 – 124	06/13/2024 02:41	
4-Bromofluorobenzene	460-00-4	101%	51 – 128	06/13/2024 02:41	
Dibromofluoromethane	1868-53-7	103%	62 – 123	06/13/2024 02:41	
Toluene-d8	2037-26-5	98.7%	59 – 131	06/13/2024 02:41	

### WET CHEMISTRY

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Moisture	11.0	P1,P2	%	0.1	0.01	S2540G-11	1	06/11/2024 14:37	J1K	A
Total Solids	89.0	P1,P2	%	0.1	0.01	S2540G-11	1	06/11/2024 14:37	J1K	A

DRAFT



## Results

Client Sample ID	HA-02 (0-2)	Collected	06/04/2024 13:10
Lab Sample ID	3363483019	Lab Receipt	06/08/2024 08:37

### PETROLEUM HC's

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Diesel Range Organics C10-C28	352	P1,P2,S 7	mg/kg	54.5	14.9	SW846 8015D	4	06/17/2024 23:22	DXL	A

### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
o-Terphenyl	84-15-1	84.8%	36 - 122	06/17/2024 23:22	

### WET CHEMISTRY

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Moisture	23.2	P1,P2,S 7	%	0.1	0.01	S2540G-11	1	06/11/2024 14:37	J1K	A
Total Solids	76.8	P1,P2,S 7	%	0.1	0.01	S2540G-11	1	06/11/2024 14:37	J1K	A

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## Results

Client Sample ID	MW-06 (4-6)	Collected	06/04/2024 13:55
Lab Sample ID	3363483020	Lab Receipt	06/08/2024 08:37

### GASOLINE RANGE ORGANICS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Gasoline Range Organics	359	P1,P2,S8	mg/kg	11.5	2.0	SW846 8015D	100	06/15/2024 02:06	JTH	A1

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
a,a,a-Trifluorotoluene	98-08-8	109%	72 - 134	06/15/2024 02:06	

### PETROLEUM HC's

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Diesel Range Organics C10-C28	614	P1,P2,S8	mg/kg	60.4	16.5	SW846 8015D	5	06/17/2024 23:54	DXL	A

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
o-Terphenyl	84-15-1	108%	36 - 122	06/17/2024 23:54	

### SEMIVOLATILE SIM

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,4-Dioxane	0.0029U	U,P1,P2,S8	mg/kg	0.0059	0.0029	SW846 8270E SIM	1	06/18/2024 13:55	S7M	A
1-Methylnaphthalene	0.57	P1,P2,S8	mg/kg	0.0059	0.0011	SW846 8270E SIM	1	06/18/2024 13:55	S7M	A
2-Methylnaphthalene	0.47	P1,P2,S8	mg/kg	0.0059	0.0015	SW846 8270E SIM	1	06/18/2024 13:55	S7M	A
Acenaphthene	0.060	P1,P2,S8	mg/kg	0.0059	0.0011	SW846 8270E SIM	1	06/18/2024 13:55	S7M	A
Acenaphthylene	0.0011U	U,P1,P2,S8	mg/kg	0.0059	0.0011	SW846 8270E SIM	1	06/18/2024 13:55	S7M	A
Anthracene	0.044	P1,P2,S8	mg/kg	0.0059	0.00094	SW846 8270E SIM	1	06/18/2024 13:55	S7M	A
Benzo(a)anthracene	0.0050J	J,P1,P2,S8	mg/kg	0.0059	0.00094	SW846 8270E SIM	1	06/18/2024 13:55	S7M	A
Benzo(a)pyrene	0.0037J	J,P1,P2,S8	mg/kg	0.0059	0.00094	SW846 8270E SIM	1	06/18/2024 13:55	S7M	A
Benzo(b)fluoranthene	0.0066	P1,P2,S8	mg/kg	0.0059	0.00094	SW846 8270E SIM	1	06/18/2024 13:55	S7M	A
Benzo(g,h,i)perylene	0.0057J	J,P1,P2,S8	mg/kg	0.0059	0.0012	SW846 8270E SIM	1	06/18/2024 13:55	S7M	A
Benzo(k)fluoranthene	0.0046J	J,P1,P2,S8	mg/kg	0.0059	0.0011	SW846 8270E SIM	1	06/18/2024 13:55	S7M	A
Chrysene	0.0097	P1,P2,S8	mg/kg	0.0059	0.0011	SW846 8270E SIM	1	06/18/2024 13:55	S7M	A
Dibenzo(a,h)anthracene	0.00082U	U,P1,P2,S8	mg/kg	0.0059	0.00082	SW846 8270E SIM	1	06/18/2024 13:55	S7M	A
Fluoranthene	0.0011U	U,P1,P2,S8	mg/kg	0.0059	0.0011	SW846 8270E SIM	1	06/18/2024 13:55	S7M	A
Fluorene	0.15	P1,P2,S8	mg/kg	0.0059	0.0012	SW846 8270E SIM	1	06/18/2024 13:55	S7M	A
Indeno(1,2,3-cd)pyrene	0.0038J	J,P1,P2,S8	mg/kg	0.0059	0.00094	SW846 8270E SIM	1	06/18/2024 13:55	S7M	A
Naphthalene	0.24	P1,P2,S8	mg/kg	0.0059	0.0013	SW846 8270E SIM	1	06/18/2024 13:55	S7M	A
Phenanthrene	0.48	P1,P2,S8	mg/kg	0.0059	0.0013	SW846 8270E SIM	1	06/18/2024 13:55	S7M	A



## Results

Client Sample ID	MW-06 (4-6)	Collected	06/04/2024 13:55
Lab Sample ID	3363483020	Lab Receipt	06/08/2024 08:37

### SEMIVOLATILE SIM (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Pyrene	0.028	P1,P2,S8	mg/kg	0.0059	0.00094	SW846 8270E SIM	1	06/18/2024 13:55	S7M	A

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
2-Methylnaphthalene-d10	7297-45-2	77.3%	50 - 150	06/18/2024 13:55	
Fluoranthene-d10	93951-69-0	84.4%	50 - 150	06/18/2024 13:55	

### SEMIVOLATILES

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1-Methylnaphthalene	0.64	P1,P2,S8	mg/kg	0.12	0.020	SW846 8270E	1	06/17/2024 11:45	S7M	A
2-Methylnaphthalene	0.51	P1,P2,S8	mg/kg	0.12	0.020	SW846 8270E	1	06/17/2024 11:45	S7M	A
Acenaphthene	0.020U	U,P1,P2,S8	mg/kg	0.059	0.020	SW846 8270E	1	06/17/2024 11:45	S7M	A
Acenaphthylene	0.020U	U,9,P1,P2,S8	mg/kg	0.059	0.020	SW846 8270E	1	06/17/2024 11:45	S7M	A
Anthracene	0.036J	J,P1,P2,S8	mg/kg	0.059	0.020	SW846 8270E	1	06/17/2024 11:45	S7M	A
Benzo(a)anthracene	0.020U	U,P1,P2,S8	mg/kg	0.059	0.020	SW846 8270E	1	06/17/2024 11:45	S7M	A
Benzo(a)pyrene	0.020U	U,P1,P2,S8	mg/kg	0.059	0.020	SW846 8270E	1	06/17/2024 11:45	S7M	A
Benzo(b)fluoranthene	0.020U	U,P1,P2,S8	mg/kg	0.059	0.020	SW846 8270E	1	06/17/2024 11:45	S7M	A
Benzo(g,h,i)perylene	0.020U	U,P1,P2,S8	mg/kg	0.059	0.020	SW846 8270E	1	06/17/2024 11:45	S7M	A
Benzo(k)fluoranthene	0.020U	U,P1,P2,S8	mg/kg	0.059	0.020	SW846 8270E	1	06/17/2024 11:45	S7M	A
Carbazole	0.020U	U,P1,P2,S8	mg/kg	0.12	0.020	SW846 8270E	1	06/17/2024 11:45	S7M	A
Chrysene	0.020U	U,P1,P2,S8	mg/kg	0.059	0.020	SW846 8270E	1	06/17/2024 11:45	S7M	A
Dibenzo(a,h)anthracene	0.020U	U,P1,P2,S8	mg/kg	0.059	0.020	SW846 8270E	1	06/17/2024 11:45	S7M	A
Dibenzofuran	0.11J	J,P1,P2,S8	mg/kg	0.12	0.020	SW846 8270E	1	06/17/2024 11:45	S7M	A
Fluoranthene	0.020U	U,P1,P2,S8	mg/kg	0.059	0.020	SW846 8270E	1	06/17/2024 11:45	S7M	A
Fluorene	0.020U	U,P1,P2,S8	mg/kg	0.059	0.020	SW846 8270E	1	06/17/2024 11:45	S7M	A
Indeno(1,2,3-cd)pyrene	0.020U	U,P1,P2,S8	mg/kg	0.059	0.020	SW846 8270E	1	06/17/2024 11:45	S7M	A
Naphthalene	0.25	P1,P2,S8	mg/kg	0.059	0.020	SW846 8270E	1	06/17/2024 11:45	S7M	A
Phenanthrene	0.53	P1,P2,S8	mg/kg	0.059	0.020	SW846 8270E	1	06/17/2024 11:45	S7M	A
Pyrene	0.033J	J,P1,P2,S8	mg/kg	0.059	0.020	SW846 8270E	1	06/17/2024 11:45	S7M	A

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## Results

Client Sample ID	MW-06 (4-6)	Collected	06/04/2024 13:55
Lab Sample ID	3363483020	Lab Receipt	06/08/2024 08:37

### SEMIVOLATILES (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
<i>SURROGATES</i>										
Compound	CAS No			Recovery		Limits(%)		Analysis Date/Time		Qualifiers
2,4,6-Tribromophenol	118-79-6			69.8%		19 - 132		06/17/2024 11:45		
2-Fluorobiphenyl	321-60-8			64.6%		40 - 110		06/17/2024 11:45		
2-Fluorophenol	367-12-4			67%		26 - 116		06/17/2024 11:45		
Nitrobenzene-d5	4165-60-0			70.8%		38 - 112		06/17/2024 11:45		
Phenol-d5	4165-62-2			71.3%		35 - 111		06/17/2024 11:45		
Terphenyl-d14	98904-43-9			83.8%		45 - 126		06/17/2024 11:45		

### VOLATILE ORGANICS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1-Trichloroethane	0.013U	U,P1,P2,S8	mg/kg	0.058	0.013	SW846 8260D	50	06/14/2024 22:02	BST	A1
1,1,2,2-Tetrachloroethane	0.020U	U,P1,P2,S8	mg/kg	0.058	0.020	SW846 8260D	50	06/14/2024 22:02	BST	A1
1,1,2-Trichloroethane	0.019U	U,P1,P2,S8	mg/kg	0.058	0.019	SW846 8260D	50	06/14/2024 22:02	BST	A1
1,1-Dichloroethane	0.016U	U,P1,P2,S8	mg/kg	0.058	0.016	SW846 8260D	50	06/14/2024 22:02	BST	A1
1,1-Dichloroethene	0.017U	U,P1,P2,S8	mg/kg	0.058	0.017	SW846 8260D	50	06/14/2024 22:02	BST	A1
1,1-Dichloropropene	0.016U	U,P1,P2,S8	mg/kg	0.058	0.016	SW846 8260D	50	06/14/2024 22:02	BST	A1
1,2,3-Trichlorobenzene	0.054U	U,P1,P2,S8	mg/kg	0.12	0.054	SW846 8260D	50	06/14/2024 22:02	BST	A1
1,2,3-Trichloropropane	0.035U	U,P1,P2,S8	mg/kg	0.12	0.035	SW846 8260D	50	06/14/2024 22:02	BST	A1
1,2,4-Trichlorobenzene	0.047U	U,P1,P2,S8	mg/kg	0.12	0.047	SW846 8260D	50	06/14/2024 22:02	BST	A1
1,2,4-Trimethylbenzene	0.21	P1,P2,S8	mg/kg	0.058	0.014	SW846 8260D	50	06/14/2024 22:02	BST	A1
1,2-Dibromo-3-chloropropane	0.087U	U,P1,P2,S8	mg/kg	0.40	0.087	SW846 8260D	50	06/14/2024 22:02	BST	A1
1,2-Dibromoethane	0.016U	U,P1,P2,S8	mg/kg	0.058	0.016	SW846 8260D	50	06/14/2024 22:02	BST	A1
1,2-Dichlorobenzene	0.022U	U,P1,P2,S8	mg/kg	0.058	0.022	SW846 8260D	50	06/14/2024 22:02	BST	A1
1,2-Dichloroethane	0.018U	U,P1,P2,S8	mg/kg	0.058	0.018	SW846 8260D	50	06/14/2024 22:02	BST	A1
1,2-Dichloropropane	0.014U	U,P1,P2,S8	mg/kg	0.058	0.014	SW846 8260D	50	06/14/2024 22:02	BST	A1
1,3,5-Trimethylbenzene	0.084	P1,P2,S8	mg/kg	0.058	0.012	SW846 8260D	50	06/14/2024 22:02	BST	A1
1,3-Dichlorobenzene	0.014U	U,P1,P2,S8	mg/kg	0.058	0.014	SW846 8260D	50	06/14/2024 22:02	BST	A1
1,3-Dichloropropane	0.016U	U,P1,P2,S8	mg/kg	0.058	0.016	SW846 8260D	50	06/14/2024 22:02	BST	A1
1,4-Dichlorobenzene	0.016U	U,P1,P2,S8	mg/kg	0.058	0.016	SW846 8260D	50	06/14/2024 22:02	BST	A1
2,2-Dichloropropane	0.018U	U,P1,P2,S8	mg/kg	0.058	0.018	SW846 8260D	50	06/14/2024 22:02	BST	A1
2-Butanone	0.10U	U,P1,P2,S8	mg/kg	0.58	0.10	SW846 8260D	50	06/14/2024 22:02	BST	A1
2-Hexanone	0.075U	U,P1,P2,S8	mg/kg	0.29	0.075	SW846 8260D	50	06/14/2024 22:02	BST	A1
4-Methyl-2-Pentanone(MIBK)	0.087U	U,P1,P2,S8	mg/kg	0.29	0.087	SW846 8260D	50	06/14/2024 22:02	BST	A1
Acetone	0.18U	U,P1,P2,S8	mg/kg	0.58	0.18	SW846 8260D	50	06/14/2024 22:02	BST	A1
Benzene	0.013U	U,P1,P2,S8	mg/kg	0.058	0.013	SW846 8260D	50	06/14/2024 22:02	BST	A1



**Results**

Client Sample ID MW-06 (4-6) Collected 06/04/2024 13:55  
 Lab Sample ID 3363483020 Lab Receipt 06/08/2024 08:37

**VOLATILE ORGANICS (cont.)**

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Bromobenzene	0.018U	U,P1,P2,S8	mg/kg	0.058	0.018	SW846 8260D	50	06/14/2024 22:02	BST	A1
Bromochloromethane	0.018U	U,P1,P2,S8	mg/kg	0.058	0.018	SW846 8260D	50	06/14/2024 22:02	BST	A1
Bromodichloromethane	0.016U	U,P1,P2,S8	mg/kg	0.058	0.016	SW846 8260D	50	06/14/2024 22:02	BST	A1
Bromoform	0.023U	U,P1,P2,S8	mg/kg	0.058	0.023	SW846 8260D	50	06/14/2024 22:02	BST	A1
Bromomethane	0.023U	U,11,P1,P2,S8	mg/kg	0.058	0.023	SW846 8260D	50	06/14/2024 22:02	BST	A1
Carbon Disulfide	0.013U	U,P1,P2,S8	mg/kg	0.058	0.013	SW846 8260D	50	06/14/2024 22:02	BST	A1
Carbon Tetrachloride	0.018U	U,P1,P2,S8	mg/kg	0.058	0.018	SW846 8260D	50	06/14/2024 22:02	BST	A1
Chlorobenzene	0.011U	U,P1,P2,S8	mg/kg	0.058	0.011	SW846 8260D	50	06/14/2024 22:02	BST	A1
Chlorodibromomethane	0.026U	U,P1,P2,S8	mg/kg	0.058	0.026	SW846 8260D	50	06/14/2024 22:02	BST	A1
Chloroethane	0.019U	U,P1,P2,S8	mg/kg	0.058	0.019	SW846 8260D	50	06/14/2024 22:02	BST	A1
Chloroform	0.012U	U,P1,P2,S8	mg/kg	0.058	0.012	SW846 8260D	50	06/14/2024 22:02	BST	A1
Chloromethane	0.018U	U,P1,P2,S8	mg/kg	0.058	0.018	SW846 8260D	50	06/14/2024 22:02	BST	A1
cis-1,2-Dichloroethene	0.018U	U,P1,P2,S8	mg/kg	0.058	0.018	SW846 8260D	50	06/14/2024 22:02	BST	A1
cis-1,3-Dichloropropene	0.018U	U,P1,P2,S8	mg/kg	0.058	0.018	SW846 8260D	50	06/14/2024 22:02	BST	A1
Dibromomethane	0.018U	U,P1,P2,S8	mg/kg	0.058	0.018	SW846 8260D	50	06/14/2024 22:02	BST	A1
Dichlorodifluoromethane	0.019U	U,P1,P2,S8	mg/kg	0.058	0.019	SW846 8260D	50	06/14/2024 22:02	BST	A1
Ethylbenzene	0.41	P1,P2,S8	mg/kg	0.058	0.020	SW846 8260D	50	06/14/2024 22:02	BST	A1
Freon 113	0.015U	U,P1,P2,S8	mg/kg	0.058	0.015	SW846 8260D	50	06/14/2024 22:02	BST	A1
Hexachlorobutadiene	0.058U	U,P1,P2,S8	mg/kg	0.29	0.058	SW846 8260D	50	06/14/2024 22:02	BST	A1
Isopropylbenzene	0.31	P1,P2,S8	mg/kg	0.058	0.013	SW846 8260D	50	06/14/2024 22:02	BST	A1
Methyl t-Butyl Ether	0.019U	U,P1,P2,S8	mg/kg	0.058	0.019	SW846 8260D	50	06/14/2024 22:02	BST	A1
Methylene Chloride	0.026U	U,P1,P2,S8	mg/kg	0.058	0.026	SW846 8260D	50	06/14/2024 22:02	BST	A1
mp-Xylene	0.11J	J,P1,P2,S8	mg/kg	0.12	0.030	SW846 8260D	50	06/14/2024 22:02	BST	A1
Naphthalene	2.1	P1,P2,S8	mg/kg	0.12	0.020	SW846 8260D	50	06/14/2024 22:02	BST	A1
n-Butylbenzene	0.45	P1,P2,S8	mg/kg	0.12	0.035	SW846 8260D	50	06/14/2024 22:02	BST	A1
n-Propylbenzene	0.74	P1,P2,S8	mg/kg	0.058	0.019	SW846 8260D	50	06/14/2024 22:02	BST	A1
o-Chlorotoluene	0.015U	U,P1,P2,S8	mg/kg	0.058	0.015	SW846 8260D	50	06/14/2024 22:02	BST	A1
o-Xylene	0.019U	U,P1,P2,S8	mg/kg	0.058	0.019	SW846 8260D	50	06/14/2024 22:02	BST	A1
p-Chlorotoluene	0.019U	U,P1,P2,S8	mg/kg	0.058	0.019	SW846 8260D	50	06/14/2024 22:02	BST	A1
p-Isopropyltoluene	0.28	P1,P2,S8	mg/kg	0.058	0.018	SW846 8260D	50	06/14/2024 22:02	BST	A1
sec-Butylbenzene	0.26	P1,P2,S8	mg/kg	0.058	0.018	SW846 8260D	50	06/14/2024 22:02	BST	A1
Styrene	0.014U	U,P1,P2,S8	mg/kg	0.058	0.014	SW846 8260D	50	06/14/2024 22:02	BST	A1
tert-Butylbenzene	0.025U	U,P1,P2,S8	mg/kg	0.12	0.025	SW846 8260D	50	06/14/2024 22:02	BST	A1
Tetrachloroethene	0.020U	U,P1,P2,S8	mg/kg	0.058	0.020	SW846 8260D	50	06/14/2024 22:02	BST	A1
Toluene	0.013U	U,P1,P2,S8	mg/kg	0.058	0.013	SW846 8260D	50	06/14/2024 22:02	BST	A1
Total Xylenes	0.11J	J,P1,P2,S8	mg/kg	0.17	0.038	SW846 8260D	50	06/14/2024 22:02	BST	A1

DRAFT



**Results**

Client Sample ID	MW-06 (4-6)	Collected	06/04/2024 13:55
Lab Sample ID	3363483020	Lab Receipt	06/08/2024 08:37

**VOLATILE ORGANICS (cont.)**

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
trans-1,2-Dichloroethene	0.015U	U,P1,P2,S8	mg/kg	0.058	0.015	SW846 8260D	50	06/14/2024 22:02	BST	A1
trans-1,3-Dichloropropene	0.017U	U,P1,P2,S8	mg/kg	0.058	0.017	SW846 8260D	50	06/14/2024 22:02	BST	A1
Trichloroethene	0.019U	U,P1,P2,S8	mg/kg	0.058	0.019	SW846 8260D	50	06/14/2024 22:02	BST	A1
Trichlorofluoromethane	0.014U	U,P1,P2,S8	mg/kg	0.058	0.014	SW846 8260D	50	06/14/2024 22:02	BST	A1
Vinyl Chloride	0.017U	U,P1,P2,S8	mg/kg	0.058	0.017	SW846 8260D	50	06/14/2024 22:02	BST	A1

*SURROGATES*

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	94.8%	71 - 146	06/14/2024 22:02	
4-Bromofluorobenzene	460-00-4	95.4%	46 - 138	06/14/2024 22:02	
Dibromofluoromethane	1868-53-7	77.1%	42 - 143	06/14/2024 22:02	
Toluene-d8	2037-26-5	95%	54 - 141	06/14/2024 22:02	

**WET CHEMISTRY**

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Moisture	16.7	P1,P2,S8	%	0.1	0.01	S2540G-11	1	06/11/2024 14:37	J1K	A
Total Solids	83.3	P1,P2,S8	%	0.1	0.01	S2540G-11	1	06/11/2024 14:37	J1K	A

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## Results

Client Sample ID	MW-06 (10-12)	Collected	06/04/2024 13:55
Lab Sample ID	3363483021	Lab Receipt	06/08/2024 08:37

### GASOLINE RANGE ORGANICS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Gasoline Range Organics	2.0U	U,P1,P2	mg/kg	11.9	2.0	SW846 8015D	100	06/14/2024 23:58	JTH	A1

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
a,a,a-Trifluorotoluene	98-08-8	101%	72 - 134	06/14/2024 23:58	

### PETROLEUM HC's

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Diesel Range Organics C10-C28	26.4	P1,P2	mg/kg	11.9	3.3	SW846 8015D	1	06/15/2024 12:04	KJH	A

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
o-Terphenyl	84-15-1	87%	36 - 122	06/15/2024 12:04	

### SEMIVOLATILE SIM

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,4-Dioxane	0.0026U	U,P1,P2	mg/kg	0.0053	0.0026	SW846 8270E SIM	1	06/18/2024 14:23	S7M	A
1-Methylnaphthalene	0.087	P1,P2	mg/kg	0.0053	0.00095	SW846 8270E SIM	1	06/18/2024 14:23	S7M	A
2-Methylnaphthalene	0.066	P1,P2	mg/kg	0.0053	0.0014	SW846 8270E SIM	1	06/18/2024 14:23	S7M	A
Acenaphthene	0.00095U	U,P1,P2	mg/kg	0.0053	0.00095	SW846 8270E SIM	1	06/18/2024 14:23	S7M	A
Acenaphthylene	0.00095U	U,P1,P2	mg/kg	0.0053	0.00095	SW846 8270E SIM	1	06/18/2024 14:23	S7M	A
Anthracene	0.0024J	J,P1,P2	mg/kg	0.0053	0.00084	SW846 8270E SIM	1	06/18/2024 14:23	S7M	A
Benzo(a)anthracene	0.0088	P1,P2	mg/kg	0.0053	0.00084	SW846 8270E SIM	1	06/18/2024 14:23	S7M	A
Benzo(a)pyrene	0.011	P1,P2	mg/kg	0.0053	0.00084	SW846 8270E SIM	1	06/18/2024 14:23	S7M	A
Benzo(b)fluoranthene	0.018	P1,P2	mg/kg	0.0053	0.00084	SW846 8270E SIM	1	06/18/2024 14:23	S7M	A
Benzo(g,h,i)perylene	0.037	P1,P2	mg/kg	0.0053	0.0011	SW846 8270E SIM	1	06/18/2024 14:23	S7M	A
Benzo(k)fluoranthene	0.0079	P1,P2	mg/kg	0.0053	0.00095	SW846 8270E SIM	1	06/18/2024 14:23	S7M	A
Chrysene	0.025	P1,P2	mg/kg	0.0053	0.00095	SW846 8270E SIM	1	06/18/2024 14:23	S7M	A
Dibenzo(a,h)anthracene	0.0046J	J,P1,P2	mg/kg	0.0053	0.00074	SW846 8270E SIM	1	06/18/2024 14:23	S7M	A
Fluoranthene	0.016	P1,P2	mg/kg	0.0053	0.00095	SW846 8270E SIM	1	06/18/2024 14:23	S7M	A
Fluorene	0.0086	P1,P2	mg/kg	0.0053	0.0011	SW846 8270E SIM	1	06/18/2024 14:23	S7M	A
Indeno(1,2,3-cd)pyrene	0.0078	P1,P2	mg/kg	0.0053	0.00084	SW846 8270E SIM	1	06/18/2024 14:23	S7M	A
Naphthalene	0.026	P1,P2	mg/kg	0.0053	0.0012	SW846 8270E SIM	1	06/18/2024 14:23	S7M	A
Phenanthrene	0.084	P1,P2	mg/kg	0.0053	0.0012	SW846 8270E SIM	1	06/18/2024 14:23	S7M	A





## Results

Client Sample ID	MW-06 (10-12)	Collected	06/04/2024 13:55
Lab Sample ID	3363483021	Lab Receipt	06/08/2024 08:37

### SEMIVOLATILE SIM (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Pyrene	0.025	P1,P2	mg/kg	0.0053	0.00084	SW846 8270E SIM	1	06/18/2024 14:23	S7M	A

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
2-Methylnaphthalene-d10	7297-45-2	63.5%	50 - 150	06/18/2024 14:23	
Fluoranthene-d10	93951-69-0	69.1%	50 - 150	06/18/2024 14:23	

### SEMIVOLATILES

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1-Methylnaphthalene	0.091J	J,P1,P2	mg/kg	0.11	0.018	SW846 8270E	1	06/17/2024 12:10	S7M	A
2-Methylnaphthalene	0.070J	J,P1,P2	mg/kg	0.11	0.018	SW846 8270E	1	06/17/2024 12:10	S7M	A
Acenaphthene	0.018U	U,P1,P2	mg/kg	0.053	0.018	SW846 8270E	1	06/17/2024 12:10	S7M	A
Acenaphthylene	0.018U	U,9,P1,P2	mg/kg	0.053	0.018	SW846 8270E	1	06/17/2024 12:10	S7M	A
Anthracene	0.018U	U,P1,P2	mg/kg	0.053	0.018	SW846 8270E	1	06/17/2024 12:10	S7M	A
Benzo(a)anthracene	0.018U	U,P1,P2	mg/kg	0.053	0.018	SW846 8270E	1	06/17/2024 12:10	S7M	A
Benzo(a)pyrene	0.018U	U,P1,P2	mg/kg	0.053	0.018	SW846 8270E	1	06/17/2024 12:10	S7M	A
Benzo(b)fluoranthene	0.021J	J,P1,P2	mg/kg	0.053	0.018	SW846 8270E	1	06/17/2024 12:10	S7M	A
Benzo(g,h,i)perylene	0.047J	J,P1,P2	mg/kg	0.053	0.018	SW846 8270E	1	06/17/2024 12:10	S7M	A
Benzo(k)fluoranthene	0.018U	U,P1,P2	mg/kg	0.053	0.018	SW846 8270E	1	06/17/2024 12:10	S7M	A
Carbazole	0.018U	U,P1,P2	mg/kg	0.11	0.018	SW846 8270E	1	06/17/2024 12:10	S7M	A
Chrysene	0.030J	J,P1,P2	mg/kg	0.053	0.018	SW846 8270E	1	06/17/2024 12:10	S7M	A
Dibenzo(a,h)anthracene	0.018U	U,P1,P2	mg/kg	0.053	0.018	SW846 8270E	1	06/17/2024 12:10	S7M	A
Dibenzofuran	0.027J	J,P1,P2	mg/kg	0.11	0.018	SW846 8270E	1	06/17/2024 12:10	S7M	A
Fluoranthene	0.019J	J,P1,P2	mg/kg	0.053	0.018	SW846 8270E	1	06/17/2024 12:10	S7M	A
Fluorene	0.018U	U,P1,P2	mg/kg	0.053	0.018	SW846 8270E	1	06/17/2024 12:10	S7M	A
Indeno(1,2,3-cd)pyrene	0.018U	U,P1,P2	mg/kg	0.053	0.018	SW846 8270E	1	06/17/2024 12:10	S7M	A
Naphthalene	0.025J	J,P1,P2	mg/kg	0.053	0.018	SW846 8270E	1	06/17/2024 12:10	S7M	A
Phenanthrene	0.090	P1,P2	mg/kg	0.053	0.018	SW846 8270E	1	06/17/2024 12:10	S7M	A
Pyrene	0.028J	J,P1,P2	mg/kg	0.053	0.018	SW846 8270E	1	06/17/2024 12:10	S7M	A

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
2,4,6-Tribromophenol	118-79-6	53.9%	19 - 132	06/17/2024 12:10	
2-Fluorobiphenyl	321-60-8	54.5%	40 - 110	06/17/2024 12:10	
2-Fluorophenol	367-12-4	52.5%	26 - 116	06/17/2024 12:10	
Nitrobenzene-d5	4165-60-0	56%	38 - 112	06/17/2024 12:10	
Phenol-d5	4165-62-2	56.9%	35 - 111	06/17/2024 12:10	
Terphenyl-d14	98904-43-9	67.9%	45 - 126	06/17/2024 12:10	

### VOLATILE ORGANICS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1-Trichloroethane	0.00077U	U,P1,P2	mg/kg	0.0025	0.00077	SW846 8260D	1	06/13/2024 03:07	PDK	A2

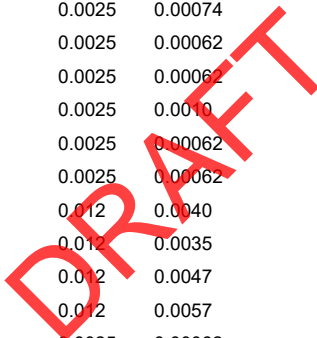


**Results**

Client Sample ID MW-06 (10-12) Collected 06/04/2024 13:55  
 Lab Sample ID 3363483021 Lab Receipt 06/08/2024 08:37

**VOLATILE ORGANICS (cont.)**

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,2,2-Tetrachloroethane	0.00069U	U,P1,P2	mg/kg	0.0025	0.00069	SW846 8260D	1	06/13/2024 03:07	PDK	A2
1,1,2-Trichloroethane	0.00069U	U,P1,P2	mg/kg	0.0025	0.00069	SW846 8260D	1	06/13/2024 03:07	PDK	A2
1,1-Dichloroethane	0.00062U	U,P1,P2	mg/kg	0.0025	0.00062	SW846 8260D	1	06/13/2024 03:07	PDK	A2
1,1-Dichloroethene	0.00064U	U,P1,P2	mg/kg	0.0025	0.00064	SW846 8260D	1	06/13/2024 03:07	PDK	A2
1,1-Dichloropropene	0.00062U	U,P1,P2	mg/kg	0.0025	0.00062	SW846 8260D	1	06/13/2024 03:07	PDK	A2
1,2,3-Trichlorobenzene	0.00062U	U,P1,P2	mg/kg	0.0062	0.00062	SW846 8260D	1	06/13/2024 03:07	PDK	A2
1,2,3-Trichloropropane	0.00062U	U,P1,P2	mg/kg	0.0025	0.00062	SW846 8260D	1	06/13/2024 03:07	PDK	A2
1,2,4-Trichlorobenzene	0.00062U	U,P1,P2	mg/kg	0.0062	0.00062	SW846 8260D	1	06/13/2024 03:07	PDK	A2
1,2,4-Trimethylbenzene	0.00062U	U,P1,P2	mg/kg	0.0025	0.00062	SW846 8260D	1	06/13/2024 03:07	PDK	A2
1,2-Dibromo-3-chloropropane	0.00031U	U,P1,P2	mg/kg	0.0025	0.00031	SW846 8260D	1	06/13/2024 03:07	PDK	A2
1,2-Dibromoethane	0.00067U	U,P1,P2	mg/kg	0.0025	0.00067	SW846 8260D	1	06/13/2024 03:07	PDK	A2
1,2-Dichlorobenzene	0.00062U	U,P1,P2	mg/kg	0.0025	0.00062	SW846 8260D	1	06/13/2024 03:07	PDK	A2
1,2-Dichloroethane	0.00062U	U,P1,P2	mg/kg	0.0025	0.00062	SW846 8260D	1	06/13/2024 03:07	PDK	A2
1,2-Dichloropropane	0.00074U	U,P1,P2	mg/kg	0.0025	0.00074	SW846 8260D	1	06/13/2024 03:07	PDK	A2
1,3,5-Trimethylbenzene	0.00062U	U,P1,P2	mg/kg	0.0025	0.00062	SW846 8260D	1	06/13/2024 03:07	PDK	A2
1,3-Dichlorobenzene	0.00062U	U,P1,P2	mg/kg	0.0025	0.00062	SW846 8260D	1	06/13/2024 03:07	PDK	A2
1,3-Dichloropropane	0.0010U	U,P1,P2	mg/kg	0.0025	0.0010	SW846 8260D	1	06/13/2024 03:07	PDK	A2
1,4-Dichlorobenzene	0.00062U	U,P1,P2	mg/kg	0.0025	0.00062	SW846 8260D	1	06/13/2024 03:07	PDK	A2
2,2-Dichloropropane	0.00062U	U,P1,P2	mg/kg	0.0025	0.00062	SW846 8260D	1	06/13/2024 03:07	PDK	A2
2-Butanone	0.0040U	U,P1,P2	mg/kg	0.012	0.0040	SW846 8260D	1	06/13/2024 03:07	PDK	A2
2-Hexanone	0.0035U	U,P1,P2	mg/kg	0.012	0.0035	SW846 8260D	1	06/13/2024 03:07	PDK	A2
4-Methyl-2-Pentanone(MIBK)	0.0047U	U,P1,P2	mg/kg	0.012	0.0047	SW846 8260D	1	06/13/2024 03:07	PDK	A2
Acetone	0.0089J	J,P1,P2	mg/kg	0.012	0.0057	SW846 8260D	1	06/13/2024 03:07	PDK	A2
Benzene	0.00074J	J,P1,P2	mg/kg	0.0025	0.00062	SW846 8260D	1	06/13/2024 03:07	PDK	A2
Bromobenzene	0.00062U	U,P1,P2	mg/kg	0.0025	0.00062	SW846 8260D	1	06/13/2024 03:07	PDK	A2
Bromochloromethane	0.00062U	U,P1,P2	mg/kg	0.0025	0.00062	SW846 8260D	1	06/13/2024 03:07	PDK	A2
Bromodichloromethane	0.00088U	U,P1,P2	mg/kg	0.0025	0.00088	SW846 8260D	1	06/13/2024 03:07	PDK	A2
Bromoform	0.00064U	U,P1,P2	mg/kg	0.0025	0.00064	SW846 8260D	1	06/13/2024 03:07	PDK	A2
Bromomethane	0.00064U	U,P1,P2	mg/kg	0.0025	0.00064	SW846 8260D	1	06/13/2024 03:07	PDK	A2
Carbon Disulfide	0.0011J	J,P1,P2	mg/kg	0.0025	0.00078	SW846 8260D	1	06/13/2024 03:07	PDK	A2
Carbon Tetrachloride	0.00063U	U,P1,P2	mg/kg	0.0025	0.00063	SW846 8260D	1	06/13/2024 03:07	PDK	A2
Chlorobenzene	0.00063U	U,P1,P2	mg/kg	0.0025	0.00063	SW846 8260D	1	06/13/2024 03:07	PDK	A2
Chlorodibromomethane	0.00084U	U,P1,P2	mg/kg	0.0025	0.00084	SW846 8260D	1	06/13/2024 03:07	PDK	A2
Chloroethane	0.0011U	U,P1,P2	mg/kg	0.0062	0.0011	SW846 8260D	1	06/13/2024 03:07	PDK	A2
Chloroform	0.00065U	U,P1,P2	mg/kg	0.0025	0.00065	SW846 8260D	1	06/13/2024 03:07	PDK	A2
Chloromethane	0.00068U	U,P1,P2	mg/kg	0.0025	0.00068	SW846 8260D	1	06/13/2024 03:07	PDK	A2
cis-1,2-Dichloroethene	0.00062U	U,P1,P2	mg/kg	0.0025	0.00062	SW846 8260D	1	06/13/2024 03:07	PDK	A2
cis-1,3-Dichloropropene	0.00068U	U,P1,P2	mg/kg	0.0025	0.00068	SW846 8260D	1	06/13/2024 03:07	PDK	A2
Dibromomethane	0.00089U	U,P1,P2	mg/kg	0.0025	0.00089	SW846 8260D	1	06/13/2024 03:07	PDK	A2
Dichlorodifluoromethane	0.00083U	U,P1,P2	mg/kg	0.0025	0.00083	SW846 8260D	1	06/13/2024 03:07	PDK	A2
Ethylbenzene	0.00084U	U,P1,P2	mg/kg	0.0025	0.00084	SW846 8260D	1	06/13/2024 03:07	PDK	A2
Freon 113	0.00062U	U,10,P1, P2	mg/kg	0.0025	0.00062	SW846 8260D	1	06/13/2024 03:07	PDK	A2
Hexachlorobutadiene	0.00062U	U,P1,P2	mg/kg	0.0062	0.00062	SW846 8260D	1	06/13/2024 03:07	PDK	A2
Isopropylbenzene	0.00075U	U,P1,P2	mg/kg	0.0025	0.00075	SW846 8260D	1	06/13/2024 03:07	PDK	A2
Methyl t-Butyl Ether	0.00062U	U,P1,P2	mg/kg	0.0025	0.00062	SW846 8260D	1	06/13/2024 03:07	PDK	A2
Methylene Chloride	0.0058	P1,P2	mg/kg	0.0025	0.00096	SW846 8260D	1	06/13/2024 03:07	PDK	A2
mp-Xylene	0.0010U	U,P1,P2	mg/kg	0.0049	0.0010	SW846 8260D	1	06/13/2024 03:07	PDK	A2





## Results

Client Sample ID	MW-06 (10-12)	Collected	06/04/2024 13:55
Lab Sample ID	3363483021	Lab Receipt	06/08/2024 08:37

### VOLATILE ORGANICS (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Naphthalene	0.00062U	U,P1,P2	mg/kg	0.0025	0.00062	SW846 8260D	1	06/13/2024 03:07	PDK	A2
n-Butylbenzene	0.00062U	U,P1,P2	mg/kg	0.0025	0.00062	SW846 8260D	1	06/13/2024 03:07	PDK	A2
n-Propylbenzene	0.00062U	U,P1,P2	mg/kg	0.0025	0.00062	SW846 8260D	1	06/13/2024 03:07	PDK	A2
o-Chlorotoluene	0.00062U	U,P1,P2	mg/kg	0.0025	0.00062	SW846 8260D	1	06/13/2024 03:07	PDK	A2
o-Xylene	0.00072U	U,P1,P2	mg/kg	0.0025	0.00072	SW846 8260D	1	06/13/2024 03:07	PDK	A2
p-Chlorotoluene	0.00062U	U,P1,P2	mg/kg	0.0025	0.00062	SW846 8260D	1	06/13/2024 03:07	PDK	A2
p-Isopropyltoluene	0.00062U	U,P1,P2	mg/kg	0.0025	0.00062	SW846 8260D	1	06/13/2024 03:07	PDK	A2
sec-Butylbenzene	0.00062U	U,P1,P2	mg/kg	0.0025	0.00062	SW846 8260D	1	06/13/2024 03:07	PDK	A2
Styrene	0.00062U	U,P1,P2	mg/kg	0.0025	0.00062	SW846 8260D	1	06/13/2024 03:07	PDK	A2
tert-Butylbenzene	0.00068U	U,P1,P2	mg/kg	0.0025	0.00068	SW846 8260D	1	06/13/2024 03:07	PDK	A2
Tetrachloroethene	0.00074U	U,P1,P2	mg/kg	0.0025	0.00074	SW846 8260D	1	06/13/2024 03:07	PDK	A2
Toluene	0.00083U	U,P1,P2	mg/kg	0.0025	0.00083	SW846 8260D	1	06/13/2024 03:07	PDK	A2
Total Xylenes	0.0017U	U,P1,P2	mg/kg	0.0074	0.0017	SW846 8260D	1	06/13/2024 03:07	PDK	A2
trans-1,2-Dichloroethene	0.00064U	U,P1,P2	mg/kg	0.0025	0.00064	SW846 8260D	1	06/13/2024 03:07	PDK	A2
trans-1,3-Dichloropropene	0.00072U	U,P1,P2	mg/kg	0.0025	0.00072	SW846 8260D	1	06/13/2024 03:07	PDK	A2
Trichloroethene	0.00062U	U,P1,P2	mg/kg	0.0025	0.00062	SW846 8260D	1	06/13/2024 03:07	PDK	A2
Trichlorofluoromethane	0.00062U	U,P1,P2	mg/kg	0.0025	0.00062	SW846 8260D	1	06/13/2024 03:07	PDK	A2
Vinyl Chloride	0.00062U	U,P1,P2	mg/kg	0.0025	0.00062	SW846 8260D	1	06/13/2024 03:07	PDK	A2

### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	112%	56 - 124	06/13/2024 03:07	
4-Bromofluorobenzene	460-00-4	101%	51 - 128	06/13/2024 03:07	
Dibromofluoromethane	1868-53-7	105%	62 - 123	06/13/2024 03:07	
Toluene-d8	2037-26-5	102%	59 - 131	06/13/2024 03:07	

### WET CHEMISTRY

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Moisture	13.7	P1,P2	%	0.1	0.01	S2540G-11	1	06/10/2024 16:21	E1R	A
Total Solids	86.3	P1,P2	%	0.1	0.01	S2540G-11	1	06/10/2024 16:21	E1R	A



## Results

Client Sample ID	MW-04 (6-8)	Collected	06/04/2024 14:35
Lab Sample ID	3363483022	Lab Receipt	06/08/2024 08:37

### GASOLINE RANGE ORGANICS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Gasoline Range Organics	12.9	P1,P2	mg/kg	12.6	2.1	SW846 8015D	100	06/14/2024 23:32	JTH	A1

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
a,a,a-Trifluorotoluene	98-08-8	105%	72 - 134	06/14/2024 23:32	

### PETROLEUM HC's

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Diesel Range Organics C10-C28	24.3	P1,P2	mg/kg	12.9	3.5	SW846 8015D	1	06/15/2024 12:36	KJH	A

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
o-Terphenyl	84-15-1	85.7%	36 - 122	06/15/2024 12:36	

### SEMIVOLATILE SIM

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,4-Dioxane	0.0030U	U,P1,P2	mg/kg	0.0060	0.0030	SW846 8270E SIM	1	06/20/2024 04:57	S7M	A
1-Methylnaphthalene	0.035	P1,P2	mg/kg	0.0060	0.0011	SW846 8270E SIM	1	06/20/2024 04:57	S7M	A
2-Methylnaphthalene	0.0071	P1,P2	mg/kg	0.0060	0.0015	SW846 8270E SIM	1	06/20/2024 04:57	S7M	A
Acenaphthene	0.018	P1,P2	mg/kg	0.0060	0.0011	SW846 8270E SIM	1	06/20/2024 04:57	S7M	A
Acenaphthylene	0.0011U	U,P1,P2	mg/kg	0.0060	0.0011	SW846 8270E SIM	1	06/20/2024 04:57	S7M	A
Anthracene	0.0030J	J,P1,P2	mg/kg	0.0060	0.00095	SW846 8270E SIM	1	06/20/2024 04:57	S7M	A
Benzo(a)anthracene	0.00095U	U,P1,P2	mg/kg	0.0060	0.00095	SW846 8270E SIM	1	06/20/2024 04:57	S7M	A
Benzo(a)pyrene	0.00095U	U,P1,P2	mg/kg	0.0060	0.00095	SW846 8270E SIM	1	06/20/2024 04:57	S7M	A
Benzo(b)fluoranthene	0.00095U	U,P1,P2	mg/kg	0.0060	0.00095	SW846 8270E SIM	1	06/20/2024 04:57	S7M	A
Benzo(g,h,i)perylene	0.0012U	U,P1,P2	mg/kg	0.0060	0.0012	SW846 8270E SIM	1	06/20/2024 04:57	S7M	A
Benzo(k)fluoranthene	0.0011U	U,P1,P2	mg/kg	0.0060	0.0011	SW846 8270E SIM	1	06/20/2024 04:57	S7M	A
Chrysene	0.0011U	U,P1,P2	mg/kg	0.0060	0.0011	SW846 8270E SIM	1	06/20/2024 04:57	S7M	A
Dibenzo(a,h)anthracene	0.00083U	U,P1,P2	mg/kg	0.0060	0.00083	SW846 8270E SIM	1	06/20/2024 04:57	S7M	A
Fluoranthene	0.0011U	U,P1,P2	mg/kg	0.0060	0.0011	SW846 8270E SIM	1	06/20/2024 04:57	S7M	A
Fluorene	0.036	P1,P2	mg/kg	0.0060	0.0012	SW846 8270E SIM	1	06/20/2024 04:57	S7M	A
Indeno(1,2,3-cd)pyrene	0.00095U	U,P1,P2	mg/kg	0.0060	0.00095	SW846 8270E SIM	1	06/20/2024 04:57	S7M	A
Naphthalene	0.013	P1,P2	mg/kg	0.0060	0.0013	SW846 8270E SIM	1	06/20/2024 04:57	S7M	A
Phenanthrene	0.028	P1,P2	mg/kg	0.0060	0.0013	SW846 8270E SIM	1	06/20/2024 04:57	S7M	A



## Results

Client Sample ID	MW-04 (6-8)	Collected	06/04/2024 14:35
Lab Sample ID	3363483022	Lab Receipt	06/08/2024 08:37

### SEMIVOLATILE SIM (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Pyrene	0.00095U	U,P1,P2	mg/kg	0.0060	0.00095	SW846 8270E SIM	1	06/20/2024 04:57	S7M	A

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
2-Methylnaphthalene-d10	7297-45-2	75%	50 - 150	06/20/2024 04:57	
Fluoranthene-d10	93951-69-0	83.2%	50 - 150	06/20/2024 04:57	

### SEMIVOLATILES

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1-Methylnaphthalene	0.034J	J,P1,P2	mg/kg	0.12	0.020	SW846 8270E	1	06/17/2024 12:36	S7M	A
2-Methylnaphthalene	0.020U	U,P1,P2	mg/kg	0.12	0.020	SW846 8270E	1	06/17/2024 12:36	S7M	A
Acenaphthene	0.021J	J,P1,P2	mg/kg	0.060	0.020	SW846 8270E	1	06/17/2024 12:36	S7M	A
Acenaphthylene	0.020U	U,9,P1,P2	mg/kg	0.060	0.020	SW846 8270E	1	06/17/2024 12:36	S7M	A
Anthracene	0.020U	U,P1,P2	mg/kg	0.060	0.020	SW846 8270E	1	06/17/2024 12:36	S7M	A
Benzo(a)anthracene	0.020U	U,P1,P2	mg/kg	0.060	0.020	SW846 8270E	1	06/17/2024 12:36	S7M	A
Benzo(a)pyrene	0.020U	U,P1,P2	mg/kg	0.060	0.020	SW846 8270E	1	06/17/2024 12:36	S7M	A
Benzo(b)fluoranthene	0.020U	U,P1,P2	mg/kg	0.060	0.020	SW846 8270E	1	06/17/2024 12:36	S7M	A
Benzo(g,h,i)perylene	0.020U	U,P1,P2	mg/kg	0.060	0.020	SW846 8270E	1	06/17/2024 12:36	S7M	A
Benzo(k)fluoranthene	0.020U	U,P1,P2	mg/kg	0.060	0.020	SW846 8270E	1	06/17/2024 12:36	S7M	A
Carbazole	0.020U	U,P1,P2	mg/kg	0.12	0.020	SW846 8270E	1	06/17/2024 12:36	S7M	A
Chrysene	0.020U	U,P1,P2	mg/kg	0.060	0.020	SW846 8270E	1	06/17/2024 12:36	S7M	A
Dibenzo(a,h)anthracene	0.020U	U,P1,P2	mg/kg	0.060	0.020	SW846 8270E	1	06/17/2024 12:36	S7M	A
Dibenzofuran	0.020U	U,P1,P2	mg/kg	0.12	0.020	SW846 8270E	1	06/17/2024 12:36	S7M	A
Fluoranthene	0.020U	U,P1,P2	mg/kg	0.060	0.020	SW846 8270E	1	06/17/2024 12:36	S7M	A
Fluorene	0.032J	J,P1,P2	mg/kg	0.060	0.020	SW846 8270E	1	06/17/2024 12:36	S7M	A
Indeno(1,2,3-cd)pyrene	0.020U	U,P1,P2	mg/kg	0.060	0.020	SW846 8270E	1	06/17/2024 12:36	S7M	A
Naphthalene	0.020U	U,P1,P2	mg/kg	0.060	0.020	SW846 8270E	1	06/17/2024 12:36	S7M	A
Phenanthrene	0.027J	J,P1,P2	mg/kg	0.060	0.020	SW846 8270E	1	06/17/2024 12:36	S7M	A
Pyrene	0.020U	U,P1,P2	mg/kg	0.060	0.020	SW846 8270E	1	06/17/2024 12:36	S7M	A

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
2,4,6-Tribromophenol	118-79-6	61.2%	19 - 132	06/17/2024 12:36	
2-Fluorobiphenyl	321-60-8	60.9%	40 - 110	06/17/2024 12:36	
2-Fluorophenol	367-12-4	57.1%	26 - 116	06/17/2024 12:36	
Nitrobenzene-d5	4165-60-0	61.4%	38 - 112	06/17/2024 12:36	
Phenol-d5	4165-62-2	61.8%	35 - 111	06/17/2024 12:36	
Terphenyl-d14	98904-43-9	75.6%	45 - 126	06/17/2024 12:36	

### VOLATILE ORGANICS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1-Trichloroethane	0.00085U	U,P1,P2	mg/kg	0.0028	0.00085	SW846 8260D	1	06/13/2024 06:07	PDK	A2

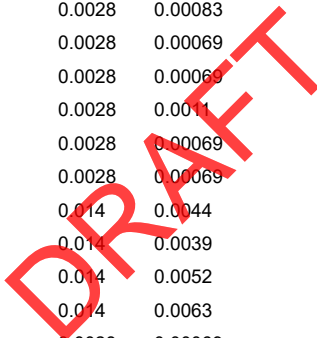


**Results**

Client Sample ID MW-04 (6-8) Collected 06/04/2024 14:35  
 Lab Sample ID 3363483022 Lab Receipt 06/08/2024 08:37

**VOLATILE ORGANICS (cont.)**

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,2,2-Tetrachloroethane	0.00077U	U,P1,P2	mg/kg	0.0028	0.00077	SW846 8260D	1	06/13/2024 06:07	PDK	A2
1,1,2-Trichloroethane	0.00077U	U,P1,P2	mg/kg	0.0028	0.00077	SW846 8260D	1	06/13/2024 06:07	PDK	A2
1,1-Dichloroethane	0.00069U	U,P1,P2	mg/kg	0.0028	0.00069	SW846 8260D	1	06/13/2024 06:07	PDK	A2
1,1-Dichloroethene	0.00072U	U,P1,P2	mg/kg	0.0028	0.00072	SW846 8260D	1	06/13/2024 06:07	PDK	A2
1,1-Dichloropropene	0.00069U	U,P1,P2	mg/kg	0.0028	0.00069	SW846 8260D	1	06/13/2024 06:07	PDK	A2
1,2,3-Trichlorobenzene	0.00069U	U,P1,P2	mg/kg	0.0069	0.00069	SW846 8260D	1	06/13/2024 06:07	PDK	A2
1,2,3-Trichloropropane	0.00069U	U,P1,P2	mg/kg	0.0028	0.00069	SW846 8260D	1	06/13/2024 06:07	PDK	A2
1,2,4-Trichlorobenzene	0.00069U	U,P1,P2	mg/kg	0.0069	0.00069	SW846 8260D	1	06/13/2024 06:07	PDK	A2
1,2,4-Trimethylbenzene	0.00069U	U,P1,P2	mg/kg	0.0028	0.00069	SW846 8260D	1	06/13/2024 06:07	PDK	A2
1,2-Dibromo-3-chloropropane	0.00034U	U,P1,P2	mg/kg	0.0028	0.00034	SW846 8260D	1	06/13/2024 06:07	PDK	A2
1,2-Dibromoethane	0.00074U	U,P1,P2	mg/kg	0.0028	0.00074	SW846 8260D	1	06/13/2024 06:07	PDK	A2
1,2-Dichlorobenzene	0.00069U	U,P1,P2	mg/kg	0.0028	0.00069	SW846 8260D	1	06/13/2024 06:07	PDK	A2
1,2-Dichloroethane	0.00069U	U,P1,P2	mg/kg	0.0028	0.00069	SW846 8260D	1	06/13/2024 06:07	PDK	A2
1,2-Dichloropropane	0.00083U	U,P1,P2	mg/kg	0.0028	0.00083	SW846 8260D	1	06/13/2024 06:07	PDK	A2
1,3,5-Trimethylbenzene	0.00069U	U,P1,P2	mg/kg	0.0028	0.00069	SW846 8260D	1	06/13/2024 06:07	PDK	A2
1,3-Dichlorobenzene	0.00069U	U,P1,P2	mg/kg	0.0028	0.00069	SW846 8260D	1	06/13/2024 06:07	PDK	A2
1,3-Dichloropropane	0.0011U	U,P1,P2	mg/kg	0.0028	0.0011	SW846 8260D	1	06/13/2024 06:07	PDK	A2
1,4-Dichlorobenzene	0.00069U	U,P1,P2	mg/kg	0.0028	0.00069	SW846 8260D	1	06/13/2024 06:07	PDK	A2
2,2-Dichloropropane	0.00069U	U,P1,P2	mg/kg	0.0028	0.00069	SW846 8260D	1	06/13/2024 06:07	PDK	A2
2-Butanone	0.0061J	J,P1,P2	mg/kg	0.014	0.0044	SW846 8260D	1	06/13/2024 06:07	PDK	A2
2-Hexanone	0.0039U	U,P1,P2	mg/kg	0.014	0.0039	SW846 8260D	1	06/13/2024 06:07	PDK	A2
4-Methyl-2-Pentanone(MIBK)	0.0052U	U,P1,P2	mg/kg	0.014	0.0052	SW846 8260D	1	06/13/2024 06:07	PDK	A2
Acetone	0.042	P1,P2	mg/kg	0.014	0.0063	SW846 8260D	1	06/13/2024 06:07	PDK	A2
Benzene	0.0010J	J,P1,P2	mg/kg	0.0028	0.00069	SW846 8260D	1	06/13/2024 06:07	PDK	A2
Bromobenzene	0.00069U	U,P1,P2	mg/kg	0.0028	0.00069	SW846 8260D	1	06/13/2024 06:07	PDK	A2
Bromochloromethane	0.00069U	U,P1,P2	mg/kg	0.0028	0.00069	SW846 8260D	1	06/13/2024 06:07	PDK	A2
Bromodichloromethane	0.00098U	U,P1,P2	mg/kg	0.0028	0.00098	SW846 8260D	1	06/13/2024 06:07	PDK	A2
Bromoform	0.00072U	U,P1,P2	mg/kg	0.0028	0.00072	SW846 8260D	1	06/13/2024 06:07	PDK	A2
Bromomethane	0.00072U	U,P1,P2	mg/kg	0.0028	0.00072	SW846 8260D	1	06/13/2024 06:07	PDK	A2
Carbon Disulfide	0.00087U	U,P1,P2	mg/kg	0.0028	0.00087	SW846 8260D	1	06/13/2024 06:07	PDK	A2
Carbon Tetrachloride	0.00070U	U,P1,P2	mg/kg	0.0028	0.00070	SW846 8260D	1	06/13/2024 06:07	PDK	A2
Chlorobenzene	0.00070U	U,P1,P2	mg/kg	0.0028	0.00070	SW846 8260D	1	06/13/2024 06:07	PDK	A2
Chlorodibromomethane	0.00094U	U,P1,P2	mg/kg	0.0028	0.00094	SW846 8260D	1	06/13/2024 06:07	PDK	A2
Chloroethane	0.0012U	U,P1,P2	mg/kg	0.0069	0.0012	SW846 8260D	1	06/13/2024 06:07	PDK	A2
Chloroform	0.00073U	U,P1,P2	mg/kg	0.0028	0.00073	SW846 8260D	1	06/13/2024 06:07	PDK	A2
Chloromethane	0.00076U	U,P1,P2	mg/kg	0.0028	0.00076	SW846 8260D	1	06/13/2024 06:07	PDK	A2
cis-1,2-Dichloroethene	0.00069U	U,P1,P2	mg/kg	0.0028	0.00069	SW846 8260D	1	06/13/2024 06:07	PDK	A2
cis-1,3-Dichloropropene	0.00076U	U,P1,P2	mg/kg	0.0028	0.00076	SW846 8260D	1	06/13/2024 06:07	PDK	A2
Dibromomethane	0.00099U	U,P1,P2	mg/kg	0.0028	0.00099	SW846 8260D	1	06/13/2024 06:07	PDK	A2
Dichlorodifluoromethane	0.00092U	U,P1,P2	mg/kg	0.0028	0.00092	SW846 8260D	1	06/13/2024 06:07	PDK	A2
Ethylbenzene	0.00094U	U,P1,P2	mg/kg	0.0028	0.00094	SW846 8260D	1	06/13/2024 06:07	PDK	A2
Freon 113	0.00069U	U,10,P1, P2	mg/kg	0.0028	0.00069	SW846 8260D	1	06/13/2024 06:07	PDK	A2
Hexachlorobutadiene	0.00069U	U,P1,P2	mg/kg	0.0069	0.00069	SW846 8260D	1	06/13/2024 06:07	PDK	A2
Isopropylbenzene	0.0016J	J,P1,P2	mg/kg	0.0028	0.00084	SW846 8260D	1	06/13/2024 06:07	PDK	A2
Methyl t-Butyl Ether	0.00069U	U,P1,P2	mg/kg	0.0028	0.00069	SW846 8260D	1	06/13/2024 06:07	PDK	A2
Methylene Chloride	0.0015J	J,P1,P2	mg/kg	0.0028	0.0011	SW846 8260D	1	06/13/2024 06:07	PDK	A2
mp-Xylene	0.0011U	U,P1,P2	mg/kg	0.0055	0.0011	SW846 8260D	1	06/13/2024 06:07	PDK	A2







## Results

Client Sample ID	MW-04 (6-8)	Collected	06/04/2024 14:35
Lab Sample ID	3363483022	Lab Receipt	06/08/2024 08:37

### VOLATILE ORGANICS (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Naphthalene	0.017	P1,P2	mg/kg	0.0028	0.00069	SW846 8260D	1	06/13/2024 06:07	PDK	A2
n-Butylbenzene	0.00069U	U,P1,P2	mg/kg	0.0028	0.00069	SW846 8260D	1	06/13/2024 06:07	PDK	A2
n-Propylbenzene	0.0042	P1,P2	mg/kg	0.0028	0.00069	SW846 8260D	1	06/13/2024 06:07	PDK	A2
o-Chlorotoluene	0.00069U	U,P1,P2	mg/kg	0.0028	0.00069	SW846 8260D	1	06/13/2024 06:07	PDK	A2
o-Xylene	0.00080U	U,P1,P2	mg/kg	0.0028	0.00080	SW846 8260D	1	06/13/2024 06:07	PDK	A2
p-Chlorotoluene	0.00069U	U,P1,P2	mg/kg	0.0028	0.00069	SW846 8260D	1	06/13/2024 06:07	PDK	A2
p-Isopropyltoluene	0.00069U	U,P1,P2	mg/kg	0.0028	0.00069	SW846 8260D	1	06/13/2024 06:07	PDK	A2
sec-Butylbenzene	0.0057	P1,P2	mg/kg	0.0028	0.00069	SW846 8260D	1	06/13/2024 06:07	PDK	A2
Styrene	0.00069U	U,P1,P2	mg/kg	0.0028	0.00069	SW846 8260D	1	06/13/2024 06:07	PDK	A2
tert-Butylbenzene	0.00076U	U,P1,P2	mg/kg	0.0028	0.00076	SW846 8260D	1	06/13/2024 06:07	PDK	A2
Tetrachloroethene	0.00083U	U,P1,P2	mg/kg	0.0028	0.00083	SW846 8260D	1	06/13/2024 06:07	PDK	A2
Toluene	0.00092U	U,P1,P2	mg/kg	0.0028	0.00092	SW846 8260D	1	06/13/2024 06:07	PDK	A2
Total Xylenes	0.0019U	U,P1,P2	mg/kg	0.0083	0.0019	SW846 8260D	1	06/13/2024 06:07	PDK	A2
trans-1,2-Dichloroethene	0.00072U	U,P1,P2	mg/kg	0.0028	0.00072	SW846 8260D	1	06/13/2024 06:07	PDK	A2
trans-1,3-Dichloropropene	0.00080U	U,P1,P2	mg/kg	0.0028	0.00080	SW846 8260D	1	06/13/2024 06:07	PDK	A2
Trichloroethene	0.00069U	U,P1,P2	mg/kg	0.0028	0.00069	SW846 8260D	1	06/13/2024 06:07	PDK	A2
Trichlorofluoromethane	0.00069U	U,P1,P2	mg/kg	0.0028	0.00069	SW846 8260D	1	06/13/2024 06:07	PDK	A2
Vinyl Chloride	0.00069U	U,P1,P2	mg/kg	0.0028	0.00069	SW846 8260D	1	06/13/2024 06:07	PDK	A2

### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	105%	56 - 124	06/13/2024 06:07	
4-Bromofluorobenzene	460-00-4	100%	51 - 128	06/13/2024 06:07	
Dibromofluoromethane	1868-53-7	99.6%	62 - 123	06/13/2024 06:07	
Toluene-d8	2037-26-5	96.1%	59 - 131	06/13/2024 06:07	

### WET CHEMISTRY

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Moisture	20.7	P1,P2	%	0.1	0.01	S2540G-11	1	06/11/2024 14:37	J1K	A
Total Solids	79.3	P1,P2	%	0.1	0.01	S2540G-11	1	06/11/2024 14:37	J1K	A



## Results

Client Sample ID	MW-04 (10-12)	Collected	06/04/2024 14:35
Lab Sample ID	3363483023	Lab Receipt	06/08/2024 08:37

### GASOLINE RANGE ORGANICS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Gasoline Range Organics	4.8J	J,P1,P2	mg/kg	11.6	2.0	SW846 8015D	100	06/14/2024 23:07	JTH	A1

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
a,a,a-Trifluorotoluene	98-08-8	106%	72 - 134	06/14/2024 23:07	

### PETROLEUM HC's

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Diesel Range Organics C10-C28	27.0	P1,P2	mg/kg	12.0	3.3	SW846 8015D	1	06/15/2024 13:08	KJH	A

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
o-Terphenyl	84-15-1	87.3%	36 - 122	06/15/2024 13:08	

### SEMIVOLATILE SIM

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,4-Dioxane	0.0025U	U,P1,P2	mg/kg	0.0050	0.0025	SW846 8270E SIM	1	06/20/2024 05:24	S7M	A
1-Methylnaphthalene	0.12	P1,P2	mg/kg	0.0050	0.00091	SW846 8270E SIM	1	06/20/2024 05:24	S7M	A
2-Methylnaphthalene	0.094	P1,P2	mg/kg	0.0050	0.0013	SW846 8270E SIM	1	06/20/2024 05:24	S7M	A
Acenaphthene	0.00091U	U,P1,P2	mg/kg	0.0050	0.00091	SW846 8270E SIM	1	06/20/2024 05:24	S7M	A
Acenaphthylene	0.00091U	U,P1,P2	mg/kg	0.0050	0.00091	SW846 8270E SIM	1	06/20/2024 05:24	S7M	A
Anthracene	0.00081U	U,P1,P2	mg/kg	0.0050	0.00081	SW846 8270E SIM	1	06/20/2024 05:24	S7M	A
Benzo(a)anthracene	0.010	P1,P2	mg/kg	0.0050	0.00081	SW846 8270E SIM	1	06/20/2024 05:24	S7M	A
Benzo(a)pyrene	0.011	P1,P2	mg/kg	0.0050	0.00081	SW846 8270E SIM	1	06/20/2024 05:24	S7M	A
Benzo(b)fluoranthene	0.019	P1,P2	mg/kg	0.0050	0.00081	SW846 8270E SIM	1	06/20/2024 05:24	S7M	A
Benzo(g,h,i)perylene	0.040	P1,P2	mg/kg	0.0050	0.0010	SW846 8270E SIM	1	06/20/2024 05:24	S7M	A
Benzo(k)fluoranthene	0.00091U	U,P1,P2	mg/kg	0.0050	0.00091	SW846 8270E SIM	1	06/20/2024 05:24	S7M	A
Chrysene	0.027	P1,P2	mg/kg	0.0050	0.00091	SW846 8270E SIM	1	06/20/2024 05:24	S7M	A
Dibenzo(a,h)anthracene	0.0057	P1,P2	mg/kg	0.0050	0.00071	SW846 8270E SIM	1	06/20/2024 05:24	S7M	A
Fluoranthene	0.016	P1,P2	mg/kg	0.0050	0.00091	SW846 8270E SIM	1	06/20/2024 05:24	S7M	A
Fluorene	0.0040J	J,P1,P2	mg/kg	0.0050	0.0010	SW846 8270E SIM	1	06/20/2024 05:24	S7M	A
Indeno(1,2,3-cd)pyrene	0.0094	P1,P2	mg/kg	0.0050	0.00081	SW846 8270E SIM	1	06/20/2024 05:24	S7M	A
Naphthalene	0.040	P1,P2	mg/kg	0.0050	0.0011	SW846 8270E SIM	1	06/20/2024 05:24	S7M	A
Phenanthrene	0.087	P1,P2	mg/kg	0.0050	0.0011	SW846 8270E SIM	1	06/20/2024 05:24	S7M	A



## Results

Client Sample ID	MW-04 (10-12)	Collected	06/04/2024 14:35
Lab Sample ID	3363483023	Lab Receipt	06/08/2024 08:37

### SEMIVOLATILE SIM (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Pyrene	0.030	P1,P2	mg/kg	0.0050	0.00081	SW846 8270E SIM	1	06/20/2024 05:24	S7M	A

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
2-Methylnaphthalene-d10	7297-45-2	74.7%	50 - 150	06/20/2024 05:24	
Fluoranthene-d10	93951-69-0	85.4%	50 - 150	06/20/2024 05:24	

### SEMIVOLATILES

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1-Methylnaphthalene	0.10J	J,P1,P2	mg/kg	0.10	0.017	SW846 8270E	1	06/17/2024 13:01	S7M	A
2-Methylnaphthalene	0.086J	J,P1,P2	mg/kg	0.10	0.017	SW846 8270E	1	06/17/2024 13:01	S7M	A
Acenaphthene	0.017U	U,P1,P2	mg/kg	0.050	0.017	SW846 8270E	1	06/17/2024 13:01	S7M	A
Acenaphthylene	0.017U	U,9,P1,P2	mg/kg	0.050	0.017	SW846 8270E	1	06/17/2024 13:01	S7M	A
Anthracene	0.017U	U,P1,P2	mg/kg	0.050	0.017	SW846 8270E	1	06/17/2024 13:01	S7M	A
Benzo(a)anthracene	0.017U	U,P1,P2	mg/kg	0.050	0.017	SW846 8270E	1	06/17/2024 13:01	S7M	A
Benzo(a)pyrene	0.017U	U,P1,P2	mg/kg	0.050	0.017	SW846 8270E	1	06/17/2024 13:01	S7M	A
Benzo(b)fluoranthene	0.020J	J,P1,P2	mg/kg	0.050	0.017	SW846 8270E	1	06/17/2024 13:01	S7M	A
Benzo(g,h,i)perylene	0.036J	J,P1,P2	mg/kg	0.050	0.017	SW846 8270E	1	06/17/2024 13:01	S7M	A
Benzo(k)fluoranthene	0.017U	U,P1,P2	mg/kg	0.050	0.017	SW846 8270E	1	06/17/2024 13:01	S7M	A
Carbazole	0.017U	U,P1,P2	mg/kg	0.10	0.017	SW846 8270E	1	06/17/2024 13:01	S7M	A
Chrysene	0.028J	J,P1,P2	mg/kg	0.050	0.017	SW846 8270E	1	06/17/2024 13:01	S7M	A
Dibenzo(a,h)anthracene	0.017U	U,P1,P2	mg/kg	0.050	0.017	SW846 8270E	1	06/17/2024 13:01	S7M	A
Dibenzofuran	0.020J	J,P1,P2	mg/kg	0.10	0.017	SW846 8270E	1	06/17/2024 13:01	S7M	A
Fluoranthene	0.017U	U,P1,P2	mg/kg	0.050	0.017	SW846 8270E	1	06/17/2024 13:01	S7M	A
Fluorene	0.017U	U,P1,P2	mg/kg	0.050	0.017	SW846 8270E	1	06/17/2024 13:01	S7M	A
Indeno(1,2,3-cd)pyrene	0.017U	U,P1,P2	mg/kg	0.050	0.017	SW846 8270E	1	06/17/2024 13:01	S7M	A
Naphthalene	0.037J	J,P1,P2	mg/kg	0.050	0.017	SW846 8270E	1	06/17/2024 13:01	S7M	A
Phenanthrene	0.081	P1,P2	mg/kg	0.050	0.017	SW846 8270E	1	06/17/2024 13:01	S7M	A
Pyrene	0.025J	J,P1,P2	mg/kg	0.050	0.017	SW846 8270E	1	06/17/2024 13:01	S7M	A

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
2,4,6-Tribromophenol	118-79-6	58.9%	19 - 132	06/17/2024 13:01	
2-Fluorobiphenyl	321-60-8	58.1%	40 - 110	06/17/2024 13:01	
2-Fluorophenol	367-12-4	55.9%	26 - 116	06/17/2024 13:01	
Nitrobenzene-d5	4165-60-0	58.9%	38 - 112	06/17/2024 13:01	
Phenol-d5	4165-62-2	60.7%	35 - 111	06/17/2024 13:01	
Terphenyl-d14	98904-43-9	71.9%	45 - 126	06/17/2024 13:01	

### VOLATILE ORGANICS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1-Trichloroethane	0.00075U	U,P1,P2	mg/kg	0.0024	0.00075	SW846 8260D	1	06/13/2024 03:32	PDK	A2

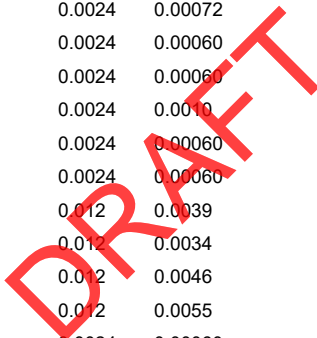


**Results**

Client Sample ID MW-04 (10-12) Collected 06/04/2024 14:35  
 Lab Sample ID 3363483023 Lab Receipt 06/08/2024 08:37

**VOLATILE ORGANICS (cont.)**

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,2,2-Tetrachloroethane	0.00067U	U,P1,P2	mg/kg	0.0024	0.00067	SW846 8260D	1	06/13/2024 03:32	PDK	A2
1,1,2-Trichloroethane	0.00067U	U,P1,P2	mg/kg	0.0024	0.00067	SW846 8260D	1	06/13/2024 03:32	PDK	A2
1,1-Dichloroethane	0.00060U	U,P1,P2	mg/kg	0.0024	0.00060	SW846 8260D	1	06/13/2024 03:32	PDK	A2
1,1-Dichloroethene	0.00063U	U,P1,P2	mg/kg	0.0024	0.00063	SW846 8260D	1	06/13/2024 03:32	PDK	A2
1,1-Dichloropropene	0.00060U	U,P1,P2	mg/kg	0.0024	0.00060	SW846 8260D	1	06/13/2024 03:32	PDK	A2
1,2,3-Trichlorobenzene	0.00060U	U,P1,P2	mg/kg	0.0060	0.00060	SW846 8260D	1	06/13/2024 03:32	PDK	A2
1,2,3-Trichloropropane	0.00060U	U,P1,P2	mg/kg	0.0024	0.00060	SW846 8260D	1	06/13/2024 03:32	PDK	A2
1,2,4-Trichlorobenzene	0.00060U	U,P1,P2	mg/kg	0.0060	0.00060	SW846 8260D	1	06/13/2024 03:32	PDK	A2
1,2,4-Trimethylbenzene	0.00060U	U,P1,P2	mg/kg	0.0024	0.00060	SW846 8260D	1	06/13/2024 03:32	PDK	A2
1,2-Dibromo-3-chloropropane	0.00030U	U,P1,P2	mg/kg	0.0024	0.00030	SW846 8260D	1	06/13/2024 03:32	PDK	A2
1,2-Dibromoethane	0.00065U	U,P1,P2	mg/kg	0.0024	0.00065	SW846 8260D	1	06/13/2024 03:32	PDK	A2
1,2-Dichlorobenzene	0.00060U	U,P1,P2	mg/kg	0.0024	0.00060	SW846 8260D	1	06/13/2024 03:32	PDK	A2
1,2-Dichloroethane	0.0065	P1,P2	mg/kg	0.0024	0.00060	SW846 8260D	1	06/13/2024 03:32	PDK	A2
1,2-Dichloropropane	0.00072U	U,P1,P2	mg/kg	0.0024	0.00072	SW846 8260D	1	06/13/2024 03:32	PDK	A2
1,3,5-Trimethylbenzene	0.00060U	U,P1,P2	mg/kg	0.0024	0.00060	SW846 8260D	1	06/13/2024 03:32	PDK	A2
1,3-Dichlorobenzene	0.00060U	U,P1,P2	mg/kg	0.0024	0.00060	SW846 8260D	1	06/13/2024 03:32	PDK	A2
1,3-Dichloropropane	0.0010U	U,P1,P2	mg/kg	0.0024	0.0010	SW846 8260D	1	06/13/2024 03:32	PDK	A2
1,4-Dichlorobenzene	0.00060U	U,P1,P2	mg/kg	0.0024	0.00060	SW846 8260D	1	06/13/2024 03:32	PDK	A2
2,2-Dichloropropane	0.00060U	U,P1,P2	mg/kg	0.0024	0.00060	SW846 8260D	1	06/13/2024 03:32	PDK	A2
2-Butanone	0.0039U	U,P1,P2	mg/kg	0.012	0.0039	SW846 8260D	1	06/13/2024 03:32	PDK	A2
2-Hexanone	0.0034U	U,P1,P2	mg/kg	0.012	0.0034	SW846 8260D	1	06/13/2024 03:32	PDK	A2
4-Methyl-2-Pentanone(MIBK)	0.0046U	U,P1,P2	mg/kg	0.012	0.0046	SW846 8260D	1	06/13/2024 03:32	PDK	A2
Acetone	0.0078J	J,P1,P2	mg/kg	0.012	0.0055	SW846 8260D	1	06/13/2024 03:32	PDK	A2
Benzene	0.012	P1,P2	mg/kg	0.0024	0.00060	SW846 8260D	1	06/13/2024 03:32	PDK	A2
Bromobenzene	0.00060U	U,P1,P2	mg/kg	0.0024	0.00060	SW846 8260D	1	06/13/2024 03:32	PDK	A2
Bromochloromethane	0.00060U	U,P1,P2	mg/kg	0.0024	0.00060	SW846 8260D	1	06/13/2024 03:32	PDK	A2
Bromodichloromethane	0.00086U	U,P1,P2	mg/kg	0.0024	0.00086	SW846 8260D	1	06/13/2024 03:32	PDK	A2
Bromoform	0.00063U	U,P1,P2	mg/kg	0.0024	0.00063	SW846 8260D	1	06/13/2024 03:32	PDK	A2
Bromomethane	0.00063U	U,P1,P2	mg/kg	0.0024	0.00063	SW846 8260D	1	06/13/2024 03:32	PDK	A2
Carbon Disulfide	0.00076U	U,P1,P2	mg/kg	0.0024	0.00076	SW846 8260D	1	06/13/2024 03:32	PDK	A2
Carbon Tetrachloride	0.00061U	U,P1,P2	mg/kg	0.0024	0.00061	SW846 8260D	1	06/13/2024 03:32	PDK	A2
Chlorobenzene	0.00061U	U,P1,P2	mg/kg	0.0024	0.00061	SW846 8260D	1	06/13/2024 03:32	PDK	A2
Chlorodibromomethane	0.00082U	U,P1,P2	mg/kg	0.0024	0.00082	SW846 8260D	1	06/13/2024 03:32	PDK	A2
Chloroethane	0.0010U	U,P1,P2	mg/kg	0.0060	0.0010	SW846 8260D	1	06/13/2024 03:32	PDK	A2
Chloroform	0.00064U	U,P1,P2	mg/kg	0.0024	0.00064	SW846 8260D	1	06/13/2024 03:32	PDK	A2
Chloromethane	0.00066U	U,P1,P2	mg/kg	0.0024	0.00066	SW846 8260D	1	06/13/2024 03:32	PDK	A2
cis-1,2-Dichloroethene	0.00060U	U,P1,P2	mg/kg	0.0024	0.00060	SW846 8260D	1	06/13/2024 03:32	PDK	A2
cis-1,3-Dichloropropene	0.00066U	U,P1,P2	mg/kg	0.0024	0.00066	SW846 8260D	1	06/13/2024 03:32	PDK	A2
Dibromomethane	0.00087U	U,P1,P2	mg/kg	0.0024	0.00087	SW846 8260D	1	06/13/2024 03:32	PDK	A2
Dichlorodifluoromethane	0.00081U	U,P1,P2	mg/kg	0.0024	0.00081	SW846 8260D	1	06/13/2024 03:32	PDK	A2
Ethylbenzene	0.00082U	U,P1,P2	mg/kg	0.0024	0.00082	SW846 8260D	1	06/13/2024 03:32	PDK	A2
Freon 113	0.00060U	U,10,P1, P2	mg/kg	0.0024	0.00060	SW846 8260D	1	06/13/2024 03:32	PDK	A2
Hexachlorobutadiene	0.00060U	U,P1,P2	mg/kg	0.0060	0.00060	SW846 8260D	1	06/13/2024 03:32	PDK	A2
Isopropylbenzene	0.00073U	U,P1,P2	mg/kg	0.0024	0.00073	SW846 8260D	1	06/13/2024 03:32	PDK	A2
Methyl t-Butyl Ether	0.00060U	U,P1,P2	mg/kg	0.0024	0.00060	SW846 8260D	1	06/13/2024 03:32	PDK	A2
Methylene Chloride	0.0041	P1,P2	mg/kg	0.0024	0.00094	SW846 8260D	1	06/13/2024 03:32	PDK	A2
mp-Xylene	0.0010U	U,P1,P2	mg/kg	0.0048	0.0010	SW846 8260D	1	06/13/2024 03:32	PDK	A2





## Results

Client Sample ID	MW-04 (10-12)	Collected	06/04/2024 14:35
Lab Sample ID	3363483023	Lab Receipt	06/08/2024 08:37

### VOLATILE ORGANICS (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Naphthalene	0.00060U	U,P1,P2	mg/kg	0.0024	0.00060	SW846 8260D	1	06/13/2024 03:32	PDK	A2
n-Butylbenzene	0.00060U	U,P1,P2	mg/kg	0.0024	0.00060	SW846 8260D	1	06/13/2024 03:32	PDK	A2
n-Propylbenzene	0.00060U	U,P1,P2	mg/kg	0.0024	0.00060	SW846 8260D	1	06/13/2024 03:32	PDK	A2
o-Chlorotoluene	0.00060U	U,P1,P2	mg/kg	0.0024	0.00060	SW846 8260D	1	06/13/2024 03:32	PDK	A2
o-Xylene	0.00070U	U,P1,P2	mg/kg	0.0024	0.00070	SW846 8260D	1	06/13/2024 03:32	PDK	A2
p-Chlorotoluene	0.00060U	U,P1,P2	mg/kg	0.0024	0.00060	SW846 8260D	1	06/13/2024 03:32	PDK	A2
p-Isopropyltoluene	0.00060U	U,P1,P2	mg/kg	0.0024	0.00060	SW846 8260D	1	06/13/2024 03:32	PDK	A2
sec-Butylbenzene	0.00060U	U,P1,P2	mg/kg	0.0024	0.00060	SW846 8260D	1	06/13/2024 03:32	PDK	A2
Styrene	0.00060U	U,P1,P2	mg/kg	0.0024	0.00060	SW846 8260D	1	06/13/2024 03:32	PDK	A2
tert-Butylbenzene	0.00066U	U,P1,P2	mg/kg	0.0024	0.00066	SW846 8260D	1	06/13/2024 03:32	PDK	A2
Tetrachloroethene	0.00072U	U,P1,P2	mg/kg	0.0024	0.00072	SW846 8260D	1	06/13/2024 03:32	PDK	A2
Toluene	0.00081U	U,P1,P2	mg/kg	0.0024	0.00081	SW846 8260D	1	06/13/2024 03:32	PDK	A2
Total Xylenes	0.0017U	U,P1,P2	mg/kg	0.0072	0.0017	SW846 8260D	1	06/13/2024 03:32	PDK	A2
trans-1,2-Dichloroethene	0.00063U	U,P1,P2	mg/kg	0.0024	0.00063	SW846 8260D	1	06/13/2024 03:32	PDK	A2
trans-1,3-Dichloropropene	0.00070U	U,P1,P2	mg/kg	0.0024	0.00070	SW846 8260D	1	06/13/2024 03:32	PDK	A2
Trichloroethene	0.00060U	U,P1,P2	mg/kg	0.0024	0.00060	SW846 8260D	1	06/13/2024 03:32	PDK	A2
Trichlorofluoromethane	0.00060U	U,P1,P2	mg/kg	0.0024	0.00060	SW846 8260D	1	06/13/2024 03:32	PDK	A2
Vinyl Chloride	0.00060U	U,P1,P2	mg/kg	0.0024	0.00060	SW846 8260D	1	06/13/2024 03:32	PDK	A2

### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	110%	56 - 124	06/13/2024 03:32	
4-Bromofluorobenzene	460-00-4	102%	51 - 128	06/13/2024 03:32	
Dibromofluoromethane	1868-53-7	104%	62 - 123	06/13/2024 03:32	
Toluene-d8	2037-26-5	101%	59 - 131	06/13/2024 03:32	

### WET CHEMISTRY

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Moisture	13.0	P1,P2	%	0.1	0.01	S2540G-11	1	06/11/2024 14:37	J1K	A
Total Solids	87.0	P1,P2	%	0.1	0.01	S2540G-11	1	06/11/2024 14:37	J1K	A



## Results

Client Sample ID	SB-14 (6-8)	Collected	06/04/2024 15:05
Lab Sample ID	3363483024	Lab Receipt	06/08/2024 08:37

### GASOLINE RANGE ORGANICS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Gasoline Range Organics	441	P1,P2,S9	mg/kg	221	37.6	SW846 8015D	2000	06/15/2024 06:23	JTH	A1

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
a,a,a-Trifluorotoluene	98-08-8	2670*%	72 - 134	06/15/2024 06:23	

### PETROLEUM HC's

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Diesel Range Organics C10-C28	1910	P1,P2,S9	mg/kg	250	68.5	SW846 8015D	20	06/18/2024 00:26	DXL	A

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
o-Terphenyl	84-15-1	0*%	36 - 122	06/18/2024 00:26	

### SEMIVOLATILE SIM

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,4-Dioxane	0.0028U	U,P1,P2,S9	mg/kg	0.0056	0.0028	SW846 8270E SIM	1	06/19/2024 09:30	S7M	A
1-Methylnaphthalene	1.9	E,P1,P2,S9	mg/kg	0.0056	0.0010	SW846 8270E SIM	1	06/19/2024 09:30	S7M	A
2-Methylnaphthalene	2.4	E,P1,P2,S9	mg/kg	0.0056	0.0015	SW846 8270E SIM	1	06/19/2024 09:30	S7M	A
Acenaphthene	0.24	P1,P2,S9	mg/kg	0.0056	0.0010	SW846 8270E SIM	1	06/19/2024 09:30	S7M	A
Acenaphthylene	0.0010U	U,P1,P2,S9	mg/kg	0.0056	0.0010	SW846 8270E SIM	1	06/19/2024 09:30	S7M	A
Anthracene	0.19	P1,P2,S9	mg/kg	0.0056	0.00090	SW846 8270E SIM	1	06/19/2024 09:30	S7M	A
Benzo(a)anthracene	0.0042J	J,P1,P2,S9	mg/kg	0.0056	0.00090	SW846 8270E SIM	1	06/19/2024 09:30	S7M	A
Benzo(a)pyrene	0.00090U	U,P1,P2,S9	mg/kg	0.0056	0.00090	SW846 8270E SIM	1	06/19/2024 09:30	S7M	A
Benzo(b)fluoranthene	0.00090U	U,P1,P2,S9	mg/kg	0.0056	0.00090	SW846 8270E SIM	1	06/19/2024 09:30	S7M	A
Benzo(g,h,i)perylene	0.0044J	J,P1,P2,S9	mg/kg	0.0056	0.0011	SW846 8270E SIM	1	06/19/2024 09:30	S7M	A
Benzo(k)fluoranthene	0.0010U	U,P1,P2,S9	mg/kg	0.0056	0.0010	SW846 8270E SIM	1	06/19/2024 09:30	S7M	A
Chrysene	0.0091	P1,P2,S9	mg/kg	0.0056	0.0010	SW846 8270E SIM	1	06/19/2024 09:30	S7M	A
Dibenzo(a,h)anthracene	0.00079U	U,P1,P2,S9	mg/kg	0.0056	0.00079	SW846 8270E SIM	1	06/19/2024 09:30	S7M	A
Fluoranthene	0.026	P1,P2,S9	mg/kg	0.0056	0.0010	SW846 8270E SIM	1	06/19/2024 09:30	S7M	A
Fluorene	0.60	P1,P2,S9	mg/kg	0.0056	0.0011	SW846 8270E SIM	1	06/19/2024 09:30	S7M	A
Indeno(1,2,3-cd)pyrene	0.00090U	U,P1,P2,S9	mg/kg	0.0056	0.00090	SW846 8270E SIM	1	06/19/2024 09:30	S7M	A
Naphthalene	0.44	P1,P2,S9	mg/kg	0.0056	0.0012	SW846 8270E SIM	1	06/19/2024 09:30	S7M	A
Phenanthrene	2.6	E,P1,P2,S9	mg/kg	0.0056	0.0012	SW846 8270E SIM	1	06/19/2024 09:30	S7M	A





## Results

Client Sample ID	SB-14 (6-8)	Collected	06/04/2024 15:05
Lab Sample ID	3363483024	Lab Receipt	06/08/2024 08:37

### SEMIVOLATILE SIM (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Pyrene	0.048	P1,P2,S9	mg/kg	0.0056	0.00090	SW846 8270E SIM	1	06/19/2024 09:30	S7M	A

### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
2-Methylnaphthalene-d10	7297-45-2	74.4%	50 - 150	06/19/2024 09:30	
Fluoranthene-d10	93951-69-0	96.6%	50 - 150	06/19/2024 09:30	

### SEMIVOLATILES

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1-Methylnaphthalene	2.6	P1,P2,S9	mg/kg	0.11	0.019	SW846 8270E	1	06/17/2024 13:27	S7M	A
2-Methylnaphthalene	3.4	P1,P2,S9	mg/kg	0.11	0.019	SW846 8270E	1	06/17/2024 13:27	S7M	A
Acenaphthene	0.019U	U,P1,P2,S9	mg/kg	0.056	0.019	SW846 8270E	1	06/17/2024 13:27	S7M	A
Acenaphthylene	0.019U	U,P1,P2,S9	mg/kg	0.056	0.019	SW846 8270E	1	06/17/2024 13:27	S7M	A
Anthracene	0.25	P1,P2,S9	mg/kg	0.056	0.019	SW846 8270E	1	06/17/2024 13:27	S7M	A
Benzo(a)anthracene	0.019U	U,P1,P2,S9	mg/kg	0.056	0.019	SW846 8270E	1	06/17/2024 13:27	S7M	A
Benzo(a)pyrene	0.019U	U,P1,P2,S9	mg/kg	0.056	0.019	SW846 8270E	1	06/17/2024 13:27	S7M	A
Benzo(b)fluoranthene	0.019U	U,P1,P2,S9	mg/kg	0.056	0.019	SW846 8270E	1	06/17/2024 13:27	S7M	A
Benzo(g,h,i)perylene	0.019U	U,P1,P2,S9	mg/kg	0.056	0.019	SW846 8270E	1	06/17/2024 13:27	S7M	A
Benzo(k)fluoranthene	0.019U	U,P1,P2,S9	mg/kg	0.056	0.019	SW846 8270E	1	06/17/2024 13:27	S7M	A
Carbazole	0.019U	U,P1,P2,S9	mg/kg	0.11	0.019	SW846 8270E	1	06/17/2024 13:27	S7M	A
Chrysene	0.019U	U,P1,P2,S9	mg/kg	0.056	0.019	SW846 8270E	1	06/17/2024 13:27	S7M	A
Dibenzo(a,h)anthracene	0.019U	U,P1,P2,S9	mg/kg	0.056	0.019	SW846 8270E	1	06/17/2024 13:27	S7M	A
Dibenzofuran	0.50	P1,P2,S9	mg/kg	0.11	0.019	SW846 8270E	1	06/17/2024 13:27	S7M	A
Fluoranthene	0.019U	U,P1,P2,S9	mg/kg	0.056	0.019	SW846 8270E	1	06/17/2024 13:27	S7M	A
Fluorene	0.019U	U,P1,P2,S9	mg/kg	0.056	0.019	SW846 8270E	1	06/17/2024 13:27	S7M	A
Indeno(1,2,3-cd)pyrene	0.019U	U,P1,P2,S9	mg/kg	0.056	0.019	SW846 8270E	1	06/17/2024 13:27	S7M	A
Naphthalene	0.46	P1,P2,S9	mg/kg	0.056	0.019	SW846 8270E	1	06/17/2024 13:27	S7M	A
Phenanthrene	3.1	P1,P2,S9	mg/kg	0.056	0.019	SW846 8270E	1	06/17/2024 13:27	S7M	A
Pyrene	0.060	P1,P2,S9	mg/kg	0.056	0.019	SW846 8270E	1	06/17/2024 13:27	S7M	A

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## Results

Client Sample ID	SB-14 (6-8)	Collected	06/04/2024 15:05
Lab Sample ID	3363483024	Lab Receipt	06/08/2024 08:37

### SEMIVOLATILES (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
<i>SURROGATES</i>										
Compound	CAS No			Recovery		Limits(%)		Analysis Date/Time		Qualifiers
2,4,6-Tribromophenol	118-79-6			69.9%		19 - 132		06/17/2024 13:27		
2-Fluorobiphenyl	321-60-8			64.3%		40 - 110		06/17/2024 13:27		
2-Fluorophenol	367-12-4			63.2%		26 - 116		06/17/2024 13:27		
Nitrobenzene-d5	4165-60-0			68.5%		38 - 112		06/17/2024 13:27		
Phenol-d5	4165-62-2			67.5%		35 - 111		06/17/2024 13:27		
Terphenyl-d14	98904-43-9			79.4%		45 - 126		06/17/2024 13:27		

### VOLATILE ORGANICS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1-Trichloroethane	0.061U	U,P1,P2,S9	mg/kg	0.28	0.061	SW846 8260D	250	06/14/2024 23:24	BST	A1
1,1,2,2-Tetrachloroethane	0.094U	U,P1,P2,S9	mg/kg	0.28	0.094	SW846 8260D	250	06/14/2024 23:24	BST	A1
1,1,2-Trichloroethane	0.091U	U,P1,P2,S9	mg/kg	0.28	0.091	SW846 8260D	250	06/14/2024 23:24	BST	A1
1,1-Dichloroethane	0.077U	U,P1,P2,S9	mg/kg	0.28	0.077	SW846 8260D	250	06/14/2024 23:24	BST	A1
1,1-Dichloroethene	0.080U	U,P1,P2,S9	mg/kg	0.28	0.080	SW846 8260D	250	06/14/2024 23:24	BST	A1
1,1-Dichloropropene	0.075U	U,P1,P2,S9	mg/kg	0.28	0.075	SW846 8260D	250	06/14/2024 23:24	BST	A1
1,2,3-Trichlorobenzene	0.26U	U,P1,P2,S9	mg/kg	0.55	0.26	SW846 8260D	250	06/14/2024 23:24	BST	A1
1,2,3-Trichloropropane	0.17U	U,P1,P2,S9	mg/kg	0.55	0.17	SW846 8260D	250	06/14/2024 23:24	BST	A1
1,2,4-Trichlorobenzene	0.23U	U,P1,P2,S9	mg/kg	0.55	0.23	SW846 8260D	250	06/14/2024 23:24	BST	A1
1,2,4-Trimethylbenzene	0.069U	U,P1,P2,S9	mg/kg	0.28	0.069	SW846 8260D	250	06/14/2024 23:24	BST	A1
1,2-Dibromo-3-chloropropane	0.41U	U,P1,P2,S9	mg/kg	1.9	0.41	SW846 8260D	250	06/14/2024 23:24	BST	A1
1,2-Dibromoethane	0.077U	U,P1,P2,S9	mg/kg	0.28	0.077	SW846 8260D	250	06/14/2024 23:24	BST	A1
1,2-Dichlorobenzene	0.10U	U,P1,P2,S9	mg/kg	0.28	0.10	SW846 8260D	250	06/14/2024 23:24	BST	A1
1,2-Dichloroethane	0.088U	U,P1,P2,S9	mg/kg	0.28	0.088	SW846 8260D	250	06/14/2024 23:24	BST	A1
1,2-Dichloropropane	0.066U	U,P1,P2,S9	mg/kg	0.28	0.066	SW846 8260D	250	06/14/2024 23:24	BST	A1
1,3,5-Trimethylbenzene	0.055U	U,P1,P2,S9	mg/kg	0.28	0.055	SW846 8260D	250	06/14/2024 23:24	BST	A1
1,3-Dichlorobenzene	0.069U	U,P1,P2,S9	mg/kg	0.28	0.069	SW846 8260D	250	06/14/2024 23:24	BST	A1
1,3-Dichloropropane	0.075U	U,P1,P2,S9	mg/kg	0.28	0.075	SW846 8260D	250	06/14/2024 23:24	BST	A1
1,4-Dichlorobenzene	0.075U	U,P1,P2,S9	mg/kg	0.28	0.075	SW846 8260D	250	06/14/2024 23:24	BST	A1
2,2-Dichloropropane	0.088U	U,P1,P2,S9	mg/kg	0.28	0.088	SW846 8260D	250	06/14/2024 23:24	BST	A1
2-Butanone	0.50U	U,P1,P2,S9	mg/kg	2.8	0.50	SW846 8260D	250	06/14/2024 23:24	BST	A1
2-Hexanone	0.36U	U,P1,P2,S9	mg/kg	1.4	0.36	SW846 8260D	250	06/14/2024 23:24	BST	A1
4-Methyl-2-Pentanone(MIBK)	0.41U	U,P1,P2,S9	mg/kg	1.4	0.41	SW846 8260D	250	06/14/2024 23:24	BST	A1
Acetone	0.86U	U,P1,P2,S9	mg/kg	2.8	0.86	SW846 8260D	250	06/14/2024 23:24	BST	A1
Benzene	0.064U	U,P1,P2,S9	mg/kg	0.28	0.064	SW846 8260D	250	06/14/2024 23:24	BST	A1



**Results**

Client Sample ID SB-14 (6-8) Collected 06/04/2024 15:05  
 Lab Sample ID 3363483024 Lab Receipt 06/08/2024 08:37

**VOLATILE ORGANICS (cont.)**

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Bromobenzene	0.088U	U,P1,P2,S9	mg/kg	0.28	0.088	SW846 8260D	250	06/14/2024 23:24	BST	A1
Bromochloromethane	0.088U	U,P1,P2,S9	mg/kg	0.28	0.088	SW846 8260D	250	06/14/2024 23:24	BST	A1
Bromodichloromethane	0.075U	U,P1,P2,S9	mg/kg	0.28	0.075	SW846 8260D	250	06/14/2024 23:24	BST	A1
Bromoform	0.11U	U,P1,P2,S9	mg/kg	0.28	0.11	SW846 8260D	250	06/14/2024 23:24	BST	A1
Bromomethane	0.11U	U,11,P1,P2,S9	mg/kg	0.28	0.11	SW846 8260D	250	06/14/2024 23:24	BST	A1
Carbon Disulfide	0.064U	U,P1,P2,S9	mg/kg	0.28	0.064	SW846 8260D	250	06/14/2024 23:24	BST	A1
Carbon Tetrachloride	0.086U	U,P1,P2,S9	mg/kg	0.28	0.086	SW846 8260D	250	06/14/2024 23:24	BST	A1
Chlorobenzene	0.052U	U,P1,P2,S9	mg/kg	0.28	0.052	SW846 8260D	250	06/14/2024 23:24	BST	A1
Chlorodibromomethane	0.12U	U,P1,P2,S9	mg/kg	0.28	0.12	SW846 8260D	250	06/14/2024 23:24	BST	A1
Chloroethane	0.091U	U,P1,P2,S9	mg/kg	0.28	0.091	SW846 8260D	250	06/14/2024 23:24	BST	A1
Chloroform	0.058U	U,P1,P2,S9	mg/kg	0.28	0.058	SW846 8260D	250	06/14/2024 23:24	BST	A1
Chloromethane	0.086U	U,P1,P2,S9	mg/kg	0.28	0.086	SW846 8260D	250	06/14/2024 23:24	BST	A1
cis-1,2-Dichloroethene	0.088U	U,P1,P2,S9	mg/kg	0.28	0.088	SW846 8260D	250	06/14/2024 23:24	BST	A1
cis-1,3-Dichloropropene	0.086U	U,P1,P2,S9	mg/kg	0.28	0.086	SW846 8260D	250	06/14/2024 23:24	BST	A1
Dibromomethane	0.086U	U,P1,P2,S9	mg/kg	0.28	0.086	SW846 8260D	250	06/14/2024 23:24	BST	A1
Dichlorodifluoromethane	0.091U	U,P1,P2,S9	mg/kg	0.28	0.091	SW846 8260D	250	06/14/2024 23:24	BST	A1
Ethylbenzene	1.0	P1,P2,S9	mg/kg	0.28	0.094	SW846 8260D	250	06/14/2024 23:24	BST	A1
Freon 113	0.072U	U,P1,P2,S9	mg/kg	0.28	0.072	SW846 8260D	250	06/14/2024 23:24	BST	A1
Hexachlorobutadiene	0.28U	U,P1,P2,S9	mg/kg	1.4	0.28	SW846 8260D	250	06/14/2024 23:24	BST	A1
Isopropylbenzene	1.3	P1,P2,S9	mg/kg	0.28	0.061	SW846 8260D	250	06/14/2024 23:24	BST	A1
Methyl t-Butyl Ether	0.091U	U,P1,P2,S9	mg/kg	0.28	0.091	SW846 8260D	250	06/14/2024 23:24	BST	A1
Methylene Chloride	0.12U	U,P1,P2,S9	mg/kg	0.28	0.12	SW846 8260D	250	06/14/2024 23:24	BST	A1
mp-Xylene	0.24J	J,P1,P2,S9	mg/kg	0.55	0.14	SW846 8260D	250	06/14/2024 23:24	BST	A1
Naphthalene	4.3	P1,P2,S9	mg/kg	0.55	0.094	SW846 8260D	250	06/14/2024 23:24	BST	A1
n-Butylbenzene	1.7	P1,P2,S9	mg/kg	0.55	0.17	SW846 8260D	250	06/14/2024 23:24	BST	A1
n-Propylbenzene	2.6	P1,P2,S9	mg/kg	0.28	0.091	SW846 8260D	250	06/14/2024 23:24	BST	A1
o-Chlorotoluene	0.072U	U,P1,P2,S9	mg/kg	0.28	0.072	SW846 8260D	250	06/14/2024 23:24	BST	A1
o-Xylene	0.091U	U,P1,P2,S9	mg/kg	0.28	0.091	SW846 8260D	250	06/14/2024 23:24	BST	A1
p-Chlorotoluene	0.091U	U,P1,P2,S9	mg/kg	0.28	0.091	SW846 8260D	250	06/14/2024 23:24	BST	A1
p-Isopropyltoluene	0.95	P1,P2,S9	mg/kg	0.28	0.088	SW846 8260D	250	06/14/2024 23:24	BST	A1
sec-Butylbenzene	0.91	P1,P2,S9	mg/kg	0.28	0.086	SW846 8260D	250	06/14/2024 23:24	BST	A1
Styrene	0.066U	U,P1,P2,S9	mg/kg	0.28	0.066	SW846 8260D	250	06/14/2024 23:24	BST	A1
tert-Butylbenzene	0.12U	U,P1,P2,S9	mg/kg	0.55	0.12	SW846 8260D	250	06/14/2024 23:24	BST	A1
Tetrachloroethene	0.097U	U,P1,P2,S9	mg/kg	0.28	0.097	SW846 8260D	250	06/14/2024 23:24	BST	A1
Toluene	0.064U	U,P1,P2,S9	mg/kg	0.28	0.064	SW846 8260D	250	06/14/2024 23:24	BST	A1
Total Xylenes	0.24J	J,P1,P2,S9	mg/kg	0.83	0.18	SW846 8260D	250	06/14/2024 23:24	BST	A1

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## Results

Client Sample ID	SB-14 (6-8)	Collected	06/04/2024 15:05
Lab Sample ID	3363483024	Lab Receipt	06/08/2024 08:37

### VOLATILE ORGANICS (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
trans-1,2-Dichloroethene	0.072U	U,P1,P2,S9	mg/kg	0.28	0.072	SW846 8260D	250	06/14/2024 23:24	BST	A1
trans-1,3-Dichloropropene	0.080U	U,P1,P2,S9	mg/kg	0.28	0.080	SW846 8260D	250	06/14/2024 23:24	BST	A1
Trichloroethene	0.091U	U,P1,P2,S9	mg/kg	0.28	0.091	SW846 8260D	250	06/14/2024 23:24	BST	A1
Trichlorofluoromethane	0.066U	U,P1,P2,S9	mg/kg	0.28	0.066	SW846 8260D	250	06/14/2024 23:24	BST	A1
Vinyl Chloride	0.083U	U,P1,P2,S9	mg/kg	0.28	0.083	SW846 8260D	250	06/14/2024 23:24	BST	A1

### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	95.5%	71 - 146	06/14/2024 23:24	
4-Bromofluorobenzene	460-00-4	98.8%	46 - 138	06/14/2024 23:24	
Dibromofluoromethane	1868-53-7	82.8%	42 - 143	06/14/2024 23:24	
Toluene-d8	2037-26-5	92.9%	54 - 141	06/14/2024 23:24	

### WET CHEMISTRY

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Moisture	15.9	P1,P2,S9	%	0.1	0.01	S2540G-11	1	06/11/2024 14:37	J1K	A
Total Solids	84.1	P1,P2,S9	%	0.1	0.01	S2540G-11	1	06/11/2024 14:37	J1K	A

DRAFT



## Results

Client Sample ID	SB-14 (10-12)	Collected	06/04/2024 15:05
Lab Sample ID	3363483025	Lab Receipt	06/08/2024 08:37

### GASOLINE RANGE ORGANICS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Gasoline Range Organics	4.2J	J,P1,P2	mg/kg	12.1	2.1	SW846 8015D	100	06/15/2024 04:15	JTH	A1

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
a,a,a-Trifluorotoluene	98-08-8	102%	72 - 134	06/15/2024 04:15	

### PETROLEUM HC's

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Diesel Range Organics C10-C28	30.6	P1,P2	mg/kg	11.5	3.1	SW846 8015D	1	06/15/2024 14:12	KJH	A

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
o-Terphenyl	84-15-1	81%	36 - 122	06/15/2024 14:12	

### SEMIVOLATILE SIM

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,4-Dioxane	0.0026U	U,P1,P2	mg/kg	0.0051	0.0026	SW846 8270E SIM	1	06/19/2024 09:58	S7M	A
1-Methylnaphthalene	0.12	P1,P2	mg/kg	0.0051	0.00092	SW846 8270E SIM	1	06/19/2024 09:58	S7M	A
2-Methylnaphthalene	0.10	P1,P2	mg/kg	0.0051	0.0013	SW846 8270E SIM	1	06/19/2024 09:58	S7M	A
Acenaphthene	0.00092U	U,P1,P2	mg/kg	0.0051	0.00092	SW846 8270E SIM	1	06/19/2024 09:58	S7M	A
Acenaphthylene	0.00092U	U,P1,P2	mg/kg	0.0051	0.00092	SW846 8270E SIM	1	06/19/2024 09:58	S7M	A
Anthracene	0.0028J	J,P1,P2	mg/kg	0.0051	0.00082	SW846 8270E SIM	1	06/19/2024 09:58	S7M	A
Benzo(a)anthracene	0.014	P1,P2	mg/kg	0.0051	0.00082	SW846 8270E SIM	1	06/19/2024 09:58	S7M	A
Benzo(a)pyrene	0.013	P1,P2	mg/kg	0.0051	0.00082	SW846 8270E SIM	1	06/19/2024 09:58	S7M	A
Benzo(b)fluoranthene	0.026	P1,P2	mg/kg	0.0051	0.00082	SW846 8270E SIM	1	06/19/2024 09:58	S7M	A
Benzo(g,h,i)perylene	0.051	P1,P2	mg/kg	0.0051	0.0010	SW846 8270E SIM	1	06/19/2024 09:58	S7M	A
Benzo(k)fluoranthene	0.011	P1,P2	mg/kg	0.0051	0.00092	SW846 8270E SIM	1	06/19/2024 09:58	S7M	A
Chrysene	0.041	P1,P2	mg/kg	0.0051	0.00092	SW846 8270E SIM	1	06/19/2024 09:58	S7M	A
Dibenzo(a,h)anthracene	0.0070	P1,P2	mg/kg	0.0051	0.00071	SW846 8270E SIM	1	06/19/2024 09:58	S7M	A
Fluoranthene	0.033	P1,P2	mg/kg	0.0051	0.00092	SW846 8270E SIM	1	06/19/2024 09:58	S7M	A
Fluorene	0.011	P1,P2	mg/kg	0.0051	0.0010	SW846 8270E SIM	1	06/19/2024 09:58	S7M	A
Indeno(1,2,3-cd)pyrene	0.011	P1,P2	mg/kg	0.0051	0.00082	SW846 8270E SIM	1	06/19/2024 09:58	S7M	A
Naphthalene	0.032	P1,P2	mg/kg	0.0051	0.0011	SW846 8270E SIM	1	06/19/2024 09:58	S7M	A
Phenanthrene	0.14	P1,P2	mg/kg	0.0051	0.0011	SW846 8270E SIM	1	06/19/2024 09:58	S7M	A



## Results

Client Sample ID	SB-14 (10-12)	Collected	06/04/2024 15:05
Lab Sample ID	3363483025	Lab Receipt	06/08/2024 08:37

### SEMIVOLATILE SIM (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Pyrene	0.044	P1,P2	mg/kg	0.0051	0.00082	SW846 8270E SIM	1	06/19/2024 09:58	S7M	A

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
2-Methylnaphthalene-d10	7297-45-2	67.1%	50 - 150	06/19/2024 09:58	
Fluoranthene-d10	93951-69-0	78%	50 - 150	06/19/2024 09:58	

### SEMIVOLATILES

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1-Methylnaphthalene	0.12	P1,P2	mg/kg	0.10	0.017	SW846 8270E	1	06/17/2024 13:52	S7M	A
2-Methylnaphthalene	0.11	P1,P2	mg/kg	0.10	0.017	SW846 8270E	1	06/17/2024 13:52	S7M	A
Acenaphthene	0.017U	U,P1,P2	mg/kg	0.051	0.017	SW846 8270E	1	06/17/2024 13:52	S7M	A
Acenaphthylene	0.017U	U,9,P1,P2	mg/kg	0.051	0.017	SW846 8270E	1	06/17/2024 13:52	S7M	A
Anthracene	0.017U	U,P1,P2	mg/kg	0.051	0.017	SW846 8270E	1	06/17/2024 13:52	S7M	A
Benzo(a)anthracene	0.018J	J,P1,P2	mg/kg	0.051	0.017	SW846 8270E	1	06/17/2024 13:52	S7M	A
Benzo(a)pyrene	0.017U	U,P1,P2	mg/kg	0.051	0.017	SW846 8270E	1	06/17/2024 13:52	S7M	A
Benzo(b)fluoranthene	0.030J	J,P1,P2	mg/kg	0.051	0.017	SW846 8270E	1	06/17/2024 13:52	S7M	A
Benzo(g,h,i)perylene	0.052	P1,P2	mg/kg	0.051	0.017	SW846 8270E	1	06/17/2024 13:52	S7M	A
Benzo(k)fluoranthene	0.017U	U,P1,P2	mg/kg	0.051	0.017	SW846 8270E	1	06/17/2024 13:52	S7M	A
Carbazole	0.017U	U,P1,P2	mg/kg	0.10	0.017	SW846 8270E	1	06/17/2024 13:52	S7M	A
Chrysene	0.043J	J,P1,P2	mg/kg	0.051	0.017	SW846 8270E	1	06/17/2024 13:52	S7M	A
Dibenzo(a,h)anthracene	0.017U	U,P1,P2	mg/kg	0.051	0.017	SW846 8270E	1	06/17/2024 13:52	S7M	A
Dibenzofuran	0.033J	J,P1,P2	mg/kg	0.10	0.017	SW846 8270E	1	06/17/2024 13:52	S7M	A
Fluoranthene	0.035J	J,P1,P2	mg/kg	0.051	0.017	SW846 8270E	1	06/17/2024 13:52	S7M	A
Fluorene	0.017U	U,P1,P2	mg/kg	0.051	0.017	SW846 8270E	1	06/17/2024 13:52	S7M	A
Indeno(1,2,3-cd)pyrene	0.017U	U,P1,P2	mg/kg	0.051	0.017	SW846 8270E	1	06/17/2024 13:52	S7M	A
Naphthalene	0.037J	J,P1,P2	mg/kg	0.051	0.017	SW846 8270E	1	06/17/2024 13:52	S7M	A
Phenanthrene	0.15	P1,P2	mg/kg	0.051	0.017	SW846 8270E	1	06/17/2024 13:52	S7M	A
Pyrene	0.045J	J,P1,P2	mg/kg	0.051	0.017	SW846 8270E	1	06/17/2024 13:52	S7M	A

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
2,4,6-Tribromophenol	118-79-6	58.1%	19 - 132	06/17/2024 13:52	
2-Fluorobiphenyl	321-60-8	60.6%	40 - 110	06/17/2024 13:52	
2-Fluorophenol	367-12-4	54.9%	26 - 116	06/17/2024 13:52	
Nitrobenzene-d5	4165-60-0	61.3%	38 - 112	06/17/2024 13:52	
Phenol-d5	4165-62-2	60.5%	35 - 111	06/17/2024 13:52	
Terphenyl-d14	98904-43-9	76.4%	45 - 126	06/17/2024 13:52	

### VOLATILE ORGANICS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1-Trichloroethane	0.00071U	U,P1,P2	mg/kg	0.0023	0.00071	SW846 8260D	1	06/13/2024 03:58	PDK	A2



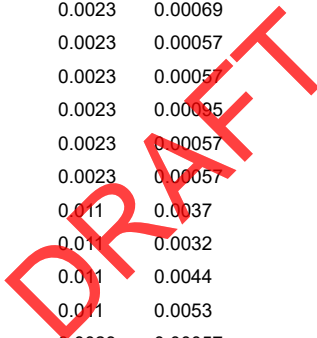


**Results**

Client Sample ID SB-14 (10-12) Collected 06/04/2024 15:05  
 Lab Sample ID 3363483025 Lab Receipt 06/08/2024 08:37

**VOLATILE ORGANICS (cont.)**

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,2,2-Tetrachloroethane	0.00064U	U,P1,P2	mg/kg	0.0023	0.00064	SW846 8260D	1	06/13/2024 03:58	PDK	A2
1,1,2-Trichloroethane	0.00064U	U,P1,P2	mg/kg	0.0023	0.00064	SW846 8260D	1	06/13/2024 03:58	PDK	A2
1,1-Dichloroethane	0.00057U	U,P1,P2	mg/kg	0.0023	0.00057	SW846 8260D	1	06/13/2024 03:58	PDK	A2
1,1-Dichloroethene	0.00060U	U,P1,P2	mg/kg	0.0023	0.00060	SW846 8260D	1	06/13/2024 03:58	PDK	A2
1,1-Dichloropropene	0.00057U	U,P1,P2	mg/kg	0.0023	0.00057	SW846 8260D	1	06/13/2024 03:58	PDK	A2
1,2,3-Trichlorobenzene	0.00057U	U,P1,P2	mg/kg	0.0057	0.00057	SW846 8260D	1	06/13/2024 03:58	PDK	A2
1,2,3-Trichloropropane	0.00057U	U,P1,P2	mg/kg	0.0023	0.00057	SW846 8260D	1	06/13/2024 03:58	PDK	A2
1,2,4-Trichlorobenzene	0.00057U	U,P1,P2	mg/kg	0.0057	0.00057	SW846 8260D	1	06/13/2024 03:58	PDK	A2
1,2,4-Trimethylbenzene	0.00057U	U,P1,P2	mg/kg	0.0023	0.00057	SW846 8260D	1	06/13/2024 03:58	PDK	A2
1,2-Dibromo-3-chloropropane	0.00029U	U,P1,P2	mg/kg	0.0023	0.00029	SW846 8260D	1	06/13/2024 03:58	PDK	A2
1,2-Dibromoethane	0.00062U	U,P1,P2	mg/kg	0.0023	0.00062	SW846 8260D	1	06/13/2024 03:58	PDK	A2
1,2-Dichlorobenzene	0.00057U	U,P1,P2	mg/kg	0.0023	0.00057	SW846 8260D	1	06/13/2024 03:58	PDK	A2
1,2-Dichloroethane	0.00057U	U,P1,P2	mg/kg	0.0023	0.00057	SW846 8260D	1	06/13/2024 03:58	PDK	A2
1,2-Dichloropropane	0.00069U	U,P1,P2	mg/kg	0.0023	0.00069	SW846 8260D	1	06/13/2024 03:58	PDK	A2
1,3,5-Trimethylbenzene	0.00057U	U,P1,P2	mg/kg	0.0023	0.00057	SW846 8260D	1	06/13/2024 03:58	PDK	A2
1,3-Dichlorobenzene	0.00057U	U,P1,P2	mg/kg	0.0023	0.00057	SW846 8260D	1	06/13/2024 03:58	PDK	A2
1,3-Dichloropropane	0.00095U	U,P1,P2	mg/kg	0.0023	0.00095	SW846 8260D	1	06/13/2024 03:58	PDK	A2
1,4-Dichlorobenzene	0.00057U	U,P1,P2	mg/kg	0.0023	0.00057	SW846 8260D	1	06/13/2024 03:58	PDK	A2
2,2-Dichloropropane	0.00057U	U,P1,P2	mg/kg	0.0023	0.00057	SW846 8260D	1	06/13/2024 03:58	PDK	A2
2-Butanone	0.0037U	U,P1,P2	mg/kg	0.011	0.0037	SW846 8260D	1	06/13/2024 03:58	PDK	A2
2-Hexanone	0.0032U	U,P1,P2	mg/kg	0.011	0.0032	SW846 8260D	1	06/13/2024 03:58	PDK	A2
4-Methyl-2-Pentanone(MIBK)	0.0044U	U,P1,P2	mg/kg	0.011	0.0044	SW846 8260D	1	06/13/2024 03:58	PDK	A2
Acetone	0.017	P1,P2	mg/kg	0.011	0.0053	SW846 8260D	1	06/13/2024 03:58	PDK	A2
Benzene	0.00057U	U,P1,P2	mg/kg	0.0023	0.00057	SW846 8260D	1	06/13/2024 03:58	PDK	A2
Bromobenzene	0.00057U	U,P1,P2	mg/kg	0.0023	0.00057	SW846 8260D	1	06/13/2024 03:58	PDK	A2
Bromochloromethane	0.00057U	U,P1,P2	mg/kg	0.0023	0.00057	SW846 8260D	1	06/13/2024 03:58	PDK	A2
Bromodichloromethane	0.00082U	U,P1,P2	mg/kg	0.0023	0.00082	SW846 8260D	1	06/13/2024 03:58	PDK	A2
Bromoform	0.00060U	U,P1,P2	mg/kg	0.0023	0.00060	SW846 8260D	1	06/13/2024 03:58	PDK	A2
Bromomethane	0.00060U	U,P1,P2	mg/kg	0.0023	0.00060	SW846 8260D	1	06/13/2024 03:58	PDK	A2
Carbon Disulfide	0.0012J	J,P1,P2	mg/kg	0.0023	0.00072	SW846 8260D	1	06/13/2024 03:58	PDK	A2
Carbon Tetrachloride	0.00059U	U,P1,P2	mg/kg	0.0023	0.00059	SW846 8260D	1	06/13/2024 03:58	PDK	A2
Chlorobenzene	0.00059U	U,P1,P2	mg/kg	0.0023	0.00059	SW846 8260D	1	06/13/2024 03:58	PDK	A2
Chlorodibromomethane	0.00078U	U,P1,P2	mg/kg	0.0023	0.00078	SW846 8260D	1	06/13/2024 03:58	PDK	A2
Chloroethane	0.00098U	U,P1,P2	mg/kg	0.0057	0.00098	SW846 8260D	1	06/13/2024 03:58	PDK	A2
Chloroform	0.00061U	U,P1,P2	mg/kg	0.0023	0.00061	SW846 8260D	1	06/13/2024 03:58	PDK	A2
Chloromethane	0.00063U	U,P1,P2	mg/kg	0.0023	0.00063	SW846 8260D	1	06/13/2024 03:58	PDK	A2
cis-1,2-Dichloroethene	0.00057U	U,P1,P2	mg/kg	0.0023	0.00057	SW846 8260D	1	06/13/2024 03:58	PDK	A2
cis-1,3-Dichloropropene	0.00063U	U,P1,P2	mg/kg	0.0023	0.00063	SW846 8260D	1	06/13/2024 03:58	PDK	A2
Dibromomethane	0.00083U	U,P1,P2	mg/kg	0.0023	0.00083	SW846 8260D	1	06/13/2024 03:58	PDK	A2
Dichlorodifluoromethane	0.00077U	U,P1,P2	mg/kg	0.0023	0.00077	SW846 8260D	1	06/13/2024 03:58	PDK	A2
Ethylbenzene	0.00078U	U,P1,P2	mg/kg	0.0023	0.00078	SW846 8260D	1	06/13/2024 03:58	PDK	A2
Freon 113	0.00057U	U,10,P1, P2	mg/kg	0.0023	0.00057	SW846 8260D	1	06/13/2024 03:58	PDK	A2
Hexachlorobutadiene	0.00057U	U,P1,P2	mg/kg	0.0057	0.00057	SW846 8260D	1	06/13/2024 03:58	PDK	A2
Isopropylbenzene	0.00070U	U,P1,P2	mg/kg	0.0023	0.00070	SW846 8260D	1	06/13/2024 03:58	PDK	A2
Methyl t-Butyl Ether	0.00057U	U,P1,P2	mg/kg	0.0023	0.00057	SW846 8260D	1	06/13/2024 03:58	PDK	A2
Methylene Chloride	0.0085	P1,P2	mg/kg	0.0023	0.00090	SW846 8260D	1	06/13/2024 03:58	PDK	A2
mp-Xylene	0.00095U	U,P1,P2	mg/kg	0.0046	0.00095	SW846 8260D	1	06/13/2024 03:58	PDK	A2





**Results**

Client Sample ID	SB-14 (10-12)	Collected	06/04/2024 15:05
Lab Sample ID	3363483025	Lab Receipt	06/08/2024 08:37

**VOLATILE ORGANICS (cont.)**

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Naphthalene	0.00057U	U,P1,P2	mg/kg	0.0023	0.00057	SW846 8260D	1	06/13/2024 03:58	PDK	A2
n-Butylbenzene	0.00057U	U,P1,P2	mg/kg	0.0023	0.00057	SW846 8260D	1	06/13/2024 03:58	PDK	A2
n-Propylbenzene	0.00057U	U,P1,P2	mg/kg	0.0023	0.00057	SW846 8260D	1	06/13/2024 03:58	PDK	A2
o-Chlorotoluene	0.00057U	U,P1,P2	mg/kg	0.0023	0.00057	SW846 8260D	1	06/13/2024 03:58	PDK	A2
o-Xylene	0.00067U	U,P1,P2	mg/kg	0.0023	0.00067	SW846 8260D	1	06/13/2024 03:58	PDK	A2
p-Chlorotoluene	0.00057U	U,P1,P2	mg/kg	0.0023	0.00057	SW846 8260D	1	06/13/2024 03:58	PDK	A2
p-Isopropyltoluene	0.00057U	U,P1,P2	mg/kg	0.0023	0.00057	SW846 8260D	1	06/13/2024 03:58	PDK	A2
sec-Butylbenzene	0.00057U	U,P1,P2	mg/kg	0.0023	0.00057	SW846 8260D	1	06/13/2024 03:58	PDK	A2
Styrene	0.00057U	U,P1,P2	mg/kg	0.0023	0.00057	SW846 8260D	1	06/13/2024 03:58	PDK	A2
tert-Butylbenzene	0.00063U	U,P1,P2	mg/kg	0.0023	0.00063	SW846 8260D	1	06/13/2024 03:58	PDK	A2
Tetrachloroethene	0.00069U	U,P1,P2	mg/kg	0.0023	0.00069	SW846 8260D	1	06/13/2024 03:58	PDK	A2
Toluene	0.00077U	U,P1,P2	mg/kg	0.0023	0.00077	SW846 8260D	1	06/13/2024 03:58	PDK	A2
Total Xylenes	0.0016U	U,P1,P2	mg/kg	0.0069	0.0016	SW846 8260D	1	06/13/2024 03:58	PDK	A2
trans-1,2-Dichloroethene	0.00060U	U,P1,P2	mg/kg	0.0023	0.00060	SW846 8260D	1	06/13/2024 03:58	PDK	A2
trans-1,3-Dichloropropene	0.00067U	U,P1,P2	mg/kg	0.0023	0.00067	SW846 8260D	1	06/13/2024 03:58	PDK	A2
Trichloroethene	0.00057U	U,P1,P2	mg/kg	0.0023	0.00057	SW846 8260D	1	06/13/2024 03:58	PDK	A2
Trichlorofluoromethane	0.00057U	U,P1,P2	mg/kg	0.0023	0.00057	SW846 8260D	1	06/13/2024 03:58	PDK	A2
Vinyl Chloride	0.00057U	U,P1,P2	mg/kg	0.0023	0.00057	SW846 8260D	1	06/13/2024 03:58	PDK	A2

**SURROGATES**

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	109%	56 - 124	06/13/2024 03:58	
4-Bromofluorobenzene	460-00-4	97.9%	51 - 128	06/13/2024 03:58	
Dibromofluoromethane	1868-53-7	102%	62 - 123	06/13/2024 03:58	
Toluene-d8	2037-26-5	97.4%	59 - 131	06/13/2024 03:58	

**WET CHEMISTRY**

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Moisture	10.9	P1,P2	%	0.1	0.01	S2540G-11	1	06/11/2024 14:37	J1K	A
Total Solids	89.1	P1,P2	%	0.1	0.01	S2540G-11	1	06/11/2024 14:37	J1K	A



## Results

Client Sample ID	DUP6424	Collected	06/04/2024 00:00
Lab Sample ID	3363483026	Lab Receipt	06/08/2024 08:37

### GASOLINE RANGE ORGANICS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Gasoline Range Organics	791	P1,P2,S10	mg/kg	570	96.9	SW846 8015D	5000	06/15/2024 06:49	JTH	A1

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
a,a,a-Trifluorotoluene	98-08-8	6230*%	72 - 134	06/15/2024 06:49	

### PETROLEUM HC's

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Diesel Range Organics C10-C28	956	P1,P2,S10	mg/kg	127	34.9	SW846 8015D	10	06/18/2024 00:58	DXL	A

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
o-Terphenyl	84-15-1	109%	36 - 122	06/18/2024 00:58	

### SEMIVOLATILE SIM

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,4-Dioxane	0.0027U	U,P1,P2,S10	mg/kg	0.0054	0.0027	SW846 8270E SIM	1	06/19/2024 11:22	S7M	A
1-Methylnaphthalene	0.30	P1,P2,S10	mg/kg	0.0054	0.00097	SW846 8270E SIM	1	06/19/2024 11:22	S7M	A
2-Methylnaphthalene	0.43	P1,P2,S10	mg/kg	0.0054	0.0014	SW846 8270E SIM	1	06/19/2024 11:22	S7M	A
Acenaphthene	0.00097U	U,P1,P2,S10	mg/kg	0.0054	0.00097	SW846 8270E SIM	1	06/19/2024 11:22	S7M	A
Acenaphthylene	0.00097U	U,P1,P2,S10	mg/kg	0.0054	0.00097	SW846 8270E SIM	1	06/19/2024 11:22	S7M	A
Anthracene	0.044	P1,P2,S10	mg/kg	0.0054	0.00086	SW846 8270E SIM	1	06/19/2024 11:22	S7M	A
Benzo(a)anthracene	0.00086U	U,P1,P2,S10	mg/kg	0.0054	0.00086	SW846 8270E SIM	1	06/19/2024 11:22	S7M	A
Benzo(a)pyrene	0.00086U	U,P1,P2,S10	mg/kg	0.0054	0.00086	SW846 8270E SIM	1	06/19/2024 11:22	S7M	A
Benzo(b)fluoranthene	0.00086U	U,P1,P2,S10	mg/kg	0.0054	0.00086	SW846 8270E SIM	1	06/19/2024 11:22	S7M	A
Benzo(g,h,i)perylene	0.0011U	U,P1,P2,S10	mg/kg	0.0054	0.0011	SW846 8270E SIM	1	06/19/2024 11:22	S7M	A
Benzo(k)fluoranthene	0.00097U	U,P1,P2,S10	mg/kg	0.0054	0.00097	SW846 8270E SIM	1	06/19/2024 11:22	S7M	A
Chrysene	0.0039J	J,P1,P2,S10	mg/kg	0.0054	0.00097	SW846 8270E SIM	1	06/19/2024 11:22	S7M	A
Dibenzo(a,h)anthracene	0.00075U	U,P1,P2,S10	mg/kg	0.0054	0.00075	SW846 8270E SIM	1	06/19/2024 11:22	S7M	A
Fluoranthene	0.011	P1,P2,S10	mg/kg	0.0054	0.00097	SW846 8270E SIM	1	06/19/2024 11:22	S7M	A
Fluorene	0.0011U	U,P1,P2,S10	mg/kg	0.0054	0.0011	SW846 8270E SIM	1	06/19/2024 11:22	S7M	A
Indeno(1,2,3-cd)pyrene	0.00086U	U,P1,P2,S10	mg/kg	0.0054	0.00086	SW846 8270E SIM	1	06/19/2024 11:22	S7M	A
Naphthalene	0.14	P1,P2,S10	mg/kg	0.0054	0.0012	SW846 8270E SIM	1	06/19/2024 11:22	S7M	A
Phenanthrene	0.65	E,P1,P2,S10	mg/kg	0.0054	0.0012	SW846 8270E SIM	1	06/19/2024 11:22	S7M	A



## Results

Client Sample ID	DUP6424	Collected	06/04/2024 00:00
Lab Sample ID	3363483026	Lab Receipt	06/08/2024 08:37

### SEMIVOLATILE SIM (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Pyrene	0.020	P1,P2,S10	mg/kg	0.0054	0.00086	SW846 8270E SIM	1	06/19/2024 11:22	S7M	A

### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
2-Methylnaphthalene-d10	7297-45-2	59.5%	50 - 150	06/19/2024 11:22	
Fluoranthene-d10	93951-69-0	81.6%	50 - 150	06/19/2024 11:22	

### SEMIVOLATILES

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1-Methylnaphthalene	0.35	P1,P2,S10	mg/kg	0.11	0.018	SW846 8270E	1	06/17/2024 14:17	S7M	A
2-Methylnaphthalene	0.50	P1,P2,S10	mg/kg	0.11	0.018	SW846 8270E	1	06/17/2024 14:17	S7M	A
Acenaphthene	0.018U	U,P1,P2,S10	mg/kg	0.054	0.018	SW846 8270E	1	06/17/2024 14:17	S7M	A
Acenaphthylene	0.018U	U,9,P1,P2,S10	mg/kg	0.054	0.018	SW846 8270E	1	06/17/2024 14:17	S7M	A
Anthracene	0.048J	J,P1,P2,S10	mg/kg	0.054	0.018	SW846 8270E	1	06/17/2024 14:17	S7M	A
Benzo(a)anthracene	0.018U	U,P1,P2,S10	mg/kg	0.054	0.018	SW846 8270E	1	06/17/2024 14:17	S7M	A
Benzo(a)pyrene	0.018U	U,P1,P2,S10	mg/kg	0.054	0.018	SW846 8270E	1	06/17/2024 14:17	S7M	A
Benzo(b)fluoranthene	0.018U	U,P1,P2,S10	mg/kg	0.054	0.018	SW846 8270E	1	06/17/2024 14:17	S7M	A
Benzo(g,h,i)perylene	0.018U	U,P1,P2,S10	mg/kg	0.054	0.018	SW846 8270E	1	06/17/2024 14:17	S7M	A
Benzo(k)fluoranthene	0.018U	U,P1,P2,S10	mg/kg	0.054	0.018	SW846 8270E	1	06/17/2024 14:17	S7M	A
Carbazole	0.018U	U,P1,P2,S10	mg/kg	0.11	0.018	SW846 8270E	1	06/17/2024 14:17	S7M	A
Chrysene	0.018U	U,P1,P2,S10	mg/kg	0.054	0.018	SW846 8270E	1	06/17/2024 14:17	S7M	A
Dibenzo(a,h)anthracene	0.018U	U,P1,P2,S10	mg/kg	0.054	0.018	SW846 8270E	1	06/17/2024 14:17	S7M	A
Dibenzofuran	0.087J	J,P1,P2,S10	mg/kg	0.11	0.018	SW846 8270E	1	06/17/2024 14:17	S7M	A
Fluoranthene	0.018U	U,P1,P2,S10	mg/kg	0.054	0.018	SW846 8270E	1	06/17/2024 14:17	S7M	A
Fluorene	0.018U	U,P1,P2,S10	mg/kg	0.054	0.018	SW846 8270E	1	06/17/2024 14:17	S7M	A
Indeno(1,2,3-cd)pyrene	0.018U	U,P1,P2,S10	mg/kg	0.054	0.018	SW846 8270E	1	06/17/2024 14:17	S7M	A
Naphthalene	0.15	P1,P2,S10	mg/kg	0.054	0.018	SW846 8270E	1	06/17/2024 14:17	S7M	A
Phenanthrene	0.70	P1,P2,S10	mg/kg	0.054	0.018	SW846 8270E	1	06/17/2024 14:17	S7M	A
Pyrene	0.019J	J,P1,P2,S10	mg/kg	0.054	0.018	SW846 8270E	1	06/17/2024 14:17	S7M	A

DRAFT



## Results

Client Sample ID	DUP6424	Collected	06/04/2024 00:00
Lab Sample ID	3363483026	Lab Receipt	06/08/2024 08:37

### SEMIVOLATILES (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
<i>SURROGATES</i>										
Compound	CAS No			Recovery		Limits(%)		Analysis Date/Time		Qualifiers
2,4,6-Tribromophenol	118-79-6			60.6%		19 - 132		06/17/2024 14:17		
2-Fluorobiphenyl	321-60-8			54.8%		40 - 110		06/17/2024 14:17		
2-Fluorophenol	367-12-4			55.2%		26 - 116		06/17/2024 14:17		
Nitrobenzene-d5	4165-60-0			57.8%		38 - 112		06/17/2024 14:17		
Phenol-d5	4165-62-2			59.2%		35 - 111		06/17/2024 14:17		
Terphenyl-d14	98904-43-9			72.4%		45 - 126		06/17/2024 14:17		

### VOLATILE ORGANICS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1-Trichloroethane	0.13U	U,P1,P2,S10	mg/kg	0.57	0.13	SW846 8260D	500	06/15/2024 00:05	BST	A1
1,1,2,2-Tetrachloroethane	0.19U	U,P1,P2,S10	mg/kg	0.57	0.19	SW846 8260D	500	06/15/2024 00:05	BST	A1
1,1,2-Trichloroethane	0.19U	U,P1,P2,S10	mg/kg	0.57	0.19	SW846 8260D	500	06/15/2024 00:05	BST	A1
1,1-Dichloroethane	0.16U	U,P1,P2,S10	mg/kg	0.57	0.16	SW846 8260D	500	06/15/2024 00:05	BST	A1
1,1-Dichloroethene	0.17U	U,P1,P2,S10	mg/kg	0.57	0.17	SW846 8260D	500	06/15/2024 00:05	BST	A1
1,1-Dichloropropene	0.15U	U,P1,P2,S10	mg/kg	0.57	0.15	SW846 8260D	500	06/15/2024 00:05	BST	A1
1,2,3-Trichlorobenzene	0.53U	U,P1,P2,S10	mg/kg	1.1	0.53	SW846 8260D	500	06/15/2024 00:05	BST	A1
1,2,3-Trichloropropane	0.34U	U,P1,P2,S10	mg/kg	1.1	0.34	SW846 8260D	500	06/15/2024 00:05	BST	A1
1,2,4-Trichlorobenzene	0.47U	U,P1,P2,S10	mg/kg	1.1	0.47	SW846 8260D	500	06/15/2024 00:05	BST	A1
1,2,4-Trimethylbenzene	0.14U	U,P1,P2,S10	mg/kg	0.57	0.14	SW846 8260D	500	06/15/2024 00:05	BST	A1
1,2-Dibromo-3-chloropropane	0.86U	U,P1,P2,S10	mg/kg	4.0	0.86	SW846 8260D	500	06/15/2024 00:05	BST	A1
1,2-Dibromoethane	0.16U	U,P1,P2,S10	mg/kg	0.57	0.16	SW846 8260D	500	06/15/2024 00:05	BST	A1
1,2-Dichlorobenzene	0.22U	U,P1,P2,S10	mg/kg	0.57	0.22	SW846 8260D	500	06/15/2024 00:05	BST	A1
1,2-Dichloroethane	0.18U	U,P1,P2,S10	mg/kg	0.57	0.18	SW846 8260D	500	06/15/2024 00:05	BST	A1
1,2-Dichloropropane	0.14U	U,P1,P2,S10	mg/kg	0.57	0.14	SW846 8260D	500	06/15/2024 00:05	BST	A1
1,3,5-Trimethylbenzene	0.11U	U,P1,P2,S10	mg/kg	0.57	0.11	SW846 8260D	500	06/15/2024 00:05	BST	A1
1,3-Dichlorobenzene	0.14U	U,P1,P2,S10	mg/kg	0.57	0.14	SW846 8260D	500	06/15/2024 00:05	BST	A1
1,3-Dichloropropane	0.15U	U,P1,P2,S10	mg/kg	0.57	0.15	SW846 8260D	500	06/15/2024 00:05	BST	A1
1,4-Dichlorobenzene	0.15U	U,P1,P2,S10	mg/kg	0.57	0.15	SW846 8260D	500	06/15/2024 00:05	BST	A1
2,2-Dichloropropane	0.18U	U,P1,P2,S10	mg/kg	0.57	0.18	SW846 8260D	500	06/15/2024 00:05	BST	A1
2-Butanone	1.0U	U,P1,P2,S10	mg/kg	5.7	1.0	SW846 8260D	500	06/15/2024 00:05	BST	A1
2-Hexanone	0.74U	U,P1,P2,S10	mg/kg	2.9	0.74	SW846 8260D	500	06/15/2024 00:05	BST	A1
4-Methyl-2-Pentanone(MIBK)	0.86U	U,P1,P2,S10	mg/kg	2.9	0.86	SW846 8260D	500	06/15/2024 00:05	BST	A1
Acetone	1.8U	U,P1,P2,S10	mg/kg	5.7	1.8	SW846 8260D	500	06/15/2024 00:05	BST	A1
Benzene	0.13U	U,P1,P2,S10	mg/kg	0.57	0.13	SW846 8260D	500	06/15/2024 00:05	BST	A1



**Results**

Client Sample ID	DUP6424	Collected	06/04/2024 00:00
Lab Sample ID	3363483026	Lab Receipt	06/08/2024 08:37

**VOLATILE ORGANICS (cont.)**

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Bromobenzene	0.18U	U,P1,P2,S10	mg/kg	0.57	0.18	SW846 8260D	500	06/15/2024 00:05	BST	A1
Bromochloromethane	0.18U	U,P1,P2,S10	mg/kg	0.57	0.18	SW846 8260D	500	06/15/2024 00:05	BST	A1
Bromodichloromethane	0.15U	U,P1,P2,S10	mg/kg	0.57	0.15	SW846 8260D	500	06/15/2024 00:05	BST	A1
Bromoform	0.23U	U,P1,P2,S10	mg/kg	0.57	0.23	SW846 8260D	500	06/15/2024 00:05	BST	A1
Bromomethane	0.22U	U,11,P1,P2,S10	mg/kg	0.57	0.22	SW846 8260D	500	06/15/2024 00:05	BST	A1
Carbon Disulfide	0.13U	U,P1,P2,S10	mg/kg	0.57	0.13	SW846 8260D	500	06/15/2024 00:05	BST	A1
Carbon Tetrachloride	0.18U	U,P1,P2,S10	mg/kg	0.57	0.18	SW846 8260D	500	06/15/2024 00:05	BST	A1
Chlorobenzene	0.11U	U,P1,P2,S10	mg/kg	0.57	0.11	SW846 8260D	500	06/15/2024 00:05	BST	A1
Chlorodibromomethane	0.26U	U,P1,P2,S10	mg/kg	0.57	0.26	SW846 8260D	500	06/15/2024 00:05	BST	A1
Chloroethane	0.19U	U,P1,P2,S10	mg/kg	0.57	0.19	SW846 8260D	500	06/15/2024 00:05	BST	A1
Chloroform	0.12U	U,P1,P2,S10	mg/kg	0.57	0.12	SW846 8260D	500	06/15/2024 00:05	BST	A1
Chloromethane	0.18U	U,P1,P2,S10	mg/kg	0.57	0.18	SW846 8260D	500	06/15/2024 00:05	BST	A1
cis-1,2-Dichloroethene	0.18U	U,P1,P2,S10	mg/kg	0.57	0.18	SW846 8260D	500	06/15/2024 00:05	BST	A1
cis-1,3-Dichloropropene	0.18U	U,P1,P2,S10	mg/kg	0.57	0.18	SW846 8260D	500	06/15/2024 00:05	BST	A1
Dibromomethane	0.18U	U,P1,P2,S10	mg/kg	0.57	0.18	SW846 8260D	500	06/15/2024 00:05	BST	A1
Dichlorodifluoromethane	0.19U	U,P1,P2,S10	mg/kg	0.57	0.19	SW846 8260D	500	06/15/2024 00:05	BST	A1
Ethylbenzene	4.2	P1,P2,S10	mg/kg	0.57	0.19	SW846 8260D	500	06/15/2024 00:05	BST	A1
Freon 113	0.15U	U,P1,P2,S10	mg/kg	0.57	0.15	SW846 8260D	500	06/15/2024 00:05	BST	A1
Hexachlorobutadiene	0.57U	U,P1,P2,S10	mg/kg	2.9	0.57	SW846 8260D	500	06/15/2024 00:05	BST	A1
Isopropylbenzene	2.9	P1,P2,S10	mg/kg	0.57	0.13	SW846 8260D	500	06/15/2024 00:05	BST	A1
Methyl t-Butyl Ether	0.19U	U,P1,P2,S10	mg/kg	0.57	0.19	SW846 8260D	500	06/15/2024 00:05	BST	A1
Methylene Chloride	0.26U	U,P1,P2,S10	mg/kg	0.57	0.26	SW846 8260D	500	06/15/2024 00:05	BST	A1
mp-Xylene	0.94J	J,P1,P2,S10	mg/kg	1.1	0.30	SW846 8260D	500	06/15/2024 00:05	BST	A1
Naphthalene	7.4	P1,P2,S10	mg/kg	1.1	0.19	SW846 8260D	500	06/15/2024 00:05	BST	A1
n-Butylbenzene	2.4	P1,P2,S10	mg/kg	1.1	0.34	SW846 8260D	500	06/15/2024 00:05	BST	A1
n-Propylbenzene	5.0	P1,P2,S10	mg/kg	0.57	0.19	SW846 8260D	500	06/15/2024 00:05	BST	A1
o-Chlorotoluene	0.15U	U,P1,P2,S10	mg/kg	0.57	0.15	SW846 8260D	500	06/15/2024 00:05	BST	A1
o-Xylene	0.19U	U,P1,P2,S10	mg/kg	0.57	0.19	SW846 8260D	500	06/15/2024 00:05	BST	A1
p-Chlorotoluene	0.19U	U,P1,P2,S10	mg/kg	0.57	0.19	SW846 8260D	500	06/15/2024 00:05	BST	A1
p-Isopropyltoluene	1.9	P1,P2,S10	mg/kg	0.57	0.18	SW846 8260D	500	06/15/2024 00:05	BST	A1
sec-Butylbenzene	1.4	P1,P2,S10	mg/kg	0.57	0.18	SW846 8260D	500	06/15/2024 00:05	BST	A1
Styrene	0.14U	U,P1,P2,S10	mg/kg	0.57	0.14	SW846 8260D	500	06/15/2024 00:05	BST	A1
tert-Butylbenzene	0.25U	U,P1,P2,S10	mg/kg	1.1	0.25	SW846 8260D	500	06/15/2024 00:05	BST	A1
Tetrachloroethene	0.20U	U,P1,P2,S10	mg/kg	0.57	0.20	SW846 8260D	500	06/15/2024 00:05	BST	A1
Toluene	0.13U	U,P1,P2,S10	mg/kg	0.57	0.13	SW846 8260D	500	06/15/2024 00:05	BST	A1
Total Xylenes	0.94J	J,P1,P2,S10	mg/kg	1.7	0.38	SW846 8260D	500	06/15/2024 00:05	BST	A1

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## Results

Client Sample ID	DUP6424	Collected	06/04/2024 00:00
Lab Sample ID	3363483026	Lab Receipt	06/08/2024 08:37

### VOLATILE ORGANICS (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
trans-1,2-Dichloroethene	0.15U	U,P1,P2,S10	mg/kg	0.57	0.15	SW846 8260D	500	06/15/2024 00:05	BST	A1
trans-1,3-Dichloropropene	0.17U	U,P1,P2,S10	mg/kg	0.57	0.17	SW846 8260D	500	06/15/2024 00:05	BST	A1
Trichloroethene	0.19U	U,P1,P2,S10	mg/kg	0.57	0.19	SW846 8260D	500	06/15/2024 00:05	BST	A1
Trichlorofluoromethane	0.14U	U,P1,P2,S10	mg/kg	0.57	0.14	SW846 8260D	500	06/15/2024 00:05	BST	A1
Vinyl Chloride	0.17U	U,P1,P2,S10	mg/kg	0.57	0.17	SW846 8260D	500	06/15/2024 00:05	BST	A1

### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	95.1%	71 - 146	06/15/2024 00:05	
4-Bromofluorobenzene	460-00-4	99.3%	46 - 138	06/15/2024 00:05	
Dibromofluoromethane	1868-53-7	80.6%	42 - 143	06/15/2024 00:05	
Toluene-d8	2037-26-5	95.6%	54 - 141	06/15/2024 00:05	

### WET CHEMISTRY

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Moisture	18.5	P1,P2,S10	%	0.1	0.01	S2540G-11	1	06/11/2024 14:37	J1K	A
Total Solids	81.5	P1,P2,S10	%	0.1	0.01	S2540G-11	1	06/11/2024 14:37	J1K	A

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## Results

Client Sample ID	MW-03 (6-8)	Collected	06/04/2024 15:45
Lab Sample ID	3363483027	Lab Receipt	06/08/2024 08:37

### GASOLINE RANGE ORGANICS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Gasoline Range Organics	219	P1,P2,S11	mg/kg	12.0	2.0	SW846 8015D	100	06/15/2024 05:32	JTH	A1

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
a,a,a-Trifluorotoluene	98-08-8	109%	72 - 134	06/15/2024 05:32	

### PETROLEUM HC's

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Diesel Range Organics C10-C28	1200	P1,P2,S11	mg/kg	124	33.9	SW846 8015D	10	06/18/2024 01:30	DXL	A

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
o-Terphenyl	84-15-1	108%	36 - 122	06/18/2024 01:30	

### SEMIVOLATILE SIM

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,4-Dioxane	0.0026U	U,P1,P2,S11	mg/kg	0.0051	0.0026	SW846 8270E SIM	1	06/19/2024 11:50	S7M	A
1-Methylnaphthalene	0.11	P1,P2,S11	mg/kg	0.0051	0.00093	SW846 8270E SIM	1	06/19/2024 11:50	S7M	A
2-Methylnaphthalene	0.046	P1,P2,S11	mg/kg	0.0051	0.0013	SW846 8270E SIM	1	06/19/2024 11:50	S7M	A
Acenaphthene	0.00093U	U,P1,P2,S11	mg/kg	0.0051	0.00093	SW846 8270E SIM	1	06/19/2024 11:50	S7M	A
Acenaphthylene	0.00093U	U,P1,P2,S11	mg/kg	0.0051	0.00093	SW846 8270E SIM	1	06/19/2024 11:50	S7M	A
Anthracene	0.083	P1,P2,S11	mg/kg	0.0051	0.00082	SW846 8270E SIM	1	06/19/2024 11:50	S7M	A
Benzo(a)anthracene	0.0070	P1,P2,S11	mg/kg	0.0051	0.00082	SW846 8270E SIM	1	06/19/2024 11:50	S7M	A
Benzo(a)pyrene	0.00082U	U,P1,P2,S11	mg/kg	0.0051	0.00082	SW846 8270E SIM	1	06/19/2024 11:50	S7M	A
Benzo(b)fluoranthene	0.0076	P1,P2,S11	mg/kg	0.0051	0.00082	SW846 8270E SIM	1	06/19/2024 11:50	S7M	A
Benzo(g,h,i)perylene	0.0046J	J,P1,P2,S11	mg/kg	0.0051	0.0010	SW846 8270E SIM	1	06/19/2024 11:50	S7M	A
Benzo(k)fluoranthene	0.0030J	J,P1,P2,S11	mg/kg	0.0051	0.00093	SW846 8270E SIM	1	06/19/2024 11:50	S7M	A
Chrysene	0.0079	P1,P2,S11	mg/kg	0.0051	0.00093	SW846 8270E SIM	1	06/19/2024 11:50	S7M	A
Dibenzo(a,h)anthracene	0.00072U	U,P1,P2,S11	mg/kg	0.0051	0.00072	SW846 8270E SIM	1	06/19/2024 11:50	S7M	A
Fluoranthene	0.00093U	U,P1,P2,S11	mg/kg	0.0051	0.00093	SW846 8270E SIM	1	06/19/2024 11:50	S7M	A
Fluorene	0.0010U	U,P1,P2,S11	mg/kg	0.0051	0.0010	SW846 8270E SIM	1	06/19/2024 11:50	S7M	A
Indeno(1,2,3-cd)pyrene	0.00082U	U,P1,P2,S11	mg/kg	0.0051	0.00082	SW846 8270E SIM	1	06/19/2024 11:50	S7M	A
Naphthalene	0.030	P1,P2,S11	mg/kg	0.0051	0.0011	SW846 8270E SIM	1	06/19/2024 11:50	S7M	A
Phenanthrene	0.34	P1,P2,S11	mg/kg	0.0051	0.0011	SW846 8270E SIM	1	06/19/2024 11:50	S7M	A



## Results

Client Sample ID	MW-03 (6-8)	Collected	06/04/2024 15:45
Lab Sample ID	3363483027	Lab Receipt	06/08/2024 08:37

### SEMIVOLATILE SIM (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Pyrene	0.045	P1,P2,S11	mg/kg	0.0051	0.00082	SW846 8270E SIM	1	06/19/2024 11:50	S7M	A

### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
2-Methylnaphthalene-d10	7297-45-2	62.8%	50 - 150	06/19/2024 11:50	
Fluoranthene-d10	93951-69-0	80.4%	50 - 150	06/19/2024 11:50	

### SEMIVOLATILES

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1-Methylnaphthalene	0.12	P1,P2,S11	mg/kg	0.10	0.017	SW846 8270E	1	06/17/2024 14:43	S7M	A
2-Methylnaphthalene	0.051J	J,P1,P2,S11	mg/kg	0.10	0.017	SW846 8270E	1	06/17/2024 14:43	S7M	A
Acenaphthene	0.017U	U,P1,P2,S11	mg/kg	0.051	0.017	SW846 8270E	1	06/17/2024 14:43	S7M	A
Acenaphthylene	0.017U	U,9,P1,P2,S11	mg/kg	0.051	0.017	SW846 8270E	1	06/17/2024 14:43	S7M	A
Anthracene	0.088	P1,P2,S11	mg/kg	0.051	0.017	SW846 8270E	1	06/17/2024 14:43	S7M	A
Benzo(a)anthracene	0.017U	U,P1,P2,S11	mg/kg	0.051	0.017	SW846 8270E	1	06/17/2024 14:43	S7M	A
Benzo(a)pyrene	0.017U	U,P1,P2,S11	mg/kg	0.051	0.017	SW846 8270E	1	06/17/2024 14:43	S7M	A
Benzo(b)fluoranthene	0.017U	U,P1,P2,S11	mg/kg	0.051	0.017	SW846 8270E	1	06/17/2024 14:43	S7M	A
Benzo(g,h,i)perylene	0.017U	U,P1,P2,S11	mg/kg	0.051	0.017	SW846 8270E	1	06/17/2024 14:43	S7M	A
Benzo(k)fluoranthene	0.017U	U,P1,P2,S11	mg/kg	0.051	0.017	SW846 8270E	1	06/17/2024 14:43	S7M	A
Carbazole	0.017U	U,P1,P2,S11	mg/kg	0.10	0.017	SW846 8270E	1	06/17/2024 14:43	S7M	A
Chrysene	0.017U	U,P1,P2,S11	mg/kg	0.051	0.017	SW846 8270E	1	06/17/2024 14:43	S7M	A
Dibenzo(a,h)anthracene	0.017U	U,P1,P2,S11	mg/kg	0.051	0.017	SW846 8270E	1	06/17/2024 14:43	S7M	A
Dibenzofuran	0.017U	U,P1,P2,S11	mg/kg	0.10	0.017	SW846 8270E	1	06/17/2024 14:43	S7M	A
Fluoranthene	0.017U	U,P1,P2,S11	mg/kg	0.051	0.017	SW846 8270E	1	06/17/2024 14:43	S7M	A
Fluorene	0.017U	U,P1,P2,S11	mg/kg	0.051	0.017	SW846 8270E	1	06/17/2024 14:43	S7M	A
Indeno(1,2,3-cd)pyrene	0.017U	U,P1,P2,S11	mg/kg	0.051	0.017	SW846 8270E	1	06/17/2024 14:43	S7M	A
Naphthalene	0.029J	J,P1,P2,S11	mg/kg	0.051	0.017	SW846 8270E	1	06/17/2024 14:43	S7M	A
Phenanthrene	0.37	P1,P2,S11	mg/kg	0.051	0.017	SW846 8270E	1	06/17/2024 14:43	S7M	A
Pyrene	0.017U	U,P1,P2,S11	mg/kg	0.051	0.017	SW846 8270E	1	06/17/2024 14:43	S7M	A

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## Results

Client Sample ID	MW-03 (6-8)	Collected	06/04/2024 15:45
Lab Sample ID	3363483027	Lab Receipt	06/08/2024 08:37

### SEMIVOLATILES (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
<i>SURROGATES</i>										
Compound	CAS No			Recovery		Limits(%)		Analysis Date/Time		Qualifiers
2,4,6-Tribromophenol	118-79-6			60.1%		19 - 132		06/17/2024 14:43		
2-Fluorobiphenyl	321-60-8			54.2%		40 - 110		06/17/2024 14:43		
2-Fluorophenol	367-12-4			53.1%		26 - 116		06/17/2024 14:43		
Nitrobenzene-d5	4165-60-0			57.2%		38 - 112		06/17/2024 14:43		
Phenol-d5	4165-62-2			57.3%		35 - 111		06/17/2024 14:43		
Terphenyl-d14	98904-43-9			73.1%		45 - 126		06/17/2024 14:43		

### VOLATILE ORGANICS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1-Trichloroethane	0.00077U	U,P1,P2,S11	mg/kg	0.0025	0.00077	SW846 8260D	1	06/13/2024 05:41	PDK	A2
1,1,2,2-Tetrachloroethane	0.00070U	U,P1,P2,S11	mg/kg	0.0025	0.00070	SW846 8260D	1	06/13/2024 05:41	PDK	A2
1,1,2-Trichloroethane	0.00070U	U,P1,P2,S11	mg/kg	0.0025	0.00070	SW846 8260D	1	06/13/2024 05:41	PDK	A2
1,1-Dichloroethane	0.00062U	U,P1,P2,S11	mg/kg	0.0025	0.00062	SW846 8260D	1	06/13/2024 05:41	PDK	A2
1,1-Dichloroethene	0.00065U	U,P1,P2,S11	mg/kg	0.0025	0.00065	SW846 8260D	1	06/13/2024 05:41	PDK	A2
1,1-Dichloropropene	0.00062U	U,P1,P2,S11	mg/kg	0.0025	0.00062	SW846 8260D	1	06/13/2024 05:41	PDK	A2
1,2,3-Trichlorobenzene	0.00062U	U,P1,P2,S11	mg/kg	0.0062	0.00062	SW846 8260D	1	06/13/2024 05:41	PDK	A2
1,2,3-Trichloropropane	0.00062U	U,P1,P2,S11	mg/kg	0.0025	0.00062	SW846 8260D	1	06/13/2024 05:41	PDK	A2
1,2,4-Trichlorobenzene	0.00062U	U,P1,P2,S11	mg/kg	0.0062	0.00062	SW846 8260D	1	06/13/2024 05:41	PDK	A2
1,2,4-Trimethylbenzene	0.00062U	U,P1,P2,S11	mg/kg	0.0025	0.00062	SW846 8260D	1	06/13/2024 05:41	PDK	A2
1,2-Dibromo-3-chloropropane	0.00031U	U,P1,P2,S11	mg/kg	0.0025	0.00031	SW846 8260D	1	06/13/2024 05:41	PDK	A2
1,2-Dibromoethane	0.00067U	U,P1,P2,S11	mg/kg	0.0025	0.00067	SW846 8260D	1	06/13/2024 05:41	PDK	A2
1,2-Dichlorobenzene	0.00062U	U,P1,P2,S11	mg/kg	0.0025	0.00062	SW846 8260D	1	06/13/2024 05:41	PDK	A2
1,2-Dichloroethane	0.00062U	U,P1,P2,S11	mg/kg	0.0025	0.00062	SW846 8260D	1	06/13/2024 05:41	PDK	A2
1,2-Dichloropropane	0.00075U	U,P1,P2,S11	mg/kg	0.0025	0.00075	SW846 8260D	1	06/13/2024 05:41	PDK	A2
1,3,5-Trimethylbenzene	0.00062U	U,P1,P2,S11	mg/kg	0.0025	0.00062	SW846 8260D	1	06/13/2024 05:41	PDK	A2
1,3-Dichlorobenzene	0.00062U	U,P1,P2,S11	mg/kg	0.0025	0.00062	SW846 8260D	1	06/13/2024 05:41	PDK	A2
1,3-Dichloropropane	0.0010U	U,P1,P2,S11	mg/kg	0.0025	0.0010	SW846 8260D	1	06/13/2024 05:41	PDK	A2
1,4-Dichlorobenzene	0.00062U	U,P1,P2,S11	mg/kg	0.0025	0.00062	SW846 8260D	1	06/13/2024 05:41	PDK	A2
2,2-Dichloropropane	0.00062U	U,P1,P2,S11	mg/kg	0.0025	0.00062	SW846 8260D	1	06/13/2024 05:41	PDK	A2
2-Butanone	0.0040U	U,P1,P2,S11	mg/kg	0.012	0.0040	SW846 8260D	1	06/13/2024 05:41	PDK	A2
2-Hexanone	0.0035U	U,P1,P2,S11	mg/kg	0.012	0.0035	SW846 8260D	1	06/13/2024 05:41	PDK	A2
4-Methyl-2-Pentanone(MIBK)	0.0047U	U,P1,P2,S11	mg/kg	0.012	0.0047	SW846 8260D	1	06/13/2024 05:41	PDK	A2
Acetone	0.0057U	U,P1,P2,S11	mg/kg	0.012	0.0057	SW846 8260D	1	06/13/2024 05:41	PDK	A2
Benzene	0.00062U	U,P1,P2,S11	mg/kg	0.0025	0.00062	SW846 8260D	1	06/13/2024 05:41	PDK	A2



**Results**

Client Sample ID MW-03 (6-8) Collected 06/04/2024 15:45  
 Lab Sample ID 3363483027 Lab Receipt 06/08/2024 08:37

**VOLATILE ORGANICS (cont.)**

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Bromobenzene	0.00062U	U,P1,P2,S11	mg/kg	0.0025	0.00062	SW846 8260D	1	06/13/2024 05:41	PDK	A2
Bromochloromethane	0.00062U	U,P1,P2,S11	mg/kg	0.0025	0.00062	SW846 8260D	1	06/13/2024 05:41	PDK	A2
Bromodichloromethane	0.00088U	U,P1,P2,S11	mg/kg	0.0025	0.00088	SW846 8260D	1	06/13/2024 05:41	PDK	A2
Bromoform	0.00065U	U,P1,P2,S11	mg/kg	0.0025	0.00065	SW846 8260D	1	06/13/2024 05:41	PDK	A2
Bromomethane	0.00065U	U,P1,P2,S11	mg/kg	0.0025	0.00065	SW846 8260D	1	06/13/2024 05:41	PDK	A2
Carbon Disulfide	0.0027	P1,P2,S11	mg/kg	0.0025	0.00078	SW846 8260D	1	06/13/2024 05:41	PDK	A2
Carbon Tetrachloride	0.00063U	U,P1,P2,S11	mg/kg	0.0025	0.00063	SW846 8260D	1	06/13/2024 05:41	PDK	A2
Chlorobenzene	0.00063U	U,P1,P2,S11	mg/kg	0.0025	0.00063	SW846 8260D	1	06/13/2024 05:41	PDK	A2
Chlorodibromomethane	0.00085U	U,P1,P2,S11	mg/kg	0.0025	0.00085	SW846 8260D	1	06/13/2024 05:41	PDK	A2
Chloroethane	0.0011U	U,P1,P2,S11	mg/kg	0.0062	0.0011	SW846 8260D	1	06/13/2024 05:41	PDK	A2
Chloroform	0.00066U	U,P1,P2,S11	mg/kg	0.0025	0.00066	SW846 8260D	1	06/13/2024 05:41	PDK	A2
Chloromethane	0.00068U	U,P1,P2,S11	mg/kg	0.0025	0.00068	SW846 8260D	1	06/13/2024 05:41	PDK	A2
cis-1,2-Dichloroethene	0.00062U	U,P1,P2,S11	mg/kg	0.0025	0.00062	SW846 8260D	1	06/13/2024 05:41	PDK	A2
cis-1,3-Dichloropropene	0.00068U	U,P1,P2,S11	mg/kg	0.0025	0.00068	SW846 8260D	1	06/13/2024 05:41	PDK	A2
Dibromomethane	0.00090U	U,P1,P2,S11	mg/kg	0.0025	0.00090	SW846 8260D	1	06/13/2024 05:41	PDK	A2
Dichlorodifluoromethane	0.00083U	U,P1,P2,S11	mg/kg	0.0025	0.00083	SW846 8260D	1	06/13/2024 05:41	PDK	A2
Ethylbenzene	0.00085U	U,P1,P2,S11	mg/kg	0.0025	0.00085	SW846 8260D	1	06/13/2024 05:41	PDK	A2
Freon 113	0.00062U	U,10,P1,P2,S11	mg/kg	0.0025	0.00062	SW846 8260D	1	06/13/2024 05:41	PDK	A2
Hexachlorobutadiene	0.00062U	U,P1,P2,S11	mg/kg	0.0062	0.00062	SW846 8260D	1	06/13/2024 05:41	PDK	A2
Isopropylbenzene	0.030	P1,P2,S11	mg/kg	0.0025	0.00076	SW846 8260D	1	06/13/2024 05:41	PDK	A2
Methyl t-Butyl Ether	0.00062U	U,P1,P2,S11	mg/kg	0.0025	0.00062	SW846 8260D	1	06/13/2024 05:41	PDK	A2
Methylene Chloride	0.00097U	U,P1,P2,S11	mg/kg	0.0025	0.00097	SW846 8260D	1	06/13/2024 05:41	PDK	A2
mp-Xylene	0.0010U	U,P1,P2,S11	mg/kg	0.0050	0.0010	SW846 8260D	1	06/13/2024 05:41	PDK	A2
Naphthalene	0.020	P1,P2,S11	mg/kg	0.0025	0.00062	SW846 8260D	1	06/13/2024 05:41	PDK	A2
n-Butylbenzene	0.00062U	U,P1,P2,S11	mg/kg	0.0025	0.00062	SW846 8260D	1	06/13/2024 05:41	PDK	A2
n-Propylbenzene	0.15	P1,P2,S11	mg/kg	0.0025	0.00062	SW846 8260D	1	06/13/2024 05:41	PDK	A2
o-Chlorotoluene	0.00062U	U,P1,P2,S11	mg/kg	0.0025	0.00062	SW846 8260D	1	06/13/2024 05:41	PDK	A2
o-Xylene	0.00072U	U,P1,P2,S11	mg/kg	0.0025	0.00072	SW846 8260D	1	06/13/2024 05:41	PDK	A2
p-Chlorotoluene	0.00062U	U,P1,P2,S11	mg/kg	0.0025	0.00062	SW846 8260D	1	06/13/2024 05:41	PDK	A2
p-Isopropyltoluene	0.00062U	U,P1,P2,S11	mg/kg	0.0025	0.00062	SW846 8260D	1	06/13/2024 05:41	PDK	A2
sec-Butylbenzene	0.091	P1,P2,S11	mg/kg	0.0025	0.00062	SW846 8260D	1	06/13/2024 05:41	PDK	A2
Styrene	0.00062U	U,P1,P2,S11	mg/kg	0.0025	0.00062	SW846 8260D	1	06/13/2024 05:41	PDK	A2
tert-Butylbenzene	0.00068U	U,P1,P2,S11	mg/kg	0.0025	0.00068	SW846 8260D	1	06/13/2024 05:41	PDK	A2
Tetrachloroethene	0.00075U	U,P1,P2,S11	mg/kg	0.0025	0.00075	SW846 8260D	1	06/13/2024 05:41	PDK	A2
Toluene	0.00083U	U,P1,P2,S11	mg/kg	0.0025	0.00083	SW846 8260D	1	06/13/2024 05:41	PDK	A2
Total Xylenes	0.0017U	U,P1,P2,S11	mg/kg	0.0075	0.0017	SW846 8260D	1	06/13/2024 05:41	PDK	A2

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**Results**

Client Sample ID	MW-03 (6-8)	Collected	06/04/2024 15:45
Lab Sample ID	3363483027	Lab Receipt	06/08/2024 08:37

**VOLATILE ORGANICS (cont.)**

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
trans-1,2-Dichloroethene	0.00065U	U,P1,P2,S11	mg/kg	0.0025	0.00065	SW846 8260D	1	06/13/2024 05:41	PDK	A2
trans-1,3-Dichloropropene	0.00072U	U,P1,P2,S11	mg/kg	0.0025	0.00072	SW846 8260D	1	06/13/2024 05:41	PDK	A2
Trichloroethene	0.00062U	U,P1,P2,S11	mg/kg	0.0025	0.00062	SW846 8260D	1	06/13/2024 05:41	PDK	A2
Trichlorofluoromethane	0.00062U	U,P1,P2,S11	mg/kg	0.0025	0.00062	SW846 8260D	1	06/13/2024 05:41	PDK	A2
Vinyl Chloride	0.00062U	U,P1,P2,S11	mg/kg	0.0025	0.00062	SW846 8260D	1	06/13/2024 05:41	PDK	A2

*SURROGATES*

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	109%	56 - 124	06/13/2024 05:41	
4-Bromofluorobenzene	460-00-4	103%	51 - 128	06/13/2024 05:41	
Dibromofluoromethane	1868-53-7	101%	62 - 123	06/13/2024 05:41	
Toluene-d8	2037-26-5	94.1%	59 - 131	06/13/2024 05:41	

**WET CHEMISTRY**

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Moisture	16.2	P1,P2,S11	%	0.1	0.01	S2540G-11	1	06/11/2024 14:37	J1K	A
Total Solids	83.8	P1,P2,S11	%	0.1	0.01	S2540G-11	1	06/11/2024 14:37	J1K	A

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## Results

Client Sample ID	MW-03 (8-10)	Collected	06/04/2024 15:45
Lab Sample ID	3363483028	Lab Receipt	06/08/2024 08:37

### GASOLINE RANGE ORGANICS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Gasoline Range Organics	2.1U	U,P1,P2	mg/kg	12.1	2.1	SW846 8015D	100	06/15/2024 04:40	JTH	A1

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
a,a,a-Trifluorotoluene	98-08-8	109%	72 - 134	06/15/2024 04:40	

### PETROLEUM HC's

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Diesel Range Organics C10-C28	28.2	P1,P2	mg/kg	12.4	3.4	SW846 8015D	1	06/15/2024 16:51	KJH	A

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
o-Terphenyl	84-15-1	99%	36 - 122	06/15/2024 16:51	

### SEMIVOLATILE SIM

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,4-Dioxane	0.0027U	U,P1,P2	mg/kg	0.0055	0.0027	SW846 8270E SIM	1	06/19/2024 12:18	S7M	A
1-Methylnaphthalene	0.10	P1,P2	mg/kg	0.0055	0.00099	SW846 8270E SIM	1	06/19/2024 12:18	S7M	A
2-Methylnaphthalene	0.089	P1,P2	mg/kg	0.0055	0.0014	SW846 8270E SIM	1	06/19/2024 12:18	S7M	A
Acenaphthene	0.00099U	U,P1,P2	mg/kg	0.0055	0.00099	SW846 8270E SIM	1	06/19/2024 12:18	S7M	A
Acenaphthylene	0.00099U	U,P1,P2	mg/kg	0.0055	0.00099	SW846 8270E SIM	1	06/19/2024 12:18	S7M	A
Anthracene	0.0026J	J,P1,P2	mg/kg	0.0055	0.00088	SW846 8270E SIM	1	06/19/2024 12:18	S7M	A
Benzo(a)anthracene	0.012	P1,P2	mg/kg	0.0055	0.00088	SW846 8270E SIM	1	06/19/2024 12:18	S7M	A
Benzo(a)pyrene	0.014	P1,P2	mg/kg	0.0055	0.00088	SW846 8270E SIM	1	06/19/2024 12:18	S7M	A
Benzo(b)fluoranthene	0.024	P1,P2	mg/kg	0.0055	0.00088	SW846 8270E SIM	1	06/19/2024 12:18	S7M	A
Benzo(g,h,i)perylene	0.053	P1,P2	mg/kg	0.0055	0.0011	SW846 8270E SIM	1	06/19/2024 12:18	S7M	A
Benzo(k)fluoranthene	0.011	P1,P2	mg/kg	0.0055	0.00099	SW846 8270E SIM	1	06/19/2024 12:18	S7M	A
Chrysene	0.033	P1,P2	mg/kg	0.0055	0.00099	SW846 8270E SIM	1	06/19/2024 12:18	S7M	A
Dibenzo(a,h)anthracene	0.0065	P1,P2	mg/kg	0.0055	0.00077	SW846 8270E SIM	1	06/19/2024 12:18	S7M	A
Fluoranthene	0.020	P1,P2	mg/kg	0.0055	0.00099	SW846 8270E SIM	1	06/19/2024 12:18	S7M	A
Fluorene	0.0064	P1,P2	mg/kg	0.0055	0.0011	SW846 8270E SIM	1	06/19/2024 12:18	S7M	A
Indeno(1,2,3-cd)pyrene	0.011	P1,P2	mg/kg	0.0055	0.00088	SW846 8270E SIM	1	06/19/2024 12:18	S7M	A
Naphthalene	0.037	P1,P2	mg/kg	0.0055	0.0012	SW846 8270E SIM	1	06/19/2024 12:18	S7M	A
Phenanthrene	0.074	P1,P2	mg/kg	0.0055	0.0012	SW846 8270E SIM	1	06/19/2024 12:18	S7M	A



## Results

Client Sample ID	MW-03 (8-10)	Collected	06/04/2024 15:45
Lab Sample ID	3363483028	Lab Receipt	06/08/2024 08:37

### SEMIVOLATILE SIM (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Pyrene	0.062	P1,P2	mg/kg	0.0055	0.00088	SW846 8270E SIM	1	06/19/2024 12:18	S7M	A

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
2-Methylnaphthalene-d10	7297-45-2	67.1%	50 - 150	06/19/2024 12:18	
Fluoranthene-d10	93951-69-0	75.9%	50 - 150	06/19/2024 12:18	

### SEMIVOLATILES

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1-Methylnaphthalene	0.10J	J,P1,P2	mg/kg	0.11	0.019	SW846 8270E	1	06/17/2024 15:08	S7M	A
2-Methylnaphthalene	0.089J	J,P1,P2	mg/kg	0.11	0.019	SW846 8270E	1	06/17/2024 15:08	S7M	A
Acenaphthene	0.019U	U,P1,P2	mg/kg	0.055	0.019	SW846 8270E	1	06/17/2024 15:08	S7M	A
Acenaphthylene	0.019U	U,9,P1,P2	mg/kg	0.055	0.019	SW846 8270E	1	06/17/2024 15:08	S7M	A
Anthracene	0.019U	U,P1,P2	mg/kg	0.055	0.019	SW846 8270E	1	06/17/2024 15:08	S7M	A
Benzo(a)anthracene	0.019U	U,P1,P2	mg/kg	0.055	0.019	SW846 8270E	1	06/17/2024 15:08	S7M	A
Benzo(a)pyrene	0.019U	U,P1,P2	mg/kg	0.055	0.019	SW846 8270E	1	06/17/2024 15:08	S7M	A
Benzo(b)fluoranthene	0.031J	J,P1,P2	mg/kg	0.055	0.019	SW846 8270E	1	06/17/2024 15:08	S7M	A
Benzo(g,h,i)perylene	0.058	P1,P2	mg/kg	0.055	0.019	SW846 8270E	1	06/17/2024 15:08	S7M	A
Benzo(k)fluoranthene	0.019U	U,P1,P2	mg/kg	0.055	0.019	SW846 8270E	1	06/17/2024 15:08	S7M	A
Carbazole	0.019U	U,P1,P2	mg/kg	0.11	0.019	SW846 8270E	1	06/17/2024 15:08	S7M	A
Chrysene	0.043J	J,P1,P2	mg/kg	0.055	0.019	SW846 8270E	1	06/17/2024 15:08	S7M	A
Dibenzo(a,h)anthracene	0.019U	U,P1,P2	mg/kg	0.055	0.019	SW846 8270E	1	06/17/2024 15:08	S7M	A
Dibenzofuran	0.021J	J,P1,P2	mg/kg	0.11	0.019	SW846 8270E	1	06/17/2024 15:08	S7M	A
Fluoranthene	0.023J	J,P1,P2	mg/kg	0.055	0.019	SW846 8270E	1	06/17/2024 15:08	S7M	A
Fluorene	0.019U	U,P1,P2	mg/kg	0.055	0.019	SW846 8270E	1	06/17/2024 15:08	S7M	A
Indeno(1,2,3-cd)pyrene	0.019U	U,P1,P2	mg/kg	0.055	0.019	SW846 8270E	1	06/17/2024 15:08	S7M	A
Naphthalene	0.038J	J,P1,P2	mg/kg	0.055	0.019	SW846 8270E	1	06/17/2024 15:08	S7M	A
Phenanthrene	0.079	P1,P2	mg/kg	0.055	0.019	SW846 8270E	1	06/17/2024 15:08	S7M	A
Pyrene	0.065	P1,P2	mg/kg	0.055	0.019	SW846 8270E	1	06/17/2024 15:08	S7M	A

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
2,4,6-Tribromophenol	118-79-6	60.3%	19 - 132	06/17/2024 15:08	
2-Fluorobiphenyl	321-60-8	61.1%	40 - 110	06/17/2024 15:08	
2-Fluorophenol	367-12-4	58.2%	26 - 116	06/17/2024 15:08	
Nitrobenzene-d5	4165-60-0	61.3%	38 - 112	06/17/2024 15:08	
Phenol-d5	4165-62-2	63.7%	35 - 111	06/17/2024 15:08	
Terphenyl-d14	98904-43-9	75.2%	45 - 126	06/17/2024 15:08	

### VOLATILE ORGANICS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1-Trichloroethane	0.00068U	U,P1,P2	mg/kg	0.0022	0.00068	SW846 8260D	1	06/13/2024 04:24	PDK	A2

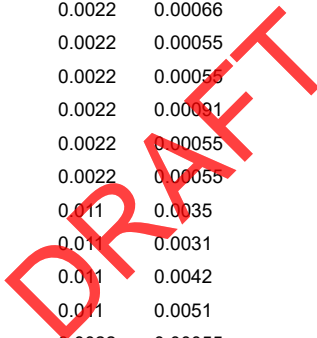


**Results**

Client Sample ID MW-03 (8-10) Collected 06/04/2024 15:45  
 Lab Sample ID 3363483028 Lab Receipt 06/08/2024 08:37

**VOLATILE ORGANICS (cont.)**

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,2,2-Tetrachloroethane	0.00062U	U,P1,P2	mg/kg	0.0022	0.00062	SW846 8260D	1	06/13/2024 04:24	PDK	A2
1,1,2-Trichloroethane	0.00062U	U,P1,P2	mg/kg	0.0022	0.00062	SW846 8260D	1	06/13/2024 04:24	PDK	A2
1,1-Dichloroethane	0.00055U	U,P1,P2	mg/kg	0.0022	0.00055	SW846 8260D	1	06/13/2024 04:24	PDK	A2
1,1-Dichloroethene	0.00057U	U,P1,P2	mg/kg	0.0022	0.00057	SW846 8260D	1	06/13/2024 04:24	PDK	A2
1,1-Dichloropropene	0.00055U	U,P1,P2	mg/kg	0.0022	0.00055	SW846 8260D	1	06/13/2024 04:24	PDK	A2
1,2,3-Trichlorobenzene	0.00055U	U,P1,P2	mg/kg	0.0055	0.00055	SW846 8260D	1	06/13/2024 04:24	PDK	A2
1,2,3-Trichloropropane	0.00055U	U,P1,P2	mg/kg	0.0022	0.00055	SW846 8260D	1	06/13/2024 04:24	PDK	A2
1,2,4-Trichlorobenzene	0.00055U	U,P1,P2	mg/kg	0.0055	0.00055	SW846 8260D	1	06/13/2024 04:24	PDK	A2
1,2,4-Trimethylbenzene	0.00055U	U,P1,P2	mg/kg	0.0022	0.00055	SW846 8260D	1	06/13/2024 04:24	PDK	A2
1,2-Dibromo-3-chloropropane	0.00028U	U,P1,P2	mg/kg	0.0022	0.00028	SW846 8260D	1	06/13/2024 04:24	PDK	A2
1,2-Dibromoethane	0.00059U	U,P1,P2	mg/kg	0.0022	0.00059	SW846 8260D	1	06/13/2024 04:24	PDK	A2
1,2-Dichlorobenzene	0.00055U	U,P1,P2	mg/kg	0.0022	0.00055	SW846 8260D	1	06/13/2024 04:24	PDK	A2
1,2-Dichloroethane	0.00055U	U,P1,P2	mg/kg	0.0022	0.00055	SW846 8260D	1	06/13/2024 04:24	PDK	A2
1,2-Dichloropropane	0.00066U	U,P1,P2	mg/kg	0.0022	0.00066	SW846 8260D	1	06/13/2024 04:24	PDK	A2
1,3,5-Trimethylbenzene	0.00055U	U,P1,P2	mg/kg	0.0022	0.00055	SW846 8260D	1	06/13/2024 04:24	PDK	A2
1,3-Dichlorobenzene	0.00055U	U,P1,P2	mg/kg	0.0022	0.00055	SW846 8260D	1	06/13/2024 04:24	PDK	A2
1,3-Dichloropropane	0.00091U	U,P1,P2	mg/kg	0.0022	0.00091	SW846 8260D	1	06/13/2024 04:24	PDK	A2
1,4-Dichlorobenzene	0.00055U	U,P1,P2	mg/kg	0.0022	0.00055	SW846 8260D	1	06/13/2024 04:24	PDK	A2
2,2-Dichloropropane	0.00055U	U,P1,P2	mg/kg	0.0022	0.00055	SW846 8260D	1	06/13/2024 04:24	PDK	A2
2-Butanone	0.0035U	U,P1,P2	mg/kg	0.011	0.0035	SW846 8260D	1	06/13/2024 04:24	PDK	A2
2-Hexanone	0.0031U	U,P1,P2	mg/kg	0.011	0.0031	SW846 8260D	1	06/13/2024 04:24	PDK	A2
4-Methyl-2-Pentanone(MIBK)	0.0042U	U,P1,P2	mg/kg	0.011	0.0042	SW846 8260D	1	06/13/2024 04:24	PDK	A2
Acetone	0.014	P1,P2	mg/kg	0.011	0.0051	SW846 8260D	1	06/13/2024 04:24	PDK	A2
Benzene	0.00055U	U,P1,P2	mg/kg	0.0022	0.00055	SW846 8260D	1	06/13/2024 04:24	PDK	A2
Bromobenzene	0.00055U	U,P1,P2	mg/kg	0.0022	0.00055	SW846 8260D	1	06/13/2024 04:24	PDK	A2
Bromochloromethane	0.00055U	U,P1,P2	mg/kg	0.0022	0.00055	SW846 8260D	1	06/13/2024 04:24	PDK	A2
Bromodichloromethane	0.00078U	U,P1,P2	mg/kg	0.0022	0.00078	SW846 8260D	1	06/13/2024 04:24	PDK	A2
Bromoform	0.00057U	U,P1,P2	mg/kg	0.0022	0.00057	SW846 8260D	1	06/13/2024 04:24	PDK	A2
Bromomethane	0.00057U	U,P1,P2	mg/kg	0.0022	0.00057	SW846 8260D	1	06/13/2024 04:24	PDK	A2
Carbon Disulfide	0.0015J	J,P1,P2	mg/kg	0.0022	0.00069	SW846 8260D	1	06/13/2024 04:24	PDK	A2
Carbon Tetrachloride	0.00056U	U,P1,P2	mg/kg	0.0022	0.00056	SW846 8260D	1	06/13/2024 04:24	PDK	A2
Chlorobenzene	0.00056U	U,P1,P2	mg/kg	0.0022	0.00056	SW846 8260D	1	06/13/2024 04:24	PDK	A2
Chlorodibromomethane	0.00075U	U,P1,P2	mg/kg	0.0022	0.00075	SW846 8260D	1	06/13/2024 04:24	PDK	A2
Chloroethane	0.00094U	U,P1,P2	mg/kg	0.0055	0.00094	SW846 8260D	1	06/13/2024 04:24	PDK	A2
Chloroform	0.00058U	U,P1,P2	mg/kg	0.0022	0.00058	SW846 8260D	1	06/13/2024 04:24	PDK	A2
Chloromethane	0.00061U	U,P1,P2	mg/kg	0.0022	0.00061	SW846 8260D	1	06/13/2024 04:24	PDK	A2
cis-1,2-Dichloroethene	0.00055U	U,P1,P2	mg/kg	0.0022	0.00055	SW846 8260D	1	06/13/2024 04:24	PDK	A2
cis-1,3-Dichloropropene	0.00061U	U,P1,P2	mg/kg	0.0022	0.00061	SW846 8260D	1	06/13/2024 04:24	PDK	A2
Dibromomethane	0.00079U	U,P1,P2	mg/kg	0.0022	0.00079	SW846 8260D	1	06/13/2024 04:24	PDK	A2
Dichlorodifluoromethane	0.00074U	U,P1,P2	mg/kg	0.0022	0.00074	SW846 8260D	1	06/13/2024 04:24	PDK	A2
Ethylbenzene	0.00075U	U,P1,P2	mg/kg	0.0022	0.00075	SW846 8260D	1	06/13/2024 04:24	PDK	A2
Freon 113	0.00055U	U,10,P1,P2	mg/kg	0.0022	0.00055	SW846 8260D	1	06/13/2024 04:24	PDK	A2
Hexachlorobutadiene	0.00055U	U,P1,P2	mg/kg	0.0055	0.00055	SW846 8260D	1	06/13/2024 04:24	PDK	A2
Isopropylbenzene	0.00067U	U,P1,P2	mg/kg	0.0022	0.00067	SW846 8260D	1	06/13/2024 04:24	PDK	A2
Methyl t-Butyl Ether	0.0025	P1,P2	mg/kg	0.0022	0.00055	SW846 8260D	1	06/13/2024 04:24	PDK	A2
Methylene Chloride	0.0060	P1,P2	mg/kg	0.0022	0.00086	SW846 8260D	1	06/13/2024 04:24	PDK	A2
mp-Xylene	0.00091U	U,P1,P2	mg/kg	0.0044	0.00091	SW846 8260D	1	06/13/2024 04:24	PDK	A2





## Results

Client Sample ID	MW-03 (8-10)	Collected	06/04/2024 15:45
Lab Sample ID	3363483028	Lab Receipt	06/08/2024 08:37

### VOLATILE ORGANICS (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Naphthalene	0.00055U	U,P1,P2	mg/kg	0.0022	0.00055	SW846 8260D	1	06/13/2024 04:24	PDK	A2
n-Butylbenzene	0.00055U	U,P1,P2	mg/kg	0.0022	0.00055	SW846 8260D	1	06/13/2024 04:24	PDK	A2
n-Propylbenzene	0.00055U	U,P1,P2	mg/kg	0.0022	0.00055	SW846 8260D	1	06/13/2024 04:24	PDK	A2
o-Chlorotoluene	0.00055U	U,P1,P2	mg/kg	0.0022	0.00055	SW846 8260D	1	06/13/2024 04:24	PDK	A2
o-Xylene	0.00064U	U,P1,P2	mg/kg	0.0022	0.00064	SW846 8260D	1	06/13/2024 04:24	PDK	A2
p-Chlorotoluene	0.00055U	U,P1,P2	mg/kg	0.0022	0.00055	SW846 8260D	1	06/13/2024 04:24	PDK	A2
p-Isopropyltoluene	0.00055U	U,P1,P2	mg/kg	0.0022	0.00055	SW846 8260D	1	06/13/2024 04:24	PDK	A2
sec-Butylbenzene	0.00055U	U,P1,P2	mg/kg	0.0022	0.00055	SW846 8260D	1	06/13/2024 04:24	PDK	A2
Styrene	0.00055U	U,P1,P2	mg/kg	0.0022	0.00055	SW846 8260D	1	06/13/2024 04:24	PDK	A2
tert-Butylbenzene	0.00061U	U,P1,P2	mg/kg	0.0022	0.00061	SW846 8260D	1	06/13/2024 04:24	PDK	A2
Tetrachloroethene	0.00066U	U,P1,P2	mg/kg	0.0022	0.00066	SW846 8260D	1	06/13/2024 04:24	PDK	A2
Toluene	0.00074U	U,P1,P2	mg/kg	0.0022	0.00074	SW846 8260D	1	06/13/2024 04:24	PDK	A2
Total Xylenes	0.0015U	U,P1,P2	mg/kg	0.0066	0.0015	SW846 8260D	1	06/13/2024 04:24	PDK	A2
trans-1,2-Dichloroethene	0.00057U	U,P1,P2	mg/kg	0.0022	0.00057	SW846 8260D	1	06/13/2024 04:24	PDK	A2
trans-1,3-Dichloropropene	0.00064U	U,P1,P2	mg/kg	0.0022	0.00064	SW846 8260D	1	06/13/2024 04:24	PDK	A2
Trichloroethene	0.00055U	U,P1,P2	mg/kg	0.0022	0.00055	SW846 8260D	1	06/13/2024 04:24	PDK	A2
Trichlorofluoromethane	0.00055U	U,P1,P2	mg/kg	0.0022	0.00055	SW846 8260D	1	06/13/2024 04:24	PDK	A2
Vinyl Chloride	0.00055U	U,P1,P2	mg/kg	0.0022	0.00055	SW846 8260D	1	06/13/2024 04:24	PDK	A2

### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	110%	56 - 124	06/13/2024 04:24	
4-Bromofluorobenzene	460-00-4	103%	51 - 128	06/13/2024 04:24	
Dibromofluoromethane	1868-53-7	104%	62 - 123	06/13/2024 04:24	
Toluene-d8	2037-26-5	99.9%	59 - 131	06/13/2024 04:24	

### WET CHEMISTRY

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Moisture	17.0	P1,P2	%	0.1	0.01	S2540G-11	1	06/10/2024 16:21	E1R	A
Total Solids	83.0	P1,P2	%	0.1	0.01	S2540G-11	1	06/10/2024 16:21	E1R	A



## Results

Client Sample ID	SB-17 (6-8)	Collected	06/04/2024 16:30
Lab Sample ID	3363483029	Lab Receipt	06/08/2024 08:37

### GASOLINE RANGE ORGANICS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Gasoline Range Organics	24.7	P1,P2,S12	mg/kg	11.3	1.9	SW846 8015D	100	06/15/2024 05:06	JTH	A1

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
a,a,a-Trifluorotoluene	98-08-8	114%	72 - 134	06/15/2024 05:06	

### PETROLEUM HC's

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Diesel Range Organics C10-C28	267	P1,P2,S12	mg/kg	49.6	13.6	SW846 8015D	4	06/18/2024 02:02	DXL	A

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
o-Terphenyl	84-15-1	106%	36 - 122	06/18/2024 02:02	

### SEMIVOLATILE SIM

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,4-Dioxane	0.0029U	U,P1,P2,S12	mg/kg	0.0058	0.0029	SW846 8270E SIM	1	06/19/2024 12:47	S7M	A
1-Methylnaphthalene	0.25	P1,P2,S12	mg/kg	0.0058	0.0010	SW846 8270E SIM	1	06/19/2024 12:47	S7M	A
2-Methylnaphthalene	0.0098	P1,P2,S12	mg/kg	0.0058	0.0015	SW846 8270E SIM	1	06/19/2024 12:47	S7M	A
Acenaphthene	0.046	P1,P2,S12	mg/kg	0.0058	0.0010	SW846 8270E SIM	1	06/19/2024 12:47	S7M	A
Acenaphthylene	0.0010U	U,P1,P2,S12	mg/kg	0.0058	0.0010	SW846 8270E SIM	1	06/19/2024 12:47	S7M	A
Anthracene	0.027	P1,P2,S12	mg/kg	0.0058	0.00093	SW846 8270E SIM	1	06/19/2024 12:47	S7M	A
Benzo(a)anthracene	0.00093U	U,P1,P2,S12	mg/kg	0.0058	0.00093	SW846 8270E SIM	1	06/19/2024 12:47	S7M	A
Benzo(a)pyrene	0.00093U	U,P1,P2,S12	mg/kg	0.0058	0.00093	SW846 8270E SIM	1	06/19/2024 12:47	S7M	A
Benzo(b)fluoranthene	0.00093U	U,P1,P2,S12	mg/kg	0.0058	0.00093	SW846 8270E SIM	1	06/19/2024 12:47	S7M	A
Benzo(g,h,i)perylene	0.0012U	U,P1,P2,S12	mg/kg	0.0058	0.0012	SW846 8270E SIM	1	06/19/2024 12:47	S7M	A
Benzo(k)fluoranthene	0.0010U	U,P1,P2,S12	mg/kg	0.0058	0.0010	SW846 8270E SIM	1	06/19/2024 12:47	S7M	A
Chrysene	0.0010U	U,P1,P2,S12	mg/kg	0.0058	0.0010	SW846 8270E SIM	1	06/19/2024 12:47	S7M	A
Dibenzo(a,h)anthracene	0.00081U	U,P1,P2,S12	mg/kg	0.0058	0.00081	SW846 8270E SIM	1	06/19/2024 12:47	S7M	A
Fluoranthene	0.0010U	U,P1,P2,S12	mg/kg	0.0058	0.0010	SW846 8270E SIM	1	06/19/2024 12:47	S7M	A
Fluorene	0.13	P1,P2,S12	mg/kg	0.0058	0.0012	SW846 8270E SIM	1	06/19/2024 12:47	S7M	A
Indeno(1,2,3-cd)pyrene	0.00093U	U,P1,P2,S12	mg/kg	0.0058	0.00093	SW846 8270E SIM	1	06/19/2024 12:47	S7M	A
Naphthalene	0.0072	P1,P2,S12	mg/kg	0.0058	0.0013	SW846 8270E SIM	1	06/19/2024 12:47	S7M	A
Phenanthrene	0.34	P1,P2,S12	mg/kg	0.0058	0.0013	SW846 8270E SIM	1	06/19/2024 12:47	S7M	A



## Results

Client Sample ID	SB-17 (6-8)	Collected	06/04/2024 16:30
Lab Sample ID	3363483029	Lab Receipt	06/08/2024 08:37

### SEMIVOLATILE SIM (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Pyrene	0.0087	P1,P2,S12	mg/kg	0.0058	0.00093	SW846 8270E SIM	1	06/19/2024 12:47	S7M	A

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
2-Methylnaphthalene-d10	7297-45-2	68.6%	50 - 150	06/19/2024 12:47	
Fluoranthene-d10	93951-69-0	78.9%	50 - 150	06/19/2024 12:47	

### SEMIVOLATILES

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1-Methylnaphthalene	0.25	P1,P2,S12	mg/kg	0.12	0.020	SW846 8270E	1	06/17/2024 15:34	S7M	A
2-Methylnaphthalene	0.020U	U,P1,P2,S12	mg/kg	0.12	0.020	SW846 8270E	1	06/17/2024 15:34	S7M	A
Acenaphthene	0.020U	U,P1,P2,S12	mg/kg	0.058	0.020	SW846 8270E	1	06/17/2024 15:34	S7M	A
Acenaphthylene	0.020U	U,9,P1,P2,S12	mg/kg	0.058	0.020	SW846 8270E	1	06/17/2024 15:34	S7M	A
Anthracene	0.028J	J,P1,P2,S12	mg/kg	0.058	0.020	SW846 8270E	1	06/17/2024 15:34	S7M	A
Benzo(a)anthracene	0.020U	U,P1,P2,S12	mg/kg	0.058	0.020	SW846 8270E	1	06/17/2024 15:34	S7M	A
Benzo(a)pyrene	0.020U	U,P1,P2,S12	mg/kg	0.058	0.020	SW846 8270E	1	06/17/2024 15:34	S7M	A
Benzo(b)fluoranthene	0.020U	U,P1,P2,S12	mg/kg	0.058	0.020	SW846 8270E	1	06/17/2024 15:34	S7M	A
Benzo(g,h,i)perylene	0.020U	U,P1,P2,S12	mg/kg	0.058	0.020	SW846 8270E	1	06/17/2024 15:34	S7M	A
Benzo(k)fluoranthene	0.020U	U,P1,P2,S12	mg/kg	0.058	0.020	SW846 8270E	1	06/17/2024 15:34	S7M	A
Carbazole	0.020U	U,P1,P2,S12	mg/kg	0.12	0.020	SW846 8270E	1	06/17/2024 15:34	S7M	A
Chrysene	0.020U	U,P1,P2,S12	mg/kg	0.058	0.020	SW846 8270E	1	06/17/2024 15:34	S7M	A
Dibenzo(a,h)anthracene	0.020U	U,P1,P2,S12	mg/kg	0.058	0.020	SW846 8270E	1	06/17/2024 15:34	S7M	A
Dibenzofuran	0.020U	U,P1,P2,S12	mg/kg	0.12	0.020	SW846 8270E	1	06/17/2024 15:34	S7M	A
Fluoranthene	0.020U	U,P1,P2,S12	mg/kg	0.058	0.020	SW846 8270E	1	06/17/2024 15:34	S7M	A
Fluorene	0.12	P1,P2,S12	mg/kg	0.058	0.020	SW846 8270E	1	06/17/2024 15:34	S7M	A
Indeno(1,2,3-cd)pyrene	0.020U	U,P1,P2,S12	mg/kg	0.058	0.020	SW846 8270E	1	06/17/2024 15:34	S7M	A
Naphthalene	0.020U	U,P1,P2,S12	mg/kg	0.058	0.020	SW846 8270E	1	06/17/2024 15:34	S7M	A
Phenanthrene	0.38	P1,P2,S12	mg/kg	0.058	0.020	SW846 8270E	1	06/17/2024 15:34	S7M	A
Pyrene	0.020U	U,P1,P2,S12	mg/kg	0.058	0.020	SW846 8270E	1	06/17/2024 15:34	S7M	A

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## Results

Client Sample ID	SB-17 (6-8)	Collected	06/04/2024 16:30
Lab Sample ID	3363483029	Lab Receipt	06/08/2024 08:37

### SEMIVOLATILES (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
<i>SURROGATES</i>										
Compound	CAS No			Recovery		Limits(%)		Analysis Date/Time		Qualifiers
2,4,6-Tribromophenol	118-79-6			65.6%		19 - 132		06/17/2024 15:34		
2-Fluorobiphenyl	321-60-8			62.4%		40 - 110		06/17/2024 15:34		
2-Fluorophenol	367-12-4			60.2%		26 - 116		06/17/2024 15:34		
Nitrobenzene-d5	4165-60-0			63.7%		38 - 112		06/17/2024 15:34		
Phenol-d5	4165-62-2			65.9%		35 - 111		06/17/2024 15:34		
Terphenyl-d14	98904-43-9			79.4%		45 - 126		06/17/2024 15:34		

### VOLATILE ORGANICS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1-Trichloroethane	0.00077U	U,P1,P2,S12	mg/kg	0.0025	0.00077	SW846 8260D	1	06/13/2024 06:33	PDK	A2
1,1,2,2-Tetrachloroethane	0.00069U	U,P1,P2,S12	mg/kg	0.0025	0.00069	SW846 8260D	1	06/13/2024 06:33	PDK	A2
1,1,2-Trichloroethane	0.00069U	U,P1,P2,S12	mg/kg	0.0025	0.00069	SW846 8260D	1	06/13/2024 06:33	PDK	A2
1,1-Dichloroethane	0.00062U	U,P1,P2,S12	mg/kg	0.0025	0.00062	SW846 8260D	1	06/13/2024 06:33	PDK	A2
1,1-Dichloroethene	0.00064U	U,P1,P2,S12	mg/kg	0.0025	0.00064	SW846 8260D	1	06/13/2024 06:33	PDK	A2
1,1-Dichloropropene	0.00062U	U,P1,P2,S12	mg/kg	0.0025	0.00062	SW846 8260D	1	06/13/2024 06:33	PDK	A2
1,2,3-Trichlorobenzene	0.00062U	U,P1,P2,S12	mg/kg	0.0062	0.00062	SW846 8260D	1	06/13/2024 06:33	PDK	A2
1,2,3-Trichloropropane	0.00062U	U,P1,P2,S12	mg/kg	0.0025	0.00062	SW846 8260D	1	06/13/2024 06:33	PDK	A2
1,2,4-Trichlorobenzene	0.00062U	U,P1,P2,S12	mg/kg	0.0062	0.00062	SW846 8260D	1	06/13/2024 06:33	PDK	A2
1,2,4-Trimethylbenzene	0.00062U	U,P1,P2,S12	mg/kg	0.0025	0.00062	SW846 8260D	1	06/13/2024 06:33	PDK	A2
1,2-Dibromo-3-chloropropane	0.00031U	U,P1,P2,S12	mg/kg	0.0025	0.00031	SW846 8260D	1	06/13/2024 06:33	PDK	A2
1,2-Dibromoethane	0.00067U	U,P1,P2,S12	mg/kg	0.0025	0.00067	SW846 8260D	1	06/13/2024 06:33	PDK	A2
1,2-Dichlorobenzene	0.00062U	U,P1,P2,S12	mg/kg	0.0025	0.00062	SW846 8260D	1	06/13/2024 06:33	PDK	A2
1,2-Dichloroethane	0.00062U	U,P1,P2,S12	mg/kg	0.0025	0.00062	SW846 8260D	1	06/13/2024 06:33	PDK	A2
1,2-Dichloropropane	0.00074U	U,P1,P2,S12	mg/kg	0.0025	0.00074	SW846 8260D	1	06/13/2024 06:33	PDK	A2
1,3,5-Trimethylbenzene	0.00062U	U,P1,P2,S12	mg/kg	0.0025	0.00062	SW846 8260D	1	06/13/2024 06:33	PDK	A2
1,3-Dichlorobenzene	0.00062U	U,P1,P2,S12	mg/kg	0.0025	0.00062	SW846 8260D	1	06/13/2024 06:33	PDK	A2
1,3-Dichloropropane	0.0010U	U,P1,P2,S12	mg/kg	0.0025	0.0010	SW846 8260D	1	06/13/2024 06:33	PDK	A2
1,4-Dichlorobenzene	0.00062U	U,P1,P2,S12	mg/kg	0.0025	0.00062	SW846 8260D	1	06/13/2024 06:33	PDK	A2
2,2-Dichloropropane	0.00062U	U,P1,P2,S12	mg/kg	0.0025	0.00062	SW846 8260D	1	06/13/2024 06:33	PDK	A2
2-Butanone	0.014	P1,P2,S12	mg/kg	0.012	0.0040	SW846 8260D	1	06/13/2024 06:33	PDK	A2
2-Hexanone	0.0035U	U,P1,P2,S12	mg/kg	0.012	0.0035	SW846 8260D	1	06/13/2024 06:33	PDK	A2
4-Methyl-2-Pentanone(MIBK)	0.0047U	U,P1,P2,S12	mg/kg	0.012	0.0047	SW846 8260D	1	06/13/2024 06:33	PDK	A2
Acetone	0.061	P1,P2,S12	mg/kg	0.012	0.0057	SW846 8260D	1	06/13/2024 06:33	PDK	A2
Benzene	0.00062U	U,P1,P2,S12	mg/kg	0.0025	0.00062	SW846 8260D	1	06/13/2024 06:33	PDK	A2



**Results**

Client Sample ID	SB-17 (6-8)	Collected	06/04/2024 16:30
Lab Sample ID	3363483029	Lab Receipt	06/08/2024 08:37

**VOLATILE ORGANICS (cont.)**

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Bromobenzene	0.00062U	U,P1,P2,S12	mg/kg	0.0025	0.00062	SW846 8260D	1	06/13/2024 06:33	PDK	A2
Bromochloromethane	0.00062U	U,P1,P2,S12	mg/kg	0.0025	0.00062	SW846 8260D	1	06/13/2024 06:33	PDK	A2
Bromodichloromethane	0.00088U	U,P1,P2,S12	mg/kg	0.0025	0.00088	SW846 8260D	1	06/13/2024 06:33	PDK	A2
Bromoform	0.00064U	U,P1,P2,S12	mg/kg	0.0025	0.00064	SW846 8260D	1	06/13/2024 06:33	PDK	A2
Bromomethane	0.00064U	U,P1,P2,S12	mg/kg	0.0025	0.00064	SW846 8260D	1	06/13/2024 06:33	PDK	A2
Carbon Disulfide	0.0012J	J,P1,P2,S12	mg/kg	0.0025	0.00078	SW846 8260D	1	06/13/2024 06:33	PDK	A2
Carbon Tetrachloride	0.00063U	U,P1,P2,S12	mg/kg	0.0025	0.00063	SW846 8260D	1	06/13/2024 06:33	PDK	A2
Chlorobenzene	0.00063U	U,P1,P2,S12	mg/kg	0.0025	0.00063	SW846 8260D	1	06/13/2024 06:33	PDK	A2
Chlorodibromomethane	0.00084U	U,P1,P2,S12	mg/kg	0.0025	0.00084	SW846 8260D	1	06/13/2024 06:33	PDK	A2
Chloroethane	0.0011U	U,P1,P2,S12	mg/kg	0.0062	0.0011	SW846 8260D	1	06/13/2024 06:33	PDK	A2
Chloroform	0.00066U	U,P1,P2,S12	mg/kg	0.0025	0.00066	SW846 8260D	1	06/13/2024 06:33	PDK	A2
Chloromethane	0.00068U	U,P1,P2,S12	mg/kg	0.0025	0.00068	SW846 8260D	1	06/13/2024 06:33	PDK	A2
cis-1,2-Dichloroethene	0.00062U	U,P1,P2,S12	mg/kg	0.0025	0.00062	SW846 8260D	1	06/13/2024 06:33	PDK	A2
cis-1,3-Dichloropropene	0.00068U	U,P1,P2,S12	mg/kg	0.0025	0.00068	SW846 8260D	1	06/13/2024 06:33	PDK	A2
Dibromomethane	0.00089U	U,P1,P2,S12	mg/kg	0.0025	0.00089	SW846 8260D	1	06/13/2024 06:33	PDK	A2
Dichlorodifluoromethane	0.00083U	U,P1,P2,S12	mg/kg	0.0025	0.00083	SW846 8260D	1	06/13/2024 06:33	PDK	A2
Ethylbenzene	0.00084U	U,P1,P2,S12	mg/kg	0.0025	0.00084	SW846 8260D	1	06/13/2024 06:33	PDK	A2
Freon 113	0.00062U	U,10,P1,P2,S12	mg/kg	0.0025	0.00062	SW846 8260D	1	06/13/2024 06:33	PDK	A2
Hexachlorobutadiene	0.00062U	U,P1,P2,S12	mg/kg	0.0062	0.00062	SW846 8260D	1	06/13/2024 06:33	PDK	A2
Isopropylbenzene	0.0075	P1,P2,S12	mg/kg	0.0025	0.00075	SW846 8260D	1	06/13/2024 06:33	PDK	A2
Methyl t-Butyl Ether	0.00062U	U,P1,P2,S12	mg/kg	0.0025	0.00062	SW846 8260D	1	06/13/2024 06:33	PDK	A2
Methylene Chloride	0.0041	P1,P2,S12	mg/kg	0.0025	0.00096	SW846 8260D	1	06/13/2024 06:33	PDK	A2
mp-Xylene	0.0010U	U,P1,P2,S12	mg/kg	0.0049	0.0010	SW846 8260D	1	06/13/2024 06:33	PDK	A2
Naphthalene	0.0053	P1,P2,S12	mg/kg	0.0025	0.00062	SW846 8260D	1	06/13/2024 06:33	PDK	A2
n-Butylbenzene	0.022	P1,P2,S12	mg/kg	0.0025	0.00062	SW846 8260D	1	06/13/2024 06:33	PDK	A2
n-Propylbenzene	0.016	P1,P2,S12	mg/kg	0.0025	0.00062	SW846 8260D	1	06/13/2024 06:33	PDK	A2
o-Chlorotoluene	0.00062U	U,P1,P2,S12	mg/kg	0.0025	0.00062	SW846 8260D	1	06/13/2024 06:33	PDK	A2
o-Xylene	0.00072U	U,P1,P2,S12	mg/kg	0.0025	0.00072	SW846 8260D	1	06/13/2024 06:33	PDK	A2
p-Chlorotoluene	0.00062U	U,P1,P2,S12	mg/kg	0.0025	0.00062	SW846 8260D	1	06/13/2024 06:33	PDK	A2
p-Isopropyltoluene	0.00062U	U,P1,P2,S12	mg/kg	0.0025	0.00062	SW846 8260D	1	06/13/2024 06:33	PDK	A2
sec-Butylbenzene	0.021	P1,P2,S12	mg/kg	0.0025	0.00062	SW846 8260D	1	06/13/2024 06:33	PDK	A2
Styrene	0.00062U	U,P1,P2,S12	mg/kg	0.0025	0.00062	SW846 8260D	1	06/13/2024 06:33	PDK	A2
tert-Butylbenzene	0.0032	P1,P2,S12	mg/kg	0.0025	0.00068	SW846 8260D	1	06/13/2024 06:33	PDK	A2
Tetrachloroethene	0.00074U	U,P1,P2,S12	mg/kg	0.0025	0.00074	SW846 8260D	1	06/13/2024 06:33	PDK	A2
Toluene	0.00083U	U,P1,P2,S12	mg/kg	0.0025	0.00083	SW846 8260D	1	06/13/2024 06:33	PDK	A2
Total Xylenes	0.0017U	U,P1,P2,S12	mg/kg	0.0074	0.0017	SW846 8260D	1	06/13/2024 06:33	PDK	A2

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**Results**

Client Sample ID	SB-17 (6-8)	Collected	06/04/2024 16:30
Lab Sample ID	3363483029	Lab Receipt	06/08/2024 08:37

**VOLATILE ORGANICS (cont.)**

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
trans-1,2-Dichloroethene	0.00064U	U,P1,P2,S12	mg/kg	0.0025	0.00064	SW846 8260D	1	06/13/2024 06:33	PDK	A2
trans-1,3-Dichloropropene	0.00072U	U,P1,P2,S12	mg/kg	0.0025	0.00072	SW846 8260D	1	06/13/2024 06:33	PDK	A2
Trichloroethene	0.00062U	U,P1,P2,S12	mg/kg	0.0025	0.00062	SW846 8260D	1	06/13/2024 06:33	PDK	A2
Trichlorofluoromethane	0.00062U	U,P1,P2,S12	mg/kg	0.0025	0.00062	SW846 8260D	1	06/13/2024 06:33	PDK	A2
Vinyl Chloride	0.00062U	U,P1,P2,S12	mg/kg	0.0025	0.00062	SW846 8260D	1	06/13/2024 06:33	PDK	A2

*SURROGATES*

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	109%	56 - 124	06/13/2024 06:33	
4-Bromofluorobenzene	460-00-4	97.2%	51 - 128	06/13/2024 06:33	
Dibromofluoromethane	1868-53-7	104%	62 - 123	06/13/2024 06:33	
Toluene-d8	2037-26-5	98.9%	59 - 131	06/13/2024 06:33	

**WET CHEMISTRY**

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Moisture	15.6	P1,P2,S12	%	0.1	0.01	S2540G-11	1	06/10/2024 16:21	E1R	A
Total Solids	84.4	P1,P2,S12	%	0.1	0.01	S2540G-11	1	06/10/2024 16:21	E1R	A

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## Results

Client Sample ID	SB-17 (8-10)	Collected	06/04/2024 16:30
Lab Sample ID	3363483030	Lab Receipt	06/08/2024 08:37

### GASOLINE RANGE ORGANICS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Gasoline Range Organics	211	P1,P2,S13	mg/kg	12.9	2.2	SW846 8015D	100	06/15/2024 05:57	JTH	A1

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
a,a,a-Trifluorotoluene	98-08-8	132%	72 - 134	06/15/2024 05:57	

### PETROLEUM HC's

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Diesel Range Organics C10-C28	832	P1,P2,S13	mg/kg	121	33.2	SW846 8015D	10	06/18/2024 02:34	DXL	A

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
o-Terphenyl	84-15-1	117%	36 - 122	06/18/2024 02:34	

### SEMIVOLATILE SIM

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,4-Dioxane	0.0029U	U,P1,P2,S13	mg/kg	0.0057	0.0029	SW846 8270E SIM	1	06/19/2024 13:16	S7M	A
1-Methylnaphthalene	0.38	P1,P2,S13	mg/kg	0.0057	0.0010	SW846 8270E SIM	1	06/19/2024 13:16	S7M	A
2-Methylnaphthalene	0.16	P1,P2,S13	mg/kg	0.0057	0.0015	SW846 8270E SIM	1	06/19/2024 13:16	S7M	A
Acenaphthene	0.13	P1,P2,S13	mg/kg	0.0057	0.0010	SW846 8270E SIM	1	06/19/2024 13:16	S7M	A
Acenaphthylene	0.0010U	U,P1,P2,S13	mg/kg	0.0057	0.0010	SW846 8270E SIM	1	06/19/2024 13:16	S7M	A
Anthracene	0.089	P1,P2,S13	mg/kg	0.0057	0.00092	SW846 8270E SIM	1	06/19/2024 13:16	S7M	A
Benzo(a)anthracene	0.00092U	U,P1,P2,S13	mg/kg	0.0057	0.00092	SW846 8270E SIM	1	06/19/2024 13:16	S7M	A
Benzo(a)pyrene	0.00092U	U,P1,P2,S13	mg/kg	0.0057	0.00092	SW846 8270E SIM	1	06/19/2024 13:16	S7M	A
Benzo(b)fluoranthene	0.00092U	U,P1,P2,S13	mg/kg	0.0057	0.00092	SW846 8270E SIM	1	06/19/2024 13:16	S7M	A
Benzo(g,h,i)perylene	0.0011U	U,12,P1,P2,S13	mg/kg	0.0057	0.0011	SW846 8270E SIM	1	06/19/2024 13:16	S7M	A
Benzo(k)fluoranthene	0.0010U	U,P1,P2,S13	mg/kg	0.0057	0.0010	SW846 8270E SIM	1	06/19/2024 13:16	S7M	A
Chrysene	0.0037J	J,P1,P2,S13	mg/kg	0.0057	0.0010	SW846 8270E SIM	1	06/19/2024 13:16	S7M	A
Dibenzo(a,h)anthracene	0.00080U	U,P1,P2,S13	mg/kg	0.0057	0.00080	SW846 8270E SIM	1	06/19/2024 13:16	S7M	A
Fluoranthene	0.0010U	U,P1,P2,S13	mg/kg	0.0057	0.0010	SW846 8270E SIM	1	06/19/2024 13:16	S7M	A
Fluorene	0.32	P1,P2,S13	mg/kg	0.0057	0.0011	SW846 8270E SIM	1	06/19/2024 13:16	S7M	A
Indeno(1,2,3-cd)pyrene	0.00092U	U,P1,P2,S13	mg/kg	0.0057	0.00092	SW846 8270E SIM	1	06/19/2024 13:16	S7M	A
Naphthalene	0.028	P1,P2,S13	mg/kg	0.0057	0.0013	SW846 8270E SIM	1	06/19/2024 13:16	S7M	A
Phenanthrene	1.2	E,P1,P2,S13	mg/kg	0.0057	0.0013	SW846 8270E SIM	1	06/19/2024 13:16	S7M	A



## Results

Client Sample ID	SB-17 (8-10)	Collected	06/04/2024 16:30
Lab Sample ID	3363483030	Lab Receipt	06/08/2024 08:37

### SEMIVOLATILE SIM (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Pyrene	0.034	P1,P2,S13	mg/kg	0.0057	0.00092	SW846 8270E SIM	1	06/19/2024 13:16	S7M	A

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
2-Methylnaphthalene-d10	7297-45-2	91.3%	50 - 150	06/19/2024 13:16	
Fluoranthene-d10	93951-69-0	111%	50 - 150	06/19/2024 13:16	

### SEMIVOLATILES

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1-Methylnaphthalene	0.35	P1,P2,S13	mg/kg	0.11	0.019	SW846 8270E	1	06/18/2024 04:36	S7M	A
2-Methylnaphthalene	0.15	P1,P2,S13	mg/kg	0.11	0.019	SW846 8270E	1	06/18/2024 04:36	S7M	A
Acenaphthene	0.019U	U,P1,P2,S13	mg/kg	0.057	0.019	SW846 8270E	1	06/18/2024 04:36	S7M	A
Acenaphthylene	0.019U	U,P1,P2,S13	mg/kg	0.057	0.019	SW846 8270E	1	06/18/2024 04:36	S7M	A
Anthracene	0.076	P1,P2,S13	mg/kg	0.057	0.019	SW846 8270E	1	06/18/2024 04:36	S7M	A
Benzo(a)anthracene	0.019U	U,P1,P2,S13	mg/kg	0.057	0.019	SW846 8270E	1	06/18/2024 04:36	S7M	A
Benzo(a)pyrene	0.019U	U,P1,P2,S13	mg/kg	0.057	0.019	SW846 8270E	1	06/18/2024 04:36	S7M	A
Benzo(b)fluoranthene	0.019U	U,P1,P2,S13	mg/kg	0.057	0.019	SW846 8270E	1	06/18/2024 04:36	S7M	A
Benzo(g,h,i)perylene	0.019U	U,P1,P2,S13	mg/kg	0.057	0.019	SW846 8270E	1	06/18/2024 04:36	S7M	A
Benzo(k)fluoranthene	0.019U	U,P1,P2,S13	mg/kg	0.057	0.019	SW846 8270E	1	06/18/2024 04:36	S7M	A
Carbazole	0.019U	U,P1,P2,S13	mg/kg	0.11	0.019	SW846 8270E	1	06/18/2024 04:36	S7M	A
Chrysene	0.019U	U,P1,P2,S13	mg/kg	0.057	0.019	SW846 8270E	1	06/18/2024 04:36	S7M	A
Dibenzo(a,h)anthracene	0.019U	U,P1,P2,S13	mg/kg	0.057	0.019	SW846 8270E	1	06/18/2024 04:36	S7M	A
Dibenzofuran	0.11J	J,P1,P2,S13	mg/kg	0.11	0.019	SW846 8270E	1	06/18/2024 04:36	S7M	A
Fluoranthene	0.019U	U,P1,P2,S13	mg/kg	0.057	0.019	SW846 8270E	1	06/18/2024 04:36	S7M	A
Fluorene	0.31	P1,P2,S13	mg/kg	0.057	0.019	SW846 8270E	1	06/18/2024 04:36	S7M	A
Indeno(1,2,3-cd)pyrene	0.019U	U,P1,P2,S13	mg/kg	0.057	0.019	SW846 8270E	1	06/18/2024 04:36	S7M	A
Naphthalene	0.022J	J,P1,P2,S13	mg/kg	0.057	0.019	SW846 8270E	1	06/18/2024 04:36	S7M	A
Phenanthrene	1.1	P1,P2,S13	mg/kg	0.057	0.019	SW846 8270E	1	06/18/2024 04:36	S7M	A
Pyrene	0.031J	J,P1,P2,S13	mg/kg	0.057	0.019	SW846 8270E	1	06/18/2024 04:36	S7M	A

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## Results

Client Sample ID	SB-17 (8-10)	Collected	06/04/2024 16:30
Lab Sample ID	3363483030	Lab Receipt	06/08/2024 08:37

### SEMIVOLATILES (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
<i>SURROGATES</i>										
Compound	CAS No			Recovery		Limits(%)		Analysis Date/Time		Qualifiers
2,4,6-Tribromophenol	118-79-6			72.3%		19 - 132		06/18/2024 04:36		
2-Fluorobiphenyl	321-60-8			67.2%		40 - 110		06/18/2024 04:36		
2-Fluorophenol	367-12-4			69.4%		26 - 116		06/18/2024 04:36		
Nitrobenzene-d5	4165-60-0			74.4%		38 - 112		06/18/2024 04:36		
Phenol-d5	4165-62-2			75.5%		35 - 111		06/18/2024 04:36		
Terphenyl-d14	98904-43-9			94.3%		45 - 126		06/18/2024 04:36		

### VOLATILE ORGANICS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1-Trichloroethane	0.014U	U,P1,P2,S13	mg/kg	0.064	0.014	SW846 8260D	50	06/14/2024 22:23	BST	A1
1,1,2,2-Tetrachloroethane	0.022U	U,P1,P2,S13	mg/kg	0.064	0.022	SW846 8260D	50	06/14/2024 22:23	BST	A1
1,1,2-Trichloroethane	0.021U	U,P1,P2,S13	mg/kg	0.064	0.021	SW846 8260D	50	06/14/2024 22:23	BST	A1
1,1-Dichloroethane	0.018U	U,P1,P2,S13	mg/kg	0.064	0.018	SW846 8260D	50	06/14/2024 22:23	BST	A1
1,1-Dichloroethene	0.019U	U,P1,P2,S13	mg/kg	0.064	0.019	SW846 8260D	50	06/14/2024 22:23	BST	A1
1,1-Dichloropropene	0.017U	U,P1,P2,S13	mg/kg	0.064	0.017	SW846 8260D	50	06/14/2024 22:23	BST	A1
1,2,3-Trichlorobenzene	0.060U	U,P1,P2,S13	mg/kg	0.13	0.060	SW846 8260D	50	06/14/2024 22:23	BST	A1
1,2,3-Trichloropropane	0.039U	U,P1,P2,S13	mg/kg	0.13	0.039	SW846 8260D	50	06/14/2024 22:23	BST	A1
1,2,4-Trichlorobenzene	0.053U	U,P1,P2,S13	mg/kg	0.13	0.053	SW846 8260D	50	06/14/2024 22:23	BST	A1
1,2,4-Trimethylbenzene	0.016U	U,P1,P2,S13	mg/kg	0.064	0.016	SW846 8260D	50	06/14/2024 22:23	BST	A1
1,2-Dibromo-3-chloropropane	0.097U	U,P1,P2,S13	mg/kg	0.45	0.097	SW846 8260D	50	06/14/2024 22:23	BST	A1
1,2-Dibromoethane	0.018U	U,P1,P2,S13	mg/kg	0.064	0.018	SW846 8260D	50	06/14/2024 22:23	BST	A1
1,2-Dichlorobenzene	0.024U	U,P1,P2,S13	mg/kg	0.064	0.024	SW846 8260D	50	06/14/2024 22:23	BST	A1
1,2-Dichloroethane	0.021U	U,P1,P2,S13	mg/kg	0.064	0.021	SW846 8260D	50	06/14/2024 22:23	BST	A1
1,2-Dichloropropane	0.015U	U,P1,P2,S13	mg/kg	0.064	0.015	SW846 8260D	50	06/14/2024 22:23	BST	A1
1,3,5-Trimethylbenzene	0.013U	U,P1,P2,S13	mg/kg	0.064	0.013	SW846 8260D	50	06/14/2024 22:23	BST	A1
1,3-Dichlorobenzene	0.016U	U,P1,P2,S13	mg/kg	0.064	0.016	SW846 8260D	50	06/14/2024 22:23	BST	A1
1,3-Dichloropropane	0.017U	U,P1,P2,S13	mg/kg	0.064	0.017	SW846 8260D	50	06/14/2024 22:23	BST	A1
1,4-Dichlorobenzene	0.017U	U,P1,P2,S13	mg/kg	0.064	0.017	SW846 8260D	50	06/14/2024 22:23	BST	A1
2,2-Dichloropropane	0.021U	U,P1,P2,S13	mg/kg	0.064	0.021	SW846 8260D	50	06/14/2024 22:23	BST	A1
2-Butanone	0.12U	U,P1,P2,S13	mg/kg	0.64	0.12	SW846 8260D	50	06/14/2024 22:23	BST	A1
2-Hexanone	0.084U	U,P1,P2,S13	mg/kg	0.32	0.084	SW846 8260D	50	06/14/2024 22:23	BST	A1
4-Methyl-2-Pentanone(MIBK)	0.097U	U,P1,P2,S13	mg/kg	0.32	0.097	SW846 8260D	50	06/14/2024 22:23	BST	A1
Acetone	0.20U	U,P1,P2,S13	mg/kg	0.64	0.20	SW846 8260D	50	06/14/2024 22:23	BST	A1
Benzene	0.015U	U,P1,P2,S13	mg/kg	0.064	0.015	SW846 8260D	50	06/14/2024 22:23	BST	A1





**Results**

Client Sample ID SB-17 (8-10) Collected 06/04/2024 16:30  
 Lab Sample ID 3363483030 Lab Receipt 06/08/2024 08:37

**VOLATILE ORGANICS (cont.)**

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Bromobenzene	0.021U	U,P1,P2,S13	mg/kg	0.064	0.021	SW846 8260D	50	06/14/2024 22:23	BST	A1
Bromochloromethane	0.021U	U,P1,P2,S13	mg/kg	0.064	0.021	SW846 8260D	50	06/14/2024 22:23	BST	A1
Bromodichloromethane	0.017U	U,P1,P2,S13	mg/kg	0.064	0.017	SW846 8260D	50	06/14/2024 22:23	BST	A1
Bromoform	0.026U	U,P1,P2,S13	mg/kg	0.064	0.026	SW846 8260D	50	06/14/2024 22:23	BST	A1
Bromomethane	0.025U	U,11,P1,P2,S13	mg/kg	0.064	0.025	SW846 8260D	50	06/14/2024 22:23	BST	A1
Carbon Disulfide	0.015U	U,P1,P2,S13	mg/kg	0.064	0.015	SW846 8260D	50	06/14/2024 22:23	BST	A1
Carbon Tetrachloride	0.020U	U,P1,P2,S13	mg/kg	0.064	0.020	SW846 8260D	50	06/14/2024 22:23	BST	A1
Chlorobenzene	0.012U	U,P1,P2,S13	mg/kg	0.064	0.012	SW846 8260D	50	06/14/2024 22:23	BST	A1
Chlorodibromomethane	0.029U	U,P1,P2,S13	mg/kg	0.064	0.029	SW846 8260D	50	06/14/2024 22:23	BST	A1
Chloroethane	0.021U	U,P1,P2,S13	mg/kg	0.064	0.021	SW846 8260D	50	06/14/2024 22:23	BST	A1
Chloroform	0.014U	U,P1,P2,S13	mg/kg	0.064	0.014	SW846 8260D	50	06/14/2024 22:23	BST	A1
Chloromethane	0.020U	U,P1,P2,S13	mg/kg	0.064	0.020	SW846 8260D	50	06/14/2024 22:23	BST	A1
cis-1,2-Dichloroethene	0.021U	U,P1,P2,S13	mg/kg	0.064	0.021	SW846 8260D	50	06/14/2024 22:23	BST	A1
cis-1,3-Dichloropropene	0.020U	U,P1,P2,S13	mg/kg	0.064	0.020	SW846 8260D	50	06/14/2024 22:23	BST	A1
Dibromomethane	0.020U	U,P1,P2,S13	mg/kg	0.064	0.020	SW846 8260D	50	06/14/2024 22:23	BST	A1
Dichlorodifluoromethane	0.021U	U,P1,P2,S13	mg/kg	0.064	0.021	SW846 8260D	50	06/14/2024 22:23	BST	A1
Ethylbenzene	0.022U	U,P1,P2,S13	mg/kg	0.064	0.022	SW846 8260D	50	06/14/2024 22:23	BST	A1
Freon 113	0.017U	U,P1,P2,S13	mg/kg	0.064	0.017	SW846 8260D	50	06/14/2024 22:23	BST	A1
Hexachlorobutadiene	0.064U	U,P1,P2,S13	mg/kg	0.32	0.064	SW846 8260D	50	06/14/2024 22:23	BST	A1
Isopropylbenzene	0.36	P1,P2,S13	mg/kg	0.064	0.014	SW846 8260D	50	06/14/2024 22:23	BST	A1
Methyl t-Butyl Ether	0.021U	U,P1,P2,S13	mg/kg	0.064	0.021	SW846 8260D	50	06/14/2024 22:23	BST	A1
Methylene Chloride	0.029U	U,P1,P2,S13	mg/kg	0.064	0.029	SW846 8260D	50	06/14/2024 22:23	BST	A1
mp-Xylene	0.033U	U,P1,P2,S13	mg/kg	0.13	0.033	SW846 8260D	50	06/14/2024 22:23	BST	A1
Naphthalene	1.0	P1,P2,S13	mg/kg	0.13	0.022	SW846 8260D	50	06/14/2024 22:23	BST	A1
n-Butylbenzene	1.3	P1,P2,S13	mg/kg	0.13	0.039	SW846 8260D	50	06/14/2024 22:23	BST	A1
n-Propylbenzene	0.85	P1,P2,S13	mg/kg	0.064	0.021	SW846 8260D	50	06/14/2024 22:23	BST	A1
o-Chlorotoluene	0.017U	U,P1,P2,S13	mg/kg	0.064	0.017	SW846 8260D	50	06/14/2024 22:23	BST	A1
o-Xylene	0.021U	U,P1,P2,S13	mg/kg	0.064	0.021	SW846 8260D	50	06/14/2024 22:23	BST	A1
p-Chlorotoluene	0.021U	U,P1,P2,S13	mg/kg	0.064	0.021	SW846 8260D	50	06/14/2024 22:23	BST	A1
p-Isopropyltoluene	0.021U	U,P1,P2,S13	mg/kg	0.064	0.021	SW846 8260D	50	06/14/2024 22:23	BST	A1
sec-Butylbenzene	0.53	P1,P2,S13	mg/kg	0.064	0.020	SW846 8260D	50	06/14/2024 22:23	BST	A1
Styrene	0.015U	U,P1,P2,S13	mg/kg	0.064	0.015	SW846 8260D	50	06/14/2024 22:23	BST	A1
tert-Butylbenzene	0.028U	U,P1,P2,S13	mg/kg	0.13	0.028	SW846 8260D	50	06/14/2024 22:23	BST	A1
Tetrachloroethene	0.023U	U,P1,P2,S13	mg/kg	0.064	0.023	SW846 8260D	50	06/14/2024 22:23	BST	A1
Toluene	0.015U	U,P1,P2,S13	mg/kg	0.064	0.015	SW846 8260D	50	06/14/2024 22:23	BST	A1
Total Xylenes	0.042U	U,P1,P2,S13	mg/kg	0.19	0.042	SW846 8260D	50	06/14/2024 22:23	BST	A1

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## Results

Client Sample ID	SB-17 (8-10)	Collected	06/04/2024 16:30
Lab Sample ID	3363483030	Lab Receipt	06/08/2024 08:37

### VOLATILE ORGANICS (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
trans-1,2-Dichloroethene	0.017U	U,P1,P2,S13	mg/kg	0.064	0.017	SW846 8260D	50	06/14/2024 22:23	BST	A1
trans-1,3-Dichloropropene	0.019U	U,P1,P2,S13	mg/kg	0.064	0.019	SW846 8260D	50	06/14/2024 22:23	BST	A1
Trichloroethene	0.021U	U,P1,P2,S13	mg/kg	0.064	0.021	SW846 8260D	50	06/14/2024 22:23	BST	A1
Trichlorofluoromethane	0.015U	U,P1,P2,S13	mg/kg	0.064	0.015	SW846 8260D	50	06/14/2024 22:23	BST	A1
Vinyl Chloride	0.019U	U,P1,P2,S13	mg/kg	0.064	0.019	SW846 8260D	50	06/14/2024 22:23	BST	A1

### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	94.1%	71 - 146	06/14/2024 22:23	
4-Bromofluorobenzene	460-00-4	98%	46 - 138	06/14/2024 22:23	
Dibromofluoromethane	1868-53-7	77%	42 - 143	06/14/2024 22:23	
Toluene-d8	2037-26-5	94.9%	54 - 141	06/14/2024 22:23	

### WET CHEMISTRY

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Moisture	16.1	P1,P2,S13	%	0.1	0.01	S2540G-11	1	06/10/2024 16:21	E1R	A
Total Solids	83.9	P1,P2,S13	%	0.1	0.01	S2540G-11	1	06/10/2024 16:21	E1R	A

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## Results

Client Sample ID	SB-05 (0-2)	Collected	06/05/2024 09:05
Lab Sample ID	3363483031	Lab Receipt	06/08/2024 08:37

### GASOLINE RANGE ORGANICS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Gasoline Range Organics	14.9	P1,P2,S14	mg/kg	11.3	1.9	SW846 8015D	100	06/13/2024 22:07	JTH	A1

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
a,a,a-Trifluorotoluene	98-08-8	114%	72 - 134	06/13/2024 22:07	

### PETROLEUM HC's

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Diesel Range Organics C10-C28	275	P1,P2,S14	mg/kg	44.5	12.2	SW846 8015D	4	06/18/2024 03:06	DXL	A

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
o-Terphenyl	84-15-1	100%	36 - 122	06/18/2024 03:06	

### SEMIVOLATILE SIM

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,4-Dioxane	0.0026U	U,P1,P2,S14	mg/kg	0.0051	0.0026	SW846 8270E SIM	1	06/19/2024 13:44	S7M	B
1-Methylnaphthalene	0.58	P1,P2,S14	mg/kg	0.0051	0.00092	SW846 8270E SIM	1	06/19/2024 13:44	S7M	B
2-Methylnaphthalene	0.62	E,P1,P2,S14	mg/kg	0.0051	0.0013	SW846 8270E SIM	1	06/19/2024 13:44	S7M	B
Acenaphthene	0.00092U	U,P1,P2,S14	mg/kg	0.0051	0.00092	SW846 8270E SIM	1	06/19/2024 13:44	S7M	B
Acenaphthylene	0.020	P1,P2,S14	mg/kg	0.0051	0.00092	SW846 8270E SIM	1	06/19/2024 13:44	S7M	B
Anthracene	0.026	P1,P2,S14	mg/kg	0.0051	0.00082	SW846 8270E SIM	1	06/19/2024 13:44	S7M	B
Benzo(a)anthracene	0.081	P1,P2,S14	mg/kg	0.0051	0.00082	SW846 8270E SIM	1	06/19/2024 13:44	S7M	B
Benzo(a)pyrene	0.075	P1,P2,S14	mg/kg	0.0051	0.00082	SW846 8270E SIM	1	06/19/2024 13:44	S7M	B
Benzo(b)fluoranthene	0.11	P1,P2,S14	mg/kg	0.0051	0.00082	SW846 8270E SIM	1	06/19/2024 13:44	S7M	B
Benzo(g,h,i)perylene	0.083	12,P1,P2,S14	mg/kg	0.0051	0.0010	SW846 8270E SIM	1	06/19/2024 13:44	S7M	B
Benzo(k)fluoranthene	0.081	P1,P2,S14	mg/kg	0.0051	0.00092	SW846 8270E SIM	1	06/19/2024 13:44	S7M	B
Chrysene	0.14	P1,P2,S14	mg/kg	0.0051	0.00092	SW846 8270E SIM	1	06/19/2024 13:44	S7M	B
Dibenzo(a,h)anthracene	0.020	P1,P2,S14	mg/kg	0.0051	0.00072	SW846 8270E SIM	1	06/19/2024 13:44	S7M	B
Fluoranthene	0.11	P1,P2,S14	mg/kg	0.0051	0.00092	SW846 8270E SIM	1	06/19/2024 13:44	S7M	B
Fluorene	0.052	P1,P2,S14	mg/kg	0.0051	0.0010	SW846 8270E SIM	1	06/19/2024 13:44	S7M	B
Indeno(1,2,3-cd)pyrene	0.050	P1,P2,S14	mg/kg	0.0051	0.00082	SW846 8270E SIM	1	06/19/2024 13:44	S7M	B
Naphthalene	0.42	P1,P2,S14	mg/kg	0.0051	0.0011	SW846 8270E SIM	1	06/19/2024 13:44	S7M	B
Phenanthrene	0.46	P1,P2,S14	mg/kg	0.0051	0.0011	SW846 8270E SIM	1	06/19/2024 13:44	S7M	B



## Results

Client Sample ID	SB-05 (0-2)	Collected	06/05/2024 09:05
Lab Sample ID	3363483031	Lab Receipt	06/08/2024 08:37

### SEMIVOLATILE SIM (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Pyrene	0.13	P1,P2,S14	mg/kg	0.0051	0.00082	SW846 8270E SIM	1	06/19/2024 13:44	S7M	B

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
2-Methylnaphthalene-d10	7297-45-2	72.4%	50 - 150	06/19/2024 13:44	
Fluoranthene-d10	93951-69-0	96.5%	50 - 150	06/19/2024 13:44	

### SEMIVOLATILES

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1-Methylnaphthalene	0.59	P1,P2,S14	mg/kg	0.10	0.017	SW846 8270E	1	06/18/2024 05:01	S7M	B
2-Methylnaphthalene	0.65	P1,P2,S14	mg/kg	0.10	0.017	SW846 8270E	1	06/18/2024 05:01	S7M	B
Acenaphthene	0.017U	U,P1,P2,S14	mg/kg	0.051	0.017	SW846 8270E	1	06/18/2024 05:01	S7M	B
Acenaphthylene	0.017U	U,P1,P2,S14	mg/kg	0.051	0.017	SW846 8270E	1	06/18/2024 05:01	S7M	B
Anthracene	0.023J	J,P1,P2,S14	mg/kg	0.051	0.017	SW846 8270E	1	06/18/2024 05:01	S7M	B
Benzo(a)anthracene	0.077	P1,P2,S14	mg/kg	0.051	0.017	SW846 8270E	1	06/18/2024 05:01	S7M	B
Benzo(a)pyrene	0.073	P1,P2,S14	mg/kg	0.051	0.017	SW846 8270E	1	06/18/2024 05:01	S7M	B
Benzo(b)fluoranthene	0.11	P1,P2,S14	mg/kg	0.051	0.017	SW846 8270E	1	06/18/2024 05:01	S7M	B
Benzo(g,h,i)perylene	0.12	P1,P2,S14	mg/kg	0.051	0.017	SW846 8270E	1	06/18/2024 05:01	S7M	B
Benzo(k)fluoranthene	0.070	P1,P2,S14	mg/kg	0.051	0.017	SW846 8270E	1	06/18/2024 05:01	S7M	B
Carbazole	0.018J	J,P1,P2,S14	mg/kg	0.10	0.017	SW846 8270E	1	06/18/2024 05:01	S7M	B
Chrysene	0.14	P1,P2,S14	mg/kg	0.051	0.017	SW846 8270E	1	06/18/2024 05:01	S7M	B
Dibenzo(a,h)anthracene	0.022J	J,P1,P2,S14	mg/kg	0.051	0.017	SW846 8270E	1	06/18/2024 05:01	S7M	B
Dibenzofuran	0.17	P1,P2,S14	mg/kg	0.10	0.017	SW846 8270E	1	06/18/2024 05:01	S7M	B
Fluoranthene	0.10	P1,P2,S14	mg/kg	0.051	0.017	SW846 8270E	1	06/18/2024 05:01	S7M	B
Fluorene	0.038J	J,P1,P2,S14	mg/kg	0.051	0.017	SW846 8270E	1	06/18/2024 05:01	S7M	B
Indeno(1,2,3-cd)pyrene	0.061	P1,P2,S14	mg/kg	0.051	0.017	SW846 8270E	1	06/18/2024 05:01	S7M	B
Naphthalene	0.41	P1,P2,S14	mg/kg	0.051	0.017	SW846 8270E	1	06/18/2024 05:01	S7M	B
Phenanthrene	0.42	P1,P2,S14	mg/kg	0.051	0.017	SW846 8270E	1	06/18/2024 05:01	S7M	B
Pyrene	0.11	P1,P2,S14	mg/kg	0.051	0.017	SW846 8270E	1	06/18/2024 05:01	S7M	B

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## Results

Client Sample ID	SB-05 (0-2)	Collected	06/05/2024 09:05
Lab Sample ID	3363483031	Lab Receipt	06/08/2024 08:37

### SEMIVOLATILES (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
<i>SURROGATES</i>										
Compound	CAS No			Recovery		Limits(%)		Analysis Date/Time		Qualifiers
2,4,6-Tribromophenol	118-79-6			65.9%		19 - 132		06/18/2024 05:01		
2-Fluorobiphenyl	321-60-8			63.3%		40 - 110		06/18/2024 05:01		
2-Fluorophenol	367-12-4			59.9%		26 - 116		06/18/2024 05:01		
Nitrobenzene-d5	4165-60-0			73.4%		38 - 112		06/18/2024 05:01		
Phenol-d5	4165-62-2			67.4%		35 - 111		06/18/2024 05:01		
Terphenyl-d14	98904-43-9			76.9%		45 - 126		06/18/2024 05:01		

### VOLATILE ORGANICS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1-Trichloroethane	0.00064U	U,P1,P2,S14	mg/kg	0.0021	0.00064	SW846 8260D	1	06/14/2024 12:41	TMP	A2
1,1,2,2-Tetrachloroethane	0.00058U	U,P1,P2,S14	mg/kg	0.0021	0.00058	SW846 8260D	1	06/14/2024 12:41	TMP	A2
1,1,2-Trichloroethane	0.00058U	U,P1,P2,S14	mg/kg	0.0021	0.00058	SW846 8260D	1	06/14/2024 12:41	TMP	A2
1,1-Dichloroethane	0.00051U	U,P1,P2,S14	mg/kg	0.0021	0.00051	SW846 8260D	1	06/14/2024 12:41	TMP	A2
1,1-Dichloroethene	0.00054U	U,P1,P2,S14	mg/kg	0.0021	0.00054	SW846 8260D	1	06/14/2024 12:41	TMP	A2
1,1-Dichloropropene	0.00051U	U,P1,P2,S14	mg/kg	0.0021	0.00051	SW846 8260D	1	06/14/2024 12:41	TMP	A2
1,2,3-Trichlorobenzene	0.00051U	U,P1,P2,S14	mg/kg	0.0051	0.00051	SW846 8260D	1	06/14/2024 12:41	TMP	A2
1,2,3-Trichloropropane	0.00051U	U,P1,P2,S14	mg/kg	0.0021	0.00051	SW846 8260D	1	06/14/2024 12:41	TMP	A2
1,2,4-Trichlorobenzene	0.00051U	U,P1,P2,S14	mg/kg	0.0051	0.00051	SW846 8260D	1	06/14/2024 12:41	TMP	A2
1,2,4-Trimethylbenzene	0.00051U	U,P1,P2,S14	mg/kg	0.0021	0.00051	SW846 8260D	1	06/14/2024 12:41	TMP	A2
1,2-Dibromo-3-chloropropane	0.00026U	U,P1,P2,S14	mg/kg	0.0021	0.00026	SW846 8260D	1	06/14/2024 12:41	TMP	A2
1,2-Dibromoethane	0.00056U	U,P1,P2,S14	mg/kg	0.0021	0.00056	SW846 8260D	1	06/14/2024 12:41	TMP	A2
1,2-Dichlorobenzene	0.00051U	U,P1,P2,S14	mg/kg	0.0021	0.00051	SW846 8260D	1	06/14/2024 12:41	TMP	A2
1,2-Dichloroethane	0.00051U	U,P1,P2,S14	mg/kg	0.0021	0.00051	SW846 8260D	1	06/14/2024 12:41	TMP	A2
1,2-Dichloropropane	0.00062U	U,P1,P2,S14	mg/kg	0.0021	0.00062	SW846 8260D	1	06/14/2024 12:41	TMP	A2
1,3,5-Trimethylbenzene	0.00051U	U,P1,P2,S14	mg/kg	0.0021	0.00051	SW846 8260D	1	06/14/2024 12:41	TMP	A2
1,3-Dichlorobenzene	0.00051U	U,P1,P2,S14	mg/kg	0.0021	0.00051	SW846 8260D	1	06/14/2024 12:41	TMP	A2
1,3-Dichloropropane	0.00085U	U,P1,P2,S14	mg/kg	0.0021	0.00085	SW846 8260D	1	06/14/2024 12:41	TMP	A2
1,4-Dichlorobenzene	0.00051U	U,P1,P2,S14	mg/kg	0.0021	0.00051	SW846 8260D	1	06/14/2024 12:41	TMP	A2
2,2-Dichloropropane	0.00051U	U,P1,P2,S14	mg/kg	0.0021	0.00051	SW846 8260D	1	06/14/2024 12:41	TMP	A2
2-Butanone	0.0033U	U,P1,P2,S14	mg/kg	0.010	0.0033	SW846 8260D	1	06/14/2024 12:41	TMP	A2
2-Hexanone	0.0029U	U,P1,P2,S14	mg/kg	0.010	0.0029	SW846 8260D	1	06/14/2024 12:41	TMP	A2
4-Methyl-2-Pentanone(MIBK)	0.0039U	U,P1,P2,S14	mg/kg	0.010	0.0039	SW846 8260D	1	06/14/2024 12:41	TMP	A2
Acetone	0.0047U	U,P1,P2,S14	mg/kg	0.010	0.0047	SW846 8260D	1	06/14/2024 12:41	TMP	A2
Benzene	0.00051U	U,P1,P2,S14	mg/kg	0.0021	0.00051	SW846 8260D	1	06/14/2024 12:41	TMP	A2



**Results**

Client Sample ID	SB-05 (0-2)	Collected	06/05/2024 09:05
Lab Sample ID	3363483031	Lab Receipt	06/08/2024 08:37

**VOLATILE ORGANICS (cont.)**

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Bromobenzene	0.00051U	U,P1,P2,S14	mg/kg	0.0021	0.00051	SW846 8260D	1	06/14/2024 12:41	TMP	A2
Bromochloromethane	0.00051U	U,P1,P2,S14	mg/kg	0.0021	0.00051	SW846 8260D	1	06/14/2024 12:41	TMP	A2
Bromodichloromethane	0.00073U	U,P1,P2,S14	mg/kg	0.0021	0.00073	SW846 8260D	1	06/14/2024 12:41	TMP	A2
Bromoform	0.00054U	U,P1,P2,S14	mg/kg	0.0021	0.00054	SW846 8260D	1	06/14/2024 12:41	TMP	A2
Bromomethane	0.00054U	U,P1,P2,S14	mg/kg	0.0021	0.00054	SW846 8260D	1	06/14/2024 12:41	TMP	A2
Carbon Disulfide	0.00092J	J,P1,P2,S14	mg/kg	0.0021	0.00065	SW846 8260D	1	06/14/2024 12:41	TMP	A2
Carbon Tetrachloride	0.00052U	U,P1,P2,S14	mg/kg	0.0021	0.00052	SW846 8260D	1	06/14/2024 12:41	TMP	A2
Chlorobenzene	0.00052U	U,P1,P2,S14	mg/kg	0.0021	0.00052	SW846 8260D	1	06/14/2024 12:41	TMP	A2
Chlorodibromomethane	0.00070U	U,P1,P2,S14	mg/kg	0.0021	0.00070	SW846 8260D	1	06/14/2024 12:41	TMP	A2
Chloroethane	0.00087U	U,P1,P2,S14	mg/kg	0.0051	0.00087	SW846 8260D	1	06/14/2024 12:41	TMP	A2
Chloroform	0.00055U	U,P1,P2,S14	mg/kg	0.0021	0.00055	SW846 8260D	1	06/14/2024 12:41	TMP	A2
Chloromethane	0.00057U	U,P1,P2,S14	mg/kg	0.0021	0.00057	SW846 8260D	1	06/14/2024 12:41	TMP	A2
cis-1,2-Dichloroethene	0.00051U	U,P1,P2,S14	mg/kg	0.0021	0.00051	SW846 8260D	1	06/14/2024 12:41	TMP	A2
cis-1,3-Dichloropropene	0.00057U	U,P1,P2,S14	mg/kg	0.0021	0.00057	SW846 8260D	1	06/14/2024 12:41	TMP	A2
Dibromomethane	0.00074U	U,P1,P2,S14	mg/kg	0.0021	0.00074	SW846 8260D	1	06/14/2024 12:41	TMP	A2
Dichlorodifluoromethane	0.00069U	U,P1,P2,S14	mg/kg	0.0021	0.00069	SW846 8260D	1	06/14/2024 12:41	TMP	A2
Ethylbenzene	0.00080J	J,P1,P2,S14	mg/kg	0.0021	0.00070	SW846 8260D	1	06/14/2024 12:41	TMP	A2
Freon 113	0.00051U	U,5,6,P1,P2,S14	mg/kg	0.0021	0.00051	SW846 8260D	1	06/14/2024 12:41	TMP	A2
Hexachlorobutadiene	0.00051U	U,P1,P2,S14	mg/kg	0.0051	0.00051	SW846 8260D	1	06/14/2024 12:41	TMP	A2
Isopropylbenzene	0.00063U	U,P1,P2,S14	mg/kg	0.0021	0.00063	SW846 8260D	1	06/14/2024 12:41	TMP	A2
Methyl t-Butyl Ether	0.00051U	U,P1,P2,S14	mg/kg	0.0021	0.00051	SW846 8260D	1	06/14/2024 12:41	TMP	A2
Methylene Chloride	0.0049	P1,P2,S14	mg/kg	0.0021	0.00080	SW846 8260D	1	06/14/2024 12:41	TMP	A2
mp-Xylene	0.0013J	J,P1,P2,S14	mg/kg	0.0041	0.00085	SW846 8260D	1	06/14/2024 12:41	TMP	A2
Naphthalene	0.00051U	U,P1,P2,S14	mg/kg	0.0021	0.00051	SW846 8260D	1	06/14/2024 12:41	TMP	A2
n-Butylbenzene	0.00051U	U,4,P1,P2,S14	mg/kg	0.0021	0.00051	SW846 8260D	1	06/14/2024 12:41	TMP	A2
n-Propylbenzene	0.00051U	U,P1,P2,S14	mg/kg	0.0021	0.00051	SW846 8260D	1	06/14/2024 12:41	TMP	A2
o-Chlorotoluene	0.00051U	U,P1,P2,S14	mg/kg	0.0021	0.00051	SW846 8260D	1	06/14/2024 12:41	TMP	A2
o-Xylene	0.00060U	U,P1,P2,S14	mg/kg	0.0021	0.00060	SW846 8260D	1	06/14/2024 12:41	TMP	A2
p-Chlorotoluene	0.00051U	U,P1,P2,S14	mg/kg	0.0021	0.00051	SW846 8260D	1	06/14/2024 12:41	TMP	A2
p-Isopropyltoluene	0.00051U	U,P1,P2,S14	mg/kg	0.0021	0.00051	SW846 8260D	1	06/14/2024 12:41	TMP	A2
sec-Butylbenzene	0.00093J	J,P1,P2,S14	mg/kg	0.0021	0.00051	SW846 8260D	1	06/14/2024 12:41	TMP	A2
Styrene	0.00051U	U,P1,P2,S14	mg/kg	0.0021	0.00051	SW846 8260D	1	06/14/2024 12:41	TMP	A2
tert-Butylbenzene	0.00057U	U,P1,P2,S14	mg/kg	0.0021	0.00057	SW846 8260D	1	06/14/2024 12:41	TMP	A2
Tetrachloroethene	0.00062U	U,P1,P2,S14	mg/kg	0.0021	0.00062	SW846 8260D	1	06/14/2024 12:41	TMP	A2
Toluene	0.00069U	U,P1,P2,S14	mg/kg	0.0021	0.00069	SW846 8260D	1	06/14/2024 12:41	TMP	A2
Total Xylenes	0.0014U	U,P1,P2,S14	mg/kg	0.0062	0.0014	SW846 8260D	1	06/14/2024 12:41	TMP	A2

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## Results

Client Sample ID	SB-05 (0-2)	Collected	06/05/2024 09:05
Lab Sample ID	3363483031	Lab Receipt	06/08/2024 08:37

### VOLATILE ORGANICS (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
trans-1,2-Dichloroethene	0.00054U	U,P1,P2,S14	mg/kg	0.0021	0.00054	SW846 8260D	1	06/14/2024 12:41	TMP	A2
trans-1,3-Dichloropropene	0.00060U	U,P1,P2,S14	mg/kg	0.0021	0.00060	SW846 8260D	1	06/14/2024 12:41	TMP	A2
Trichloroethene	0.00051U	U,P1,P2,S14	mg/kg	0.0021	0.00051	SW846 8260D	1	06/14/2024 12:41	TMP	A2
Trichlorofluoromethane	0.00051U	U,P1,P2,S14	mg/kg	0.0021	0.00051	SW846 8260D	1	06/14/2024 12:41	TMP	A2
Vinyl Chloride	0.00051U	U,P1,P2,S14	mg/kg	0.0021	0.00051	SW846 8260D	1	06/14/2024 12:41	TMP	A2

### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	112%	56 - 124	06/14/2024 12:41	
4-Bromofluorobenzene	460-00-4	98.5%	51 - 128	06/14/2024 12:41	
Dibromofluoromethane	1868-53-7	103%	62 - 123	06/14/2024 12:41	
Toluene-d8	2037-26-5	97.7%	59 - 131	06/14/2024 12:41	

### WET CHEMISTRY

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Moisture	6.0	P1,P2,S14	%	0.1	0.01	S2540G-11	1	06/11/2024 14:37	J1K	A
Total Solids	94.0	P1,P2,S14	%	0.1	0.01	S2540G-11	1	06/11/2024 14:37	J1K	A

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## Results

Client Sample ID	SB-05 (10-12)	Collected	06/05/2024 09:05
Lab Sample ID	3363483032	Lab Receipt	06/08/2024 08:37

### GASOLINE RANGE ORGANICS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Gasoline Range Organics	1.8U	U,P1,P2	mg/kg	10.5	1.8	SW846 8015D	100	06/13/2024 22:33	JTH	A1

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
a,a,a-Trifluorotoluene	98-08-8	106%	72 - 134	06/13/2024 22:33	

### PETROLEUM HC's

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Diesel Range Organics C10-C28	25.5	P1,P2	mg/kg	11.7	3.2	SW846 8015D	1	06/15/2024 18:59	KJH	A

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
o-Terphenyl	84-15-1	85.3%	36 - 122	06/15/2024 18:59	

### SEMIVOLATILE SIM

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,4-Dioxane	0.0025U	U,P1,P2	mg/kg	0.0050	0.0025	SW846 8270E SIM	1	06/19/2024 14:12	S7M	A
1-Methylnaphthalene	0.17	P1,P2	mg/kg	0.0050	0.00090	SW846 8270E SIM	1	06/19/2024 14:12	S7M	A
2-Methylnaphthalene	0.19	P1,P2	mg/kg	0.0050	0.0013	SW846 8270E SIM	1	06/19/2024 14:12	S7M	A
Acenaphthene	0.00090U	U,P1,P2	mg/kg	0.0050	0.00090	SW846 8270E SIM	1	06/19/2024 14:12	S7M	A
Acenaphthylene	0.00090U	U,P1,P2	mg/kg	0.0050	0.00090	SW846 8270E SIM	1	06/19/2024 14:12	S7M	A
Anthracene	0.0052	P1,P2	mg/kg	0.0050	0.00080	SW846 8270E SIM	1	06/19/2024 14:12	S7M	A
Benzo(a)anthracene	0.015	P1,P2	mg/kg	0.0050	0.00080	SW846 8270E SIM	1	06/19/2024 14:12	S7M	A
Benzo(a)pyrene	0.017	P1,P2	mg/kg	0.0050	0.00080	SW846 8270E SIM	1	06/19/2024 14:12	S7M	A
Benzo(b)fluoranthene	0.032	P1,P2	mg/kg	0.0050	0.00080	SW846 8270E SIM	1	06/19/2024 14:12	S7M	A
Benzo(g,h,i)perylene	0.051	12,P1,P2	mg/kg	0.0050	0.0010	SW846 8270E SIM	1	06/19/2024 14:12	S7M	A
Benzo(k)fluoranthene	0.015	P1,P2	mg/kg	0.0050	0.00090	SW846 8270E SIM	1	06/19/2024 14:12	S7M	A
Chrysene	0.043	P1,P2	mg/kg	0.0050	0.00090	SW846 8270E SIM	1	06/19/2024 14:12	S7M	A
Dibenzo(a,h)anthracene	0.0078	P1,P2	mg/kg	0.0050	0.00070	SW846 8270E SIM	1	06/19/2024 14:12	S7M	A
Fluoranthene	0.025	P1,P2	mg/kg	0.0050	0.00090	SW846 8270E SIM	1	06/19/2024 14:12	S7M	A
Fluorene	0.0086	P1,P2	mg/kg	0.0050	0.0010	SW846 8270E SIM	1	06/19/2024 14:12	S7M	A
Indeno(1,2,3-cd)pyrene	0.013	P1,P2	mg/kg	0.0050	0.00080	SW846 8270E SIM	1	06/19/2024 14:12	S7M	A
Naphthalene	0.075	P1,P2	mg/kg	0.0050	0.0011	SW846 8270E SIM	1	06/19/2024 14:12	S7M	A
Phenanthrene	0.11	P1,P2	mg/kg	0.0050	0.0011	SW846 8270E SIM	1	06/19/2024 14:12	S7M	A



## Results

Client Sample ID	SB-05 (10-12)	Collected	06/05/2024 09:05
Lab Sample ID	3363483032	Lab Receipt	06/08/2024 08:37

### SEMIVOLATILE SIM (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Pyrene	0.11	P1,P2	mg/kg	0.0050	0.00080	SW846 8270E SIM	1	06/19/2024 14:12	S7M	A

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
2-Methylnaphthalene-d10	7297-45-2	88.4%	50 - 150	06/19/2024 14:12	
Fluoranthene-d10	93951-69-0	101%	50 - 150	06/19/2024 14:12	

### SEMIVOLATILES

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1-Methylnaphthalene	0.16	P1,P2	mg/kg	0.10	0.017	SW846 8270E	1	06/18/2024 05:26	S7M	A
2-Methylnaphthalene	0.18	P1,P2	mg/kg	0.10	0.017	SW846 8270E	1	06/18/2024 05:26	S7M	A
Acenaphthene	0.017U	U,P1,P2	mg/kg	0.050	0.017	SW846 8270E	1	06/18/2024 05:26	S7M	A
Acenaphthylene	0.017U	U,P1,P2	mg/kg	0.050	0.017	SW846 8270E	1	06/18/2024 05:26	S7M	A
Anthracene	0.017U	U,P1,P2	mg/kg	0.050	0.017	SW846 8270E	1	06/18/2024 05:26	S7M	A
Benzo(a)anthracene	0.017U	U,P1,P2	mg/kg	0.050	0.017	SW846 8270E	1	06/18/2024 05:26	S7M	A
Benzo(a)pyrene	0.018J	J,P1,P2	mg/kg	0.050	0.017	SW846 8270E	1	06/18/2024 05:26	S7M	A
Benzo(b)fluoranthene	0.033J	J,P1,P2	mg/kg	0.050	0.017	SW846 8270E	1	06/18/2024 05:26	S7M	A
Benzo(g,h,i)perylene	0.061	P1,P2	mg/kg	0.050	0.017	SW846 8270E	1	06/18/2024 05:26	S7M	A
Benzo(k)fluoranthene	0.017U	U,P1,P2	mg/kg	0.050	0.017	SW846 8270E	1	06/18/2024 05:26	S7M	A
Carbazole	0.017U	U,P1,P2	mg/kg	0.10	0.017	SW846 8270E	1	06/18/2024 05:26	S7M	A
Chrysene	0.047J	J,P1,P2	mg/kg	0.050	0.017	SW846 8270E	1	06/18/2024 05:26	S7M	A
Dibenzo(a,h)anthracene	0.017U	U,P1,P2	mg/kg	0.050	0.017	SW846 8270E	1	06/18/2024 05:26	S7M	A
Dibenzofuran	0.035J	J,P1,P2	mg/kg	0.10	0.017	SW846 8270E	1	06/18/2024 05:26	S7M	A
Fluoranthene	0.017U	U,P1,P2	mg/kg	0.050	0.017	SW846 8270E	1	06/18/2024 05:26	S7M	A
Fluorene	0.017U	U,P1,P2	mg/kg	0.050	0.017	SW846 8270E	1	06/18/2024 05:26	S7M	A
Indeno(1,2,3-cd)pyrene	0.017U	U,P1,P2	mg/kg	0.050	0.017	SW846 8270E	1	06/18/2024 05:26	S7M	A
Naphthalene	0.068	P1,P2	mg/kg	0.050	0.017	SW846 8270E	1	06/18/2024 05:26	S7M	A
Phenanthrene	0.10	P1,P2	mg/kg	0.050	0.017	SW846 8270E	1	06/18/2024 05:26	S7M	A
Pyrene	0.10	P1,P2	mg/kg	0.050	0.017	SW846 8270E	1	06/18/2024 05:26	S7M	A

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
2,4,6-Tribromophenol	118-79-6	71.6%	19 - 132	06/18/2024 05:26	
2-Fluorobiphenyl	321-60-8	71.8%	40 - 110	06/18/2024 05:26	
2-Fluorophenol	367-12-4	72.1%	26 - 116	06/18/2024 05:26	
Nitrobenzene-d5	4165-60-0	81.9%	38 - 112	06/18/2024 05:26	
Phenol-d5	4165-62-2	77.9%	35 - 111	06/18/2024 05:26	
Terphenyl-d14	98904-43-9	90.7%	45 - 126	06/18/2024 05:26	

### VOLATILE ORGANICS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1-Trichloroethane	0.00069U	U,P1,P2	mg/kg	0.0022	0.00069	SW846 8260D	1	06/14/2024 13:07	TMP	A2

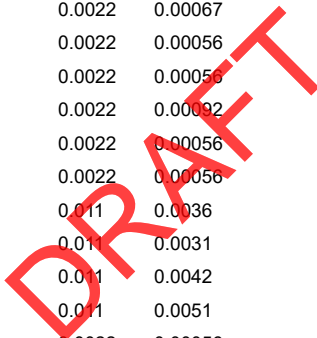


**Results**

Client Sample ID SB-05 (10-12) Collected 06/05/2024 09:05  
 Lab Sample ID 3363483032 Lab Receipt 06/08/2024 08:37

**VOLATILE ORGANICS (cont.)**

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,2,2-Tetrachloroethane	0.00062U	U,P1,P2	mg/kg	0.0022	0.00062	SW846 8260D	1	06/14/2024 13:07	TMP	A2
1,1,2-Trichloroethane	0.00062U	U,P1,P2	mg/kg	0.0022	0.00062	SW846 8260D	1	06/14/2024 13:07	TMP	A2
1,1-Dichloroethane	0.00056U	U,P1,P2	mg/kg	0.0022	0.00056	SW846 8260D	1	06/14/2024 13:07	TMP	A2
1,1-Dichloroethene	0.00058U	U,P1,P2	mg/kg	0.0022	0.00058	SW846 8260D	1	06/14/2024 13:07	TMP	A2
1,1-Dichloropropene	0.00056U	U,P1,P2	mg/kg	0.0022	0.00056	SW846 8260D	1	06/14/2024 13:07	TMP	A2
1,2,3-Trichlorobenzene	0.00056U	U,P1,P2	mg/kg	0.0056	0.00056	SW846 8260D	1	06/14/2024 13:07	TMP	A2
1,2,3-Trichloropropane	0.00056U	U,P1,P2	mg/kg	0.0022	0.00056	SW846 8260D	1	06/14/2024 13:07	TMP	A2
1,2,4-Trichlorobenzene	0.00056U	U,P1,P2	mg/kg	0.0056	0.00056	SW846 8260D	1	06/14/2024 13:07	TMP	A2
1,2,4-Trimethylbenzene	0.00056U	U,P1,P2	mg/kg	0.0022	0.00056	SW846 8260D	1	06/14/2024 13:07	TMP	A2
1,2-Dibromo-3-chloropropane	0.00028U	U,P1,P2	mg/kg	0.0022	0.00028	SW846 8260D	1	06/14/2024 13:07	TMP	A2
1,2-Dibromoethane	0.00060U	U,P1,P2	mg/kg	0.0022	0.00060	SW846 8260D	1	06/14/2024 13:07	TMP	A2
1,2-Dichlorobenzene	0.00056U	U,P1,P2	mg/kg	0.0022	0.00056	SW846 8260D	1	06/14/2024 13:07	TMP	A2
1,2-Dichloroethane	0.00056U	U,P1,P2	mg/kg	0.0022	0.00056	SW846 8260D	1	06/14/2024 13:07	TMP	A2
1,2-Dichloropropane	0.00067U	U,P1,P2	mg/kg	0.0022	0.00067	SW846 8260D	1	06/14/2024 13:07	TMP	A2
1,3,5-Trimethylbenzene	0.00056U	U,P1,P2	mg/kg	0.0022	0.00056	SW846 8260D	1	06/14/2024 13:07	TMP	A2
1,3-Dichlorobenzene	0.00056U	U,P1,P2	mg/kg	0.0022	0.00056	SW846 8260D	1	06/14/2024 13:07	TMP	A2
1,3-Dichloropropane	0.00092U	U,P1,P2	mg/kg	0.0022	0.00092	SW846 8260D	1	06/14/2024 13:07	TMP	A2
1,4-Dichlorobenzene	0.00056U	U,P1,P2	mg/kg	0.0022	0.00056	SW846 8260D	1	06/14/2024 13:07	TMP	A2
2,2-Dichloropropane	0.00056U	U,P1,P2	mg/kg	0.0022	0.00056	SW846 8260D	1	06/14/2024 13:07	TMP	A2
2-Butanone	0.0036U	U,P1,P2	mg/kg	0.011	0.0036	SW846 8260D	1	06/14/2024 13:07	TMP	A2
2-Hexanone	0.0031U	U,P1,P2	mg/kg	0.011	0.0031	SW846 8260D	1	06/14/2024 13:07	TMP	A2
4-Methyl-2-Pentanone(MIBK)	0.0042U	U,P1,P2	mg/kg	0.011	0.0042	SW846 8260D	1	06/14/2024 13:07	TMP	A2
Acetone	0.011J	J,P1,P2	mg/kg	0.011	0.0051	SW846 8260D	1	06/14/2024 13:07	TMP	A2
Benzene	0.00056U	U,P1,P2	mg/kg	0.0022	0.00056	SW846 8260D	1	06/14/2024 13:07	TMP	A2
Bromobenzene	0.00056U	U,P1,P2	mg/kg	0.0022	0.00056	SW846 8260D	1	06/14/2024 13:07	TMP	A2
Bromochloromethane	0.00056U	U,P1,P2	mg/kg	0.0022	0.00056	SW846 8260D	1	06/14/2024 13:07	TMP	A2
Bromodichloromethane	0.00079U	U,P1,P2	mg/kg	0.0022	0.00079	SW846 8260D	1	06/14/2024 13:07	TMP	A2
Bromoform	0.00058U	U,P1,P2	mg/kg	0.0022	0.00058	SW846 8260D	1	06/14/2024 13:07	TMP	A2
Bromomethane	0.0013J	J,P1,P2	mg/kg	0.0022	0.00058	SW846 8260D	1	06/14/2024 13:07	TMP	A2
Carbon Disulfide	0.00070U	U,P1,P2	mg/kg	0.0022	0.00070	SW846 8260D	1	06/14/2024 13:07	TMP	A2
Carbon Tetrachloride	0.00057U	U,P1,P2	mg/kg	0.0022	0.00057	SW846 8260D	1	06/14/2024 13:07	TMP	A2
Chlorobenzene	0.00057U	U,P1,P2	mg/kg	0.0022	0.00057	SW846 8260D	1	06/14/2024 13:07	TMP	A2
Chlorodibromomethane	0.00076U	U,P1,P2	mg/kg	0.0022	0.00076	SW846 8260D	1	06/14/2024 13:07	TMP	A2
Chloroethane	0.00095U	U,P1,P2	mg/kg	0.0056	0.00095	SW846 8260D	1	06/14/2024 13:07	TMP	A2
Chloroform	0.00059U	U,P1,P2	mg/kg	0.0022	0.00059	SW846 8260D	1	06/14/2024 13:07	TMP	A2
Chloromethane	0.00061U	U,P1,P2	mg/kg	0.0022	0.00061	SW846 8260D	1	06/14/2024 13:07	TMP	A2
cis-1,2-Dichloroethene	0.00056U	U,P1,P2	mg/kg	0.0022	0.00056	SW846 8260D	1	06/14/2024 13:07	TMP	A2
cis-1,3-Dichloropropene	0.00061U	U,P1,P2	mg/kg	0.0022	0.00061	SW846 8260D	1	06/14/2024 13:07	TMP	A2
Dibromomethane	0.00080U	U,P1,P2	mg/kg	0.0022	0.00080	SW846 8260D	1	06/14/2024 13:07	TMP	A2
Dichlorodifluoromethane	0.00075U	U,P1,P2	mg/kg	0.0022	0.00075	SW846 8260D	1	06/14/2024 13:07	TMP	A2
Ethylbenzene	0.00076U	U,P1,P2	mg/kg	0.0022	0.00076	SW846 8260D	1	06/14/2024 13:07	TMP	A2
Freon 113	0.00056U	U,5,6,P1,P2	mg/kg	0.0022	0.00056	SW846 8260D	1	06/14/2024 13:07	TMP	A2
Hexachlorobutadiene	0.00056U	U,P1,P2	mg/kg	0.0056	0.00056	SW846 8260D	1	06/14/2024 13:07	TMP	A2
Isopropylbenzene	0.00068U	U,P1,P2	mg/kg	0.0022	0.00068	SW846 8260D	1	06/14/2024 13:07	TMP	A2
Methyl t-Butyl Ether	0.00096J	J,P1,P2	mg/kg	0.0022	0.00056	SW846 8260D	1	06/14/2024 13:07	TMP	A2
Methylene Chloride	0.00087U	U,P1,P2	mg/kg	0.0022	0.00087	SW846 8260D	1	06/14/2024 13:07	TMP	A2
mp-Xylene	0.00092U	U,P1,P2	mg/kg	0.0045	0.00092	SW846 8260D	1	06/14/2024 13:07	TMP	A2





## Results

Client Sample ID	SB-05 (10-12)	Collected	06/05/2024 09:05
Lab Sample ID	3363483032	Lab Receipt	06/08/2024 08:37

### VOLATILE ORGANICS (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Naphthalene	0.00056U	U,P1,P2	mg/kg	0.0022	0.00056	SW846 8260D	1	06/14/2024 13:07	TMP	A2
n-Butylbenzene	0.00056U	U,4,P1,P2	mg/kg	0.0022	0.00056	SW846 8260D	1	06/14/2024 13:07	TMP	A2
n-Propylbenzene	0.00056U	U,P1,P2	mg/kg	0.0022	0.00056	SW846 8260D	1	06/14/2024 13:07	TMP	A2
o-Chlorotoluene	0.00056U	U,P1,P2	mg/kg	0.0022	0.00056	SW846 8260D	1	06/14/2024 13:07	TMP	A2
o-Xylene	0.00065U	U,P1,P2	mg/kg	0.0022	0.00065	SW846 8260D	1	06/14/2024 13:07	TMP	A2
p-Chlorotoluene	0.00056U	U,P1,P2	mg/kg	0.0022	0.00056	SW846 8260D	1	06/14/2024 13:07	TMP	A2
p-Isopropyltoluene	0.00056U	U,P1,P2	mg/kg	0.0022	0.00056	SW846 8260D	1	06/14/2024 13:07	TMP	A2
sec-Butylbenzene	0.00056U	U,P1,P2	mg/kg	0.0022	0.00056	SW846 8260D	1	06/14/2024 13:07	TMP	A2
Styrene	0.00056U	U,P1,P2	mg/kg	0.0022	0.00056	SW846 8260D	1	06/14/2024 13:07	TMP	A2
tert-Butylbenzene	0.00061U	U,P1,P2	mg/kg	0.0022	0.00061	SW846 8260D	1	06/14/2024 13:07	TMP	A2
Tetrachloroethene	0.00067U	U,P1,P2	mg/kg	0.0022	0.00067	SW846 8260D	1	06/14/2024 13:07	TMP	A2
Toluene	0.00075U	U,P1,P2	mg/kg	0.0022	0.00075	SW846 8260D	1	06/14/2024 13:07	TMP	A2
Total Xylenes	0.0016U	U,P1,P2	mg/kg	0.0067	0.0016	SW846 8260D	1	06/14/2024 13:07	TMP	A2
trans-1,2-Dichloroethene	0.00058U	U,P1,P2	mg/kg	0.0022	0.00058	SW846 8260D	1	06/14/2024 13:07	TMP	A2
trans-1,3-Dichloropropene	0.00065U	U,P1,P2	mg/kg	0.0022	0.00065	SW846 8260D	1	06/14/2024 13:07	TMP	A2
Trichloroethene	0.00056U	U,P1,P2	mg/kg	0.0022	0.00056	SW846 8260D	1	06/14/2024 13:07	TMP	A2
Trichlorofluoromethane	0.00056U	U,P1,P2	mg/kg	0.0022	0.00056	SW846 8260D	1	06/14/2024 13:07	TMP	A2
Vinyl Chloride	0.00056U	U,P1,P2	mg/kg	0.0022	0.00056	SW846 8260D	1	06/14/2024 13:07	TMP	A2

### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	115%	56 - 124	06/14/2024 13:07	
4-Bromofluorobenzene	460-00-4	102%	51 - 128	06/14/2024 13:07	
Dibromofluoromethane	1868-53-7	106%	62 - 123	06/14/2024 13:07	
Toluene-d8	2037-26-5	98.8%	59 - 131	06/14/2024 13:07	

### WET CHEMISTRY

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Moisture	10.9	P1,P2	%	0.1	0.01	S2540G-11	1	06/11/2024 14:37	J1K	A
Total Solids	89.1	P1,P2	%	0.1	0.01	S2540G-11	1	06/11/2024 14:37	J1K	A



## Results

Client Sample ID	SB-18 (0-2)	Collected	06/05/2024 09:30
Lab Sample ID	3363483033	Lab Receipt	06/08/2024 08:37

### GASOLINE RANGE ORGANICS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Gasoline Range Organics	10.3J	J,P1,P2,S15	mg/kg	12.4	2.1	SW846 8015D	100	06/14/2024 00:03	JTH	A1

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
a,a,a-Trifluorotoluene	98-08-8	105%	72 - 134	06/14/2024 00:03	

### PETROLEUM HC's

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Diesel Range Organics C10-C28	580	P1,P2,S15	mg/kg	60.9	16.7	SW846 8015D	5	06/18/2024 03:37	DXL	A

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
o-Terphenyl	84-15-1	121%	36 - 122	06/18/2024 03:37	

### SEMIVOLATILE SIM

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,4-Dioxane	0.0029U	U,P1,P2,S15	mg/kg	0.0058	0.0029	SW846 8270E SIM	1	06/19/2024 14:41	S7M	A
1-Methylnaphthalene	0.47	P1,P2,S15	mg/kg	0.0058	0.0010	SW846 8270E SIM	1	06/19/2024 14:41	S7M	A
2-Methylnaphthalene	0.65	P1,P2,S15	mg/kg	0.0058	0.0015	SW846 8270E SIM	1	06/19/2024 14:41	S7M	A
Acenaphthene	0.0010U	U,P1,P2,S15	mg/kg	0.0058	0.0010	SW846 8270E SIM	1	06/19/2024 14:41	S7M	A
Acenaphthylene	0.016	P1,P2,S15	mg/kg	0.0058	0.0010	SW846 8270E SIM	1	06/19/2024 14:41	S7M	A
Anthracene	0.024	P1,P2,S15	mg/kg	0.0058	0.00093	SW846 8270E SIM	1	06/19/2024 14:41	S7M	A
Benzo(a)anthracene	0.086	P1,P2,S15	mg/kg	0.0058	0.00093	SW846 8270E SIM	1	06/19/2024 14:41	S7M	A
Benzo(a)pyrene	0.097	P1,P2,S15	mg/kg	0.0058	0.00093	SW846 8270E SIM	1	06/19/2024 14:41	S7M	A
Benzo(b)fluoranthene	0.13	P1,P2,S15	mg/kg	0.0058	0.00093	SW846 8270E SIM	1	06/19/2024 14:41	S7M	A
Benzo(g,h,i)perylene	0.070	12,P1,P2,S15	mg/kg	0.0058	0.0012	SW846 8270E SIM	1	06/19/2024 14:41	S7M	A
Benzo(k)fluoranthene	0.10	P1,P2,S15	mg/kg	0.0058	0.0010	SW846 8270E SIM	1	06/19/2024 14:41	S7M	A
Chrysene	0.14	P1,P2,S15	mg/kg	0.0058	0.0010	SW846 8270E SIM	1	06/19/2024 14:41	S7M	A
Dibenzo(a,h)anthracene	0.018	P1,P2,S15	mg/kg	0.0058	0.00081	SW846 8270E SIM	1	06/19/2024 14:41	S7M	A
Fluoranthene	0.16	P1,P2,S15	mg/kg	0.0058	0.0010	SW846 8270E SIM	1	06/19/2024 14:41	S7M	A
Fluorene	0.011	P1,P2,S15	mg/kg	0.0058	0.0012	SW846 8270E SIM	1	06/19/2024 14:41	S7M	A
Indeno(1,2,3-cd)pyrene	0.059	P1,P2,S15	mg/kg	0.0058	0.00093	SW846 8270E SIM	1	06/19/2024 14:41	S7M	A
Naphthalene	0.45	P1,P2,S15	mg/kg	0.0058	0.0013	SW846 8270E SIM	1	06/19/2024 14:41	S7M	A
Phenanthrene	0.42	P1,P2,S15	mg/kg	0.0058	0.0013	SW846 8270E SIM	1	06/19/2024 14:41	S7M	A





## Results

Client Sample ID	SB-18 (0-2)	Collected	06/05/2024 09:30
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### SEMIVOLATILE SIM (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Pyrene	0.14	P1,P2,S15	mg/kg	0.0058	0.00093	SW846 8270E SIM	1	06/19/2024 14:41	S7M	A

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
2-Methylnaphthalene-d10	7297-45-2	79.4%	50 - 150	06/19/2024 14:41	
Fluoranthene-d10	93951-69-0	104%	50 - 150	06/19/2024 14:41	

### SEMIVOLATILES

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1-Methylnaphthalene	0.46	P1,P2,S15	mg/kg	0.12	0.020	SW846 8270E	1	06/18/2024 05:50	S7M	A
2-Methylnaphthalene	0.64	P1,P2,S15	mg/kg	0.12	0.020	SW846 8270E	1	06/18/2024 05:50	S7M	A
Acenaphthene	0.020U	U,P1,P2,S15	mg/kg	0.058	0.020	SW846 8270E	1	06/18/2024 05:50	S7M	A
Acenaphthylene	0.020U	U,P1,P2,S15	mg/kg	0.058	0.020	SW846 8270E	1	06/18/2024 05:50	S7M	A
Anthracene	0.021J	J,P1,P2,S15	mg/kg	0.058	0.020	SW846 8270E	1	06/18/2024 05:50	S7M	A
Benzo(a)anthracene	0.081	P1,P2,S15	mg/kg	0.058	0.020	SW846 8270E	1	06/18/2024 05:50	S7M	A
Benzo(a)pyrene	0.090	P1,P2,S15	mg/kg	0.058	0.020	SW846 8270E	1	06/18/2024 05:50	S7M	A
Benzo(b)fluoranthene	0.12	P1,P2,S15	mg/kg	0.058	0.020	SW846 8270E	1	06/18/2024 05:50	S7M	A
Benzo(g,h,i)perylene	0.094	P1,P2,S15	mg/kg	0.058	0.020	SW846 8270E	1	06/18/2024 05:50	S7M	A
Benzo(k)fluoranthene	0.079	P1,P2,S15	mg/kg	0.058	0.020	SW846 8270E	1	06/18/2024 05:50	S7M	A
Carbazole	0.020U	U,P1,P2,S15	mg/kg	0.12	0.020	SW846 8270E	1	06/18/2024 05:50	S7M	A
Chrysene	0.12	P1,P2,S15	mg/kg	0.058	0.020	SW846 8270E	1	06/18/2024 05:50	S7M	A
Dibenzo(a,h)anthracene	0.020U	U,P1,P2,S15	mg/kg	0.058	0.020	SW846 8270E	1	06/18/2024 05:50	S7M	A
Dibenzofuran	0.17	P1,P2,S15	mg/kg	0.12	0.020	SW846 8270E	1	06/18/2024 05:50	S7M	A
Fluoranthene	0.14	P1,P2,S15	mg/kg	0.058	0.020	SW846 8270E	1	06/18/2024 05:50	S7M	A
Fluorene	0.020U	U,P1,P2,S15	mg/kg	0.058	0.020	SW846 8270E	1	06/18/2024 05:50	S7M	A
Indeno(1,2,3-cd)pyrene	0.069	P1,P2,S15	mg/kg	0.058	0.020	SW846 8270E	1	06/18/2024 05:50	S7M	A
Naphthalene	0.41	P1,P2,S15	mg/kg	0.058	0.020	SW846 8270E	1	06/18/2024 05:50	S7M	A
Phenanthrene	0.35	P1,P2,S15	mg/kg	0.058	0.020	SW846 8270E	1	06/18/2024 05:50	S7M	A
Pyrene	0.12	P1,P2,S15	mg/kg	0.058	0.020	SW846 8270E	1	06/18/2024 05:50	S7M	A

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## Results

Client Sample ID	SB-18 (0-2)	Collected	06/05/2024 09:30
Lab Sample ID	3363483033	Lab Receipt	06/08/2024 08:37

### SEMIVOLATILES (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
<i>SURROGATES</i>										
Compound	CAS No			Recovery		Limits(%)		Analysis Date/Time		Qualifiers
2,4,6-Tribromophenol	118-79-6			68.1%		19 - 132		06/18/2024 05:50		
2-Fluorobiphenyl	321-60-8			64.3%		40 - 110		06/18/2024 05:50		
2-Fluorophenol	367-12-4			61.1%		26 - 116		06/18/2024 05:50		
Nitrobenzene-d5	4165-60-0			73.3%		38 - 112		06/18/2024 05:50		
Phenol-d5	4165-62-2			69.9%		35 - 111		06/18/2024 05:50		
Terphenyl-d14	98904-43-9			79.8%		45 - 126		06/18/2024 05:50		

### VOLATILE ORGANICS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1-Trichloroethane	0.00070U	U,P1,P2,S15	mg/kg	0.0022	0.00070	SW846 8260D	1	06/14/2024 13:32	TMP	A2
1,1,2,2-Tetrachloroethane	0.00063U	U,P1,P2,S15	mg/kg	0.0022	0.00063	SW846 8260D	1	06/14/2024 13:32	TMP	A2
1,1,2-Trichloroethane	0.00063U	U,P1,P2,S15	mg/kg	0.0022	0.00063	SW846 8260D	1	06/14/2024 13:32	TMP	A2
1,1-Dichloroethane	0.00056U	U,P1,P2,S15	mg/kg	0.0022	0.00056	SW846 8260D	1	06/14/2024 13:32	TMP	A2
1,1-Dichloroethene	0.00058U	U,P1,P2,S15	mg/kg	0.0022	0.00058	SW846 8260D	1	06/14/2024 13:32	TMP	A2
1,1-Dichloropropene	0.00056U	U,P1,P2,S15	mg/kg	0.0022	0.00056	SW846 8260D	1	06/14/2024 13:32	TMP	A2
1,2,3-Trichlorobenzene	0.00056U	U,P1,P2,S15	mg/kg	0.0056	0.00056	SW846 8260D	1	06/14/2024 13:32	TMP	A2
1,2,3-Trichloropropane	0.00056U	U,P1,P2,S15	mg/kg	0.0022	0.00056	SW846 8260D	1	06/14/2024 13:32	TMP	A2
1,2,4-Trichlorobenzene	0.00056U	U,P1,P2,S15	mg/kg	0.0056	0.00056	SW846 8260D	1	06/14/2024 13:32	TMP	A2
1,2,4-Trimethylbenzene	0.00056U	U,P1,P2,S15	mg/kg	0.0022	0.00056	SW846 8260D	1	06/14/2024 13:32	TMP	A2
1,2-Dibromo-3-chloropropane	0.00028U	U,P1,P2,S15	mg/kg	0.0022	0.00028	SW846 8260D	1	06/14/2024 13:32	TMP	A2
1,2-Dibromoethane	0.00061U	U,P1,P2,S15	mg/kg	0.0022	0.00061	SW846 8260D	1	06/14/2024 13:32	TMP	A2
1,2-Dichlorobenzene	0.00056U	U,P1,P2,S15	mg/kg	0.0022	0.00056	SW846 8260D	1	06/14/2024 13:32	TMP	A2
1,2-Dichloroethane	0.00056U	U,P1,P2,S15	mg/kg	0.0022	0.00056	SW846 8260D	1	06/14/2024 13:32	TMP	A2
1,2-Dichloropropane	0.00067U	U,P1,P2,S15	mg/kg	0.0022	0.00067	SW846 8260D	1	06/14/2024 13:32	TMP	A2
1,3,5-Trimethylbenzene	0.00056U	U,P1,P2,S15	mg/kg	0.0022	0.00056	SW846 8260D	1	06/14/2024 13:32	TMP	A2
1,3-Dichlorobenzene	0.00056U	U,P1,P2,S15	mg/kg	0.0022	0.00056	SW846 8260D	1	06/14/2024 13:32	TMP	A2
1,3-Dichloropropane	0.00093U	U,P1,P2,S15	mg/kg	0.0022	0.00093	SW846 8260D	1	06/14/2024 13:32	TMP	A2
1,4-Dichlorobenzene	0.00056U	U,P1,P2,S15	mg/kg	0.0022	0.00056	SW846 8260D	1	06/14/2024 13:32	TMP	A2
2,2-Dichloropropane	0.00056U	U,P1,P2,S15	mg/kg	0.0022	0.00056	SW846 8260D	1	06/14/2024 13:32	TMP	A2
2-Butanone	0.0036U	U,P1,P2,S15	mg/kg	0.011	0.0036	SW846 8260D	1	06/14/2024 13:32	TMP	A2
2-Hexanone	0.0031U	U,P1,P2,S15	mg/kg	0.011	0.0031	SW846 8260D	1	06/14/2024 13:32	TMP	A2
4-Methyl-2-Pentanone(MIBK)	0.0043U	U,P1,P2,S15	mg/kg	0.011	0.0043	SW846 8260D	1	06/14/2024 13:32	TMP	A2
Acetone	0.0052U	U,P1,P2,S15	mg/kg	0.011	0.0052	SW846 8260D	1	06/14/2024 13:32	TMP	A2
Benzene	0.00056U	U,P1,P2,S15	mg/kg	0.0022	0.00056	SW846 8260D	1	06/14/2024 13:32	TMP	A2



**Results**

Client Sample ID SB-18 (0-2) Collected 06/05/2024 09:30  
 Lab Sample ID 3363483033 Lab Receipt 06/08/2024 08:37

**VOLATILE ORGANICS (cont.)**

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Bromobenzene	0.00056U	U,P1,P2,S15	mg/kg	0.0022	0.00056	SW846 8260D	1	06/14/2024 13:32	TMP	A2
Bromochloromethane	0.00056U	U,P1,P2,S15	mg/kg	0.0022	0.00056	SW846 8260D	1	06/14/2024 13:32	TMP	A2
Bromodichloromethane	0.00080U	U,P1,P2,S15	mg/kg	0.0022	0.00080	SW846 8260D	1	06/14/2024 13:32	TMP	A2
Bromoform	0.00058U	U,P1,P2,S15	mg/kg	0.0022	0.00058	SW846 8260D	1	06/14/2024 13:32	TMP	A2
Bromomethane	0.0019J	J,P1,P2,S15	mg/kg	0.0022	0.00058	SW846 8260D	1	06/14/2024 13:32	TMP	A2
Carbon Disulfide	0.00071U	U,P1,P2,S15	mg/kg	0.0022	0.00071	SW846 8260D	1	06/14/2024 13:32	TMP	A2
Carbon Tetrachloride	0.00057U	U,P1,P2,S15	mg/kg	0.0022	0.00057	SW846 8260D	1	06/14/2024 13:32	TMP	A2
Chlorobenzene	0.00057U	U,P1,P2,S15	mg/kg	0.0022	0.00057	SW846 8260D	1	06/14/2024 13:32	TMP	A2
Chlorodibromomethane	0.00076U	U,P1,P2,S15	mg/kg	0.0022	0.00076	SW846 8260D	1	06/14/2024 13:32	TMP	A2
Chloroethane	0.00096U	U,P1,P2,S15	mg/kg	0.0056	0.00096	SW846 8260D	1	06/14/2024 13:32	TMP	A2
Chloroform	0.00060U	U,P1,P2,S15	mg/kg	0.0022	0.00060	SW846 8260D	1	06/14/2024 13:32	TMP	A2
Chloromethane	0.00062U	U,P1,P2,S15	mg/kg	0.0022	0.00062	SW846 8260D	1	06/14/2024 13:32	TMP	A2
cis-1,2-Dichloroethene	0.00056U	U,P1,P2,S15	mg/kg	0.0022	0.00056	SW846 8260D	1	06/14/2024 13:32	TMP	A2
cis-1,3-Dichloropropene	0.00062U	U,P1,P2,S15	mg/kg	0.0022	0.00062	SW846 8260D	1	06/14/2024 13:32	TMP	A2
Dibromomethane	0.00081U	U,P1,P2,S15	mg/kg	0.0022	0.00081	SW846 8260D	1	06/14/2024 13:32	TMP	A2
Dichlorodifluoromethane	0.00075U	U,P1,P2,S15	mg/kg	0.0022	0.00075	SW846 8260D	1	06/14/2024 13:32	TMP	A2
Ethylbenzene	0.00076U	U,P1,P2,S15	mg/kg	0.0022	0.00076	SW846 8260D	1	06/14/2024 13:32	TMP	A2
Freon 113	0.00056U	U,5,6,P1,P2,S15	mg/kg	0.0022	0.00056	SW846 8260D	1	06/14/2024 13:32	TMP	A2
Hexachlorobutadiene	0.00056U	U,P1,P2,S15	mg/kg	0.0056	0.00056	SW846 8260D	1	06/14/2024 13:32	TMP	A2
Isopropylbenzene	0.00069U	U,P1,P2,S15	mg/kg	0.0022	0.00069	SW846 8260D	1	06/14/2024 13:32	TMP	A2
Methyl t-Butyl Ether	0.00056U	U,P1,P2,S15	mg/kg	0.0022	0.00056	SW846 8260D	1	06/14/2024 13:32	TMP	A2
Methylene Chloride	0.00088U	U,P1,P2,S15	mg/kg	0.0022	0.00088	SW846 8260D	1	06/14/2024 13:32	TMP	A2
mp-Xylene	0.00093U	U,P1,P2,S15	mg/kg	0.0045	0.00093	SW846 8260D	1	06/14/2024 13:32	TMP	A2
Naphthalene	0.00056U	U,P1,P2,S15	mg/kg	0.0022	0.00056	SW846 8260D	1	06/14/2024 13:32	TMP	A2
n-Butylbenzene	0.00056U	U,4,P1,P2,S15	mg/kg	0.0022	0.00056	SW846 8260D	1	06/14/2024 13:32	TMP	A2
n-Propylbenzene	0.00056U	U,P1,P2,S15	mg/kg	0.0022	0.00056	SW846 8260D	1	06/14/2024 13:32	TMP	A2
o-Chlorotoluene	0.00056U	U,P1,P2,S15	mg/kg	0.0022	0.00056	SW846 8260D	1	06/14/2024 13:32	TMP	A2
o-Xylene	0.00065U	U,P1,P2,S15	mg/kg	0.0022	0.00065	SW846 8260D	1	06/14/2024 13:32	TMP	A2
p-Chlorotoluene	0.00056U	U,P1,P2,S15	mg/kg	0.0022	0.00056	SW846 8260D	1	06/14/2024 13:32	TMP	A2
p-Isopropyltoluene	0.00056U	U,P1,P2,S15	mg/kg	0.0022	0.00056	SW846 8260D	1	06/14/2024 13:32	TMP	A2
sec-Butylbenzene	0.00056U	U,P1,P2,S15	mg/kg	0.0022	0.00056	SW846 8260D	1	06/14/2024 13:32	TMP	A2
Styrene	0.00056U	U,P1,P2,S15	mg/kg	0.0022	0.00056	SW846 8260D	1	06/14/2024 13:32	TMP	A2
tert-Butylbenzene	0.00062U	U,P1,P2,S15	mg/kg	0.0022	0.00062	SW846 8260D	1	06/14/2024 13:32	TMP	A2
Tetrachloroethene	0.00067U	U,P1,P2,S15	mg/kg	0.0022	0.00067	SW846 8260D	1	06/14/2024 13:32	TMP	A2
Toluene	0.00075U	U,P1,P2,S15	mg/kg	0.0022	0.00075	SW846 8260D	1	06/14/2024 13:32	TMP	A2
Total Xylenes	0.0016U	U,P1,P2,S15	mg/kg	0.0067	0.0016	SW846 8260D	1	06/14/2024 13:32	TMP	A2

DRAFT



## Results

Client Sample ID	SB-18 (0-2)	Collected	06/05/2024 09:30
Lab Sample ID	3363483033	Lab Receipt	06/08/2024 08:37

### VOLATILE ORGANICS (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
trans-1,2-Dichloroethene	0.00058U	U,P1,P2,S15	mg/kg	0.0022	0.00058	SW846 8260D	1	06/14/2024 13:32	TMP	A2
trans-1,3-Dichloropropene	0.00065U	U,P1,P2,S15	mg/kg	0.0022	0.00065	SW846 8260D	1	06/14/2024 13:32	TMP	A2
Trichloroethene	0.00056U	U,P1,P2,S15	mg/kg	0.0022	0.00056	SW846 8260D	1	06/14/2024 13:32	TMP	A2
Trichlorofluoromethane	0.00056U	U,P1,P2,S15	mg/kg	0.0022	0.00056	SW846 8260D	1	06/14/2024 13:32	TMP	A2
Vinyl Chloride	0.00056U	U,P1,P2,S15	mg/kg	0.0022	0.00056	SW846 8260D	1	06/14/2024 13:32	TMP	A2

### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	115%	56 - 124	06/14/2024 13:32	
4-Bromofluorobenzene	460-00-4	102%	51 - 128	06/14/2024 13:32	
Dibromofluoromethane	1868-53-7	104%	62 - 123	06/14/2024 13:32	
Toluene-d8	2037-26-5	98.3%	59 - 131	06/14/2024 13:32	

### WET CHEMISTRY

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Moisture	15.8	P1,P2,S15	%	0.1	0.01	S2540G-11	1	06/10/2024 16:21	E1R	A
Total Solids	84.2	P1,P2,S15	%	0.1	0.01	S2540G-11	1	06/10/2024 16:21	E1R	A

DRAFT



## Results

Client Sample ID	SB-18 (2-11)	Collected	06/05/2024 09:30
Lab Sample ID	3363483034	Lab Receipt	06/08/2024 08:37

### GASOLINE RANGE ORGANICS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Gasoline Range Organics	2.1U	U,P1,P2	mg/kg	12.2	2.1	SW846 8015D	100	06/14/2024 00:29	JTH	A1

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
a,a,a-Trifluorotoluene	98-08-8	108%	72 - 134	06/14/2024 00:29	

### PETROLEUM HC's

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Diesel Range Organics C10-C28	6.3J	J,P1,P2	mg/kg	12.3	3.4	SW846 8015D	1	06/15/2024 20:02	KJH	A

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
o-Terphenyl	84-15-1	82.6%	36 - 122	06/15/2024 20:02	

### SEMIVOLATILE SIM

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,4-Dioxane	0.0027U	U,P1,P2	mg/kg	0.0054	0.0027	SW846 8270E SIM	1	06/19/2024 15:08	S7M	A
1-Methylnaphthalene	0.027	P1,P2	mg/kg	0.0054	0.00098	SW846 8270E SIM	1	06/19/2024 15:08	S7M	A
2-Methylnaphthalene	0.033	P1,P2	mg/kg	0.0054	0.0014	SW846 8270E SIM	1	06/19/2024 15:08	S7M	A
Acenaphthene	0.00098U	U,P1,P2	mg/kg	0.0054	0.00098	SW846 8270E SIM	1	06/19/2024 15:08	S7M	A
Acenaphthylene	0.00098U	U,P1,P2	mg/kg	0.0054	0.00098	SW846 8270E SIM	1	06/19/2024 15:08	S7M	A
Anthracene	0.00087U	U,P1,P2	mg/kg	0.0054	0.00087	SW846 8270E SIM	1	06/19/2024 15:08	S7M	A
Benzo(a)anthracene	0.0034J	J,P1,P2	mg/kg	0.0054	0.00087	SW846 8270E SIM	1	06/19/2024 15:08	S7M	A
Benzo(a)pyrene	0.00087U	U,P1,P2	mg/kg	0.0054	0.00087	SW846 8270E SIM	1	06/19/2024 15:08	S7M	A
Benzo(b)fluoranthene	0.0048J	J,P1,P2	mg/kg	0.0054	0.00087	SW846 8270E SIM	1	06/19/2024 15:08	S7M	A
Benzo(g,h,i)perylene	0.0011U	U,12,P1,P2	mg/kg	0.0054	0.0011	SW846 8270E SIM	1	06/19/2024 15:08	S7M	A
Benzo(k)fluoranthene	0.0037J	J,P1,P2	mg/kg	0.0054	0.00098	SW846 8270E SIM	1	06/19/2024 15:08	S7M	A
Chrysene	0.0057	P1,P2	mg/kg	0.0054	0.00098	SW846 8270E SIM	1	06/19/2024 15:08	S7M	A
Dibenzo(a,h)anthracene	0.00076U	U,P1,P2	mg/kg	0.0054	0.00076	SW846 8270E SIM	1	06/19/2024 15:08	S7M	A
Fluoranthene	0.0089	P1,P2	mg/kg	0.0054	0.00098	SW846 8270E SIM	1	06/19/2024 15:08	S7M	A
Fluorene	0.0011U	U,P1,P2	mg/kg	0.0054	0.0011	SW846 8270E SIM	1	06/19/2024 15:08	S7M	A
Indeno(1,2,3-cd)pyrene	0.00087U	U,P1,P2	mg/kg	0.0054	0.00087	SW846 8270E SIM	1	06/19/2024 15:08	S7M	A
Naphthalene	0.016	P1,P2	mg/kg	0.0054	0.0012	SW846 8270E SIM	1	06/19/2024 15:08	S7M	A
Phenanthrene	0.016	P1,P2	mg/kg	0.0054	0.0012	SW846 8270E SIM	1	06/19/2024 15:08	S7M	A



## Results

Client Sample ID	SB-18 (2-11)	Collected	06/05/2024 09:30
Lab Sample ID	3363483034	Lab Receipt	06/08/2024 08:37

### SEMIVOLATILE SIM (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Pyrene	0.0072	P1,P2	mg/kg	0.0054	0.00087	SW846 8270E SIM	1	06/19/2024 15:08	S7M	A

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
2-Methylnaphthalene-d10	7297-45-2	83.8%	50 - 150	06/19/2024 15:08	
Fluoranthene-d10	93951-69-0	96.4%	50 - 150	06/19/2024 15:08	

### SEMIVOLATILES

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1-Methylnaphthalene	0.026J	J,P1,P2	mg/kg	0.11	0.019	SW846 8270E	1	06/18/2024 06:15	S7M	A
2-Methylnaphthalene	0.032J	J,P1,P2	mg/kg	0.11	0.019	SW846 8270E	1	06/18/2024 06:15	S7M	A
Acenaphthene	0.019U	U,P1,P2	mg/kg	0.054	0.019	SW846 8270E	1	06/18/2024 06:15	S7M	A
Acenaphthylene	0.019U	U,P1,P2	mg/kg	0.054	0.019	SW846 8270E	1	06/18/2024 06:15	S7M	A
Anthracene	0.019U	U,P1,P2	mg/kg	0.054	0.019	SW846 8270E	1	06/18/2024 06:15	S7M	A
Benzo(a)anthracene	0.019U	U,P1,P2	mg/kg	0.054	0.019	SW846 8270E	1	06/18/2024 06:15	S7M	A
Benzo(a)pyrene	0.019U	U,P1,P2	mg/kg	0.054	0.019	SW846 8270E	1	06/18/2024 06:15	S7M	A
Benzo(b)fluoranthene	0.019U	U,P1,P2	mg/kg	0.054	0.019	SW846 8270E	1	06/18/2024 06:15	S7M	A
Benzo(g,h,i)perylene	0.019U	U,P1,P2	mg/kg	0.054	0.019	SW846 8270E	1	06/18/2024 06:15	S7M	A
Benzo(k)fluoranthene	0.019U	U,P1,P2	mg/kg	0.054	0.019	SW846 8270E	1	06/18/2024 06:15	S7M	A
Carbazole	0.019U	U,P1,P2	mg/kg	0.11	0.019	SW846 8270E	1	06/18/2024 06:15	S7M	A
Chrysene	0.019U	U,P1,P2	mg/kg	0.054	0.019	SW846 8270E	1	06/18/2024 06:15	S7M	A
Dibenzo(a,h)anthracene	0.019U	U,P1,P2	mg/kg	0.054	0.019	SW846 8270E	1	06/18/2024 06:15	S7M	A
Dibenzofuran	0.019U	U,P1,P2	mg/kg	0.11	0.019	SW846 8270E	1	06/18/2024 06:15	S7M	A
Fluoranthene	0.019U	U,P1,P2	mg/kg	0.054	0.019	SW846 8270E	1	06/18/2024 06:15	S7M	A
Fluorene	0.019U	U,P1,P2	mg/kg	0.054	0.019	SW846 8270E	1	06/18/2024 06:15	S7M	A
Indeno(1,2,3-cd)pyrene	0.019U	U,P1,P2	mg/kg	0.054	0.019	SW846 8270E	1	06/18/2024 06:15	S7M	A
Naphthalene	0.019U	U,P1,P2	mg/kg	0.054	0.019	SW846 8270E	1	06/18/2024 06:15	S7M	A
Phenanthrene	0.019U	U,P1,P2	mg/kg	0.054	0.019	SW846 8270E	1	06/18/2024 06:15	S7M	A
Pyrene	0.019U	U,P1,P2	mg/kg	0.054	0.019	SW846 8270E	1	06/18/2024 06:15	S7M	A

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
2,4,6-Tribromophenol	118-79-6	73.1%	19 - 132	06/18/2024 06:15	
2-Fluorobiphenyl	321-60-8	73.9%	40 - 110	06/18/2024 06:15	
2-Fluorophenol	367-12-4	73%	26 - 116	06/18/2024 06:15	
Nitrobenzene-d5	4165-60-0	85.8%	38 - 112	06/18/2024 06:15	
Phenol-d5	4165-62-2	80.2%	35 - 111	06/18/2024 06:15	
Terphenyl-d14	98904-43-9	90.6%	45 - 126	06/18/2024 06:15	

### VOLATILE ORGANICS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1-Trichloroethane	0.00071U	U,P1,P2	mg/kg	0.0023	0.00071	SW846 8260D	1	06/14/2024 13:58	TMP	A2



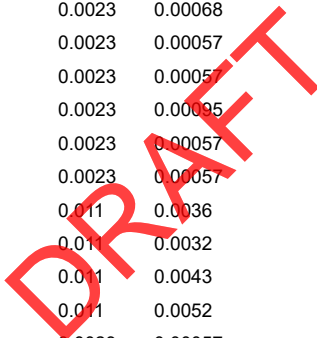


**Results**

Client Sample ID SB-18 (2-11) Collected 06/05/2024 09:30  
 Lab Sample ID 3363483034 Lab Receipt 06/08/2024 08:37

**VOLATILE ORGANICS (cont.)**

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,2,2-Tetrachloroethane	0.00064U	U,P1,P2	mg/kg	0.0023	0.00064	SW846 8260D	1	06/14/2024 13:58	TMP	A2
1,1,2-Trichloroethane	0.00064U	U,P1,P2	mg/kg	0.0023	0.00064	SW846 8260D	1	06/14/2024 13:58	TMP	A2
1,1-Dichloroethane	0.00057U	U,P1,P2	mg/kg	0.0023	0.00057	SW846 8260D	1	06/14/2024 13:58	TMP	A2
1,1-Dichloroethene	0.00059U	U,P1,P2	mg/kg	0.0023	0.00059	SW846 8260D	1	06/14/2024 13:58	TMP	A2
1,1-Dichloropropene	0.00057U	U,P1,P2	mg/kg	0.0023	0.00057	SW846 8260D	1	06/14/2024 13:58	TMP	A2
1,2,3-Trichlorobenzene	0.00057U	U,P1,P2	mg/kg	0.0057	0.00057	SW846 8260D	1	06/14/2024 13:58	TMP	A2
1,2,3-Trichloropropane	0.00057U	U,P1,P2	mg/kg	0.0023	0.00057	SW846 8260D	1	06/14/2024 13:58	TMP	A2
1,2,4-Trichlorobenzene	0.00057U	U,P1,P2	mg/kg	0.0057	0.00057	SW846 8260D	1	06/14/2024 13:58	TMP	A2
1,2,4-Trimethylbenzene	0.00057U	U,P1,P2	mg/kg	0.0023	0.00057	SW846 8260D	1	06/14/2024 13:58	TMP	A2
1,2-Dibromo-3-chloropropane	0.00028U	U,P1,P2	mg/kg	0.0023	0.00028	SW846 8260D	1	06/14/2024 13:58	TMP	A2
1,2-Dibromoethane	0.00062U	U,P1,P2	mg/kg	0.0023	0.00062	SW846 8260D	1	06/14/2024 13:58	TMP	A2
1,2-Dichlorobenzene	0.00057U	U,P1,P2	mg/kg	0.0023	0.00057	SW846 8260D	1	06/14/2024 13:58	TMP	A2
1,2-Dichloroethane	0.00057U	U,P1,P2	mg/kg	0.0023	0.00057	SW846 8260D	1	06/14/2024 13:58	TMP	A2
1,2-Dichloropropane	0.00068U	U,P1,P2	mg/kg	0.0023	0.00068	SW846 8260D	1	06/14/2024 13:58	TMP	A2
1,3,5-Trimethylbenzene	0.00057U	U,P1,P2	mg/kg	0.0023	0.00057	SW846 8260D	1	06/14/2024 13:58	TMP	A2
1,3-Dichlorobenzene	0.00057U	U,P1,P2	mg/kg	0.0023	0.00057	SW846 8260D	1	06/14/2024 13:58	TMP	A2
1,3-Dichloropropane	0.00095U	U,P1,P2	mg/kg	0.0023	0.00095	SW846 8260D	1	06/14/2024 13:58	TMP	A2
1,4-Dichlorobenzene	0.00057U	U,P1,P2	mg/kg	0.0023	0.00057	SW846 8260D	1	06/14/2024 13:58	TMP	A2
2,2-Dichloropropane	0.00057U	U,P1,P2	mg/kg	0.0023	0.00057	SW846 8260D	1	06/14/2024 13:58	TMP	A2
2-Butanone	0.0036U	U,P1,P2	mg/kg	0.011	0.0036	SW846 8260D	1	06/14/2024 13:58	TMP	A2
2-Hexanone	0.0032U	U,P1,P2	mg/kg	0.011	0.0032	SW846 8260D	1	06/14/2024 13:58	TMP	A2
4-Methyl-2-Pentanone(MIBK)	0.0043U	U,P1,P2	mg/kg	0.011	0.0043	SW846 8260D	1	06/14/2024 13:58	TMP	A2
Acetone	0.0052U	U,P1,P2	mg/kg	0.011	0.0052	SW846 8260D	1	06/14/2024 13:58	TMP	A2
Benzene	0.00057U	U,P1,P2	mg/kg	0.0023	0.00057	SW846 8260D	1	06/14/2024 13:58	TMP	A2
Bromobenzene	0.00057U	U,P1,P2	mg/kg	0.0023	0.00057	SW846 8260D	1	06/14/2024 13:58	TMP	A2
Bromochloromethane	0.00057U	U,P1,P2	mg/kg	0.0023	0.00057	SW846 8260D	1	06/14/2024 13:58	TMP	A2
Bromodichloromethane	0.00081U	U,P1,P2	mg/kg	0.0023	0.00081	SW846 8260D	1	06/14/2024 13:58	TMP	A2
Bromoform	0.00059U	U,P1,P2	mg/kg	0.0023	0.00059	SW846 8260D	1	06/14/2024 13:58	TMP	A2
Bromomethane	0.00059U	U,P1,P2	mg/kg	0.0023	0.00059	SW846 8260D	1	06/14/2024 13:58	TMP	A2
Carbon Disulfide	0.00072U	U,P1,P2	mg/kg	0.0023	0.00072	SW846 8260D	1	06/14/2024 13:58	TMP	A2
Carbon Tetrachloride	0.00058U	U,P1,P2	mg/kg	0.0023	0.00058	SW846 8260D	1	06/14/2024 13:58	TMP	A2
Chlorobenzene	0.00058U	U,P1,P2	mg/kg	0.0023	0.00058	SW846 8260D	1	06/14/2024 13:58	TMP	A2
Chlorodibromomethane	0.00077U	U,P1,P2	mg/kg	0.0023	0.00077	SW846 8260D	1	06/14/2024 13:58	TMP	A2
Chloroethane	0.00097U	U,P1,P2	mg/kg	0.0057	0.00097	SW846 8260D	1	06/14/2024 13:58	TMP	A2
Chloroform	0.00060U	U,P1,P2	mg/kg	0.0023	0.00060	SW846 8260D	1	06/14/2024 13:58	TMP	A2
Chloromethane	0.00063U	U,P1,P2	mg/kg	0.0023	0.00063	SW846 8260D	1	06/14/2024 13:58	TMP	A2
cis-1,2-Dichloroethene	0.00057U	U,P1,P2	mg/kg	0.0023	0.00057	SW846 8260D	1	06/14/2024 13:58	TMP	A2
cis-1,3-Dichloropropene	0.00063U	U,P1,P2	mg/kg	0.0023	0.00063	SW846 8260D	1	06/14/2024 13:58	TMP	A2
Dibromomethane	0.00082U	U,P1,P2	mg/kg	0.0023	0.00082	SW846 8260D	1	06/14/2024 13:58	TMP	A2
Dichlorodifluoromethane	0.00076U	U,P1,P2	mg/kg	0.0023	0.00076	SW846 8260D	1	06/14/2024 13:58	TMP	A2
Ethylbenzene	0.00077U	U,P1,P2	mg/kg	0.0023	0.00077	SW846 8260D	1	06/14/2024 13:58	TMP	A2
Freon 113	0.00057U	U,5,6,P1,P2	mg/kg	0.0023	0.00057	SW846 8260D	1	06/14/2024 13:58	TMP	A2
Hexachlorobutadiene	0.00057U	U,P1,P2	mg/kg	0.0057	0.00057	SW846 8260D	1	06/14/2024 13:58	TMP	A2
Isopropylbenzene	0.00069U	U,P1,P2	mg/kg	0.0023	0.00069	SW846 8260D	1	06/14/2024 13:58	TMP	A2
Methyl t-Butyl Ether	0.00057U	U,P1,P2	mg/kg	0.0023	0.00057	SW846 8260D	1	06/14/2024 13:58	TMP	A2
Methylene Chloride	0.00089U	U,P1,P2	mg/kg	0.0023	0.00089	SW846 8260D	1	06/14/2024 13:58	TMP	A2
mp-Xylene	0.00095U	U,P1,P2	mg/kg	0.0046	0.00095	SW846 8260D	1	06/14/2024 13:58	TMP	A2





**Results**

Client Sample ID SB-18 (2-11) Collected 06/05/2024 09:30  
 Lab Sample ID 3363483034 Lab Receipt 06/08/2024 08:37

**VOLATILE ORGANICS (cont.)**

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Naphthalene	0.00057U	U,P1,P2	mg/kg	0.0023	0.00057	SW846 8260D	1	06/14/2024 13:58	TMP	A2
n-Butylbenzene	0.00057U	U,4,P1,P2	mg/kg	0.0023	0.00057	SW846 8260D	1	06/14/2024 13:58	TMP	A2
n-Propylbenzene	0.00057U	U,P1,P2	mg/kg	0.0023	0.00057	SW846 8260D	1	06/14/2024 13:58	TMP	A2
o-Chlorotoluene	0.00057U	U,P1,P2	mg/kg	0.0023	0.00057	SW846 8260D	1	06/14/2024 13:58	TMP	A2
o-Xylene	0.00066U	U,P1,P2	mg/kg	0.0023	0.00066	SW846 8260D	1	06/14/2024 13:58	TMP	A2
p-Chlorotoluene	0.00057U	U,P1,P2	mg/kg	0.0023	0.00057	SW846 8260D	1	06/14/2024 13:58	TMP	A2
p-Isopropyltoluene	0.00057U	U,P1,P2	mg/kg	0.0023	0.00057	SW846 8260D	1	06/14/2024 13:58	TMP	A2
sec-Butylbenzene	0.00057U	U,P1,P2	mg/kg	0.0023	0.00057	SW846 8260D	1	06/14/2024 13:58	TMP	A2
Styrene	0.00057U	U,P1,P2	mg/kg	0.0023	0.00057	SW846 8260D	1	06/14/2024 13:58	TMP	A2
tert-Butylbenzene	0.00063U	U,P1,P2	mg/kg	0.0023	0.00063	SW846 8260D	1	06/14/2024 13:58	TMP	A2
Tetrachloroethene	0.00068U	U,P1,P2	mg/kg	0.0023	0.00068	SW846 8260D	1	06/14/2024 13:58	TMP	A2
Toluene	0.00076U	U,P1,P2	mg/kg	0.0023	0.00076	SW846 8260D	1	06/14/2024 13:58	TMP	A2
Total Xylenes	0.0016U	U,P1,P2	mg/kg	0.0068	0.0016	SW846 8260D	1	06/14/2024 13:58	TMP	A2
trans-1,2-Dichloroethene	0.00059U	U,P1,P2	mg/kg	0.0023	0.00059	SW846 8260D	1	06/14/2024 13:58	TMP	A2
trans-1,3-Dichloropropene	0.00066U	U,P1,P2	mg/kg	0.0023	0.00066	SW846 8260D	1	06/14/2024 13:58	TMP	A2
Trichloroethene	0.00057U	U,P1,P2	mg/kg	0.0023	0.00057	SW846 8260D	1	06/14/2024 13:58	TMP	A2
Trichlorofluoromethane	0.00057U	U,P1,P2	mg/kg	0.0023	0.00057	SW846 8260D	1	06/14/2024 13:58	TMP	A2
Vinyl Chloride	0.00057U	U,P1,P2	mg/kg	0.0023	0.00057	SW846 8260D	1	06/14/2024 13:58	TMP	A2

**SURROGATES**

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	112%	56 - 124	06/14/2024 13:58	
4-Bromofluorobenzene	460-00-4	99.7%	51 - 128	06/14/2024 13:58	
Dibromofluoromethane	1868-53-7	101%	62 - 123	06/14/2024 13:58	
Toluene-d8	2037-26-5	98.3%	59 - 131	06/14/2024 13:58	

**WET CHEMISTRY**

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Moisture	14.9	P1,P2	%	0.1	0.01	S2540G-11	1	06/10/2024 16:21	E1R	A
Total Solids	85.1	P1,P2	%	0.1	0.01	S2540G-11	1	06/10/2024 16:21	E1R	A



## Results

Client Sample ID	MW-01 (2-4)	Collected	06/05/2024 09:55
Lab Sample ID	3363483035	Lab Receipt	06/08/2024 08:37

### GASOLINE RANGE ORGANICS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Gasoline Range Organics	2.2U	U,P1,P2	mg/kg	13.2	2.2	SW846 8015D	100	06/14/2024 00:54	JTH	A1

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
a,a,a-Trifluorotoluene	98-08-8	106%	72 - 134	06/14/2024 00:54	

### PETROLEUM HC's

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Diesel Range Organics C10-C28	6.1J	J,P1,P2	mg/kg	13.2	3.6	SW846 8015D	1	06/15/2024 20:34	KJH	A

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
o-Terphenyl	84-15-1	87.4%	36 - 122	06/15/2024 20:34	

### SEMIVOLATILE SIM

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,4-Dioxane	0.0031U	U,P1,P2	mg/kg	0.0062	0.0031	SW846 8270E SIM	1	06/19/2024 15:36	S7M	A
1-Methylnaphthalene	0.15	P1,P2	mg/kg	0.0062	0.0011	SW846 8270E SIM	1	06/19/2024 15:36	S7M	A
2-Methylnaphthalene	0.19	P1,P2	mg/kg	0.0062	0.0016	SW846 8270E SIM	1	06/19/2024 15:36	S7M	A
Acenaphthene	0.0011U	U,P1,P2	mg/kg	0.0062	0.0011	SW846 8270E SIM	1	06/19/2024 15:36	S7M	A
Acenaphthylene	0.0041J	J,P1,P2	mg/kg	0.0062	0.0011	SW846 8270E SIM	1	06/19/2024 15:36	S7M	A
Anthracene	0.012	P1,P2	mg/kg	0.0062	0.00099	SW846 8270E SIM	1	06/19/2024 15:36	S7M	A
Benzo(a)anthracene	0.021	P1,P2	mg/kg	0.0062	0.00099	SW846 8270E SIM	1	06/19/2024 15:36	S7M	A
Benzo(a)pyrene	0.015	P1,P2	mg/kg	0.0062	0.00099	SW846 8270E SIM	1	06/19/2024 15:36	S7M	A
Benzo(b)fluoranthene	0.022	P1,P2	mg/kg	0.0062	0.00099	SW846 8270E SIM	1	06/19/2024 15:36	S7M	A
Benzo(g,h,i)perylene	0.015	12,P1,P2	mg/kg	0.0062	0.0012	SW846 8270E SIM	1	06/19/2024 15:36	S7M	A
Benzo(k)fluoranthene	0.014	P1,P2	mg/kg	0.0062	0.0011	SW846 8270E SIM	1	06/19/2024 15:36	S7M	A
Chrysene	0.045	P1,P2	mg/kg	0.0062	0.0011	SW846 8270E SIM	1	06/19/2024 15:36	S7M	A
Dibenzo(a,h)anthracene	0.0048J	J,P1,P2	mg/kg	0.0062	0.00087	SW846 8270E SIM	1	06/19/2024 15:36	S7M	A
Fluoranthene	0.029	P1,P2	mg/kg	0.0062	0.0011	SW846 8270E SIM	1	06/19/2024 15:36	S7M	A
Fluorene	0.0087	P1,P2	mg/kg	0.0062	0.0012	SW846 8270E SIM	1	06/19/2024 15:36	S7M	A
Indeno(1,2,3-cd)pyrene	0.0089	P1,P2	mg/kg	0.0062	0.00099	SW846 8270E SIM	1	06/19/2024 15:36	S7M	A
Naphthalene	0.10	P1,P2	mg/kg	0.0062	0.0014	SW846 8270E SIM	1	06/19/2024 15:36	S7M	A
Phenanthrene	0.13	P1,P2	mg/kg	0.0062	0.0014	SW846 8270E SIM	1	06/19/2024 15:36	S7M	A



## Results

Client Sample ID	MW-01 (2-4)	Collected	06/05/2024 09:55
Lab Sample ID	3363483035	Lab Receipt	06/08/2024 08:37

### SEMIVOLATILE SIM (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Pyrene	0.032	P1,P2	mg/kg	0.0062	0.00099	SW846 8270E SIM	1	06/19/2024 15:36	S7M	A

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
2-Methylnaphthalene-d10	7297-45-2	64.4%	50 - 150	06/19/2024 15:36	
Fluoranthene-d10	93951-69-0	94.1%	50 - 150	06/19/2024 15:36	

### SEMIVOLATILES

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1-Methylnaphthalene	0.14	P1,P2	mg/kg	0.12	0.021	SW846 8270E	1	06/18/2024 07:30	S7M	A
2-Methylnaphthalene	0.19	P1,P2	mg/kg	0.12	0.021	SW846 8270E	1	06/18/2024 07:30	S7M	A
Acenaphthene	0.021U	U,P1,P2	mg/kg	0.062	0.021	SW846 8270E	1	06/18/2024 07:30	S7M	A
Acenaphthylene	0.021U	U,P1,P2	mg/kg	0.062	0.021	SW846 8270E	1	06/18/2024 07:30	S7M	A
Anthracene	0.021U	U,P1,P2	mg/kg	0.062	0.021	SW846 8270E	1	06/18/2024 07:30	S7M	A
Benzo(a)anthracene	0.021U	U,P1,P2	mg/kg	0.062	0.021	SW846 8270E	1	06/18/2024 07:30	S7M	A
Benzo(a)pyrene	0.021U	U,P1,P2	mg/kg	0.062	0.021	SW846 8270E	1	06/18/2024 07:30	S7M	A
Benzo(b)fluoranthene	0.022J	J,P1,P2	mg/kg	0.062	0.021	SW846 8270E	1	06/18/2024 07:30	S7M	A
Benzo(g,h,i)perylene	0.021U	U,P1,P2	mg/kg	0.062	0.021	SW846 8270E	1	06/18/2024 07:30	S7M	A
Benzo(k)fluoranthene	0.021U	U,P1,P2	mg/kg	0.062	0.021	SW846 8270E	1	06/18/2024 07:30	S7M	A
Carbazole	0.021U	U,P1,P2	mg/kg	0.12	0.021	SW846 8270E	1	06/18/2024 07:30	S7M	A
Chrysene	0.045J	J,P1,P2	mg/kg	0.062	0.021	SW846 8270E	1	06/18/2024 07:30	S7M	A
Dibenzo(a,h)anthracene	0.021U	U,P1,P2	mg/kg	0.062	0.021	SW846 8270E	1	06/18/2024 07:30	S7M	A
Dibenzofuran	0.053J	J,P1,P2	mg/kg	0.12	0.021	SW846 8270E	1	06/18/2024 07:30	S7M	A
Fluoranthene	0.028J	J,P1,P2	mg/kg	0.062	0.021	SW846 8270E	1	06/18/2024 07:30	S7M	A
Fluorene	0.021U	U,P1,P2	mg/kg	0.062	0.021	SW846 8270E	1	06/18/2024 07:30	S7M	A
Indeno(1,2,3-cd)pyrene	0.021U	U,P1,P2	mg/kg	0.062	0.021	SW846 8270E	1	06/18/2024 07:30	S7M	A
Naphthalene	0.098	P1,P2	mg/kg	0.062	0.021	SW846 8270E	1	06/18/2024 07:30	S7M	A
Phenanthrene	0.12	P1,P2	mg/kg	0.062	0.021	SW846 8270E	1	06/18/2024 07:30	S7M	A
Pyrene	0.030J	J,P1,P2	mg/kg	0.062	0.021	SW846 8270E	1	06/18/2024 07:30	S7M	A

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
2,4,6-Tribromophenol	118-79-6	72.1%	19 - 132	06/18/2024 07:30	
2-Fluorobiphenyl	321-60-8	56.6%	40 - 110	06/18/2024 07:30	
2-Fluorophenol	367-12-4	52.1%	26 - 116	06/18/2024 07:30	
Nitrobenzene-d5	4165-60-0	60.7%	38 - 112	06/18/2024 07:30	
Phenol-d5	4165-62-2	59%	35 - 111	06/18/2024 07:30	
Terphenyl-d14	98904-43-9	87.4%	45 - 126	06/18/2024 07:30	

### VOLATILE ORGANICS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1-Trichloroethane	0.00082U	U,P1,P2	mg/kg	0.0026	0.00082	SW846 8260D	1	06/14/2024 14:24	TMP	A2

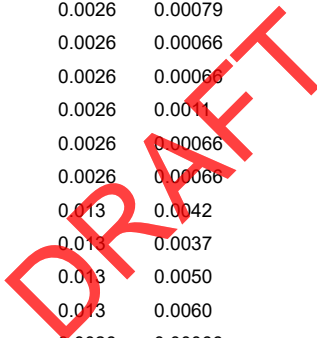


**Results**

Client Sample ID MW-01 (2-4) Collected 06/05/2024 09:55  
 Lab Sample ID 3363483035 Lab Receipt 06/08/2024 08:37

**VOLATILE ORGANICS (cont.)**

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,2,2-Tetrachloroethane	0.00074U	U,P1,P2	mg/kg	0.0026	0.00074	SW846 8260D	1	06/14/2024 14:24	TMP	A2
1,1,2-Trichloroethane	0.00074U	U,P1,P2	mg/kg	0.0026	0.00074	SW846 8260D	1	06/14/2024 14:24	TMP	A2
1,1-Dichloroethane	0.00066U	U,P1,P2	mg/kg	0.0026	0.00066	SW846 8260D	1	06/14/2024 14:24	TMP	A2
1,1-Dichloroethene	0.00068U	U,P1,P2	mg/kg	0.0026	0.00068	SW846 8260D	1	06/14/2024 14:24	TMP	A2
1,1-Dichloropropene	0.00066U	U,P1,P2	mg/kg	0.0026	0.00066	SW846 8260D	1	06/14/2024 14:24	TMP	A2
1,2,3-Trichlorobenzene	0.00066U	U,P1,P2	mg/kg	0.0066	0.00066	SW846 8260D	1	06/14/2024 14:24	TMP	A2
1,2,3-Trichloropropane	0.00066U	U,P1,P2	mg/kg	0.0026	0.00066	SW846 8260D	1	06/14/2024 14:24	TMP	A2
1,2,4-Trichlorobenzene	0.00066U	U,P1,P2	mg/kg	0.0066	0.00066	SW846 8260D	1	06/14/2024 14:24	TMP	A2
1,2,4-Trimethylbenzene	0.00066U	U,P1,P2	mg/kg	0.0026	0.00066	SW846 8260D	1	06/14/2024 14:24	TMP	A2
1,2-Dibromo-3-chloropropane	0.00033U	U,P1,P2	mg/kg	0.0026	0.00033	SW846 8260D	1	06/14/2024 14:24	TMP	A2
1,2-Dibromoethane	0.00071U	U,P1,P2	mg/kg	0.0026	0.00071	SW846 8260D	1	06/14/2024 14:24	TMP	A2
1,2-Dichlorobenzene	0.00066U	U,P1,P2	mg/kg	0.0026	0.00066	SW846 8260D	1	06/14/2024 14:24	TMP	A2
1,2-Dichloroethane	0.00066U	U,P1,P2	mg/kg	0.0026	0.00066	SW846 8260D	1	06/14/2024 14:24	TMP	A2
1,2-Dichloropropane	0.00079U	U,P1,P2	mg/kg	0.0026	0.00079	SW846 8260D	1	06/14/2024 14:24	TMP	A2
1,3,5-Trimethylbenzene	0.00066U	U,P1,P2	mg/kg	0.0026	0.00066	SW846 8260D	1	06/14/2024 14:24	TMP	A2
1,3-Dichlorobenzene	0.00066U	U,P1,P2	mg/kg	0.0026	0.00066	SW846 8260D	1	06/14/2024 14:24	TMP	A2
1,3-Dichloropropane	0.0011U	U,P1,P2	mg/kg	0.0026	0.0011	SW846 8260D	1	06/14/2024 14:24	TMP	A2
1,4-Dichlorobenzene	0.00066U	U,P1,P2	mg/kg	0.0026	0.00066	SW846 8260D	1	06/14/2024 14:24	TMP	A2
2,2-Dichloropropane	0.00066U	U,P1,P2	mg/kg	0.0026	0.00066	SW846 8260D	1	06/14/2024 14:24	TMP	A2
2-Butanone	0.0042U	U,P1,P2	mg/kg	0.013	0.0042	SW846 8260D	1	06/14/2024 14:24	TMP	A2
2-Hexanone	0.0037U	U,P1,P2	mg/kg	0.013	0.0037	SW846 8260D	1	06/14/2024 14:24	TMP	A2
4-Methyl-2-Pentanone(MIBK)	0.0050U	U,P1,P2	mg/kg	0.013	0.0050	SW846 8260D	1	06/14/2024 14:24	TMP	A2
Acetone	0.0060U	U,P1,P2	mg/kg	0.013	0.0060	SW846 8260D	1	06/14/2024 14:24	TMP	A2
Benzene	0.00066U	U,P1,P2	mg/kg	0.0026	0.00066	SW846 8260D	1	06/14/2024 14:24	TMP	A2
Bromobenzene	0.00066U	U,P1,P2	mg/kg	0.0026	0.00066	SW846 8260D	1	06/14/2024 14:24	TMP	A2
Bromochloromethane	0.00066U	U,P1,P2	mg/kg	0.0026	0.00066	SW846 8260D	1	06/14/2024 14:24	TMP	A2
Bromodichloromethane	0.00093U	U,P1,P2	mg/kg	0.0026	0.00093	SW846 8260D	1	06/14/2024 14:24	TMP	A2
Bromoform	0.00068U	U,P1,P2	mg/kg	0.0026	0.00068	SW846 8260D	1	06/14/2024 14:24	TMP	A2
Bromomethane	0.00068U	U,P1,P2	mg/kg	0.0026	0.00068	SW846 8260D	1	06/14/2024 14:24	TMP	A2
Carbon Disulfide	0.00083U	U,P1,P2	mg/kg	0.0026	0.00083	SW846 8260D	1	06/14/2024 14:24	TMP	A2
Carbon Tetrachloride	0.00067U	U,P1,P2	mg/kg	0.0026	0.00067	SW846 8260D	1	06/14/2024 14:24	TMP	A2
Chlorobenzene	0.00067U	U,P1,P2	mg/kg	0.0026	0.00067	SW846 8260D	1	06/14/2024 14:24	TMP	A2
Chlorodibromomethane	0.00089U	U,P1,P2	mg/kg	0.0026	0.00089	SW846 8260D	1	06/14/2024 14:24	TMP	A2
Chloroethane	0.0011U	U,P1,P2	mg/kg	0.0066	0.0011	SW846 8260D	1	06/14/2024 14:24	TMP	A2
Chloroform	0.00070U	U,P1,P2	mg/kg	0.0026	0.00070	SW846 8260D	1	06/14/2024 14:24	TMP	A2
Chloromethane	0.00072U	U,P1,P2	mg/kg	0.0026	0.00072	SW846 8260D	1	06/14/2024 14:24	TMP	A2
cis-1,2-Dichloroethene	0.00066U	U,P1,P2	mg/kg	0.0026	0.00066	SW846 8260D	1	06/14/2024 14:24	TMP	A2
cis-1,3-Dichloropropene	0.00072U	U,P1,P2	mg/kg	0.0026	0.00072	SW846 8260D	1	06/14/2024 14:24	TMP	A2
Dibromomethane	0.00095U	U,P1,P2	mg/kg	0.0026	0.00095	SW846 8260D	1	06/14/2024 14:24	TMP	A2
Dichlorodifluoromethane	0.00088U	U,P1,P2	mg/kg	0.0026	0.00088	SW846 8260D	1	06/14/2024 14:24	TMP	A2
Ethylbenzene	0.00089U	U,P1,P2	mg/kg	0.0026	0.00089	SW846 8260D	1	06/14/2024 14:24	TMP	A2
Freon 113	0.00066U	U,5,6,P1,P2	mg/kg	0.0026	0.00066	SW846 8260D	1	06/14/2024 14:24	TMP	A2
Hexachlorobutadiene	0.00066U	U,P1,P2	mg/kg	0.0066	0.00066	SW846 8260D	1	06/14/2024 14:24	TMP	A2
Isopropylbenzene	0.00080U	U,P1,P2	mg/kg	0.0026	0.00080	SW846 8260D	1	06/14/2024 14:24	TMP	A2
Methyl t-Butyl Ether	0.00066U	U,P1,P2	mg/kg	0.0026	0.00066	SW846 8260D	1	06/14/2024 14:24	TMP	A2
Methylene Chloride	0.0044	P1,P2	mg/kg	0.0026	0.0010	SW846 8260D	1	06/14/2024 14:24	TMP	A2
mp-Xylene	0.0011U	U,P1,P2	mg/kg	0.0053	0.0011	SW846 8260D	1	06/14/2024 14:24	TMP	A2





## Results

Client Sample ID	MW-01 (2-4)	Collected	06/05/2024 09:55
Lab Sample ID	3363483035	Lab Receipt	06/08/2024 08:37

### VOLATILE ORGANICS (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Naphthalene	0.00066U	U,P1,P2	mg/kg	0.0026	0.00066	SW846 8260D	1	06/14/2024 14:24	TMP	A2
n-Butylbenzene	0.00066U	U,4,P1,P2	mg/kg	0.0026	0.00066	SW846 8260D	1	06/14/2024 14:24	TMP	A2
n-Propylbenzene	0.00066U	U,P1,P2	mg/kg	0.0026	0.00066	SW846 8260D	1	06/14/2024 14:24	TMP	A2
o-Chlorotoluene	0.00066U	U,P1,P2	mg/kg	0.0026	0.00066	SW846 8260D	1	06/14/2024 14:24	TMP	A2
o-Xylene	0.00076U	U,P1,P2	mg/kg	0.0026	0.00076	SW846 8260D	1	06/14/2024 14:24	TMP	A2
p-Chlorotoluene	0.00066U	U,P1,P2	mg/kg	0.0026	0.00066	SW846 8260D	1	06/14/2024 14:24	TMP	A2
p-Isopropyltoluene	0.00066U	U,P1,P2	mg/kg	0.0026	0.00066	SW846 8260D	1	06/14/2024 14:24	TMP	A2
sec-Butylbenzene	0.00066U	U,P1,P2	mg/kg	0.0026	0.00066	SW846 8260D	1	06/14/2024 14:24	TMP	A2
Styrene	0.00066U	U,P1,P2	mg/kg	0.0026	0.00066	SW846 8260D	1	06/14/2024 14:24	TMP	A2
tert-Butylbenzene	0.00072U	U,P1,P2	mg/kg	0.0026	0.00072	SW846 8260D	1	06/14/2024 14:24	TMP	A2
Tetrachloroethene	0.00079U	U,P1,P2	mg/kg	0.0026	0.00079	SW846 8260D	1	06/14/2024 14:24	TMP	A2
Toluene	0.00088U	U,P1,P2	mg/kg	0.0026	0.00088	SW846 8260D	1	06/14/2024 14:24	TMP	A2
Total Xylenes	0.0018U	U,P1,P2	mg/kg	0.0079	0.0018	SW846 8260D	1	06/14/2024 14:24	TMP	A2
trans-1,2-Dichloroethene	0.00068U	U,P1,P2	mg/kg	0.0026	0.00068	SW846 8260D	1	06/14/2024 14:24	TMP	A2
trans-1,3-Dichloropropene	0.00076U	U,P1,P2	mg/kg	0.0026	0.00076	SW846 8260D	1	06/14/2024 14:24	TMP	A2
Trichloroethene	0.00066U	U,P1,P2	mg/kg	0.0026	0.00066	SW846 8260D	1	06/14/2024 14:24	TMP	A2
Trichlorofluoromethane	0.00066U	U,P1,P2	mg/kg	0.0026	0.00066	SW846 8260D	1	06/14/2024 14:24	TMP	A2
Vinyl Chloride	0.00066U	U,P1,P2	mg/kg	0.0026	0.00066	SW846 8260D	1	06/14/2024 14:24	TMP	A2

### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	112%	56 - 124	06/14/2024 14:24	
4-Bromofluorobenzene	460-00-4	99.1%	51 - 128	06/14/2024 14:24	
Dibromofluoromethane	1868-53-7	103%	62 - 123	06/14/2024 14:24	
Toluene-d8	2037-26-5	98.3%	59 - 131	06/14/2024 14:24	

### WET CHEMISTRY

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Moisture	20.9	P1,P2	%	0.1	0.01	S2540G-11	1	06/10/2024 16:21	E1R	A
Total Solids	79.1	P1,P2	%	0.1	0.01	S2540G-11	1	06/10/2024 16:21	E1R	A





## Results

Client Sample ID	MW-01 (4-6)	Collected	06/05/2024 09:55
Lab Sample ID	3363483036	Lab Receipt	06/08/2024 08:37

### GASOLINE RANGE ORGANICS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Gasoline Range Organics	2.4U	U,P1,P2	mg/kg	14.3	2.4	SW846 8015D	100	06/14/2024 01:20	JTH	A1

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
a,a,a-Trifluorotoluene	98-08-8	109%	72 - 134	06/14/2024 01:20	

### PETROLEUM HC's

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Diesel Range Organics C10-C28	12.8J	J,P1,P2	mg/kg	13.5	3.7	SW846 8015D	1	06/15/2024 21:06	KJH	A

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
o-Terphenyl	84-15-1	79%	36 - 122	06/15/2024 21:06	

### SEMIVOLATILE SIM

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,4-Dioxane	0.0029U	U,P1,P2	mg/kg	0.0058	0.0029	SW846 8270E SIM	1	06/19/2024 16:04	S7M	A
1-Methylnaphthalene	0.011	P1,P2	mg/kg	0.0058	0.0011	SW846 8270E SIM	1	06/19/2024 16:04	S7M	A
2-Methylnaphthalene	0.013	P1,P2	mg/kg	0.0058	0.0015	SW846 8270E SIM	1	06/19/2024 16:04	S7M	A
Acenaphthene	0.0011U	U,P1,P2	mg/kg	0.0058	0.0011	SW846 8270E SIM	1	06/19/2024 16:04	S7M	A
Acenaphthylene	0.0011U	U,P1,P2	mg/kg	0.0058	0.0011	SW846 8270E SIM	1	06/19/2024 16:04	S7M	A
Anthracene	0.00094U	U,P1,P2	mg/kg	0.0058	0.00094	SW846 8270E SIM	1	06/19/2024 16:04	S7M	A
Benzo(a)anthracene	0.00094U	U,P1,P2	mg/kg	0.0058	0.00094	SW846 8270E SIM	1	06/19/2024 16:04	S7M	A
Benzo(a)pyrene	0.00094U	U,P1,P2	mg/kg	0.0058	0.00094	SW846 8270E SIM	1	06/19/2024 16:04	S7M	A
Benzo(b)fluoranthene	0.0041J	J,P1,P2	mg/kg	0.0058	0.00094	SW846 8270E SIM	1	06/19/2024 16:04	S7M	A
Benzo(g,h,i)perylene	0.0012U	U,12,P1,P2	mg/kg	0.0058	0.0012	SW846 8270E SIM	1	06/19/2024 16:04	S7M	A
Benzo(k)fluoranthene	0.0011U	U,P1,P2	mg/kg	0.0058	0.0011	SW846 8270E SIM	1	06/19/2024 16:04	S7M	A
Chrysene	0.0054J	J,P1,P2	mg/kg	0.0058	0.0011	SW846 8270E SIM	1	06/19/2024 16:04	S7M	A
Dibenzo(a,h)anthracene	0.00082U	U,P1,P2	mg/kg	0.0058	0.00082	SW846 8270E SIM	1	06/19/2024 16:04	S7M	A
Fluoranthene	0.0040J	J,P1,P2	mg/kg	0.0058	0.0011	SW846 8270E SIM	1	06/19/2024 16:04	S7M	A
Fluorene	0.0012U	U,P1,P2	mg/kg	0.0058	0.0012	SW846 8270E SIM	1	06/19/2024 16:04	S7M	A
Indeno(1,2,3-cd)pyrene	0.00094U	U,P1,P2	mg/kg	0.0058	0.00094	SW846 8270E SIM	1	06/19/2024 16:04	S7M	A
Naphthalene	0.0089	P1,P2	mg/kg	0.0058	0.0013	SW846 8270E SIM	1	06/19/2024 16:04	S7M	A
Phenanthrene	0.011	P1,P2	mg/kg	0.0058	0.0013	SW846 8270E SIM	1	06/19/2024 16:04	S7M	A



## Results

Client Sample ID	MW-01 (4-6)	Collected	06/05/2024 09:55
Lab Sample ID	3363483036	Lab Receipt	06/08/2024 08:37

### SEMIVOLATILE SIM (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Pyrene	0.0036J	J,P1,P2	mg/kg	0.0058	0.00094	SW846 8270E SIM	1	06/19/2024 16:04	S7M	A

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
2-Methylnaphthalene-d10	7297-45-2	81.5%	50 - 150	06/19/2024 16:04	
Fluoranthene-d10	93951-69-0	91.7%	50 - 150	06/19/2024 16:04	

### SEMIVOLATILES

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1-Methylnaphthalene	0.020U	U,P1,P2	mg/kg	0.12	0.020	SW846 8270E	1	06/18/2024 07:55	S7M	A
2-Methylnaphthalene	0.020U	U,P1,P2	mg/kg	0.12	0.020	SW846 8270E	1	06/18/2024 07:55	S7M	A
Acenaphthene	0.020U	U,P1,P2	mg/kg	0.058	0.020	SW846 8270E	1	06/18/2024 07:55	S7M	A
Acenaphthylene	0.020U	U,P1,P2	mg/kg	0.058	0.020	SW846 8270E	1	06/18/2024 07:55	S7M	A
Anthracene	0.020U	U,P1,P2	mg/kg	0.058	0.020	SW846 8270E	1	06/18/2024 07:55	S7M	A
Benzo(a)anthracene	0.020U	U,P1,P2	mg/kg	0.058	0.020	SW846 8270E	1	06/18/2024 07:55	S7M	A
Benzo(a)pyrene	0.020U	U,P1,P2	mg/kg	0.058	0.020	SW846 8270E	1	06/18/2024 07:55	S7M	A
Benzo(b)fluoranthene	0.020U	U,P1,P2	mg/kg	0.058	0.020	SW846 8270E	1	06/18/2024 07:55	S7M	A
Benzo(g,h,i)perylene	0.020U	U,P1,P2	mg/kg	0.058	0.020	SW846 8270E	1	06/18/2024 07:55	S7M	A
Benzo(k)fluoranthene	0.020U	U,P1,P2	mg/kg	0.058	0.020	SW846 8270E	1	06/18/2024 07:55	S7M	A
Carbazole	0.020U	U,P1,P2	mg/kg	0.12	0.020	SW846 8270E	1	06/18/2024 07:55	S7M	A
Chrysene	0.020U	U,P1,P2	mg/kg	0.058	0.020	SW846 8270E	1	06/18/2024 07:55	S7M	A
Dibenzo(a,h)anthracene	0.020U	U,P1,P2	mg/kg	0.058	0.020	SW846 8270E	1	06/18/2024 07:55	S7M	A
Dibenzofuran	0.020U	U,P1,P2	mg/kg	0.12	0.020	SW846 8270E	1	06/18/2024 07:55	S7M	A
Fluoranthene	0.020U	U,P1,P2	mg/kg	0.058	0.020	SW846 8270E	1	06/18/2024 07:55	S7M	A
Fluorene	0.020U	U,P1,P2	mg/kg	0.058	0.020	SW846 8270E	1	06/18/2024 07:55	S7M	A
Indeno(1,2,3-cd)pyrene	0.020U	U,P1,P2	mg/kg	0.058	0.020	SW846 8270E	1	06/18/2024 07:55	S7M	A
Naphthalene	0.020U	U,P1,P2	mg/kg	0.058	0.020	SW846 8270E	1	06/18/2024 07:55	S7M	A
Phenanthrene	0.020U	U,P1,P2	mg/kg	0.058	0.020	SW846 8270E	1	06/18/2024 07:55	S7M	A
Pyrene	0.020U	U,P1,P2	mg/kg	0.058	0.020	SW846 8270E	1	06/18/2024 07:55	S7M	A

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
2,4,6-Tribromophenol	118-79-6	71.5%	19 - 132	06/18/2024 07:55	
2-Fluorobiphenyl	321-60-8	67%	40 - 110	06/18/2024 07:55	
2-Fluorophenol	367-12-4	70.5%	26 - 116	06/18/2024 07:55	
Nitrobenzene-d5	4165-60-0	78.8%	38 - 112	06/18/2024 07:55	
Phenol-d5	4165-62-2	75.5%	35 - 111	06/18/2024 07:55	
Terphenyl-d14	98904-43-9	84%	45 - 126	06/18/2024 07:55	

### VOLATILE ORGANICS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1-Trichloroethane	0.00085U	U,P1,P2	mg/kg	0.0027	0.00085	SW846 8260D	1	06/14/2024 14:49	TMP	A2



**Results**

Client Sample ID MW-01 (4-6) Collected 06/05/2024 09:55  
 Lab Sample ID 3363483036 Lab Receipt 06/08/2024 08:37

**VOLATILE ORGANICS (cont.)**

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,2,2-Tetrachloroethane	0.00076U	U,P1,P2	mg/kg	0.0027	0.00076	SW846 8260D	1	06/14/2024 14:49	TMP	A2
1,1,2-Trichloroethane	0.00076U	U,P1,P2	mg/kg	0.0027	0.00076	SW846 8260D	1	06/14/2024 14:49	TMP	A2
1,1-Dichloroethane	0.00068U	U,P1,P2	mg/kg	0.0027	0.00068	SW846 8260D	1	06/14/2024 14:49	TMP	A2
1,1-Dichloroethene	0.00071U	U,P1,P2	mg/kg	0.0027	0.00071	SW846 8260D	1	06/14/2024 14:49	TMP	A2
1,1-Dichloropropene	0.00068U	U,P1,P2	mg/kg	0.0027	0.00068	SW846 8260D	1	06/14/2024 14:49	TMP	A2
1,2,3-Trichlorobenzene	0.00068U	U,P1,P2	mg/kg	0.0068	0.00068	SW846 8260D	1	06/14/2024 14:49	TMP	A2
1,2,3-Trichloropropane	0.00068U	U,P1,P2	mg/kg	0.0027	0.00068	SW846 8260D	1	06/14/2024 14:49	TMP	A2
1,2,4-Trichlorobenzene	0.00068U	U,P1,P2	mg/kg	0.0068	0.00068	SW846 8260D	1	06/14/2024 14:49	TMP	A2
1,2,4-Trimethylbenzene	0.00068U	U,P1,P2	mg/kg	0.0027	0.00068	SW846 8260D	1	06/14/2024 14:49	TMP	A2
1,2-Dibromo-3-chloropropane	0.00034U	U,P1,P2	mg/kg	0.0027	0.00034	SW846 8260D	1	06/14/2024 14:49	TMP	A2
1,2-Dibromoethane	0.00074U	U,P1,P2	mg/kg	0.0027	0.00074	SW846 8260D	1	06/14/2024 14:49	TMP	A2
1,2-Dichlorobenzene	0.00068U	U,P1,P2	mg/kg	0.0027	0.00068	SW846 8260D	1	06/14/2024 14:49	TMP	A2
1,2-Dichloroethane	0.00068U	U,P1,P2	mg/kg	0.0027	0.00068	SW846 8260D	1	06/14/2024 14:49	TMP	A2
1,2-Dichloropropane	0.00082U	U,P1,P2	mg/kg	0.0027	0.00082	SW846 8260D	1	06/14/2024 14:49	TMP	A2
1,3,5-Trimethylbenzene	0.00068U	U,P1,P2	mg/kg	0.0027	0.00068	SW846 8260D	1	06/14/2024 14:49	TMP	A2
1,3-Dichlorobenzene	0.00068U	U,P1,P2	mg/kg	0.0027	0.00068	SW846 8260D	1	06/14/2024 14:49	TMP	A2
1,3-Dichloropropane	0.0011U	U,P1,P2	mg/kg	0.0027	0.0011	SW846 8260D	1	06/14/2024 14:49	TMP	A2
1,4-Dichlorobenzene	0.00068U	U,P1,P2	mg/kg	0.0027	0.00068	SW846 8260D	1	06/14/2024 14:49	TMP	A2
2,2-Dichloropropane	0.00068U	U,P1,P2	mg/kg	0.0027	0.00068	SW846 8260D	1	06/14/2024 14:49	TMP	A2
2-Butanone	0.011J	J,P1,P2	mg/kg	0.014	0.0044	SW846 8260D	1	06/14/2024 14:49	TMP	A2
2-Hexanone	0.0038U	U,P1,P2	mg/kg	0.014	0.0038	SW846 8260D	1	06/14/2024 14:49	TMP	A2
4-Methyl-2-Pentanone(MIBK)	0.0052U	U,P1,P2	mg/kg	0.014	0.0052	SW846 8260D	1	06/14/2024 14:49	TMP	A2
Acetone	0.11	P1,P2	mg/kg	0.014	0.0063	SW846 8260D	1	06/14/2024 14:49	TMP	A2
Benzene	0.00068U	U,P1,P2	mg/kg	0.0027	0.00068	SW846 8260D	1	06/14/2024 14:49	TMP	A2
Bromobenzene	0.00068U	U,P1,P2	mg/kg	0.0027	0.00068	SW846 8260D	1	06/14/2024 14:49	TMP	A2
Bromochloromethane	0.00068U	U,P1,P2	mg/kg	0.0027	0.00068	SW846 8260D	1	06/14/2024 14:49	TMP	A2
Bromodichloromethane	0.00097U	U,P1,P2	mg/kg	0.0027	0.00097	SW846 8260D	1	06/14/2024 14:49	TMP	A2
Bromoform	0.00071U	U,P1,P2	mg/kg	0.0027	0.00071	SW846 8260D	1	06/14/2024 14:49	TMP	A2
Bromomethane	0.00071U	U,P1,P2	mg/kg	0.0027	0.00071	SW846 8260D	1	06/14/2024 14:49	TMP	A2
Carbon Disulfide	0.00086U	U,P1,P2	mg/kg	0.0027	0.00086	SW846 8260D	1	06/14/2024 14:49	TMP	A2
Carbon Tetrachloride	0.00070U	U,P1,P2	mg/kg	0.0027	0.00070	SW846 8260D	1	06/14/2024 14:49	TMP	A2
Chlorobenzene	0.00070U	U,P1,P2	mg/kg	0.0027	0.00070	SW846 8260D	1	06/14/2024 14:49	TMP	A2
Chlorodibromomethane	0.00093U	U,P1,P2	mg/kg	0.0027	0.00093	SW846 8260D	1	06/14/2024 14:49	TMP	A2
Chloroethane	0.0012U	U,P1,P2	mg/kg	0.0068	0.0012	SW846 8260D	1	06/14/2024 14:49	TMP	A2
Chloroform	0.00072U	U,P1,P2	mg/kg	0.0027	0.00072	SW846 8260D	1	06/14/2024 14:49	TMP	A2
Chloromethane	0.00075U	U,P1,P2	mg/kg	0.0027	0.00075	SW846 8260D	1	06/14/2024 14:49	TMP	A2
cis-1,2-Dichloroethene	0.00068U	U,P1,P2	mg/kg	0.0027	0.00068	SW846 8260D	1	06/14/2024 14:49	TMP	A2
cis-1,3-Dichloropropene	0.00075U	U,P1,P2	mg/kg	0.0027	0.00075	SW846 8260D	1	06/14/2024 14:49	TMP	A2
Dibromomethane	0.00098U	U,P1,P2	mg/kg	0.0027	0.00098	SW846 8260D	1	06/14/2024 14:49	TMP	A2
Dichlorodifluoromethane	0.00092U	U,P1,P2	mg/kg	0.0027	0.00092	SW846 8260D	1	06/14/2024 14:49	TMP	A2
Ethylbenzene	0.00093U	U,P1,P2	mg/kg	0.0027	0.00093	SW846 8260D	1	06/14/2024 14:49	TMP	A2
Freon 113	0.00068U	U,5,6,P1,P2	mg/kg	0.0027	0.00068	SW846 8260D	1	06/14/2024 14:49	TMP	A2
Hexachlorobutadiene	0.00068U	U,P1,P2	mg/kg	0.0068	0.00068	SW846 8260D	1	06/14/2024 14:49	TMP	A2
Isopropylbenzene	0.00083U	U,P1,P2	mg/kg	0.0027	0.00083	SW846 8260D	1	06/14/2024 14:49	TMP	A2
Methyl t-Butyl Ether	0.00068U	U,P1,P2	mg/kg	0.0027	0.00068	SW846 8260D	1	06/14/2024 14:49	TMP	A2
Methylene Chloride	0.0032	P1,P2	mg/kg	0.0027	0.0011	SW846 8260D	1	06/14/2024 14:49	TMP	A2
mp-Xylene	0.0011U	U,P1,P2	mg/kg	0.0055	0.0011	SW846 8260D	1	06/14/2024 14:49	TMP	A2

DRAFT



**Results**

Client Sample ID MW-01 (4-6) Collected 06/05/2024 09:55  
 Lab Sample ID 3363483036 Lab Receipt 06/08/2024 08:37

**VOLATILE ORGANICS (cont.)**

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Naphthalene	0.00068U	U,P1,P2	mg/kg	0.0027	0.00068	SW846 8260D	1	06/14/2024 14:49	TMP	A2
n-Butylbenzene	0.00068U	U,4,P1,P2	mg/kg	0.0027	0.00068	SW846 8260D	1	06/14/2024 14:49	TMP	A2
n-Propylbenzene	0.00068U	U,P1,P2	mg/kg	0.0027	0.00068	SW846 8260D	1	06/14/2024 14:49	TMP	A2
o-Chlorotoluene	0.00068U	U,P1,P2	mg/kg	0.0027	0.00068	SW846 8260D	1	06/14/2024 14:49	TMP	A2
o-Xylene	0.00079U	U,P1,P2	mg/kg	0.0027	0.00079	SW846 8260D	1	06/14/2024 14:49	TMP	A2
p-Chlorotoluene	0.00068U	U,P1,P2	mg/kg	0.0027	0.00068	SW846 8260D	1	06/14/2024 14:49	TMP	A2
p-Isopropyltoluene	0.00068U	U,P1,P2	mg/kg	0.0027	0.00068	SW846 8260D	1	06/14/2024 14:49	TMP	A2
sec-Butylbenzene	0.00068U	U,P1,P2	mg/kg	0.0027	0.00068	SW846 8260D	1	06/14/2024 14:49	TMP	A2
Styrene	0.00068U	U,P1,P2	mg/kg	0.0027	0.00068	SW846 8260D	1	06/14/2024 14:49	TMP	A2
tert-Butylbenzene	0.00075U	U,P1,P2	mg/kg	0.0027	0.00075	SW846 8260D	1	06/14/2024 14:49	TMP	A2
Tetrachloroethene	0.00082U	U,P1,P2	mg/kg	0.0027	0.00082	SW846 8260D	1	06/14/2024 14:49	TMP	A2
Toluene	0.00092U	U,P1,P2	mg/kg	0.0027	0.00092	SW846 8260D	1	06/14/2024 14:49	TMP	A2
Total Xylenes	0.0019U	U,P1,P2	mg/kg	0.0082	0.0019	SW846 8260D	1	06/14/2024 14:49	TMP	A2
trans-1,2-Dichloroethene	0.00071U	U,P1,P2	mg/kg	0.0027	0.00071	SW846 8260D	1	06/14/2024 14:49	TMP	A2
trans-1,3-Dichloropropene	0.00079U	U,P1,P2	mg/kg	0.0027	0.00079	SW846 8260D	1	06/14/2024 14:49	TMP	A2
Trichloroethene	0.00068U	U,P1,P2	mg/kg	0.0027	0.00068	SW846 8260D	1	06/14/2024 14:49	TMP	A2
Trichlorofluoromethane	0.00068U	U,P1,P2	mg/kg	0.0027	0.00068	SW846 8260D	1	06/14/2024 14:49	TMP	A2
Vinyl Chloride	0.00068U	U,P1,P2	mg/kg	0.0027	0.00068	SW846 8260D	1	06/14/2024 14:49	TMP	A2

**SURROGATES**

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	115%	56 - 124	06/14/2024 14:49	
4-Bromofluorobenzene	460-00-4	101%	51 - 128	06/14/2024 14:49	
Dibromofluoromethane	1868-53-7	104%	62 - 123	06/14/2024 14:49	
Toluene-d8	2037-26-5	97.7%	59 - 131	06/14/2024 14:49	

**WET CHEMISTRY**

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Moisture	22.3	P1,P2	%	0.1	0.01	S2540G-11	1	06/10/2024 16:21	E1R	A
Total Solids	77.7	P1,P2	%	0.1	0.01	S2540G-11	1	06/10/2024 16:21	E1R	A



## Results

Client Sample ID	SB-01 (2-4)	Collected	06/05/2024 10:30
Lab Sample ID	3363483037	Lab Receipt	06/08/2024 08:37

### GASOLINE RANGE ORGANICS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Gasoline Range Organics	2.0U	U,P1,P2	mg/kg	11.9	2.0	SW846 8015D	100	06/14/2024 01:46	JTH	A1

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
a,a,a-Trifluorotoluene	98-08-8	105%	72 - 134	06/14/2024 01:46	

### PETROLEUM HC's

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Diesel Range Organics C10-C28	8.9J	J,P1,P2	mg/kg	11.4	3.1	SW846 8015D	1	06/15/2024 22:10	KJH	A

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
o-Terphenyl	84-15-1	87.2%	36 - 122	06/15/2024 22:10	

### SEMIVOLATILE SIM

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,4-Dioxane	0.0027U	U,P1,P2	mg/kg	0.0054	0.0027	SW846 8270E SIM	1	06/19/2024 16:32	S7M	A
1-Methylnaphthalene	0.0079	P1,P2	mg/kg	0.0054	0.00097	SW846 8270E SIM	1	06/19/2024 16:32	S7M	A
2-Methylnaphthalene	0.0096	P1,P2	mg/kg	0.0054	0.0014	SW846 8270E SIM	1	06/19/2024 16:32	S7M	A
Acenaphthene	0.00097U	U,P1,P2	mg/kg	0.0054	0.00097	SW846 8270E SIM	1	06/19/2024 16:32	S7M	A
Acenaphthylene	0.00097U	U,P1,P2	mg/kg	0.0054	0.00097	SW846 8270E SIM	1	06/19/2024 16:32	S7M	A
Anthracene	0.00086U	U,P1,P2	mg/kg	0.0054	0.00086	SW846 8270E SIM	1	06/19/2024 16:32	S7M	A
Benzo(a)anthracene	0.0054	P1,P2	mg/kg	0.0054	0.00086	SW846 8270E SIM	1	06/19/2024 16:32	S7M	A
Benzo(a)pyrene	0.0057	P1,P2	mg/kg	0.0054	0.00086	SW846 8270E SIM	1	06/19/2024 16:32	S7M	A
Benzo(b)fluoranthene	0.0080	P1,P2	mg/kg	0.0054	0.00086	SW846 8270E SIM	1	06/19/2024 16:32	S7M	A
Benzo(g,h,i)perylene	0.0053J	J,12,P1,P2	mg/kg	0.0054	0.0011	SW846 8270E SIM	1	06/19/2024 16:32	S7M	A
Benzo(k)fluoranthene	0.0073	P1,P2	mg/kg	0.0054	0.00097	SW846 8270E SIM	1	06/19/2024 16:32	S7M	A
Chrysene	0.0088	P1,P2	mg/kg	0.0054	0.00097	SW846 8270E SIM	1	06/19/2024 16:32	S7M	A
Dibenzo(a,h)anthracene	0.00075U	U,P1,P2	mg/kg	0.0054	0.00075	SW846 8270E SIM	1	06/19/2024 16:32	S7M	A
Fluoranthene	0.015	P1,P2	mg/kg	0.0054	0.00097	SW846 8270E SIM	1	06/19/2024 16:32	S7M	A
Fluorene	0.0011U	U,P1,P2	mg/kg	0.0054	0.0011	SW846 8270E SIM	1	06/19/2024 16:32	S7M	A
Indeno(1,2,3-cd)pyrene	0.0049J	J,P1,P2	mg/kg	0.0054	0.00086	SW846 8270E SIM	1	06/19/2024 16:32	S7M	A
Naphthalene	0.0078	P1,P2	mg/kg	0.0054	0.0012	SW846 8270E SIM	1	06/19/2024 16:32	S7M	A
Phenanthrene	0.012	P1,P2	mg/kg	0.0054	0.0012	SW846 8270E SIM	1	06/19/2024 16:32	S7M	A



## Results

Client Sample ID	SB-01 (2-4)	Collected	06/05/2024 10:30
Lab Sample ID	3363483037	Lab Receipt	06/08/2024 08:37

### SEMIVOLATILE SIM (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Pyrene	0.012	P1,P2	mg/kg	0.0054	0.00086	SW846 8270E SIM	1	06/19/2024 16:32	S7M	A

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
2-Methylnaphthalene-d10	7297-45-2	86.8%	50 - 150	06/19/2024 16:32	
Fluoranthene-d10	93951-69-0	93.7%	50 - 150	06/19/2024 16:32	

### SEMIVOLATILES

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1-Methylnaphthalene	0.018U	U,P1,P2	mg/kg	0.11	0.018	SW846 8270E	1	06/18/2024 08:20	S7M	A
2-Methylnaphthalene	0.018U	U,P1,P2	mg/kg	0.11	0.018	SW846 8270E	1	06/18/2024 08:20	S7M	A
Acenaphthene	0.018U	U,P1,P2	mg/kg	0.054	0.018	SW846 8270E	1	06/18/2024 08:20	S7M	A
Acenaphthylene	0.018U	U,P1,P2	mg/kg	0.054	0.018	SW846 8270E	1	06/18/2024 08:20	S7M	A
Anthracene	0.018U	U,P1,P2	mg/kg	0.054	0.018	SW846 8270E	1	06/18/2024 08:20	S7M	A
Benzo(a)anthracene	0.018U	U,P1,P2	mg/kg	0.054	0.018	SW846 8270E	1	06/18/2024 08:20	S7M	A
Benzo(a)pyrene	0.018U	U,P1,P2	mg/kg	0.054	0.018	SW846 8270E	1	06/18/2024 08:20	S7M	A
Benzo(b)fluoranthene	0.018U	U,P1,P2	mg/kg	0.054	0.018	SW846 8270E	1	06/18/2024 08:20	S7M	A
Benzo(g,h,i)perylene	0.018U	U,P1,P2	mg/kg	0.054	0.018	SW846 8270E	1	06/18/2024 08:20	S7M	A
Benzo(k)fluoranthene	0.018U	U,P1,P2	mg/kg	0.054	0.018	SW846 8270E	1	06/18/2024 08:20	S7M	A
Carbazole	0.018U	U,P1,P2	mg/kg	0.11	0.018	SW846 8270E	1	06/18/2024 08:20	S7M	A
Chrysene	0.018U	U,P1,P2	mg/kg	0.054	0.018	SW846 8270E	1	06/18/2024 08:20	S7M	A
Dibenzo(a,h)anthracene	0.018U	U,P1,P2	mg/kg	0.054	0.018	SW846 8270E	1	06/18/2024 08:20	S7M	A
Dibenzofuran	0.018U	U,P1,P2	mg/kg	0.11	0.018	SW846 8270E	1	06/18/2024 08:20	S7M	A
Fluoranthene	0.018U	U,P1,P2	mg/kg	0.054	0.018	SW846 8270E	1	06/18/2024 08:20	S7M	A
Fluorene	0.018U	U,P1,P2	mg/kg	0.054	0.018	SW846 8270E	1	06/18/2024 08:20	S7M	A
Indeno(1,2,3-cd)pyrene	0.018U	U,P1,P2	mg/kg	0.054	0.018	SW846 8270E	1	06/18/2024 08:20	S7M	A
Naphthalene	0.018U	U,P1,P2	mg/kg	0.054	0.018	SW846 8270E	1	06/18/2024 08:20	S7M	A
Phenanthrene	0.018U	U,P1,P2	mg/kg	0.054	0.018	SW846 8270E	1	06/18/2024 08:20	S7M	A
Pyrene	0.018U	U,P1,P2	mg/kg	0.054	0.018	SW846 8270E	1	06/18/2024 08:20	S7M	A

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
2,4,6-Tribromophenol	118-79-6	76.7%	19 - 132	06/18/2024 08:20	
2-Fluorobiphenyl	321-60-8	72.4%	40 - 110	06/18/2024 08:20	
2-Fluorophenol	367-12-4	72.6%	26 - 116	06/18/2024 08:20	
Nitrobenzene-d5	4165-60-0	82.6%	38 - 112	06/18/2024 08:20	
Phenol-d5	4165-62-2	79.1%	35 - 111	06/18/2024 08:20	
Terphenyl-d14	98904-43-9	87.5%	45 - 126	06/18/2024 08:20	

### VOLATILE ORGANICS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1-Trichloroethane	0.00075U	U,P1,P2	mg/kg	0.0024	0.00075	SW846 8260D	1	06/14/2024 15:15	TMP	A2



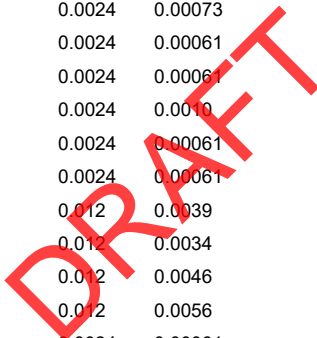


**Results**

Client Sample ID SB-01 (2-4) Collected 06/05/2024 10:30  
 Lab Sample ID 3363483037 Lab Receipt 06/08/2024 08:37

**VOLATILE ORGANICS (cont.)**

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,2,2-Tetrachloroethane	0.00068U	U,P1,P2	mg/kg	0.0024	0.00068	SW846 8260D	1	06/14/2024 15:15	TMP	A2
1,1,2-Trichloroethane	0.00068U	U,P1,P2	mg/kg	0.0024	0.00068	SW846 8260D	1	06/14/2024 15:15	TMP	A2
1,1-Dichloroethane	0.00061U	U,P1,P2	mg/kg	0.0024	0.00061	SW846 8260D	1	06/14/2024 15:15	TMP	A2
1,1-Dichloroethene	0.00063U	U,P1,P2	mg/kg	0.0024	0.00063	SW846 8260D	1	06/14/2024 15:15	TMP	A2
1,1-Dichloropropene	0.00061U	U,P1,P2	mg/kg	0.0024	0.00061	SW846 8260D	1	06/14/2024 15:15	TMP	A2
1,2,3-Trichlorobenzene	0.00061U	U,P1,P2	mg/kg	0.0061	0.00061	SW846 8260D	1	06/14/2024 15:15	TMP	A2
1,2,3-Trichloropropane	0.00061U	U,P1,P2	mg/kg	0.0024	0.00061	SW846 8260D	1	06/14/2024 15:15	TMP	A2
1,2,4-Trichlorobenzene	0.00061U	U,P1,P2	mg/kg	0.0061	0.00061	SW846 8260D	1	06/14/2024 15:15	TMP	A2
1,2,4-Trimethylbenzene	0.00061U	U,P1,P2	mg/kg	0.0024	0.00061	SW846 8260D	1	06/14/2024 15:15	TMP	A2
1,2-Dibromo-3-chloropropane	0.00030U	U,P1,P2	mg/kg	0.0024	0.00030	SW846 8260D	1	06/14/2024 15:15	TMP	A2
1,2-Dibromoethane	0.00065U	U,P1,P2	mg/kg	0.0024	0.00065	SW846 8260D	1	06/14/2024 15:15	TMP	A2
1,2-Dichlorobenzene	0.00061U	U,P1,P2	mg/kg	0.0024	0.00061	SW846 8260D	1	06/14/2024 15:15	TMP	A2
1,2-Dichloroethane	0.00061U	U,P1,P2	mg/kg	0.0024	0.00061	SW846 8260D	1	06/14/2024 15:15	TMP	A2
1,2-Dichloropropane	0.00073U	U,P1,P2	mg/kg	0.0024	0.00073	SW846 8260D	1	06/14/2024 15:15	TMP	A2
1,3,5-Trimethylbenzene	0.00061U	U,P1,P2	mg/kg	0.0024	0.00061	SW846 8260D	1	06/14/2024 15:15	TMP	A2
1,3-Dichlorobenzene	0.00061U	U,P1,P2	mg/kg	0.0024	0.00061	SW846 8260D	1	06/14/2024 15:15	TMP	A2
1,3-Dichloropropane	0.0010U	U,P1,P2	mg/kg	0.0024	0.0010	SW846 8260D	1	06/14/2024 15:15	TMP	A2
1,4-Dichlorobenzene	0.00061U	U,P1,P2	mg/kg	0.0024	0.00061	SW846 8260D	1	06/14/2024 15:15	TMP	A2
2,2-Dichloropropane	0.00061U	U,P1,P2	mg/kg	0.0024	0.00061	SW846 8260D	1	06/14/2024 15:15	TMP	A2
2-Butanone	0.014	P1,P2	mg/kg	0.012	0.0039	SW846 8260D	1	06/14/2024 15:15	TMP	A2
2-Hexanone	0.0034U	U,P1,P2	mg/kg	0.012	0.0034	SW846 8260D	1	06/14/2024 15:15	TMP	A2
4-Methyl-2-Pentanone(MIBK)	0.0046U	U,P1,P2	mg/kg	0.012	0.0046	SW846 8260D	1	06/14/2024 15:15	TMP	A2
Acetone	0.11	P1,P2	mg/kg	0.012	0.0056	SW846 8260D	1	06/14/2024 15:15	TMP	A2
Benzene	0.00061U	U,P1,P2	mg/kg	0.0024	0.00061	SW846 8260D	1	06/14/2024 15:15	TMP	A2
Bromobenzene	0.00061U	U,P1,P2	mg/kg	0.0024	0.00061	SW846 8260D	1	06/14/2024 15:15	TMP	A2
Bromochloromethane	0.00061U	U,P1,P2	mg/kg	0.0024	0.00061	SW846 8260D	1	06/14/2024 15:15	TMP	A2
Bromodichloromethane	0.00086U	U,P1,P2	mg/kg	0.0024	0.00086	SW846 8260D	1	06/14/2024 15:15	TMP	A2
Bromoform	0.00063U	U,P1,P2	mg/kg	0.0024	0.00063	SW846 8260D	1	06/14/2024 15:15	TMP	A2
Bromomethane	0.00063U	U,P1,P2	mg/kg	0.0024	0.00063	SW846 8260D	1	06/14/2024 15:15	TMP	A2
Carbon Disulfide	0.0015J	J,P1,P2	mg/kg	0.0024	0.00076	SW846 8260D	1	06/14/2024 15:15	TMP	A2
Carbon Tetrachloride	0.00062U	U,P1,P2	mg/kg	0.0024	0.00062	SW846 8260D	1	06/14/2024 15:15	TMP	A2
Chlorobenzene	0.00062U	U,P1,P2	mg/kg	0.0024	0.00062	SW846 8260D	1	06/14/2024 15:15	TMP	A2
Chlorodibromomethane	0.00082U	U,P1,P2	mg/kg	0.0024	0.00082	SW846 8260D	1	06/14/2024 15:15	TMP	A2
Chloroethane	0.0010U	U,P1,P2	mg/kg	0.0061	0.0010	SW846 8260D	1	06/14/2024 15:15	TMP	A2
Chloroform	0.00064U	U,P1,P2	mg/kg	0.0024	0.00064	SW846 8260D	1	06/14/2024 15:15	TMP	A2
Chloromethane	0.00067U	U,P1,P2	mg/kg	0.0024	0.00067	SW846 8260D	1	06/14/2024 15:15	TMP	A2
cis-1,2-Dichloroethene	0.00061U	U,P1,P2	mg/kg	0.0024	0.00061	SW846 8260D	1	06/14/2024 15:15	TMP	A2
cis-1,3-Dichloropropene	0.00067U	U,P1,P2	mg/kg	0.0024	0.00067	SW846 8260D	1	06/14/2024 15:15	TMP	A2
Dibromomethane	0.00087U	U,P1,P2	mg/kg	0.0024	0.00087	SW846 8260D	1	06/14/2024 15:15	TMP	A2
Dichlorodifluoromethane	0.00081U	U,P1,P2	mg/kg	0.0024	0.00081	SW846 8260D	1	06/14/2024 15:15	TMP	A2
Ethylbenzene	0.00082U	U,P1,P2	mg/kg	0.0024	0.00082	SW846 8260D	1	06/14/2024 15:15	TMP	A2
Freon 113	0.00061U	U,5,6,P1,P2	mg/kg	0.0024	0.00061	SW846 8260D	1	06/14/2024 15:15	TMP	A2
Hexachlorobutadiene	0.00061U	U,P1,P2	mg/kg	0.0061	0.00061	SW846 8260D	1	06/14/2024 15:15	TMP	A2
Isopropylbenzene	0.00074U	U,P1,P2	mg/kg	0.0024	0.00074	SW846 8260D	1	06/14/2024 15:15	TMP	A2
Methyl t-Butyl Ether	0.00061U	U,P1,P2	mg/kg	0.0024	0.00061	SW846 8260D	1	06/14/2024 15:15	TMP	A2
Methylene Chloride	0.0020J	J,P1,P2	mg/kg	0.0024	0.00094	SW846 8260D	1	06/14/2024 15:15	TMP	A2
mp-Xylene	0.0010U	U,P1,P2	mg/kg	0.0048	0.0010	SW846 8260D	1	06/14/2024 15:15	TMP	A2





**Results**

Client Sample ID	SB-01 (2-4)	Collected	06/05/2024 10:30
Lab Sample ID	3363483037	Lab Receipt	06/08/2024 08:37

**VOLATILE ORGANICS (cont.)**

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Naphthalene	0.00061U	U,P1,P2	mg/kg	0.0024	0.00061	SW846 8260D	1	06/14/2024 15:15	TMP	A2
n-Butylbenzene	0.00061U	U,4,P1,P2	mg/kg	0.0024	0.00061	SW846 8260D	1	06/14/2024 15:15	TMP	A2
n-Propylbenzene	0.00061U	U,P1,P2	mg/kg	0.0024	0.00061	SW846 8260D	1	06/14/2024 15:15	TMP	A2
o-Chlorotoluene	0.00061U	U,P1,P2	mg/kg	0.0024	0.00061	SW846 8260D	1	06/14/2024 15:15	TMP	A2
o-Xylene	0.00070U	U,P1,P2	mg/kg	0.0024	0.00070	SW846 8260D	1	06/14/2024 15:15	TMP	A2
p-Chlorotoluene	0.00061U	U,P1,P2	mg/kg	0.0024	0.00061	SW846 8260D	1	06/14/2024 15:15	TMP	A2
p-Isopropyltoluene	0.00061U	U,P1,P2	mg/kg	0.0024	0.00061	SW846 8260D	1	06/14/2024 15:15	TMP	A2
sec-Butylbenzene	0.00061U	U,P1,P2	mg/kg	0.0024	0.00061	SW846 8260D	1	06/14/2024 15:15	TMP	A2
Styrene	0.00061U	U,P1,P2	mg/kg	0.0024	0.00061	SW846 8260D	1	06/14/2024 15:15	TMP	A2
tert-Butylbenzene	0.00067U	U,P1,P2	mg/kg	0.0024	0.00067	SW846 8260D	1	06/14/2024 15:15	TMP	A2
Tetrachloroethene	0.00073U	U,P1,P2	mg/kg	0.0024	0.00073	SW846 8260D	1	06/14/2024 15:15	TMP	A2
Toluene	0.00081U	U,P1,P2	mg/kg	0.0024	0.00081	SW846 8260D	1	06/14/2024 15:15	TMP	A2
Total Xylenes	0.0017U	U,P1,P2	mg/kg	0.0073	0.0017	SW846 8260D	1	06/14/2024 15:15	TMP	A2
trans-1,2-Dichloroethene	0.00063U	U,P1,P2	mg/kg	0.0024	0.00063	SW846 8260D	1	06/14/2024 15:15	TMP	A2
trans-1,3-Dichloropropene	0.00070U	U,P1,P2	mg/kg	0.0024	0.00070	SW846 8260D	1	06/14/2024 15:15	TMP	A2
Trichloroethene	0.00061U	U,P1,P2	mg/kg	0.0024	0.00061	SW846 8260D	1	06/14/2024 15:15	TMP	A2
Trichlorofluoromethane	0.00061U	U,P1,P2	mg/kg	0.0024	0.00061	SW846 8260D	1	06/14/2024 15:15	TMP	A2
Vinyl Chloride	0.00061U	U,P1,P2	mg/kg	0.0024	0.00061	SW846 8260D	1	06/14/2024 15:15	TMP	A2

**SURROGATES**

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	111%	56 - 124	06/14/2024 15:15	
4-Bromofluorobenzene	460-00-4	101%	51 - 128	06/14/2024 15:15	
Dibromofluoromethane	1868-53-7	103%	62 - 123	06/14/2024 15:15	
Toluene-d8	2037-26-5	98.2%	59 - 131	06/14/2024 15:15	

**WET CHEMISTRY**

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Moisture	12.1	P1,P2	%	0.1	0.01	S2540G-11	1	06/10/2024 16:21	E1R	A
Total Solids	87.9	P1,P2	%	0.1	0.01	S2540G-11	1	06/10/2024 16:21	E1R	A



## Results

Client Sample ID	SB-01 (16-18)	Collected	06/05/2024 10:30
Lab Sample ID	3363483038	Lab Receipt	06/08/2024 08:37

### GASOLINE RANGE ORGANICS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Gasoline Range Organics	2.1U	U,P1,P2	mg/kg	12.4	2.1	SW846 8015D	100	06/14/2024 02:11	JTH	A1

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
a,a,a-Trifluorotoluene	98-08-8	106%	72 - 134	06/14/2024 02:11	

### PETROLEUM HC's

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Diesel Range Organics C10-C28	7.0J	J,P1,P2	mg/kg	12.6	3.4	SW846 8015D	1	06/15/2024 22:42	KJH	A

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
o-Terphenyl	84-15-1	104%	36 - 122	06/15/2024 22:42	

### SEMIVOLATILE SIM

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,4-Dioxane	0.0027U	U,P1,P2	mg/kg	0.0053	0.0027	SW846 8270E SIM	1	06/20/2024 07:12	S7M	A
1-Methylnaphthalene	0.00096U	U,P1,P2	mg/kg	0.0053	0.00096	SW846 8270E SIM	1	06/20/2024 07:12	S7M	A
2-Methylnaphthalene	0.0014U	U,P1,P2	mg/kg	0.0053	0.0014	SW846 8270E SIM	1	06/20/2024 07:12	S7M	A
Acenaphthene	0.00096U	U,P1,P2	mg/kg	0.0053	0.00096	SW846 8270E SIM	1	06/20/2024 07:12	S7M	A
Acenaphthylene	0.00096U	U,P1,P2	mg/kg	0.0053	0.00096	SW846 8270E SIM	1	06/20/2024 07:12	S7M	A
Anthracene	0.00085U	U,P1,P2	mg/kg	0.0053	0.00085	SW846 8270E SIM	1	06/20/2024 07:12	S7M	A
Benzo(a)anthracene	0.00085U	U,P1,P2	mg/kg	0.0053	0.00085	SW846 8270E SIM	1	06/20/2024 07:12	S7M	A
Benzo(a)pyrene	0.00085U	U,P1,P2	mg/kg	0.0053	0.00085	SW846 8270E SIM	1	06/20/2024 07:12	S7M	A
Benzo(b)fluoranthene	0.00085U	U,P1,P2	mg/kg	0.0053	0.00085	SW846 8270E SIM	1	06/20/2024 07:12	S7M	A
Benzo(g,h,i)perylene	0.0011U	U,12,P1,P2	mg/kg	0.0053	0.0011	SW846 8270E SIM	1	06/20/2024 07:12	S7M	A
Benzo(k)fluoranthene	0.00096U	U,P1,P2	mg/kg	0.0053	0.00096	SW846 8270E SIM	1	06/20/2024 07:12	S7M	A
Chrysene	0.00096U	U,P1,P2	mg/kg	0.0053	0.00096	SW846 8270E SIM	1	06/20/2024 07:12	S7M	A
Dibenzo(a,h)anthracene	0.00075U	U,P1,P2	mg/kg	0.0053	0.00075	SW846 8270E SIM	1	06/20/2024 07:12	S7M	A
Fluoranthene	0.00096U	U,P1,P2	mg/kg	0.0053	0.00096	SW846 8270E SIM	1	06/20/2024 07:12	S7M	A
Fluorene	0.0011U	U,P1,P2	mg/kg	0.0053	0.0011	SW846 8270E SIM	1	06/20/2024 07:12	S7M	A
Indeno(1,2,3-cd)pyrene	0.00085U	U,P1,P2	mg/kg	0.0053	0.00085	SW846 8270E SIM	1	06/20/2024 07:12	S7M	A
Naphthalene	0.0012U	U,P1,P2	mg/kg	0.0053	0.0012	SW846 8270E SIM	1	06/20/2024 07:12	S7M	A
Phenanthrene	0.0012U	U,P1,P2	mg/kg	0.0053	0.0012	SW846 8270E SIM	1	06/20/2024 07:12	S7M	A



## Results

Client Sample ID	SB-01 (16-18)	Collected	06/05/2024 10:30
Lab Sample ID	3363483038	Lab Receipt	06/08/2024 08:37

### SEMIVOLATILE SIM (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Pyrene	0.00085U	U,P1,P2	mg/kg	0.0053	0.00085	SW846 8270E SIM	1	06/20/2024 07:12	S7M	A

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
2-Methylnaphthalene-d10	7297-45-2	102%	50 - 150	06/20/2024 07:12	
Fluoranthene-d10	93951-69-0	116%	50 - 150	06/20/2024 07:12	

### SEMIVOLATILES

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1-Methylnaphthalene	0.018U	U,P1,P2	mg/kg	0.11	0.018	SW846 8270E	1	06/18/2024 08:45	S7M	A
2-Methylnaphthalene	0.018U	U,P1,P2	mg/kg	0.11	0.018	SW846 8270E	1	06/18/2024 08:45	S7M	A
Acenaphthene	0.018U	U,P1,P2	mg/kg	0.053	0.018	SW846 8270E	1	06/18/2024 08:45	S7M	A
Acenaphthylene	0.018U	U,P1,P2	mg/kg	0.053	0.018	SW846 8270E	1	06/18/2024 08:45	S7M	A
Anthracene	0.018U	U,P1,P2	mg/kg	0.053	0.018	SW846 8270E	1	06/18/2024 08:45	S7M	A
Benzo(a)anthracene	0.018U	U,P1,P2	mg/kg	0.053	0.018	SW846 8270E	1	06/18/2024 08:45	S7M	A
Benzo(a)pyrene	0.018U	U,P1,P2	mg/kg	0.053	0.018	SW846 8270E	1	06/18/2024 08:45	S7M	A
Benzo(b)fluoranthene	0.018U	U,P1,P2	mg/kg	0.053	0.018	SW846 8270E	1	06/18/2024 08:45	S7M	A
Benzo(g,h,i)perylene	0.018U	U,P1,P2	mg/kg	0.053	0.018	SW846 8270E	1	06/18/2024 08:45	S7M	A
Benzo(k)fluoranthene	0.018U	U,P1,P2	mg/kg	0.053	0.018	SW846 8270E	1	06/18/2024 08:45	S7M	A
Carbazole	0.018U	U,P1,P2	mg/kg	0.11	0.018	SW846 8270E	1	06/18/2024 08:45	S7M	A
Chrysene	0.018U	U,P1,P2	mg/kg	0.053	0.018	SW846 8270E	1	06/18/2024 08:45	S7M	A
Dibenzo(a,h)anthracene	0.018U	U,P1,P2	mg/kg	0.053	0.018	SW846 8270E	1	06/18/2024 08:45	S7M	A
Dibenzofuran	0.018U	U,P1,P2	mg/kg	0.11	0.018	SW846 8270E	1	06/18/2024 08:45	S7M	A
Fluoranthene	0.018U	U,P1,P2	mg/kg	0.053	0.018	SW846 8270E	1	06/18/2024 08:45	S7M	A
Fluorene	0.018U	U,P1,P2	mg/kg	0.053	0.018	SW846 8270E	1	06/18/2024 08:45	S7M	A
Indeno(1,2,3-cd)pyrene	0.018U	U,P1,P2	mg/kg	0.053	0.018	SW846 8270E	1	06/18/2024 08:45	S7M	A
Naphthalene	0.018U	U,P1,P2	mg/kg	0.053	0.018	SW846 8270E	1	06/18/2024 08:45	S7M	A
Phenanthrene	0.018U	U,P1,P2	mg/kg	0.053	0.018	SW846 8270E	1	06/18/2024 08:45	S7M	A
Pyrene	0.018U	U,P1,P2	mg/kg	0.053	0.018	SW846 8270E	1	06/18/2024 08:45	S7M	A

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
2,4,6-Tribromophenol	118-79-6	76.5%	19 - 132	06/18/2024 08:45	
2-Fluorobiphenyl	321-60-8	72.5%	40 - 110	06/18/2024 08:45	
2-Fluorophenol	367-12-4	74%	26 - 116	06/18/2024 08:45	
Nitrobenzene-d5	4165-60-0	83.3%	38 - 112	06/18/2024 08:45	
Phenol-d5	4165-62-2	80.9%	35 - 111	06/18/2024 08:45	
Terphenyl-d14	98904-43-9	90.7%	45 - 126	06/18/2024 08:45	

### VOLATILE ORGANICS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1-Trichloroethane	0.00067U	U,P1,P2	mg/kg	0.0022	0.00067	SW846 8260D	1	06/14/2024 15:40	TMP	A2

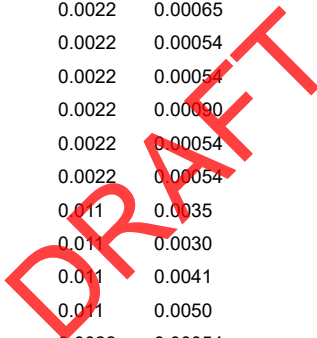


**Results**

Client Sample ID SB-01 (16-18) Collected 06/05/2024 10:30  
 Lab Sample ID 3363483038 Lab Receipt 06/08/2024 08:37

**VOLATILE ORGANICS (cont.)**

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,2,2-Tetrachloroethane	0.00061U	U,P1,P2	mg/kg	0.0022	0.00061	SW846 8260D	1	06/14/2024 15:40	TMP	A2
1,1,2-Trichloroethane	0.00061U	U,P1,P2	mg/kg	0.0022	0.00061	SW846 8260D	1	06/14/2024 15:40	TMP	A2
1,1-Dichloroethane	0.00054U	U,P1,P2	mg/kg	0.0022	0.00054	SW846 8260D	1	06/14/2024 15:40	TMP	A2
1,1-Dichloroethene	0.00057U	U,P1,P2	mg/kg	0.0022	0.00057	SW846 8260D	1	06/14/2024 15:40	TMP	A2
1,1-Dichloropropene	0.00054U	U,P1,P2	mg/kg	0.0022	0.00054	SW846 8260D	1	06/14/2024 15:40	TMP	A2
1,2,3-Trichlorobenzene	0.00054U	U,P1,P2	mg/kg	0.0054	0.00054	SW846 8260D	1	06/14/2024 15:40	TMP	A2
1,2,3-Trichloropropane	0.00054U	U,P1,P2	mg/kg	0.0022	0.00054	SW846 8260D	1	06/14/2024 15:40	TMP	A2
1,2,4-Trichlorobenzene	0.00054U	U,P1,P2	mg/kg	0.0054	0.00054	SW846 8260D	1	06/14/2024 15:40	TMP	A2
1,2,4-Trimethylbenzene	0.00054U	U,P1,P2	mg/kg	0.0022	0.00054	SW846 8260D	1	06/14/2024 15:40	TMP	A2
1,2-Dibromo-3-chloropropane	0.00027U	U,P1,P2	mg/kg	0.0022	0.00027	SW846 8260D	1	06/14/2024 15:40	TMP	A2
1,2-Dibromoethane	0.00059U	U,P1,P2	mg/kg	0.0022	0.00059	SW846 8260D	1	06/14/2024 15:40	TMP	A2
1,2-Dichlorobenzene	0.00054U	U,P1,P2	mg/kg	0.0022	0.00054	SW846 8260D	1	06/14/2024 15:40	TMP	A2
1,2-Dichloroethane	0.00054U	U,P1,P2	mg/kg	0.0022	0.00054	SW846 8260D	1	06/14/2024 15:40	TMP	A2
1,2-Dichloropropane	0.00065U	U,P1,P2	mg/kg	0.0022	0.00065	SW846 8260D	1	06/14/2024 15:40	TMP	A2
1,3,5-Trimethylbenzene	0.00054U	U,P1,P2	mg/kg	0.0022	0.00054	SW846 8260D	1	06/14/2024 15:40	TMP	A2
1,3-Dichlorobenzene	0.00054U	U,P1,P2	mg/kg	0.0022	0.00054	SW846 8260D	1	06/14/2024 15:40	TMP	A2
1,3-Dichloropropane	0.00090U	U,P1,P2	mg/kg	0.0022	0.00090	SW846 8260D	1	06/14/2024 15:40	TMP	A2
1,4-Dichlorobenzene	0.00054U	U,P1,P2	mg/kg	0.0022	0.00054	SW846 8260D	1	06/14/2024 15:40	TMP	A2
2,2-Dichloropropane	0.00054U	U,P1,P2	mg/kg	0.0022	0.00054	SW846 8260D	1	06/14/2024 15:40	TMP	A2
2-Butanone	0.0035U	U,P1,P2	mg/kg	0.011	0.0035	SW846 8260D	1	06/14/2024 15:40	TMP	A2
2-Hexanone	0.0030U	U,P1,P2	mg/kg	0.011	0.0030	SW846 8260D	1	06/14/2024 15:40	TMP	A2
4-Methyl-2-Pentanone(MIBK)	0.0041U	U,P1,P2	mg/kg	0.011	0.0041	SW846 8260D	1	06/14/2024 15:40	TMP	A2
Acetone	0.027	P1,P2	mg/kg	0.011	0.0050	SW846 8260D	1	06/14/2024 15:40	TMP	A2
Benzene	0.00054U	U,P1,P2	mg/kg	0.0022	0.00054	SW846 8260D	1	06/14/2024 15:40	TMP	A2
Bromobenzene	0.00054U	U,P1,P2	mg/kg	0.0022	0.00054	SW846 8260D	1	06/14/2024 15:40	TMP	A2
Bromochloromethane	0.00054U	U,P1,P2	mg/kg	0.0022	0.00054	SW846 8260D	1	06/14/2024 15:40	TMP	A2
Bromodichloromethane	0.00077U	U,P1,P2	mg/kg	0.0022	0.00077	SW846 8260D	1	06/14/2024 15:40	TMP	A2
Bromoform	0.00057U	U,P1,P2	mg/kg	0.0022	0.00057	SW846 8260D	1	06/14/2024 15:40	TMP	A2
Bromomethane	0.00057U	U,P1,P2	mg/kg	0.0022	0.00057	SW846 8260D	1	06/14/2024 15:40	TMP	A2
Carbon Disulfide	0.00069U	U,P1,P2	mg/kg	0.0022	0.00069	SW846 8260D	1	06/14/2024 15:40	TMP	A2
Carbon Tetrachloride	0.00055U	U,P1,P2	mg/kg	0.0022	0.00055	SW846 8260D	1	06/14/2024 15:40	TMP	A2
Chlorobenzene	0.00055U	U,P1,P2	mg/kg	0.0022	0.00055	SW846 8260D	1	06/14/2024 15:40	TMP	A2
Chlorodibromomethane	0.00074U	U,P1,P2	mg/kg	0.0022	0.00074	SW846 8260D	1	06/14/2024 15:40	TMP	A2
Chloroethane	0.00092U	U,P1,P2	mg/kg	0.0054	0.00092	SW846 8260D	1	06/14/2024 15:40	TMP	A2
Chloroform	0.00058U	U,P1,P2	mg/kg	0.0022	0.00058	SW846 8260D	1	06/14/2024 15:40	TMP	A2
Chloromethane	0.00060U	U,P1,P2	mg/kg	0.0022	0.00060	SW846 8260D	1	06/14/2024 15:40	TMP	A2
cis-1,2-Dichloroethene	0.00054U	U,P1,P2	mg/kg	0.0022	0.00054	SW846 8260D	1	06/14/2024 15:40	TMP	A2
cis-1,3-Dichloropropene	0.00060U	U,P1,P2	mg/kg	0.0022	0.00060	SW846 8260D	1	06/14/2024 15:40	TMP	A2
Dibromomethane	0.00078U	U,P1,P2	mg/kg	0.0022	0.00078	SW846 8260D	1	06/14/2024 15:40	TMP	A2
Dichlorodifluoromethane	0.00073U	U,P1,P2	mg/kg	0.0022	0.00073	SW846 8260D	1	06/14/2024 15:40	TMP	A2
Ethylbenzene	0.00074U	U,P1,P2	mg/kg	0.0022	0.00074	SW846 8260D	1	06/14/2024 15:40	TMP	A2
Freon 113	0.00054U	U,5,6,P1,P2	mg/kg	0.0022	0.00054	SW846 8260D	1	06/14/2024 15:40	TMP	A2
Hexachlorobutadiene	0.00054U	U,P1,P2	mg/kg	0.0054	0.00054	SW846 8260D	1	06/14/2024 15:40	TMP	A2
Isopropylbenzene	0.00066U	U,P1,P2	mg/kg	0.0022	0.00066	SW846 8260D	1	06/14/2024 15:40	TMP	A2
Methyl t-Butyl Ether	0.00054U	U,P1,P2	mg/kg	0.0022	0.00054	SW846 8260D	1	06/14/2024 15:40	TMP	A2
Methylene Chloride	0.0014J	J,P1,P2	mg/kg	0.0022	0.00085	SW846 8260D	1	06/14/2024 15:40	TMP	A2
mp-Xylene	0.00090U	U,P1,P2	mg/kg	0.0044	0.00090	SW846 8260D	1	06/14/2024 15:40	TMP	A2





## Results

Client Sample ID	SB-01 (16-18)	Collected	06/05/2024 10:30
Lab Sample ID	3363483038	Lab Receipt	06/08/2024 08:37

### VOLATILE ORGANICS (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Naphthalene	0.00054U	U,P1,P2	mg/kg	0.0022	0.00054	SW846 8260D	1	06/14/2024 15:40	TMP	A2
n-Butylbenzene	0.00054U	U,4,P1,P2	mg/kg	0.0022	0.00054	SW846 8260D	1	06/14/2024 15:40	TMP	A2
n-Propylbenzene	0.00054U	U,P1,P2	mg/kg	0.0022	0.00054	SW846 8260D	1	06/14/2024 15:40	TMP	A2
o-Chlorotoluene	0.00054U	U,P1,P2	mg/kg	0.0022	0.00054	SW846 8260D	1	06/14/2024 15:40	TMP	A2
o-Xylene	0.00063U	U,P1,P2	mg/kg	0.0022	0.00063	SW846 8260D	1	06/14/2024 15:40	TMP	A2
p-Chlorotoluene	0.00054U	U,P1,P2	mg/kg	0.0022	0.00054	SW846 8260D	1	06/14/2024 15:40	TMP	A2
p-Isopropyltoluene	0.00054U	U,P1,P2	mg/kg	0.0022	0.00054	SW846 8260D	1	06/14/2024 15:40	TMP	A2
sec-Butylbenzene	0.00054U	U,P1,P2	mg/kg	0.0022	0.00054	SW846 8260D	1	06/14/2024 15:40	TMP	A2
Styrene	0.00054U	U,P1,P2	mg/kg	0.0022	0.00054	SW846 8260D	1	06/14/2024 15:40	TMP	A2
tert-Butylbenzene	0.00060U	U,P1,P2	mg/kg	0.0022	0.00060	SW846 8260D	1	06/14/2024 15:40	TMP	A2
Tetrachloroethene	0.00065U	U,P1,P2	mg/kg	0.0022	0.00065	SW846 8260D	1	06/14/2024 15:40	TMP	A2
Toluene	0.00073U	U,P1,P2	mg/kg	0.0022	0.00073	SW846 8260D	1	06/14/2024 15:40	TMP	A2
Total Xylenes	0.0015U	U,P1,P2	mg/kg	0.0065	0.0015	SW846 8260D	1	06/14/2024 15:40	TMP	A2
trans-1,2-Dichloroethene	0.00057U	U,P1,P2	mg/kg	0.0022	0.00057	SW846 8260D	1	06/14/2024 15:40	TMP	A2
trans-1,3-Dichloropropene	0.00063U	U,P1,P2	mg/kg	0.0022	0.00063	SW846 8260D	1	06/14/2024 15:40	TMP	A2
Trichloroethene	0.00054U	U,P1,P2	mg/kg	0.0022	0.00054	SW846 8260D	1	06/14/2024 15:40	TMP	A2
Trichlorofluoromethane	0.00054U	U,P1,P2	mg/kg	0.0022	0.00054	SW846 8260D	1	06/14/2024 15:40	TMP	A2
Vinyl Chloride	0.00054U	U,P1,P2	mg/kg	0.0022	0.00054	SW846 8260D	1	06/14/2024 15:40	TMP	A2

### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	112%	56 - 124	06/14/2024 15:40	
4-Bromofluorobenzene	460-00-4	101%	51 - 128	06/14/2024 15:40	
Dibromofluoromethane	1868-53-7	101%	62 - 123	06/14/2024 15:40	
Toluene-d8	2037-26-5	97.8%	59 - 131	06/14/2024 15:40	

### WET CHEMISTRY

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Moisture	16.3	P1,P2	%	0.1	0.01	S2540G-11	1	06/10/2024 16:21	E1R	A
Total Solids	83.7	P1,P2	%	0.1	0.01	S2540G-11	1	06/10/2024 16:21	E1R	A





## Results

Client Sample ID	SB-19 (2-4)	Collected	06/05/2024 10:55
Lab Sample ID	3363483039	Lab Receipt	06/08/2024 08:37

### GASOLINE RANGE ORGANICS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Gasoline Range Organics	2.2U	U,P1,P2	mg/kg	12.7	2.2	SW846 8015D	100	06/14/2024 10:29	JTH	A1

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
a,a,a-Trifluorotoluene	98-08-8	111%	72 - 134	06/14/2024 10:29	

### PETROLEUM HC's

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Diesel Range Organics C10-C28	7.0J	J,P1,P2	mg/kg	13.0	3.6	SW846 8015D	1	06/15/2024 23:14	KJH	A

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
o-Terphenyl	84-15-1	84.4%	36 - 122	06/15/2024 23:14	

### SEMIVOLATILE SIM

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,4-Dioxane	0.0027U	U,P1,P2	mg/kg	0.0054	0.0027	SW846 8270E SIM	1	06/20/2024 07:38	S7M	A
1-Methylnaphthalene	0.0096	P1,P2	mg/kg	0.0054	0.00098	SW846 8270E SIM	1	06/20/2024 07:38	S7M	A
2-Methylnaphthalene	0.011	P1,P2	mg/kg	0.0054	0.0014	SW846 8270E SIM	1	06/20/2024 07:38	S7M	A
Acenaphthene	0.00098U	U,P1,P2	mg/kg	0.0054	0.00098	SW846 8270E SIM	1	06/20/2024 07:38	S7M	A
Acenaphthylene	0.00098U	U,P1,P2	mg/kg	0.0054	0.00098	SW846 8270E SIM	1	06/20/2024 07:38	S7M	A
Anthracene	0.00087U	U,P1,P2	mg/kg	0.0054	0.00087	SW846 8270E SIM	1	06/20/2024 07:38	S7M	A
Benzo(a)anthracene	0.00087U	U,P1,P2	mg/kg	0.0054	0.00087	SW846 8270E SIM	1	06/20/2024 07:38	S7M	A
Benzo(a)pyrene	0.00087U	U,P1,P2	mg/kg	0.0054	0.00087	SW846 8270E SIM	1	06/20/2024 07:38	S7M	A
Benzo(b)fluoranthene	0.00087U	U,P1,P2	mg/kg	0.0054	0.00087	SW846 8270E SIM	1	06/20/2024 07:38	S7M	A
Benzo(g,h,i)perylene	0.0037J	J,12,P1,P2	mg/kg	0.0054	0.0011	SW846 8270E SIM	1	06/20/2024 07:38	S7M	A
Benzo(k)fluoranthene	0.00098U	U,P1,P2	mg/kg	0.0054	0.00098	SW846 8270E SIM	1	06/20/2024 07:38	S7M	A
Chrysene	0.0043J	J,P1,P2	mg/kg	0.0054	0.00098	SW846 8270E SIM	1	06/20/2024 07:38	S7M	A
Dibenzo(a,h)anthracene	0.00076U	U,P1,P2	mg/kg	0.0054	0.00076	SW846 8270E SIM	1	06/20/2024 07:38	S7M	A
Fluoranthene	0.0066	P1,P2	mg/kg	0.0054	0.00098	SW846 8270E SIM	1	06/20/2024 07:38	S7M	A
Fluorene	0.0011U	U,P1,P2	mg/kg	0.0054	0.0011	SW846 8270E SIM	1	06/20/2024 07:38	S7M	A
Indeno(1,2,3-cd)pyrene	0.00087U	U,P1,P2	mg/kg	0.0054	0.00087	SW846 8270E SIM	1	06/20/2024 07:38	S7M	A
Naphthalene	0.0067	P1,P2	mg/kg	0.0054	0.0012	SW846 8270E SIM	1	06/20/2024 07:38	S7M	A
Phenanthrene	0.0097	P1,P2	mg/kg	0.0054	0.0012	SW846 8270E SIM	1	06/20/2024 07:38	S7M	A



## Results

Client Sample ID	SB-19 (2-4)	Collected	06/05/2024 10:55
Lab Sample ID	3363483039	Lab Receipt	06/08/2024 08:37

### SEMIVOLATILE SIM (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Pyrene	0.0051J	J,P1,P2	mg/kg	0.0054	0.00087	SW846 8270E SIM	1	06/20/2024 07:38	S7M	A

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
2-Methylnaphthalene-d10	7297-45-2	100%	50 - 150	06/20/2024 07:38	
Fluoranthene-d10	93951-69-0	108%	50 - 150	06/20/2024 07:38	

### SEMIVOLATILES

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1-Methylnaphthalene	0.019U	U,P1,P2	mg/kg	0.11	0.019	SW846 8270E	1	06/18/2024 09:10	S7M	A
2-Methylnaphthalene	0.019U	U,P1,P2	mg/kg	0.11	0.019	SW846 8270E	1	06/18/2024 09:10	S7M	A
Acenaphthene	0.019U	U,P1,P2	mg/kg	0.054	0.019	SW846 8270E	1	06/18/2024 09:10	S7M	A
Acenaphthylene	0.019U	U,P1,P2	mg/kg	0.054	0.019	SW846 8270E	1	06/18/2024 09:10	S7M	A
Anthracene	0.019U	U,P1,P2	mg/kg	0.054	0.019	SW846 8270E	1	06/18/2024 09:10	S7M	A
Benzo(a)anthracene	0.019U	U,P1,P2	mg/kg	0.054	0.019	SW846 8270E	1	06/18/2024 09:10	S7M	A
Benzo(a)pyrene	0.019U	U,P1,P2	mg/kg	0.054	0.019	SW846 8270E	1	06/18/2024 09:10	S7M	A
Benzo(b)fluoranthene	0.019U	U,P1,P2	mg/kg	0.054	0.019	SW846 8270E	1	06/18/2024 09:10	S7M	A
Benzo(g,h,i)perylene	0.019U	U,P1,P2	mg/kg	0.054	0.019	SW846 8270E	1	06/18/2024 09:10	S7M	A
Benzo(k)fluoranthene	0.019U	U,P1,P2	mg/kg	0.054	0.019	SW846 8270E	1	06/18/2024 09:10	S7M	A
Carbazole	0.019U	U,P1,P2	mg/kg	0.11	0.019	SW846 8270E	1	06/18/2024 09:10	S7M	A
Chrysene	0.019U	U,P1,P2	mg/kg	0.054	0.019	SW846 8270E	1	06/18/2024 09:10	S7M	A
Dibenzo(a,h)anthracene	0.019U	U,P1,P2	mg/kg	0.054	0.019	SW846 8270E	1	06/18/2024 09:10	S7M	A
Dibenzofuran	0.019U	U,P1,P2	mg/kg	0.11	0.019	SW846 8270E	1	06/18/2024 09:10	S7M	A
Fluoranthene	0.019U	U,P1,P2	mg/kg	0.054	0.019	SW846 8270E	1	06/18/2024 09:10	S7M	A
Fluorene	0.019U	U,P1,P2	mg/kg	0.054	0.019	SW846 8270E	1	06/18/2024 09:10	S7M	A
Indeno(1,2,3-cd)pyrene	0.019U	U,P1,P2	mg/kg	0.054	0.019	SW846 8270E	1	06/18/2024 09:10	S7M	A
Naphthalene	0.019U	U,P1,P2	mg/kg	0.054	0.019	SW846 8270E	1	06/18/2024 09:10	S7M	A
Phenanthrene	0.019U	U,P1,P2	mg/kg	0.054	0.019	SW846 8270E	1	06/18/2024 09:10	S7M	A
Pyrene	0.019U	U,P1,P2	mg/kg	0.054	0.019	SW846 8270E	1	06/18/2024 09:10	S7M	A

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
2,4,6-Tribromophenol	118-79-6	75.6%	19 - 132	06/18/2024 09:10	
2-Fluorobiphenyl	321-60-8	69.7%	40 - 110	06/18/2024 09:10	
2-Fluorophenol	367-12-4	71.9%	26 - 116	06/18/2024 09:10	
Nitrobenzene-d5	4165-60-0	80.6%	38 - 112	06/18/2024 09:10	
Phenol-d5	4165-62-2	77.7%	35 - 111	06/18/2024 09:10	
Terphenyl-d14	98904-43-9	88.6%	45 - 126	06/18/2024 09:10	

### VOLATILE ORGANICS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1-Trichloroethane	0.00082U	U,P1,P2	mg/kg	0.0026	0.00082	SW846 8260D	1	06/14/2024 16:06	TMP	A2

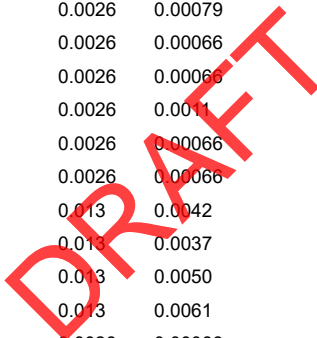


**Results**

Client Sample ID SB-19 (2-4) Collected 06/05/2024 10:55  
 Lab Sample ID 3363483039 Lab Receipt 06/08/2024 08:37

**VOLATILE ORGANICS (cont.)**

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,2,2-Tetrachloroethane	0.00074U	U,P1,P2	mg/kg	0.0026	0.00074	SW846 8260D	1	06/14/2024 16:06	TMP	A2
1,1,2-Trichloroethane	0.00074U	U,P1,P2	mg/kg	0.0026	0.00074	SW846 8260D	1	06/14/2024 16:06	TMP	A2
1,1-Dichloroethane	0.00066U	U,P1,P2	mg/kg	0.0026	0.00066	SW846 8260D	1	06/14/2024 16:06	TMP	A2
1,1-Dichloroethene	0.00069U	U,P1,P2	mg/kg	0.0026	0.00069	SW846 8260D	1	06/14/2024 16:06	TMP	A2
1,1-Dichloropropene	0.00066U	U,P1,P2	mg/kg	0.0026	0.00066	SW846 8260D	1	06/14/2024 16:06	TMP	A2
1,2,3-Trichlorobenzene	0.00066U	U,P1,P2	mg/kg	0.0066	0.00066	SW846 8260D	1	06/14/2024 16:06	TMP	A2
1,2,3-Trichloropropane	0.00066U	U,P1,P2	mg/kg	0.0026	0.00066	SW846 8260D	1	06/14/2024 16:06	TMP	A2
1,2,4-Trichlorobenzene	0.00066U	U,P1,P2	mg/kg	0.0066	0.00066	SW846 8260D	1	06/14/2024 16:06	TMP	A2
1,2,4-Trimethylbenzene	0.00066U	U,P1,P2	mg/kg	0.0026	0.00066	SW846 8260D	1	06/14/2024 16:06	TMP	A2
1,2-Dibromo-3-chloropropane	0.00033U	U,P1,P2	mg/kg	0.0026	0.00033	SW846 8260D	1	06/14/2024 16:06	TMP	A2
1,2-Dibromoethane	0.00072U	U,P1,P2	mg/kg	0.0026	0.00072	SW846 8260D	1	06/14/2024 16:06	TMP	A2
1,2-Dichlorobenzene	0.00066U	U,P1,P2	mg/kg	0.0026	0.00066	SW846 8260D	1	06/14/2024 16:06	TMP	A2
1,2-Dichloroethane	0.00066U	U,P1,P2	mg/kg	0.0026	0.00066	SW846 8260D	1	06/14/2024 16:06	TMP	A2
1,2-Dichloropropane	0.00079U	U,P1,P2	mg/kg	0.0026	0.00079	SW846 8260D	1	06/14/2024 16:06	TMP	A2
1,3,5-Trimethylbenzene	0.00066U	U,P1,P2	mg/kg	0.0026	0.00066	SW846 8260D	1	06/14/2024 16:06	TMP	A2
1,3-Dichlorobenzene	0.00066U	U,P1,P2	mg/kg	0.0026	0.00066	SW846 8260D	1	06/14/2024 16:06	TMP	A2
1,3-Dichloropropane	0.0011U	U,P1,P2	mg/kg	0.0026	0.0011	SW846 8260D	1	06/14/2024 16:06	TMP	A2
1,4-Dichlorobenzene	0.00066U	U,P1,P2	mg/kg	0.0026	0.00066	SW846 8260D	1	06/14/2024 16:06	TMP	A2
2,2-Dichloropropane	0.00066U	U,P1,P2	mg/kg	0.0026	0.00066	SW846 8260D	1	06/14/2024 16:06	TMP	A2
2-Butanone	0.0076J	J,P1,P2	mg/kg	0.013	0.0042	SW846 8260D	1	06/14/2024 16:06	TMP	A2
2-Hexanone	0.0037U	U,P1,P2	mg/kg	0.013	0.0037	SW846 8260D	1	06/14/2024 16:06	TMP	A2
4-Methyl-2-Pentanone(MIBK)	0.0050U	U,P1,P2	mg/kg	0.013	0.0050	SW846 8260D	1	06/14/2024 16:06	TMP	A2
Acetone	0.069	P1,P2	mg/kg	0.013	0.0061	SW846 8260D	1	06/14/2024 16:06	TMP	A2
Benzene	0.00066U	U,P1,P2	mg/kg	0.0026	0.00066	SW846 8260D	1	06/14/2024 16:06	TMP	A2
Bromobenzene	0.00066U	U,P1,P2	mg/kg	0.0026	0.00066	SW846 8260D	1	06/14/2024 16:06	TMP	A2
Bromochloromethane	0.00066U	U,P1,P2	mg/kg	0.0026	0.00066	SW846 8260D	1	06/14/2024 16:06	TMP	A2
Bromodichloromethane	0.00094U	U,P1,P2	mg/kg	0.0026	0.00094	SW846 8260D	1	06/14/2024 16:06	TMP	A2
Bromoform	0.00069U	U,P1,P2	mg/kg	0.0026	0.00069	SW846 8260D	1	06/14/2024 16:06	TMP	A2
Bromomethane	0.00069U	U,P1,P2	mg/kg	0.0026	0.00069	SW846 8260D	1	06/14/2024 16:06	TMP	A2
Carbon Disulfide	0.00083U	U,P1,P2	mg/kg	0.0026	0.00083	SW846 8260D	1	06/14/2024 16:06	TMP	A2
Carbon Tetrachloride	0.00068U	U,P1,P2	mg/kg	0.0026	0.00068	SW846 8260D	1	06/14/2024 16:06	TMP	A2
Chlorobenzene	0.00068U	U,P1,P2	mg/kg	0.0026	0.00068	SW846 8260D	1	06/14/2024 16:06	TMP	A2
Chlorodibromomethane	0.00090U	U,P1,P2	mg/kg	0.0026	0.00090	SW846 8260D	1	06/14/2024 16:06	TMP	A2
Chloroethane	0.0011U	U,P1,P2	mg/kg	0.0066	0.0011	SW846 8260D	1	06/14/2024 16:06	TMP	A2
Chloroform	0.00070U	U,P1,P2	mg/kg	0.0026	0.00070	SW846 8260D	1	06/14/2024 16:06	TMP	A2
Chloromethane	0.00073U	U,P1,P2	mg/kg	0.0026	0.00073	SW846 8260D	1	06/14/2024 16:06	TMP	A2
cis-1,2-Dichloroethene	0.00066U	U,P1,P2	mg/kg	0.0026	0.00066	SW846 8260D	1	06/14/2024 16:06	TMP	A2
cis-1,3-Dichloropropene	0.00073U	U,P1,P2	mg/kg	0.0026	0.00073	SW846 8260D	1	06/14/2024 16:06	TMP	A2
Dibromomethane	0.00095U	U,P1,P2	mg/kg	0.0026	0.00095	SW846 8260D	1	06/14/2024 16:06	TMP	A2
Dichlorodifluoromethane	0.00089U	U,P1,P2	mg/kg	0.0026	0.00089	SW846 8260D	1	06/14/2024 16:06	TMP	A2
Ethylbenzene	0.00090U	U,P1,P2	mg/kg	0.0026	0.00090	SW846 8260D	1	06/14/2024 16:06	TMP	A2
Freon 113	0.00066U	U,5,6,P1,P2	mg/kg	0.0026	0.00066	SW846 8260D	1	06/14/2024 16:06	TMP	A2
Hexachlorobutadiene	0.00066U	U,P1,P2	mg/kg	0.0066	0.00066	SW846 8260D	1	06/14/2024 16:06	TMP	A2
Isopropylbenzene	0.00081U	U,P1,P2	mg/kg	0.0026	0.00081	SW846 8260D	1	06/14/2024 16:06	TMP	A2
Methyl t-Butyl Ether	0.00066U	U,P1,P2	mg/kg	0.0026	0.00066	SW846 8260D	1	06/14/2024 16:06	TMP	A2
Methylene Chloride	0.0010U	U,P1,P2	mg/kg	0.0026	0.0010	SW846 8260D	1	06/14/2024 16:06	TMP	A2
mp-Xylene	0.0011U	U,P1,P2	mg/kg	0.0053	0.0011	SW846 8260D	1	06/14/2024 16:06	TMP	A2





**Results**

Client Sample ID	SB-19 (2-4)	Collected	06/05/2024 10:55
Lab Sample ID	3363483039	Lab Receipt	06/08/2024 08:37

**VOLATILE ORGANICS (cont.)**

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Naphthalene	0.00066U	U,P1,P2	mg/kg	0.0026	0.00066	SW846 8260D	1	06/14/2024 16:06	TMP	A2
n-Butylbenzene	0.00066U	U,4,P1,P2	mg/kg	0.0026	0.00066	SW846 8260D	1	06/14/2024 16:06	TMP	A2
n-Propylbenzene	0.00066U	U,P1,P2	mg/kg	0.0026	0.00066	SW846 8260D	1	06/14/2024 16:06	TMP	A2
o-Chlorotoluene	0.00066U	U,P1,P2	mg/kg	0.0026	0.00066	SW846 8260D	1	06/14/2024 16:06	TMP	A2
o-Xylene	0.00077U	U,P1,P2	mg/kg	0.0026	0.00077	SW846 8260D	1	06/14/2024 16:06	TMP	A2
p-Chlorotoluene	0.00066U	U,P1,P2	mg/kg	0.0026	0.00066	SW846 8260D	1	06/14/2024 16:06	TMP	A2
p-Isopropyltoluene	0.00066U	U,P1,P2	mg/kg	0.0026	0.00066	SW846 8260D	1	06/14/2024 16:06	TMP	A2
sec-Butylbenzene	0.00066U	U,P1,P2	mg/kg	0.0026	0.00066	SW846 8260D	1	06/14/2024 16:06	TMP	A2
Styrene	0.00066U	U,P1,P2	mg/kg	0.0026	0.00066	SW846 8260D	1	06/14/2024 16:06	TMP	A2
tert-Butylbenzene	0.00073U	U,P1,P2	mg/kg	0.0026	0.00073	SW846 8260D	1	06/14/2024 16:06	TMP	A2
Tetrachloroethene	0.00079U	U,P1,P2	mg/kg	0.0026	0.00079	SW846 8260D	1	06/14/2024 16:06	TMP	A2
Toluene	0.00089U	U,P1,P2	mg/kg	0.0026	0.00089	SW846 8260D	1	06/14/2024 16:06	TMP	A2
Total Xylenes	0.0019U	U,P1,P2	mg/kg	0.0079	0.0019	SW846 8260D	1	06/14/2024 16:06	TMP	A2
trans-1,2-Dichloroethene	0.00069U	U,P1,P2	mg/kg	0.0026	0.00069	SW846 8260D	1	06/14/2024 16:06	TMP	A2
trans-1,3-Dichloropropene	0.00077U	U,P1,P2	mg/kg	0.0026	0.00077	SW846 8260D	1	06/14/2024 16:06	TMP	A2
Trichloroethene	0.00066U	U,P1,P2	mg/kg	0.0026	0.00066	SW846 8260D	1	06/14/2024 16:06	TMP	A2
Trichlorofluoromethane	0.00066U	U,P1,P2	mg/kg	0.0026	0.00066	SW846 8260D	1	06/14/2024 16:06	TMP	A2
Vinyl Chloride	0.00066U	U,P1,P2	mg/kg	0.0026	0.00066	SW846 8260D	1	06/14/2024 16:06	TMP	A2

**SURROGATES**

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	100%	56 - 124	06/14/2024 16:06	
4-Bromofluorobenzene	460-00-4	99.4%	51 - 128	06/14/2024 16:06	
Dibromofluoromethane	1868-53-7	102%	62 - 123	06/14/2024 16:06	
Toluene-d8	2037-26-5	98.3%	59 - 131	06/14/2024 16:06	

**WET CHEMISTRY**

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Moisture	19.5	P1,P2	%	0.1	0.01	S2540G-11	1	06/10/2024 16:21	E1R	A
Total Solids	80.5	P1,P2	%	0.1	0.01	S2540G-11	1	06/10/2024 16:21	E1R	A



## Results

Client Sample ID	SB-19 (4-6)	Collected	06/05/2024 10:55
Lab Sample ID	3363483040	Lab Receipt	06/08/2024 08:37

### GASOLINE RANGE ORGANICS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Gasoline Range Organics	2.2U	U,P1,P2	mg/kg	12.9	2.2	SW846 8015D	100	06/14/2024 10:55	JTH	A1

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
a,a,a-Trifluorotoluene	98-08-8	118%	72 - 134	06/14/2024 10:55	

### PETROLEUM HC's

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Diesel Range Organics C10-C28	4.1J	J,P1,P2	mg/kg	13.2	3.6	SW846 8015D	1	06/15/2024 23:46	KJH	A

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
o-Terphenyl	84-15-1	86.8%	36 - 122	06/15/2024 23:46	

### SEMIVOLATILE SIM

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,4-Dioxane	0.0029U	U,P1,P2	mg/kg	0.0058	0.0029	SW846 8270E SIM	1	06/20/2024 08:05	S7M	A
1-Methylnaphthalene	0.0036J	J,P1,P2	mg/kg	0.0058	0.0010	SW846 8270E SIM	1	06/20/2024 08:05	S7M	A
2-Methylnaphthalene	0.0045J	J,P1,P2	mg/kg	0.0058	0.0015	SW846 8270E SIM	1	06/20/2024 08:05	S7M	A
Acenaphthene	0.0010U	U,P1,P2	mg/kg	0.0058	0.0010	SW846 8270E SIM	1	06/20/2024 08:05	S7M	A
Acenaphthylene	0.0010U	U,P1,P2	mg/kg	0.0058	0.0010	SW846 8270E SIM	1	06/20/2024 08:05	S7M	A
Anthracene	0.00092U	U,P1,P2	mg/kg	0.0058	0.00092	SW846 8270E SIM	1	06/20/2024 08:05	S7M	A
Benzo(a)anthracene	0.00092U	U,P1,P2	mg/kg	0.0058	0.00092	SW846 8270E SIM	1	06/20/2024 08:05	S7M	A
Benzo(a)pyrene	0.00092U	U,P1,P2	mg/kg	0.0058	0.00092	SW846 8270E SIM	1	06/20/2024 08:05	S7M	A
Benzo(b)fluoranthene	0.00092U	U,P1,P2	mg/kg	0.0058	0.00092	SW846 8270E SIM	1	06/20/2024 08:05	S7M	A
Benzo(g,h,i)perylene	0.0012U	U,12,P1,P2	mg/kg	0.0058	0.0012	SW846 8270E SIM	1	06/20/2024 08:05	S7M	A
Benzo(k)fluoranthene	0.0010U	U,P1,P2	mg/kg	0.0058	0.0010	SW846 8270E SIM	1	06/20/2024 08:05	S7M	A
Chrysene	0.0010U	U,P1,P2	mg/kg	0.0058	0.0010	SW846 8270E SIM	1	06/20/2024 08:05	S7M	A
Dibenzo(a,h)anthracene	0.00081U	U,P1,P2	mg/kg	0.0058	0.00081	SW846 8270E SIM	1	06/20/2024 08:05	S7M	A
Fluoranthene	0.0024J	J,P1,P2	mg/kg	0.0058	0.0010	SW846 8270E SIM	1	06/20/2024 08:05	S7M	A
Fluorene	0.0012U	U,P1,P2	mg/kg	0.0058	0.0012	SW846 8270E SIM	1	06/20/2024 08:05	S7M	A
Indeno(1,2,3-cd)pyrene	0.00092U	U,P1,P2	mg/kg	0.0058	0.00092	SW846 8270E SIM	1	06/20/2024 08:05	S7M	A
Naphthalene	0.0057J	J,P1,P2	mg/kg	0.0058	0.0013	SW846 8270E SIM	1	06/20/2024 08:05	S7M	A
Phenanthrene	0.0040J	J,P1,P2	mg/kg	0.0058	0.0013	SW846 8270E SIM	1	06/20/2024 08:05	S7M	A



## Results

Client Sample ID	SB-19 (4-6)	Collected	06/05/2024 10:55
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### SEMIVOLATILE SIM (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Pyrene	0.00092U	U,P1,P2	mg/kg	0.0058	0.00092	SW846 8270E SIM	1	06/20/2024 08:05	S7M	A

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
2-Methylnaphthalene-d10	7297-45-2	86.2%	50 - 150	06/20/2024 08:05	
Fluoranthene-d10	93951-69-0	96%	50 - 150	06/20/2024 08:05	

### SEMIVOLATILES

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1-Methylnaphthalene	0.020U	U,P1,P2	mg/kg	0.12	0.020	SW846 8270E	1	06/18/2024 09:35	S7M	A
2-Methylnaphthalene	0.020U	U,P1,P2	mg/kg	0.12	0.020	SW846 8270E	1	06/18/2024 09:35	S7M	A
Acenaphthene	0.020U	U,P1,P2	mg/kg	0.058	0.020	SW846 8270E	1	06/18/2024 09:35	S7M	A
Acenaphthylene	0.020U	U,P1,P2	mg/kg	0.058	0.020	SW846 8270E	1	06/18/2024 09:35	S7M	A
Anthracene	0.020U	U,P1,P2	mg/kg	0.058	0.020	SW846 8270E	1	06/18/2024 09:35	S7M	A
Benzo(a)anthracene	0.020U	U,P1,P2	mg/kg	0.058	0.020	SW846 8270E	1	06/18/2024 09:35	S7M	A
Benzo(a)pyrene	0.020U	U,P1,P2	mg/kg	0.058	0.020	SW846 8270E	1	06/18/2024 09:35	S7M	A
Benzo(b)fluoranthene	0.020U	U,P1,P2	mg/kg	0.058	0.020	SW846 8270E	1	06/18/2024 09:35	S7M	A
Benzo(g,h,i)perylene	0.020U	U,P1,P2	mg/kg	0.058	0.020	SW846 8270E	1	06/18/2024 09:35	S7M	A
Benzo(k)fluoranthene	0.020U	U,P1,P2	mg/kg	0.058	0.020	SW846 8270E	1	06/18/2024 09:35	S7M	A
Carbazole	0.020U	U,P1,P2	mg/kg	0.12	0.020	SW846 8270E	1	06/18/2024 09:35	S7M	A
Chrysene	0.020U	U,P1,P2	mg/kg	0.058	0.020	SW846 8270E	1	06/18/2024 09:35	S7M	A
Dibenzo(a,h)anthracene	0.020U	U,P1,P2	mg/kg	0.058	0.020	SW846 8270E	1	06/18/2024 09:35	S7M	A
Dibenzofuran	0.020U	U,P1,P2	mg/kg	0.12	0.020	SW846 8270E	1	06/18/2024 09:35	S7M	A
Fluoranthene	0.020U	U,P1,P2	mg/kg	0.058	0.020	SW846 8270E	1	06/18/2024 09:35	S7M	A
Fluorene	0.020U	U,P1,P2	mg/kg	0.058	0.020	SW846 8270E	1	06/18/2024 09:35	S7M	A
Indeno(1,2,3-cd)pyrene	0.020U	U,P1,P2	mg/kg	0.058	0.020	SW846 8270E	1	06/18/2024 09:35	S7M	A
Naphthalene	0.020U	U,P1,P2	mg/kg	0.058	0.020	SW846 8270E	1	06/18/2024 09:35	S7M	A
Phenanthrene	0.020U	U,P1,P2	mg/kg	0.058	0.020	SW846 8270E	1	06/18/2024 09:35	S7M	A
Pyrene	0.020U	U,P1,P2	mg/kg	0.058	0.020	SW846 8270E	1	06/18/2024 09:35	S7M	A

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
2,4,6-Tribromophenol	118-79-6	73%	19 - 132	06/18/2024 09:35	
2-Fluorobiphenyl	321-60-8	70.6%	40 - 110	06/18/2024 09:35	
2-Fluorophenol	367-12-4	72.9%	26 - 116	06/18/2024 09:35	
Nitrobenzene-d5	4165-60-0	83.2%	38 - 112	06/18/2024 09:35	
Phenol-d5	4165-62-2	78.9%	35 - 111	06/18/2024 09:35	
Terphenyl-d14	98904-43-9	87.7%	45 - 126	06/18/2024 09:35	

### VOLATILE ORGANICS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1-Trichloroethane	0.00079U	U,P1,P2	mg/kg	0.0025	0.00079	SW846 8260D	1	06/14/2024 16:32	TMP	A2



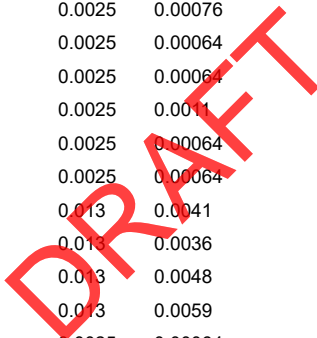


**Results**

Client Sample ID SB-19 (4-6) Collected 06/05/2024 10:55  
 Lab Sample ID 3363483040 Lab Receipt 06/08/2024 08:37

**VOLATILE ORGANICS (cont.)**

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,2,2-Tetrachloroethane	0.00071U	U,P1,P2	mg/kg	0.0025	0.00071	SW846 8260D	1	06/14/2024 16:32	TMP	A2
1,1,2-Trichloroethane	0.00071U	U,P1,P2	mg/kg	0.0025	0.00071	SW846 8260D	1	06/14/2024 16:32	TMP	A2
1,1-Dichloroethane	0.00064U	U,P1,P2	mg/kg	0.0025	0.00064	SW846 8260D	1	06/14/2024 16:32	TMP	A2
1,1-Dichloroethene	0.00066U	U,P1,P2	mg/kg	0.0025	0.00066	SW846 8260D	1	06/14/2024 16:32	TMP	A2
1,1-Dichloropropene	0.00064U	U,P1,P2	mg/kg	0.0025	0.00064	SW846 8260D	1	06/14/2024 16:32	TMP	A2
1,2,3-Trichlorobenzene	0.00064U	U,P1,P2	mg/kg	0.0064	0.00064	SW846 8260D	1	06/14/2024 16:32	TMP	A2
1,2,3-Trichloropropane	0.00064U	U,P1,P2	mg/kg	0.0025	0.00064	SW846 8260D	1	06/14/2024 16:32	TMP	A2
1,2,4-Trichlorobenzene	0.00064U	U,P1,P2	mg/kg	0.0064	0.00064	SW846 8260D	1	06/14/2024 16:32	TMP	A2
1,2,4-Trimethylbenzene	0.00064U	U,P1,P2	mg/kg	0.0025	0.00064	SW846 8260D	1	06/14/2024 16:32	TMP	A2
1,2-Dibromo-3-chloropropane	0.00032U	U,P1,P2	mg/kg	0.0025	0.00032	SW846 8260D	1	06/14/2024 16:32	TMP	A2
1,2-Dibromoethane	0.00069U	U,P1,P2	mg/kg	0.0025	0.00069	SW846 8260D	1	06/14/2024 16:32	TMP	A2
1,2-Dichlorobenzene	0.00064U	U,P1,P2	mg/kg	0.0025	0.00064	SW846 8260D	1	06/14/2024 16:32	TMP	A2
1,2-Dichloroethane	0.00064U	U,P1,P2	mg/kg	0.0025	0.00064	SW846 8260D	1	06/14/2024 16:32	TMP	A2
1,2-Dichloropropane	0.00076U	U,P1,P2	mg/kg	0.0025	0.00076	SW846 8260D	1	06/14/2024 16:32	TMP	A2
1,3,5-Trimethylbenzene	0.00064U	U,P1,P2	mg/kg	0.0025	0.00064	SW846 8260D	1	06/14/2024 16:32	TMP	A2
1,3-Dichlorobenzene	0.00064U	U,P1,P2	mg/kg	0.0025	0.00064	SW846 8260D	1	06/14/2024 16:32	TMP	A2
1,3-Dichloropropane	0.0011U	U,P1,P2	mg/kg	0.0025	0.0011	SW846 8260D	1	06/14/2024 16:32	TMP	A2
1,4-Dichlorobenzene	0.00064U	U,P1,P2	mg/kg	0.0025	0.00064	SW846 8260D	1	06/14/2024 16:32	TMP	A2
2,2-Dichloropropane	0.00064U	U,P1,P2	mg/kg	0.0025	0.00064	SW846 8260D	1	06/14/2024 16:32	TMP	A2
2-Butanone	0.0073J	J,P1,P2	mg/kg	0.013	0.0041	SW846 8260D	1	06/14/2024 16:32	TMP	A2
2-Hexanone	0.0036U	U,P1,P2	mg/kg	0.013	0.0036	SW846 8260D	1	06/14/2024 16:32	TMP	A2
4-Methyl-2-Pentanone(MIBK)	0.0048U	U,P1,P2	mg/kg	0.013	0.0048	SW846 8260D	1	06/14/2024 16:32	TMP	A2
Acetone	0.044	P1,P2	mg/kg	0.013	0.0059	SW846 8260D	1	06/14/2024 16:32	TMP	A2
Benzene	0.00064U	U,P1,P2	mg/kg	0.0025	0.00064	SW846 8260D	1	06/14/2024 16:32	TMP	A2
Bromobenzene	0.00064U	U,P1,P2	mg/kg	0.0025	0.00064	SW846 8260D	1	06/14/2024 16:32	TMP	A2
Bromochloromethane	0.00064U	U,P1,P2	mg/kg	0.0025	0.00064	SW846 8260D	1	06/14/2024 16:32	TMP	A2
Bromodichloromethane	0.00090U	U,P1,P2	mg/kg	0.0025	0.00090	SW846 8260D	1	06/14/2024 16:32	TMP	A2
Bromoform	0.00066U	U,P1,P2	mg/kg	0.0025	0.00066	SW846 8260D	1	06/14/2024 16:32	TMP	A2
Bromomethane	0.00066U	U,P1,P2	mg/kg	0.0025	0.00066	SW846 8260D	1	06/14/2024 16:32	TMP	A2
Carbon Disulfide	0.00080U	U,P1,P2	mg/kg	0.0025	0.00080	SW846 8260D	1	06/14/2024 16:32	TMP	A2
Carbon Tetrachloride	0.00065U	U,P1,P2	mg/kg	0.0025	0.00065	SW846 8260D	1	06/14/2024 16:32	TMP	A2
Chlorobenzene	0.00065U	U,P1,P2	mg/kg	0.0025	0.00065	SW846 8260D	1	06/14/2024 16:32	TMP	A2
Chlorodibromomethane	0.00087U	U,P1,P2	mg/kg	0.0025	0.00087	SW846 8260D	1	06/14/2024 16:32	TMP	A2
Chloroethane	0.0011U	U,P1,P2	mg/kg	0.0064	0.0011	SW846 8260D	1	06/14/2024 16:32	TMP	A2
Chloroform	0.00068U	U,P1,P2	mg/kg	0.0025	0.00068	SW846 8260D	1	06/14/2024 16:32	TMP	A2
Chloromethane	0.00070U	U,P1,P2	mg/kg	0.0025	0.00070	SW846 8260D	1	06/14/2024 16:32	TMP	A2
cis-1,2-Dichloroethene	0.00064U	U,P1,P2	mg/kg	0.0025	0.00064	SW846 8260D	1	06/14/2024 16:32	TMP	A2
cis-1,3-Dichloropropene	0.00070U	U,P1,P2	mg/kg	0.0025	0.00070	SW846 8260D	1	06/14/2024 16:32	TMP	A2
Dibromomethane	0.00092U	U,P1,P2	mg/kg	0.0025	0.00092	SW846 8260D	1	06/14/2024 16:32	TMP	A2
Dichlorodifluoromethane	0.00085U	U,P1,P2	mg/kg	0.0025	0.00085	SW846 8260D	1	06/14/2024 16:32	TMP	A2
Ethylbenzene	0.00087U	U,P1,P2	mg/kg	0.0025	0.00087	SW846 8260D	1	06/14/2024 16:32	TMP	A2
Freon 113	0.00064U	U,5,6,P1,P2	mg/kg	0.0025	0.00064	SW846 8260D	1	06/14/2024 16:32	TMP	A2
Hexachlorobutadiene	0.00064U	U,P1,P2	mg/kg	0.0064	0.00064	SW846 8260D	1	06/14/2024 16:32	TMP	A2
Isopropylbenzene	0.00078U	U,P1,P2	mg/kg	0.0025	0.00078	SW846 8260D	1	06/14/2024 16:32	TMP	A2
Methyl t-Butyl Ether	0.00064U	U,P1,P2	mg/kg	0.0025	0.00064	SW846 8260D	1	06/14/2024 16:32	TMP	A2
Methylene Chloride	0.0021J	J,P1,P2	mg/kg	0.0025	0.00099	SW846 8260D	1	06/14/2024 16:32	TMP	A2
mp-Xylene	0.0011U	U,P1,P2	mg/kg	0.0051	0.0011	SW846 8260D	1	06/14/2024 16:32	TMP	A2





**Results**

Client Sample ID	SB-19 (4-6)	Collected	06/05/2024 10:55
Lab Sample ID	3363483040	Lab Receipt	06/08/2024 08:37

**VOLATILE ORGANICS (cont.)**

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Naphthalene	0.00064U	U,P1,P2	mg/kg	0.0025	0.00064	SW846 8260D	1	06/14/2024 16:32	TMP	A2
n-Butylbenzene	0.00064U	U,4,P1,P2	mg/kg	0.0025	0.00064	SW846 8260D	1	06/14/2024 16:32	TMP	A2
n-Propylbenzene	0.00064U	U,P1,P2	mg/kg	0.0025	0.00064	SW846 8260D	1	06/14/2024 16:32	TMP	A2
o-Chlorotoluene	0.00064U	U,P1,P2	mg/kg	0.0025	0.00064	SW846 8260D	1	06/14/2024 16:32	TMP	A2
o-Xylene	0.00074U	U,P1,P2	mg/kg	0.0025	0.00074	SW846 8260D	1	06/14/2024 16:32	TMP	A2
p-Chlorotoluene	0.00064U	U,P1,P2	mg/kg	0.0025	0.00064	SW846 8260D	1	06/14/2024 16:32	TMP	A2
p-Isopropyltoluene	0.00064U	U,P1,P2	mg/kg	0.0025	0.00064	SW846 8260D	1	06/14/2024 16:32	TMP	A2
sec-Butylbenzene	0.00064U	U,P1,P2	mg/kg	0.0025	0.00064	SW846 8260D	1	06/14/2024 16:32	TMP	A2
Styrene	0.00064U	U,P1,P2	mg/kg	0.0025	0.00064	SW846 8260D	1	06/14/2024 16:32	TMP	A2
tert-Butylbenzene	0.00070U	U,P1,P2	mg/kg	0.0025	0.00070	SW846 8260D	1	06/14/2024 16:32	TMP	A2
Tetrachloroethene	0.00076U	U,P1,P2	mg/kg	0.0025	0.00076	SW846 8260D	1	06/14/2024 16:32	TMP	A2
Toluene	0.00085U	U,P1,P2	mg/kg	0.0025	0.00085	SW846 8260D	1	06/14/2024 16:32	TMP	A2
Total Xylenes	0.0018U	U,P1,P2	mg/kg	0.0076	0.0018	SW846 8260D	1	06/14/2024 16:32	TMP	A2
trans-1,2-Dichloroethene	0.00066U	U,P1,P2	mg/kg	0.0025	0.00066	SW846 8260D	1	06/14/2024 16:32	TMP	A2
trans-1,3-Dichloropropene	0.00074U	U,P1,P2	mg/kg	0.0025	0.00074	SW846 8260D	1	06/14/2024 16:32	TMP	A2
Trichloroethene	0.00064U	U,P1,P2	mg/kg	0.0025	0.00064	SW846 8260D	1	06/14/2024 16:32	TMP	A2
Trichlorofluoromethane	0.00064U	U,P1,P2	mg/kg	0.0025	0.00064	SW846 8260D	1	06/14/2024 16:32	TMP	A2
Vinyl Chloride	0.00064U	U,P1,P2	mg/kg	0.0025	0.00064	SW846 8260D	1	06/14/2024 16:32	TMP	A2

**SURROGATES**

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	117%	56 - 124	06/14/2024 16:32	
4-Bromofluorobenzene	460-00-4	99.4%	51 - 128	06/14/2024 16:32	
Dibromofluoromethane	1868-53-7	102%	62 - 123	06/14/2024 16:32	
Toluene-d8	2037-26-5	97.8%	59 - 131	06/14/2024 16:32	

**WET CHEMISTRY**

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Moisture	21.2	P1,P2	%	0.1	0.01	S2540G-11	1	06/10/2024 16:21	E1R	A
Total Solids	78.8	P1,P2	%	0.1	0.01	S2540G-11	1	06/10/2024 16:21	E1R	A



## Results

Client Sample ID	SB-23 (4-6)	Collected	06/05/2024 11:40
Lab Sample ID	3363483041	Lab Receipt	06/08/2024 08:37

### GASOLINE RANGE ORGANICS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Gasoline Range Organics	117	P1,P2	mg/kg	13.3	2.3	SW846 8015D	100	06/14/2024 11:20	JTH	A1

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
a,a,a-Trifluorotoluene	98-08-8	102%	72 - 134	06/14/2024 11:20	

### PETROLEUM HC's

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Diesel Range Organics C10-C28	150	P1,P2	mg/kg	12.8	3.5	SW846 8015D	1	06/16/2024 00:18	KJH	A

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
o-Terphenyl	84-15-1	92.7%	36 - 122	06/16/2024 00:18	

### SEMIVOLATILE SIM

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,4-Dioxane	0.0027U	U,P1,P2	mg/kg	0.0054	0.0027	SW846 8270E SIM	1	06/20/2024 08:32	S7M	A
1-Methylnaphthalene	1.1	E,P1,P2	mg/kg	0.0054	0.00097	SW846 8270E SIM	1	06/20/2024 08:32	S7M	A
2-Methylnaphthalene	1.8	E,P1,P2	mg/kg	0.0054	0.0014	SW846 8270E SIM	1	06/20/2024 08:32	S7M	A
Acenaphthene	0.13	P1,P2	mg/kg	0.0054	0.00097	SW846 8270E SIM	1	06/20/2024 08:32	S7M	A
Acenaphthylene	0.00097U	U,P1,P2	mg/kg	0.0054	0.00097	SW846 8270E SIM	1	06/20/2024 08:32	S7M	A
Anthracene	0.039	P1,P2	mg/kg	0.0054	0.00086	SW846 8270E SIM	1	06/20/2024 08:32	S7M	A
Benzo(a)anthracene	0.0054	P1,P2	mg/kg	0.0054	0.00086	SW846 8270E SIM	1	06/20/2024 08:32	S7M	A
Benzo(a)pyrene	0.00086U	U,P1,P2	mg/kg	0.0054	0.00086	SW846 8270E SIM	1	06/20/2024 08:32	S7M	A
Benzo(b)fluoranthene	0.0098	P1,P2	mg/kg	0.0054	0.00086	SW846 8270E SIM	1	06/20/2024 08:32	S7M	A
Benzo(g,h,i)perylene	0.0093	12,P1,P2	mg/kg	0.0054	0.0011	SW846 8270E SIM	1	06/20/2024 08:32	S7M	A
Benzo(k)fluoranthene	0.0048J	J,P1,P2	mg/kg	0.0054	0.00097	SW846 8270E SIM	1	06/20/2024 08:32	S7M	A
Chrysene	0.014	P1,P2	mg/kg	0.0054	0.00097	SW846 8270E SIM	1	06/20/2024 08:32	S7M	A
Dibenzo(a,h)anthracene	0.00075U	U,P1,P2	mg/kg	0.0054	0.00075	SW846 8270E SIM	1	06/20/2024 08:32	S7M	A
Fluoranthene	0.020	P1,P2	mg/kg	0.0054	0.00097	SW846 8270E SIM	1	06/20/2024 08:32	S7M	A
Fluorene	0.20	P1,P2	mg/kg	0.0054	0.0011	SW846 8270E SIM	1	06/20/2024 08:32	S7M	A
Indeno(1,2,3-cd)pyrene	0.0035J	J,P1,P2	mg/kg	0.0054	0.00086	SW846 8270E SIM	1	06/20/2024 08:32	S7M	A
Naphthalene	0.31	P1,P2	mg/kg	0.0054	0.0012	SW846 8270E SIM	1	06/20/2024 08:32	S7M	A
Phenanthrene	0.48	P1,P2	mg/kg	0.0054	0.0012	SW846 8270E SIM	1	06/20/2024 08:32	S7M	A



## Results

Client Sample ID	SB-23 (4-6)	Collected	06/05/2024 11:40
Lab Sample ID	3363483041	Lab Receipt	06/08/2024 08:37

### SEMIVOLATILE SIM (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Pyrene	0.027	P1,P2	mg/kg	0.0054	0.00086	SW846 8270E SIM	1	06/20/2024 08:32	S7M	A

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
2-Methylnaphthalene-d10	7297-45-2	81.3%	50 - 150	06/20/2024 08:32	
Fluoranthene-d10	93951-69-0	96.1%	50 - 150	06/20/2024 08:32	

### SEMIVOLATILES

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1-Methylnaphthalene	1.1	P1,P2	mg/kg	0.11	0.018	SW846 8270E	1	06/18/2024 10:00	S7M	A
2-Methylnaphthalene	2.0	P1,P2	mg/kg	0.11	0.018	SW846 8270E	1	06/18/2024 10:00	S7M	A
Acenaphthene	0.018U	U,P1,P2	mg/kg	0.054	0.018	SW846 8270E	1	06/18/2024 10:00	S7M	A
Acenaphthylene	0.018U	U,P1,P2	mg/kg	0.054	0.018	SW846 8270E	1	06/18/2024 10:00	S7M	A
Anthracene	0.035J	J,P1,P2	mg/kg	0.054	0.018	SW846 8270E	1	06/18/2024 10:00	S7M	A
Benzo(a)anthracene	0.018U	U,P1,P2	mg/kg	0.054	0.018	SW846 8270E	1	06/18/2024 10:00	S7M	A
Benzo(a)pyrene	0.018U	U,P1,P2	mg/kg	0.054	0.018	SW846 8270E	1	06/18/2024 10:00	S7M	A
Benzo(b)fluoranthene	0.018U	U,P1,P2	mg/kg	0.054	0.018	SW846 8270E	1	06/18/2024 10:00	S7M	A
Benzo(g,h,i)perylene	0.018U	U,P1,P2	mg/kg	0.054	0.018	SW846 8270E	1	06/18/2024 10:00	S7M	A
Benzo(k)fluoranthene	0.018U	U,P1,P2	mg/kg	0.054	0.018	SW846 8270E	1	06/18/2024 10:00	S7M	A
Carbazole	0.018U	U,P1,P2	mg/kg	0.11	0.018	SW846 8270E	1	06/18/2024 10:00	S7M	A
Chrysene	0.018U	U,P1,P2	mg/kg	0.054	0.018	SW846 8270E	1	06/18/2024 10:00	S7M	A
Dibenzo(a,h)anthracene	0.018U	U,P1,P2	mg/kg	0.054	0.018	SW846 8270E	1	06/18/2024 10:00	S7M	A
Dibenzofuran	0.059J	J,P1,P2	mg/kg	0.11	0.018	SW846 8270E	1	06/18/2024 10:00	S7M	A
Fluoranthene	0.021J	J,P1,P2	mg/kg	0.054	0.018	SW846 8270E	1	06/18/2024 10:00	S7M	A
Fluorene	0.018U	U,P1,P2	mg/kg	0.054	0.018	SW846 8270E	1	06/18/2024 10:00	S7M	A
Indeno(1,2,3-cd)pyrene	0.018U	U,P1,P2	mg/kg	0.054	0.018	SW846 8270E	1	06/18/2024 10:00	S7M	A
Naphthalene	0.28	P1,P2	mg/kg	0.054	0.018	SW846 8270E	1	06/18/2024 10:00	S7M	A
Phenanthrene	0.45	P1,P2	mg/kg	0.054	0.018	SW846 8270E	1	06/18/2024 10:00	S7M	A
Pyrene	0.026J	J,P1,P2	mg/kg	0.054	0.018	SW846 8270E	1	06/18/2024 10:00	S7M	A

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
2,4,6-Tribromophenol	118-79-6	68.6%	19 - 132	06/18/2024 10:00	
2-Fluorobiphenyl	321-60-8	65.8%	40 - 110	06/18/2024 10:00	
2-Fluorophenol	367-12-4	68.2%	26 - 116	06/18/2024 10:00	
Nitrobenzene-d5	4165-60-0	76.7%	38 - 112	06/18/2024 10:00	
Phenol-d5	4165-62-2	73.6%	35 - 111	06/18/2024 10:00	
Terphenyl-d14	98904-43-9	82.4%	45 - 126	06/18/2024 10:00	

### VOLATILE ORGANICS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1-Trichloroethane	0.015U	U,P1,P2	mg/kg	0.066	0.015	SW846 8260D	50	06/14/2024 22:43	BST	A1



**Results**

Client Sample ID SB-23 (4-6) Collected 06/05/2024 11:40  
 Lab Sample ID 3363483041 Lab Receipt 06/08/2024 08:37

**VOLATILE ORGANICS (cont.)**

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,2,2-Tetrachloroethane	0.023U	U,P1,P2	mg/kg	0.066	0.023	SW846 8260D	50	06/14/2024 22:43	BST	A1
1,1,2-Trichloroethane	0.022U	U,P1,P2	mg/kg	0.066	0.022	SW846 8260D	50	06/14/2024 22:43	BST	A1
1,1-Dichloroethane	0.019U	U,P1,P2	mg/kg	0.066	0.019	SW846 8260D	50	06/14/2024 22:43	BST	A1
1,1-Dichloroethene	0.019U	U,P1,P2	mg/kg	0.066	0.019	SW846 8260D	50	06/14/2024 22:43	BST	A1
1,1-Dichloropropene	0.018U	U,P1,P2	mg/kg	0.066	0.018	SW846 8260D	50	06/14/2024 22:43	BST	A1
1,2,3-Trichlorobenzene	0.062U	U,P1,P2	mg/kg	0.13	0.062	SW846 8260D	50	06/14/2024 22:43	BST	A1
1,2,3-Trichloropropane	0.040U	U,P1,P2	mg/kg	0.13	0.040	SW846 8260D	50	06/14/2024 22:43	BST	A1
1,2,4-Trichlorobenzene	0.054U	U,P1,P2	mg/kg	0.13	0.054	SW846 8260D	50	06/14/2024 22:43	BST	A1
1,2,4-Trimethylbenzene	0.017U	U,P1,P2	mg/kg	0.066	0.017	SW846 8260D	50	06/14/2024 22:43	BST	A1
1,2-Dibromo-3-chloropropane	0.099U	U,P1,P2	mg/kg	0.46	0.099	SW846 8260D	50	06/14/2024 22:43	BST	A1
1,2-Dibromoethane	0.019U	U,P1,P2	mg/kg	0.066	0.019	SW846 8260D	50	06/14/2024 22:43	BST	A1
1,2-Dichlorobenzene	0.025U	U,P1,P2	mg/kg	0.066	0.025	SW846 8260D	50	06/14/2024 22:43	BST	A1
1,2-Dichloroethane	0.021U	U,P1,P2	mg/kg	0.066	0.021	SW846 8260D	50	06/14/2024 22:43	BST	A1
1,2-Dichloropropane	0.016U	U,P1,P2	mg/kg	0.066	0.016	SW846 8260D	50	06/14/2024 22:43	BST	A1
1,3,5-Trimethylbenzene	0.013U	U,P1,P2	mg/kg	0.066	0.013	SW846 8260D	50	06/14/2024 22:43	BST	A1
1,3-Dichlorobenzene	0.017U	U,P1,P2	mg/kg	0.066	0.017	SW846 8260D	50	06/14/2024 22:43	BST	A1
1,3-Dichloropropane	0.018U	U,P1,P2	mg/kg	0.066	0.018	SW846 8260D	50	06/14/2024 22:43	BST	A1
1,4-Dichlorobenzene	0.018U	U,P1,P2	mg/kg	0.066	0.018	SW846 8260D	50	06/14/2024 22:43	BST	A1
2,2-Dichloropropane	0.021U	U,P1,P2	mg/kg	0.066	0.021	SW846 8260D	50	06/14/2024 22:43	BST	A1
2-Butanone	0.12U	U,P1,P2	mg/kg	0.55	0.12	SW846 8260D	50	06/14/2024 22:43	BST	A1
2-Hexanone	0.086U	U,P1,P2	mg/kg	0.33	0.086	SW846 8260D	50	06/14/2024 22:43	BST	A1
4-Methyl-2-Pentanone(MIBK)	0.099U	U,P1,P2	mg/kg	0.33	0.099	SW846 8260D	50	06/14/2024 22:43	BST	A1
Acetone	0.21U	U,P1,P2	mg/kg	0.63	0.21	SW846 8260D	50	06/14/2024 22:43	BST	A1
Benzene	0.015U	U,P1,P2	mg/kg	0.066	0.015	SW846 8260D	50	06/14/2024 22:43	BST	A1
Bromobenzene	0.021U	U,P1,P2	mg/kg	0.066	0.021	SW846 8260D	50	06/14/2024 22:43	BST	A1
Bromochloromethane	0.021U	U,P1,P2	mg/kg	0.066	0.021	SW846 8260D	50	06/14/2024 22:43	BST	A1
Bromodichloromethane	0.018U	U,P1,P2	mg/kg	0.066	0.018	SW846 8260D	50	06/14/2024 22:43	BST	A1
Bromoform	0.027U	U,P1,P2	mg/kg	0.066	0.027	SW846 8260D	50	06/14/2024 22:43	BST	A1
Bromomethane	0.026U	U,11,P1,P2	mg/kg	0.066	0.026	SW846 8260D	50	06/14/2024 22:43	BST	A1
Carbon Disulfide	0.015U	U,P1,P2	mg/kg	0.066	0.015	SW846 8260D	50	06/14/2024 22:43	BST	A1
Carbon Tetrachloride	0.021U	U,P1,P2	mg/kg	0.066	0.021	SW846 8260D	50	06/14/2024 22:43	BST	A1
Chlorobenzene	0.013U	U,P1,P2	mg/kg	0.066	0.013	SW846 8260D	50	06/14/2024 22:43	BST	A1
Chlorodibromomethane	0.030U	U,P1,P2	mg/kg	0.066	0.030	SW846 8260D	50	06/14/2024 22:43	BST	A1
Chloroethane	0.022U	U,P1,P2	mg/kg	0.066	0.022	SW846 8260D	50	06/14/2024 22:43	BST	A1
Chloroform	0.014U	U,P1,P2	mg/kg	0.066	0.014	SW846 8260D	50	06/14/2024 22:43	BST	A1
Chloromethane	0.021U	U,P1,P2	mg/kg	0.066	0.021	SW846 8260D	50	06/14/2024 22:43	BST	A1
cis-1,2-Dichloroethene	0.021U	U,P1,P2	mg/kg	0.066	0.021	SW846 8260D	50	06/14/2024 22:43	BST	A1
cis-1,3-Dichloropropene	0.021U	U,P1,P2	mg/kg	0.066	0.021	SW846 8260D	50	06/14/2024 22:43	BST	A1
Dibromomethane	0.021U	U,P1,P2	mg/kg	0.066	0.021	SW846 8260D	50	06/14/2024 22:43	BST	A1
Dichlorodifluoromethane	0.022U	U,P1,P2	mg/kg	0.066	0.022	SW846 8260D	50	06/14/2024 22:43	BST	A1
Ethylbenzene	0.023U	U,P1,P2	mg/kg	0.066	0.023	SW846 8260D	50	06/14/2024 22:43	BST	A1
Freon 113	0.017U	U,P1,P2	mg/kg	0.066	0.017	SW846 8260D	50	06/14/2024 22:43	BST	A1
Hexachlorobutadiene	0.066U	U,P1,P2	mg/kg	0.33	0.066	SW846 8260D	50	06/14/2024 22:43	BST	A1
Isopropylbenzene	0.047J	J,P1,P2	mg/kg	0.066	0.015	SW846 8260D	50	06/14/2024 22:43	BST	A1
Methyl t-Butyl Ether	0.022U	U,P1,P2	mg/kg	0.066	0.022	SW846 8260D	50	06/14/2024 22:43	BST	A1
Methylene Chloride	0.030U	U,P1,P2	mg/kg	0.066	0.030	SW846 8260D	50	06/14/2024 22:43	BST	A1
mp-Xylene	0.036J	J,P1,P2	mg/kg	0.13	0.034	SW846 8260D	50	06/14/2024 22:43	BST	A1

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## Results

Client Sample ID	SB-23 (4-6)	Collected	06/05/2024 11:40
Lab Sample ID	3363483041	Lab Receipt	06/08/2024 08:37

### VOLATILE ORGANICS (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Naphthalene	0.23	P1,P2	mg/kg	0.13	0.023	SW846 8260D	50	06/14/2024 22:43	BST	A1
n-Butylbenzene	0.30	P1,P2	mg/kg	0.13	0.040	SW846 8260D	50	06/14/2024 22:43	BST	A1
n-Propylbenzene	0.14	P1,P2	mg/kg	0.066	0.022	SW846 8260D	50	06/14/2024 22:43	BST	A1
o-Chlorotoluene	0.017U	U,P1,P2	mg/kg	0.066	0.017	SW846 8260D	50	06/14/2024 22:43	BST	A1
o-Xylene	0.022U	U,P1,P2	mg/kg	0.066	0.022	SW846 8260D	50	06/14/2024 22:43	BST	A1
p-Chlorotoluene	0.022U	U,P1,P2	mg/kg	0.066	0.022	SW846 8260D	50	06/14/2024 22:43	BST	A1
p-Isopropyltoluene	0.021U	U,P1,P2	mg/kg	0.066	0.021	SW846 8260D	50	06/14/2024 22:43	BST	A1
sec-Butylbenzene	0.17	P1,P2	mg/kg	0.066	0.021	SW846 8260D	50	06/14/2024 22:43	BST	A1
Styrene	0.016U	U,P1,P2	mg/kg	0.066	0.016	SW846 8260D	50	06/14/2024 22:43	BST	A1
tert-Butylbenzene	0.029U	U,P1,P2	mg/kg	0.13	0.029	SW846 8260D	50	06/14/2024 22:43	BST	A1
Tetrachloroethene	0.023U	U,P1,P2	mg/kg	0.066	0.023	SW846 8260D	50	06/14/2024 22:43	BST	A1
Toluene	0.015U	U,P1,P2	mg/kg	0.066	0.015	SW846 8260D	50	06/14/2024 22:43	BST	A1
Total Xylenes	0.044U	U,P1,P2	mg/kg	0.20	0.044	SW846 8260D	50	06/14/2024 22:43	BST	A1
trans-1,2-Dichloroethene	0.017U	U,P1,P2	mg/kg	0.066	0.017	SW846 8260D	50	06/14/2024 22:43	BST	A1
trans-1,3-Dichloropropene	0.019U	U,P1,P2	mg/kg	0.066	0.019	SW846 8260D	50	06/14/2024 22:43	BST	A1
Trichloroethene	0.022U	U,P1,P2	mg/kg	0.066	0.022	SW846 8260D	50	06/14/2024 22:43	BST	A1
Trichlorofluoromethane	0.016U	U,P1,P2	mg/kg	0.066	0.016	SW846 8260D	50	06/14/2024 22:43	BST	A1
Vinyl Chloride	0.020U	U,P1,P2	mg/kg	0.066	0.020	SW846 8260D	50	06/14/2024 22:43	BST	A1

### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	96.6%	71 - 146	06/14/2024 22:43	
4-Bromofluorobenzene	460-00-4	101%	46 - 138	06/14/2024 22:43	
Dibromofluoromethane	1868-53-7	81%	42 - 143	06/14/2024 22:43	
Toluene-d8	2037-26-5	98.8%	54 - 141	06/14/2024 22:43	

### WET CHEMISTRY

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Moisture	19.7	P1,P2	%	0.1	0.01	S2540G-11	1	06/10/2024 16:21	E1R	A
Total Solids	80.3	P1,P2	%	0.1	0.01	S2540G-11	1	06/10/2024 16:21	E1R	A





## Results

Client Sample ID	SB-23 (8-10)	Collected	06/05/2024 11:40
Lab Sample ID	3363483042	Lab Receipt	06/08/2024 08:37

### GASOLINE RANGE ORGANICS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Gasoline Range Organics	4.0J	J,P1,P2	mg/kg	11.1	1.9	SW846 8015D	100	06/14/2024 11:46	JTH	A1

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
a,a,a-Trifluorotoluene	98-08-8	111%	72 - 134	06/14/2024 11:46	

### PETROLEUM HC's

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Diesel Range Organics C10-C28	10.3J	J,P1,P2	mg/kg	12.4	3.4	SW846 8015D	1	06/16/2024 00:50	KJH	A

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
o-Terphenyl	84-15-1	57.3%	36 - 122	06/16/2024 00:50	

### SEMIVOLATILE SIM

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,4-Dioxane	0.0028U	U,P1,P2	mg/kg	0.0056	0.0028	SW846 8270E SIM	1	06/20/2024 08:59	S7M	A
1-Methylnaphthalene	0.056	P1,P2	mg/kg	0.0056	0.0010	SW846 8270E SIM	1	06/20/2024 08:59	S7M	A
2-Methylnaphthalene	0.055	P1,P2	mg/kg	0.0056	0.0015	SW846 8270E SIM	1	06/20/2024 08:59	S7M	A
Acenaphthene	0.0010U	U,P1,P2	mg/kg	0.0056	0.0010	SW846 8270E SIM	1	06/20/2024 08:59	S7M	A
Acenaphthylene	0.0010U	U,P1,P2	mg/kg	0.0056	0.0010	SW846 8270E SIM	1	06/20/2024 08:59	S7M	A
Anthracene	0.00090U	U,P1,P2	mg/kg	0.0056	0.00090	SW846 8270E SIM	1	06/20/2024 08:59	S7M	A
Benzo(a)anthracene	0.0057	P1,P2	mg/kg	0.0056	0.00090	SW846 8270E SIM	1	06/20/2024 08:59	S7M	A
Benzo(a)pyrene	0.00090U	U,P1,P2	mg/kg	0.0056	0.00090	SW846 8270E SIM	1	06/20/2024 08:59	S7M	A
Benzo(b)fluoranthene	0.012	P1,P2	mg/kg	0.0056	0.00090	SW846 8270E SIM	1	06/20/2024 08:59	S7M	A
Benzo(g,h,i)perylene	0.017	12,P1,P2	mg/kg	0.0056	0.0011	SW846 8270E SIM	1	06/20/2024 08:59	S7M	A
Benzo(k)fluoranthene	0.0049J	J,P1,P2	mg/kg	0.0056	0.0010	SW846 8270E SIM	1	06/20/2024 08:59	S7M	A
Chrysene	0.016	P1,P2	mg/kg	0.0056	0.0010	SW846 8270E SIM	1	06/20/2024 08:59	S7M	A
Dibenzo(a,h)anthracene	0.0028J	J,P1,P2	mg/kg	0.0056	0.00079	SW846 8270E SIM	1	06/20/2024 08:59	S7M	A
Fluoranthene	0.012	P1,P2	mg/kg	0.0056	0.0010	SW846 8270E SIM	1	06/20/2024 08:59	S7M	A
Fluorene	0.0011U	U,P1,P2	mg/kg	0.0056	0.0011	SW846 8270E SIM	1	06/20/2024 08:59	S7M	A
Indeno(1,2,3-cd)pyrene	0.0046J	J,P1,P2	mg/kg	0.0056	0.00090	SW846 8270E SIM	1	06/20/2024 08:59	S7M	A
Naphthalene	0.025	P1,P2	mg/kg	0.0056	0.0012	SW846 8270E SIM	1	06/20/2024 08:59	S7M	A
Phenanthrene	0.048	P1,P2	mg/kg	0.0056	0.0012	SW846 8270E SIM	1	06/20/2024 08:59	S7M	A



## Results

Client Sample ID	SB-23 (8-10)	Collected	06/05/2024 11:40
Lab Sample ID	3363483042	Lab Receipt	06/08/2024 08:37

### SEMIVOLATILE SIM (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Pyrene	0.019	P1,P2	mg/kg	0.0056	0.00090	SW846 8270E SIM	1	06/20/2024 08:59	S7M	A

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
2-Methylnaphthalene-d10	7297-45-2	82.2%	50 - 150	06/20/2024 08:59	
Fluoranthene-d10	93951-69-0	95.5%	50 - 150	06/20/2024 08:59	

### SEMIVOLATILES

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1-Methylnaphthalene	0.049J	J,P1,P2	mg/kg	0.11	0.019	SW846 8270E	1	06/18/2024 10:25	S7M	A
2-Methylnaphthalene	0.051J	J,P1,P2	mg/kg	0.11	0.019	SW846 8270E	1	06/18/2024 10:25	S7M	A
Acenaphthene	0.019U	U,P1,P2	mg/kg	0.056	0.019	SW846 8270E	1	06/18/2024 10:25	S7M	A
Acenaphthylene	0.019U	U,P1,P2	mg/kg	0.056	0.019	SW846 8270E	1	06/18/2024 10:25	S7M	A
Anthracene	0.019U	U,P1,P2	mg/kg	0.056	0.019	SW846 8270E	1	06/18/2024 10:25	S7M	A
Benzo(a)anthracene	0.019U	U,P1,P2	mg/kg	0.056	0.019	SW846 8270E	1	06/18/2024 10:25	S7M	A
Benzo(a)pyrene	0.019U	U,P1,P2	mg/kg	0.056	0.019	SW846 8270E	1	06/18/2024 10:25	S7M	A
Benzo(b)fluoranthene	0.019U	U,P1,P2	mg/kg	0.056	0.019	SW846 8270E	1	06/18/2024 10:25	S7M	A
Benzo(g,h,i)perylene	0.019U	U,P1,P2	mg/kg	0.056	0.019	SW846 8270E	1	06/18/2024 10:25	S7M	A
Benzo(k)fluoranthene	0.019U	U,P1,P2	mg/kg	0.056	0.019	SW846 8270E	1	06/18/2024 10:25	S7M	A
Carbazole	0.019U	U,P1,P2	mg/kg	0.11	0.019	SW846 8270E	1	06/18/2024 10:25	S7M	A
Chrysene	0.019U	U,P1,P2	mg/kg	0.056	0.019	SW846 8270E	1	06/18/2024 10:25	S7M	A
Dibenzo(a,h)anthracene	0.019U	U,P1,P2	mg/kg	0.056	0.019	SW846 8270E	1	06/18/2024 10:25	S7M	A
Dibenzofuran	0.019U	U,P1,P2	mg/kg	0.11	0.019	SW846 8270E	1	06/18/2024 10:25	S7M	A
Fluoranthene	0.019U	U,P1,P2	mg/kg	0.056	0.019	SW846 8270E	1	06/18/2024 10:25	S7M	A
Fluorene	0.019U	U,P1,P2	mg/kg	0.056	0.019	SW846 8270E	1	06/18/2024 10:25	S7M	A
Indeno(1,2,3-cd)pyrene	0.019U	U,P1,P2	mg/kg	0.056	0.019	SW846 8270E	1	06/18/2024 10:25	S7M	A
Naphthalene	0.023J	J,P1,P2	mg/kg	0.056	0.019	SW846 8270E	1	06/18/2024 10:25	S7M	A
Phenanthrene	0.044J	J,P1,P2	mg/kg	0.056	0.019	SW846 8270E	1	06/18/2024 10:25	S7M	A
Pyrene	0.019U	U,P1,P2	mg/kg	0.056	0.019	SW846 8270E	1	06/18/2024 10:25	S7M	A

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
2,4,6-Tribromophenol	118-79-6	68.1%	19 - 132	06/18/2024 10:25	
2-Fluorobiphenyl	321-60-8	67.3%	40 - 110	06/18/2024 10:25	
2-Fluorophenol	367-12-4	70.4%	26 - 116	06/18/2024 10:25	
Nitrobenzene-d5	4165-60-0	77.7%	38 - 112	06/18/2024 10:25	
Phenol-d5	4165-62-2	76%	35 - 111	06/18/2024 10:25	
Terphenyl-d14	98904-43-9	83.3%	45 - 126	06/18/2024 10:25	

### VOLATILE ORGANICS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1-Trichloroethane	0.00079U	U,P1,P2	mg/kg	0.0026	0.00079	SW846 8260D	1	06/14/2024 16:57	TMP	A3

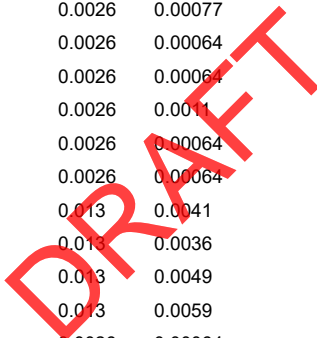


**Results**

Client Sample ID SB-23 (8-10) Collected 06/05/2024 11:40  
 Lab Sample ID 3363483042 Lab Receipt 06/08/2024 08:37

**VOLATILE ORGANICS (cont.)**

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,2,2-Tetrachloroethane	0.00072U	U,P1,P2	mg/kg	0.0026	0.00072	SW846 8260D	1	06/14/2024 16:57	TMP	A3
1,1,2-Trichloroethane	0.00072U	U,P1,P2	mg/kg	0.0026	0.00072	SW846 8260D	1	06/14/2024 16:57	TMP	A3
1,1-Dichloroethane	0.00064U	U,P1,P2	mg/kg	0.0026	0.00064	SW846 8260D	1	06/14/2024 16:57	TMP	A3
1,1-Dichloroethene	0.00067U	U,P1,P2	mg/kg	0.0026	0.00067	SW846 8260D	1	06/14/2024 16:57	TMP	A3
1,1-Dichloropropene	0.00064U	U,P1,P2	mg/kg	0.0026	0.00064	SW846 8260D	1	06/14/2024 16:57	TMP	A3
1,2,3-Trichlorobenzene	0.00064U	U,P1,P2	mg/kg	0.0064	0.00064	SW846 8260D	1	06/14/2024 16:57	TMP	A3
1,2,3-Trichloropropane	0.00064U	U,P1,P2	mg/kg	0.0026	0.00064	SW846 8260D	1	06/14/2024 16:57	TMP	A3
1,2,4-Trichlorobenzene	0.00064U	U,P1,P2	mg/kg	0.0064	0.00064	SW846 8260D	1	06/14/2024 16:57	TMP	A3
1,2,4-Trimethylbenzene	0.00064U	U,P1,P2	mg/kg	0.0026	0.00064	SW846 8260D	1	06/14/2024 16:57	TMP	A3
1,2-Dibromo-3-chloropropane	0.00032U	U,P1,P2	mg/kg	0.0026	0.00032	SW846 8260D	1	06/14/2024 16:57	TMP	A3
1,2-Dibromoethane	0.00069U	U,P1,P2	mg/kg	0.0026	0.00069	SW846 8260D	1	06/14/2024 16:57	TMP	A3
1,2-Dichlorobenzene	0.00064U	U,P1,P2	mg/kg	0.0026	0.00064	SW846 8260D	1	06/14/2024 16:57	TMP	A3
1,2-Dichloroethane	0.00064U	U,P1,P2	mg/kg	0.0026	0.00064	SW846 8260D	1	06/14/2024 16:57	TMP	A3
1,2-Dichloropropane	0.00077U	U,P1,P2	mg/kg	0.0026	0.00077	SW846 8260D	1	06/14/2024 16:57	TMP	A3
1,3,5-Trimethylbenzene	0.00064U	U,P1,P2	mg/kg	0.0026	0.00064	SW846 8260D	1	06/14/2024 16:57	TMP	A3
1,3-Dichlorobenzene	0.00064U	U,P1,P2	mg/kg	0.0026	0.00064	SW846 8260D	1	06/14/2024 16:57	TMP	A3
1,3-Dichloropropane	0.0011U	U,P1,P2	mg/kg	0.0026	0.0011	SW846 8260D	1	06/14/2024 16:57	TMP	A3
1,4-Dichlorobenzene	0.00064U	U,P1,P2	mg/kg	0.0026	0.00064	SW846 8260D	1	06/14/2024 16:57	TMP	A3
2,2-Dichloropropane	0.00064U	U,P1,P2	mg/kg	0.0026	0.00064	SW846 8260D	1	06/14/2024 16:57	TMP	A3
2-Butanone	0.0041U	U,P1,P2	mg/kg	0.013	0.0041	SW846 8260D	1	06/14/2024 16:57	TMP	A3
2-Hexanone	0.0036U	U,P1,P2	mg/kg	0.013	0.0036	SW846 8260D	1	06/14/2024 16:57	TMP	A3
4-Methyl-2-Pentanone(MIBK)	0.0049U	U,P1,P2	mg/kg	0.013	0.0049	SW846 8260D	1	06/14/2024 16:57	TMP	A3
Acetone	0.0091J	J,P1,P2	mg/kg	0.013	0.0059	SW846 8260D	1	06/14/2024 16:57	TMP	A3
Benzene	0.00064U	U,P1,P2	mg/kg	0.0026	0.00064	SW846 8260D	1	06/14/2024 16:57	TMP	A3
Bromobenzene	0.00064U	U,P1,P2	mg/kg	0.0026	0.00064	SW846 8260D	1	06/14/2024 16:57	TMP	A3
Bromochloromethane	0.00064U	U,P1,P2	mg/kg	0.0026	0.00064	SW846 8260D	1	06/14/2024 16:57	TMP	A3
Bromodichloromethane	0.00091U	U,P1,P2	mg/kg	0.0026	0.00091	SW846 8260D	1	06/14/2024 16:57	TMP	A3
Bromoform	0.00067U	U,P1,P2	mg/kg	0.0026	0.00067	SW846 8260D	1	06/14/2024 16:57	TMP	A3
Bromomethane	0.00067U	U,P1,P2	mg/kg	0.0026	0.00067	SW846 8260D	1	06/14/2024 16:57	TMP	A3
Carbon Disulfide	0.00081U	U,P1,P2	mg/kg	0.0026	0.00081	SW846 8260D	1	06/14/2024 16:57	TMP	A3
Carbon Tetrachloride	0.00065U	U,P1,P2	mg/kg	0.0026	0.00065	SW846 8260D	1	06/14/2024 16:57	TMP	A3
Chlorobenzene	0.00065U	U,P1,P2	mg/kg	0.0026	0.00065	SW846 8260D	1	06/14/2024 16:57	TMP	A3
Chlorodibromomethane	0.00087U	U,P1,P2	mg/kg	0.0026	0.00087	SW846 8260D	1	06/14/2024 16:57	TMP	A3
Chloroethane	0.0011U	U,P1,P2	mg/kg	0.0064	0.0011	SW846 8260D	1	06/14/2024 16:57	TMP	A3
Chloroform	0.00068U	U,P1,P2	mg/kg	0.0026	0.00068	SW846 8260D	1	06/14/2024 16:57	TMP	A3
Chloromethane	0.00070U	U,P1,P2	mg/kg	0.0026	0.00070	SW846 8260D	1	06/14/2024 16:57	TMP	A3
cis-1,2-Dichloroethene	0.00064U	U,P1,P2	mg/kg	0.0026	0.00064	SW846 8260D	1	06/14/2024 16:57	TMP	A3
cis-1,3-Dichloropropene	0.00070U	U,P1,P2	mg/kg	0.0026	0.00070	SW846 8260D	1	06/14/2024 16:57	TMP	A3
Dibromomethane	0.00092U	U,P1,P2	mg/kg	0.0026	0.00092	SW846 8260D	1	06/14/2024 16:57	TMP	A3
Dichlorodifluoromethane	0.00086U	U,P1,P2	mg/kg	0.0026	0.00086	SW846 8260D	1	06/14/2024 16:57	TMP	A3
Ethylbenzene	0.00087U	U,P1,P2	mg/kg	0.0026	0.00087	SW846 8260D	1	06/14/2024 16:57	TMP	A3
Freon 113	0.00064U	U,5,6,P1,P2	mg/kg	0.0026	0.00064	SW846 8260D	1	06/14/2024 16:57	TMP	A3
Hexachlorobutadiene	0.00064U	U,P1,P2	mg/kg	0.0064	0.00064	SW846 8260D	1	06/14/2024 16:57	TMP	A3
Isopropylbenzene	0.00078U	U,P1,P2	mg/kg	0.0026	0.00078	SW846 8260D	1	06/14/2024 16:57	TMP	A3
Methyl t-Butyl Ether	0.00064U	U,P1,P2	mg/kg	0.0026	0.00064	SW846 8260D	1	06/14/2024 16:57	TMP	A3
Methylene Chloride	0.0010U	U,P1,P2	mg/kg	0.0026	0.0010	SW846 8260D	1	06/14/2024 16:57	TMP	A3
mp-Xylene	0.0011U	U,P1,P2	mg/kg	0.0051	0.0011	SW846 8260D	1	06/14/2024 16:57	TMP	A3





**Results**

Client Sample ID SB-23 (8-10) Collected 06/05/2024 11:40  
 Lab Sample ID 3363483042 Lab Receipt 06/08/2024 08:37

**VOLATILE ORGANICS (cont.)**

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Naphthalene	0.00064U	U,P1,P2	mg/kg	0.0026	0.00064	SW846 8260D	1	06/14/2024 16:57	TMP	A3
n-Butylbenzene	0.00064U	U,4,P1,P2	mg/kg	0.0026	0.00064	SW846 8260D	1	06/14/2024 16:57	TMP	A3
n-Propylbenzene	0.00064U	U,P1,P2	mg/kg	0.0026	0.00064	SW846 8260D	1	06/14/2024 16:57	TMP	A3
o-Chlorotoluene	0.00064U	U,P1,P2	mg/kg	0.0026	0.00064	SW846 8260D	1	06/14/2024 16:57	TMP	A3
o-Xylene	0.00074U	U,P1,P2	mg/kg	0.0026	0.00074	SW846 8260D	1	06/14/2024 16:57	TMP	A3
p-Chlorotoluene	0.00064U	U,P1,P2	mg/kg	0.0026	0.00064	SW846 8260D	1	06/14/2024 16:57	TMP	A3
p-Isopropyltoluene	0.00064U	U,P1,P2	mg/kg	0.0026	0.00064	SW846 8260D	1	06/14/2024 16:57	TMP	A3
sec-Butylbenzene	0.00064U	U,P1,P2	mg/kg	0.0026	0.00064	SW846 8260D	1	06/14/2024 16:57	TMP	A3
Styrene	0.00064U	U,P1,P2	mg/kg	0.0026	0.00064	SW846 8260D	1	06/14/2024 16:57	TMP	A3
tert-Butylbenzene	0.00070U	U,P1,P2	mg/kg	0.0026	0.00070	SW846 8260D	1	06/14/2024 16:57	TMP	A3
Tetrachloroethene	0.00077U	U,P1,P2	mg/kg	0.0026	0.00077	SW846 8260D	1	06/14/2024 16:57	TMP	A3
Toluene	0.00086U	U,P1,P2	mg/kg	0.0026	0.00086	SW846 8260D	1	06/14/2024 16:57	TMP	A3
Total Xylenes	0.0018U	U,P1,P2	mg/kg	0.0077	0.0018	SW846 8260D	1	06/14/2024 16:57	TMP	A3
trans-1,2-Dichloroethene	0.00067U	U,P1,P2	mg/kg	0.0026	0.00067	SW846 8260D	1	06/14/2024 16:57	TMP	A3
trans-1,3-Dichloropropene	0.00074U	U,P1,P2	mg/kg	0.0026	0.00074	SW846 8260D	1	06/14/2024 16:57	TMP	A3
Trichloroethene	0.00064U	U,P1,P2	mg/kg	0.0026	0.00064	SW846 8260D	1	06/14/2024 16:57	TMP	A3
Trichlorofluoromethane	0.00064U	U,P1,P2	mg/kg	0.0026	0.00064	SW846 8260D	1	06/14/2024 16:57	TMP	A3
Vinyl Chloride	0.00064U	U,P1,P2	mg/kg	0.0026	0.00064	SW846 8260D	1	06/14/2024 16:57	TMP	A3

**SURROGATES**

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	111%	56 - 124	06/14/2024 16:57	
4-Bromofluorobenzene	460-00-4	99.1%	51 - 128	06/14/2024 16:57	
Dibromofluoromethane	1868-53-7	101%	62 - 123	06/14/2024 16:57	
Toluene-d8	2037-26-5	97.8%	59 - 131	06/14/2024 16:57	

**WET CHEMISTRY**

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Moisture	18.1	P1,P2	%	0.1	0.01	S2540G-11	1	06/10/2024 16:21	E1R	A
Total Solids	81.9	P1,P2	%	0.1	0.01	S2540G-11	1	06/10/2024 16:21	E1R	A



## Results

Client Sample ID	SB-24 (4-6)	Collected	06/05/2024 12:00
Lab Sample ID	3363483043	Lab Receipt	06/08/2024 08:37

### GASOLINE RANGE ORGANICS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Gasoline Range Organics	3.7J	J,P1,P2	mg/kg	12.7	2.2	SW846 8015D	100	06/17/2024 20:29	JTH	A1

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
a,a,a-Trifluorotoluene	98-08-8	82.8%	72 - 134	06/17/2024 20:29	

### PETROLEUM HC's

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Diesel Range Organics C10-C28	24.7	P1,P2	mg/kg	12.7	3.5	SW846 8015D	1	06/16/2024 01:22	KJH	A

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
o-Terphenyl	84-15-1	86%	36 - 122	06/16/2024 01:22	

### SEMIVOLATILE SIM

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,4-Dioxane	0.0031U	U,P1,P2	mg/kg	0.0062	0.0031	SW846 8270E SIM	1	06/20/2024 09:26	S7M	A
1-Methylnaphthalene	0.29	P1,P2	mg/kg	0.0062	0.0011	SW846 8270E SIM	1	06/20/2024 09:26	S7M	A
2-Methylnaphthalene	0.14	P1,P2	mg/kg	0.0062	0.0016	SW846 8270E SIM	1	06/20/2024 09:26	S7M	A
Acenaphthene	0.0011U	U,P1,P2	mg/kg	0.0062	0.0011	SW846 8270E SIM	1	06/20/2024 09:26	S7M	A
Acenaphthylene	0.0011U	U,P1,P2	mg/kg	0.0062	0.0011	SW846 8270E SIM	1	06/20/2024 09:26	S7M	A
Anthracene	0.00099U	U,P1,P2	mg/kg	0.0062	0.00099	SW846 8270E SIM	1	06/20/2024 09:26	S7M	A
Benzo(a)anthracene	0.0044J	J,P1,P2	mg/kg	0.0062	0.00099	SW846 8270E SIM	1	06/20/2024 09:26	S7M	A
Benzo(a)pyrene	0.0047J	J,P1,P2	mg/kg	0.0062	0.00099	SW846 8270E SIM	1	06/20/2024 09:26	S7M	A
Benzo(b)fluoranthene	0.012	P1,P2	mg/kg	0.0062	0.00099	SW846 8270E SIM	1	06/20/2024 09:26	S7M	A
Benzo(g,h,i)perylene	0.011	12,P1,P2	mg/kg	0.0062	0.0012	SW846 8270E SIM	1	06/20/2024 09:26	S7M	A
Benzo(k)fluoranthene	0.0084	P1,P2	mg/kg	0.0062	0.0011	SW846 8270E SIM	1	06/20/2024 09:26	S7M	A
Chrysene	0.011	P1,P2	mg/kg	0.0062	0.0011	SW846 8270E SIM	1	06/20/2024 09:26	S7M	A
Dibenzo(a,h)anthracene	0.00086U	U,P1,P2	mg/kg	0.0062	0.00086	SW846 8270E SIM	1	06/20/2024 09:26	S7M	A
Fluoranthene	0.014	P1,P2	mg/kg	0.0062	0.0011	SW846 8270E SIM	1	06/20/2024 09:26	S7M	A
Fluorene	0.0035J	J,P1,P2	mg/kg	0.0062	0.0012	SW846 8270E SIM	1	06/20/2024 09:26	S7M	A
Indeno(1,2,3-cd)pyrene	0.0096	P1,P2	mg/kg	0.0062	0.00099	SW846 8270E SIM	1	06/20/2024 09:26	S7M	A
Naphthalene	0.065	P1,P2	mg/kg	0.0062	0.0014	SW846 8270E SIM	1	06/20/2024 09:26	S7M	A
Phenanthrene	0.016	P1,P2	mg/kg	0.0062	0.0014	SW846 8270E SIM	1	06/20/2024 09:26	S7M	A



## Results

Client Sample ID	SB-24 (4-6)	Collected	06/05/2024 12:00
Lab Sample ID	3363483043	Lab Receipt	06/08/2024 08:37

### SEMIVOLATILE SIM (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Pyrene	0.0094	P1,P2	mg/kg	0.0062	0.00099	SW846 8270E SIM	1	06/20/2024 09:26	S7M	A

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
2-Methylnaphthalene-d10	7297-45-2	68.6%	50 - 150	06/20/2024 09:26	
Fluoranthene-d10	93951-69-0	73.1%	50 - 150	06/20/2024 09:26	

### SEMIVOLATILES

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1-Methylnaphthalene	0.26	P1,P2	mg/kg	0.12	0.021	SW846 8270E	1	06/18/2024 10:50	S7M	A
2-Methylnaphthalene	0.13	P1,P2	mg/kg	0.12	0.021	SW846 8270E	1	06/18/2024 10:50	S7M	A
Acenaphthene	0.021U	U,P1,P2	mg/kg	0.062	0.021	SW846 8270E	1	06/18/2024 10:50	S7M	A
Acenaphthylene	0.021U	U,P1,P2	mg/kg	0.062	0.021	SW846 8270E	1	06/18/2024 10:50	S7M	A
Anthracene	0.021U	U,P1,P2	mg/kg	0.062	0.021	SW846 8270E	1	06/18/2024 10:50	S7M	A
Benzo(a)anthracene	0.021U	U,P1,P2	mg/kg	0.062	0.021	SW846 8270E	1	06/18/2024 10:50	S7M	A
Benzo(a)pyrene	0.021U	U,P1,P2	mg/kg	0.062	0.021	SW846 8270E	1	06/18/2024 10:50	S7M	A
Benzo(b)fluoranthene	0.021U	U,P1,P2	mg/kg	0.062	0.021	SW846 8270E	1	06/18/2024 10:50	S7M	A
Benzo(g,h,i)perylene	0.021U	U,P1,P2	mg/kg	0.062	0.021	SW846 8270E	1	06/18/2024 10:50	S7M	A
Benzo(k)fluoranthene	0.021U	U,P1,P2	mg/kg	0.062	0.021	SW846 8270E	1	06/18/2024 10:50	S7M	A
Carbazole	0.021U	U,P1,P2	mg/kg	0.12	0.021	SW846 8270E	1	06/18/2024 10:50	S7M	A
Chrysene	0.021U	U,P1,P2	mg/kg	0.062	0.021	SW846 8270E	1	06/18/2024 10:50	S7M	A
Dibenzo(a,h)anthracene	0.021U	U,P1,P2	mg/kg	0.062	0.021	SW846 8270E	1	06/18/2024 10:50	S7M	A
Dibenzofuran	0.021U	U,P1,P2	mg/kg	0.12	0.021	SW846 8270E	1	06/18/2024 10:50	S7M	A
Fluoranthene	0.021U	U,P1,P2	mg/kg	0.062	0.021	SW846 8270E	1	06/18/2024 10:50	S7M	A
Fluorene	0.021U	U,P1,P2	mg/kg	0.062	0.021	SW846 8270E	1	06/18/2024 10:50	S7M	A
Indeno(1,2,3-cd)pyrene	0.021U	U,P1,P2	mg/kg	0.062	0.021	SW846 8270E	1	06/18/2024 10:50	S7M	A
Naphthalene	0.043J	J,P1,P2	mg/kg	0.062	0.021	SW846 8270E	1	06/18/2024 10:50	S7M	A
Phenanthrene	0.021U	U,P1,P2	mg/kg	0.062	0.021	SW846 8270E	1	06/18/2024 10:50	S7M	A
Pyrene	0.021U	U,P1,P2	mg/kg	0.062	0.021	SW846 8270E	1	06/18/2024 10:50	S7M	A

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
2,4,6-Tribromophenol	118-79-6	57.8%	19 - 132	06/18/2024 10:50	
2-Fluorobiphenyl	321-60-8	56.1%	40 - 110	06/18/2024 10:50	
2-Fluorophenol	367-12-4	55.9%	26 - 116	06/18/2024 10:50	
Nitrobenzene-d5	4165-60-0	63.7%	38 - 112	06/18/2024 10:50	
Phenol-d5	4165-62-2	60.6%	35 - 111	06/18/2024 10:50	
Terphenyl-d14	98904-43-9	67.5%	45 - 126	06/18/2024 10:50	

### VOLATILE ORGANICS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1-Trichloroethane	0.00075U	U,P1,P2	mg/kg	0.0024	0.00075	SW846 8260D	1	06/14/2024 17:23	TMP	A2



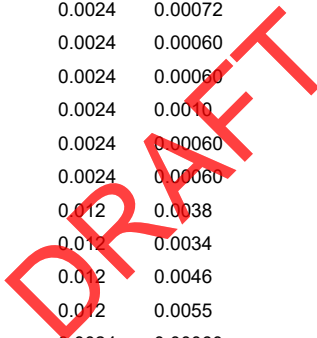


**Results**

Client Sample ID	SB-24 (4-6)	Collected	06/05/2024 12:00
Lab Sample ID	3363483043	Lab Receipt	06/08/2024 08:37

**VOLATILE ORGANICS (cont.)**

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,2,2-Tetrachloroethane	0.00067U	U,P1,P2	mg/kg	0.0024	0.00067	SW846 8260D	1	06/14/2024 17:23	TMP	A2
1,1,2-Trichloroethane	0.00067U	U,P1,P2	mg/kg	0.0024	0.00067	SW846 8260D	1	06/14/2024 17:23	TMP	A2
1,1-Dichloroethane	0.00060U	U,P1,P2	mg/kg	0.0024	0.00060	SW846 8260D	1	06/14/2024 17:23	TMP	A2
1,1-Dichloroethene	0.00063U	U,P1,P2	mg/kg	0.0024	0.00063	SW846 8260D	1	06/14/2024 17:23	TMP	A2
1,1-Dichloropropene	0.00060U	U,P1,P2	mg/kg	0.0024	0.00060	SW846 8260D	1	06/14/2024 17:23	TMP	A2
1,2,3-Trichlorobenzene	0.00060U	U,P1,P2	mg/kg	0.0060	0.00060	SW846 8260D	1	06/14/2024 17:23	TMP	A2
1,2,3-Trichloropropane	0.00060U	U,P1,P2	mg/kg	0.0024	0.00060	SW846 8260D	1	06/14/2024 17:23	TMP	A2
1,2,4-Trichlorobenzene	0.00060U	U,P1,P2	mg/kg	0.0060	0.00060	SW846 8260D	1	06/14/2024 17:23	TMP	A2
1,2,4-Trimethylbenzene	0.00060U	U,P1,P2	mg/kg	0.0024	0.00060	SW846 8260D	1	06/14/2024 17:23	TMP	A2
1,2-Dibromo-3-chloropropane	0.00030U	U,P1,P2	mg/kg	0.0024	0.00030	SW846 8260D	1	06/14/2024 17:23	TMP	A2
1,2-Dibromoethane	0.00065U	U,P1,P2	mg/kg	0.0024	0.00065	SW846 8260D	1	06/14/2024 17:23	TMP	A2
1,2-Dichlorobenzene	0.00060U	U,P1,P2	mg/kg	0.0024	0.00060	SW846 8260D	1	06/14/2024 17:23	TMP	A2
1,2-Dichloroethane	0.00060U	U,P1,P2	mg/kg	0.0024	0.00060	SW846 8260D	1	06/14/2024 17:23	TMP	A2
1,2-Dichloropropane	0.00072U	U,P1,P2	mg/kg	0.0024	0.00072	SW846 8260D	1	06/14/2024 17:23	TMP	A2
1,3,5-Trimethylbenzene	0.00060U	U,P1,P2	mg/kg	0.0024	0.00060	SW846 8260D	1	06/14/2024 17:23	TMP	A2
1,3-Dichlorobenzene	0.00060U	U,P1,P2	mg/kg	0.0024	0.00060	SW846 8260D	1	06/14/2024 17:23	TMP	A2
1,3-Dichloropropane	0.0010U	U,P1,P2	mg/kg	0.0024	0.0010	SW846 8260D	1	06/14/2024 17:23	TMP	A2
1,4-Dichlorobenzene	0.00060U	U,P1,P2	mg/kg	0.0024	0.00060	SW846 8260D	1	06/14/2024 17:23	TMP	A2
2,2-Dichloropropane	0.00060U	U,P1,P2	mg/kg	0.0024	0.00060	SW846 8260D	1	06/14/2024 17:23	TMP	A2
2-Butanone	0.0089J	J,P1,P2	mg/kg	0.012	0.0038	SW846 8260D	1	06/14/2024 17:23	TMP	A2
2-Hexanone	0.0034U	U,P1,P2	mg/kg	0.012	0.0034	SW846 8260D	1	06/14/2024 17:23	TMP	A2
4-Methyl-2-Pentanone(MIBK)	0.0046U	U,P1,P2	mg/kg	0.012	0.0046	SW846 8260D	1	06/14/2024 17:23	TMP	A2
Acetone	0.12	P1,P2	mg/kg	0.012	0.0055	SW846 8260D	1	06/14/2024 17:23	TMP	A2
Benzene	0.00060U	U,P1,P2	mg/kg	0.0024	0.00060	SW846 8260D	1	06/14/2024 17:23	TMP	A2
Bromobenzene	0.00060U	U,P1,P2	mg/kg	0.0024	0.00060	SW846 8260D	1	06/14/2024 17:23	TMP	A2
Bromochloromethane	0.00060U	U,P1,P2	mg/kg	0.0024	0.00060	SW846 8260D	1	06/14/2024 17:23	TMP	A2
Bromodichloromethane	0.00085U	U,P1,P2	mg/kg	0.0024	0.00085	SW846 8260D	1	06/14/2024 17:23	TMP	A2
Bromoform	0.00063U	U,P1,P2	mg/kg	0.0024	0.00063	SW846 8260D	1	06/14/2024 17:23	TMP	A2
Bromomethane	0.00063U	U,P1,P2	mg/kg	0.0024	0.00063	SW846 8260D	1	06/14/2024 17:23	TMP	A2
Carbon Disulfide	0.00076U	U,P1,P2	mg/kg	0.0024	0.00076	SW846 8260D	1	06/14/2024 17:23	TMP	A2
Carbon Tetrachloride	0.00061U	U,P1,P2	mg/kg	0.0024	0.00061	SW846 8260D	1	06/14/2024 17:23	TMP	A2
Chlorobenzene	0.00061U	U,P1,P2	mg/kg	0.0024	0.00061	SW846 8260D	1	06/14/2024 17:23	TMP	A2
Chlorodibromomethane	0.00082U	U,P1,P2	mg/kg	0.0024	0.00082	SW846 8260D	1	06/14/2024 17:23	TMP	A2
Chloroethane	0.0010U	U,P1,P2	mg/kg	0.0060	0.0010	SW846 8260D	1	06/14/2024 17:23	TMP	A2
Chloroform	0.00064U	U,P1,P2	mg/kg	0.0024	0.00064	SW846 8260D	1	06/14/2024 17:23	TMP	A2
Chloromethane	0.00066U	U,P1,P2	mg/kg	0.0024	0.00066	SW846 8260D	1	06/14/2024 17:23	TMP	A2
cis-1,2-Dichloroethene	0.00060U	U,P1,P2	mg/kg	0.0024	0.00060	SW846 8260D	1	06/14/2024 17:23	TMP	A2
cis-1,3-Dichloropropene	0.00066U	U,P1,P2	mg/kg	0.0024	0.00066	SW846 8260D	1	06/14/2024 17:23	TMP	A2
Dibromomethane	0.00087U	U,P1,P2	mg/kg	0.0024	0.00087	SW846 8260D	1	06/14/2024 17:23	TMP	A2
Dichlorodifluoromethane	0.00081U	U,P1,P2	mg/kg	0.0024	0.00081	SW846 8260D	1	06/14/2024 17:23	TMP	A2
Ethylbenzene	0.00082U	U,P1,P2	mg/kg	0.0024	0.00082	SW846 8260D	1	06/14/2024 17:23	TMP	A2
Freon 113	0.00060U	U,5,6,P1,P2	mg/kg	0.0024	0.00060	SW846 8260D	1	06/14/2024 17:23	TMP	A2
Hexachlorobutadiene	0.00060U	U,P1,P2	mg/kg	0.0060	0.00060	SW846 8260D	1	06/14/2024 17:23	TMP	A2
Isopropylbenzene	0.00073U	U,P1,P2	mg/kg	0.0024	0.00073	SW846 8260D	1	06/14/2024 17:23	TMP	A2
Methyl t-Butyl Ether	0.00060U	U,P1,P2	mg/kg	0.0024	0.00060	SW846 8260D	1	06/14/2024 17:23	TMP	A2
Methylene Chloride	0.0032	P1,P2	mg/kg	0.0024	0.00094	SW846 8260D	1	06/14/2024 17:23	TMP	A2
mp-Xylene	0.0010U	U,P1,P2	mg/kg	0.0048	0.0010	SW846 8260D	1	06/14/2024 17:23	TMP	A2





## Results

Client Sample ID	SB-24 (4-6)	Collected	06/05/2024 12:00
Lab Sample ID	3363483043	Lab Receipt	06/08/2024 08:37

### VOLATILE ORGANICS (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Naphthalene	0.00060U	U,P1,P2	mg/kg	0.0024	0.00060	SW846 8260D	1	06/14/2024 17:23	TMP	A2
n-Butylbenzene	0.00060U	U,4,P1,P2	mg/kg	0.0024	0.00060	SW846 8260D	1	06/14/2024 17:23	TMP	A2
n-Propylbenzene	0.00060U	U,P1,P2	mg/kg	0.0024	0.00060	SW846 8260D	1	06/14/2024 17:23	TMP	A2
o-Chlorotoluene	0.00060U	U,P1,P2	mg/kg	0.0024	0.00060	SW846 8260D	1	06/14/2024 17:23	TMP	A2
o-Xylene	0.00070U	U,P1,P2	mg/kg	0.0024	0.00070	SW846 8260D	1	06/14/2024 17:23	TMP	A2
p-Chlorotoluene	0.00060U	U,P1,P2	mg/kg	0.0024	0.00060	SW846 8260D	1	06/14/2024 17:23	TMP	A2
p-Isopropyltoluene	0.00060U	U,P1,P2	mg/kg	0.0024	0.00060	SW846 8260D	1	06/14/2024 17:23	TMP	A2
sec-Butylbenzene	0.00060U	U,P1,P2	mg/kg	0.0024	0.00060	SW846 8260D	1	06/14/2024 17:23	TMP	A2
Styrene	0.00060U	U,P1,P2	mg/kg	0.0024	0.00060	SW846 8260D	1	06/14/2024 17:23	TMP	A2
tert-Butylbenzene	0.00066U	U,P1,P2	mg/kg	0.0024	0.00066	SW846 8260D	1	06/14/2024 17:23	TMP	A2
Tetrachloroethene	0.00072U	U,P1,P2	mg/kg	0.0024	0.00072	SW846 8260D	1	06/14/2024 17:23	TMP	A2
Toluene	0.00081U	U,P1,P2	mg/kg	0.0024	0.00081	SW846 8260D	1	06/14/2024 17:23	TMP	A2
Total Xylenes	0.0017U	U,P1,P2	mg/kg	0.0072	0.0017	SW846 8260D	1	06/14/2024 17:23	TMP	A2
trans-1,2-Dichloroethene	0.00063U	U,P1,P2	mg/kg	0.0024	0.00063	SW846 8260D	1	06/14/2024 17:23	TMP	A2
trans-1,3-Dichloropropene	0.00070U	U,P1,P2	mg/kg	0.0024	0.00070	SW846 8260D	1	06/14/2024 17:23	TMP	A2
Trichloroethene	0.00060U	U,P1,P2	mg/kg	0.0024	0.00060	SW846 8260D	1	06/14/2024 17:23	TMP	A2
Trichlorofluoromethane	0.00060U	U,P1,P2	mg/kg	0.0024	0.00060	SW846 8260D	1	06/14/2024 17:23	TMP	A2
Vinyl Chloride	0.00060U	U,P1,P2	mg/kg	0.0024	0.00060	SW846 8260D	1	06/14/2024 17:23	TMP	A2

### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	115%	56 - 124	06/14/2024 17:23	
4-Bromofluorobenzene	460-00-4	98.4%	51 - 128	06/14/2024 17:23	
Dibromofluoromethane	1868-53-7	103%	62 - 123	06/14/2024 17:23	
Toluene-d8	2037-26-5	96.5%	59 - 131	06/14/2024 17:23	

### WET CHEMISTRY

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Moisture	20.5	P1,P2	%	0.1	0.01	S2540G-11	1	06/10/2024 16:21	E1R	A
Total Solids	79.5	P1,P2	%	0.1	0.01	S2540G-11	1	06/10/2024 16:21	E1R	A



## Results

Client Sample ID	SB-24 (6-8)	Collected	06/05/2024 12:00
Lab Sample ID	3363483044	Lab Receipt	06/08/2024 08:37

### GASOLINE RANGE ORGANICS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Gasoline Range Organics	5.8J	J,P1,P2	mg/kg	11.6	2.0	SW846 8015D	100	06/17/2024 20:55	JTH	A1

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
a,a,a-Trifluorotoluene	98-08-8	88.2%	72 - 134	06/17/2024 20:55	

### PETROLEUM HC's

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Diesel Range Organics C10-C28	24.5	P1,P2	mg/kg	11.8	3.2	SW846 8015D	1	06/18/2024 23:37	KJH	A

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
o-Terphenyl	84-15-1	92.4%	36 - 122	06/18/2024 23:37	

### SEMIVOLATILE SIM

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,4-Dioxane	0.0026U	U,P1,P2	mg/kg	0.0053	0.0026	SW846 8270E SIM	1	06/20/2024 10:47	S7M	A
1-Methylnaphthalene	0.48	P1,P2	mg/kg	0.0053	0.00095	SW846 8270E SIM	1	06/20/2024 10:47	S7M	A
2-Methylnaphthalene	0.22	P1,P2	mg/kg	0.0053	0.0014	SW846 8270E SIM	1	06/20/2024 10:47	S7M	A
Acenaphthene	0.00095U	U,P1,P2	mg/kg	0.0053	0.00095	SW846 8270E SIM	1	06/20/2024 10:47	S7M	A
Acenaphthylene	0.00095U	U,P1,P2	mg/kg	0.0053	0.00095	SW846 8270E SIM	1	06/20/2024 10:47	S7M	A
Anthracene	0.0022J	J,P1,P2	mg/kg	0.0053	0.00085	SW846 8270E SIM	1	06/20/2024 10:47	S7M	A
Benzo(a)anthracene	0.0092	P1,P2	mg/kg	0.0053	0.00085	SW846 8270E SIM	1	06/20/2024 10:47	S7M	A
Benzo(a)pyrene	0.0054	P1,P2	mg/kg	0.0053	0.00085	SW846 8270E SIM	1	06/20/2024 10:47	S7M	A
Benzo(b)fluoranthene	0.011	P1,P2	mg/kg	0.0053	0.00085	SW846 8270E SIM	1	06/20/2024 10:47	S7M	A
Benzo(g,h,i)perylene	0.014	12,P1,P2	mg/kg	0.0053	0.0011	SW846 8270E SIM	1	06/20/2024 10:47	S7M	A
Benzo(k)fluoranthene	0.0055	P1,P2	mg/kg	0.0053	0.00095	SW846 8270E SIM	1	06/20/2024 10:47	S7M	A
Chrysene	0.022	P1,P2	mg/kg	0.0053	0.00095	SW846 8270E SIM	1	06/20/2024 10:47	S7M	A
Dibenzo(a,h)anthracene	0.0029J	J,P1,P2	mg/kg	0.0053	0.00074	SW846 8270E SIM	1	06/20/2024 10:47	S7M	A
Fluoranthene	0.017	P1,P2	mg/kg	0.0053	0.00095	SW846 8270E SIM	1	06/20/2024 10:47	S7M	A
Fluorene	0.0051J	J,P1,P2	mg/kg	0.0053	0.0011	SW846 8270E SIM	1	06/20/2024 10:47	S7M	A
Indeno(1,2,3-cd)pyrene	0.0034J	J,P1,P2	mg/kg	0.0053	0.00085	SW846 8270E SIM	1	06/20/2024 10:47	S7M	A
Naphthalene	0.10	P1,P2	mg/kg	0.0053	0.0012	SW846 8270E SIM	1	06/20/2024 10:47	S7M	A
Phenanthrene	0.074	P1,P2	mg/kg	0.0053	0.0012	SW846 8270E SIM	1	06/20/2024 10:47	S7M	A



## Results

Client Sample ID	SB-24 (6-8)	Collected	06/05/2024 12:00
Lab Sample ID	3363483044	Lab Receipt	06/08/2024 08:37

### SEMIVOLATILE SIM (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Pyrene	0.029	P1,P2	mg/kg	0.0053	0.00085	SW846 8270E SIM	1	06/20/2024 10:47	S7M	A

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
2-Methylnaphthalene-d10	7297-45-2	87.7%	50 - 150	06/20/2024 10:47	
Fluoranthene-d10	93951-69-0	98.8%	50 - 150	06/20/2024 10:47	

### SEMIVOLATILES

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1-Methylnaphthalene	0.44	P1,P2	mg/kg	0.11	0.018	SW846 8270E	1	06/18/2024 11:15	S7M	A
2-Methylnaphthalene	0.20	P1,P2	mg/kg	0.11	0.018	SW846 8270E	1	06/18/2024 11:15	S7M	A
Acenaphthene	0.018U	U,P1,P2	mg/kg	0.053	0.018	SW846 8270E	1	06/18/2024 11:15	S7M	A
Acenaphthylene	0.018U	U,P1,P2	mg/kg	0.053	0.018	SW846 8270E	1	06/18/2024 11:15	S7M	A
Anthracene	0.018U	U,P1,P2	mg/kg	0.053	0.018	SW846 8270E	1	06/18/2024 11:15	S7M	A
Benzo(a)anthracene	0.018U	U,P1,P2	mg/kg	0.053	0.018	SW846 8270E	1	06/18/2024 11:15	S7M	A
Benzo(a)pyrene	0.018U	U,P1,P2	mg/kg	0.053	0.018	SW846 8270E	1	06/18/2024 11:15	S7M	A
Benzo(b)fluoranthene	0.018U	U,P1,P2	mg/kg	0.053	0.018	SW846 8270E	1	06/18/2024 11:15	S7M	A
Benzo(g,h,i)perylene	0.018U	U,P1,P2	mg/kg	0.053	0.018	SW846 8270E	1	06/18/2024 11:15	S7M	A
Benzo(k)fluoranthene	0.018U	U,P1,P2	mg/kg	0.053	0.018	SW846 8270E	1	06/18/2024 11:15	S7M	A
Carbazole	0.018U	U,P1,P2	mg/kg	0.11	0.018	SW846 8270E	1	06/18/2024 11:15	S7M	A
Chrysene	0.020J	J,P1,P2	mg/kg	0.053	0.018	SW846 8270E	1	06/18/2024 11:15	S7M	A
Dibenzo(a,h)anthracene	0.018U	U,P1,P2	mg/kg	0.053	0.018	SW846 8270E	1	06/18/2024 11:15	S7M	A
Dibenzofuran	0.018U	U,P1,P2	mg/kg	0.11	0.018	SW846 8270E	1	06/18/2024 11:15	S7M	A
Fluoranthene	0.018U	U,P1,P2	mg/kg	0.053	0.018	SW846 8270E	1	06/18/2024 11:15	S7M	A
Fluorene	0.018U	U,P1,P2	mg/kg	0.053	0.018	SW846 8270E	1	06/18/2024 11:15	S7M	A
Indeno(1,2,3-cd)pyrene	0.018U	U,P1,P2	mg/kg	0.053	0.018	SW846 8270E	1	06/18/2024 11:15	S7M	A
Naphthalene	0.058	P1,P2	mg/kg	0.053	0.018	SW846 8270E	1	06/18/2024 11:15	S7M	A
Phenanthrene	0.065	P1,P2	mg/kg	0.053	0.018	SW846 8270E	1	06/18/2024 11:15	S7M	A
Pyrene	0.025J	J,P1,P2	mg/kg	0.053	0.018	SW846 8270E	1	06/18/2024 11:15	S7M	A

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
2,4,6-Tribromophenol	118-79-6	73.5%	19 - 132	06/18/2024 11:15	
2-Fluorobiphenyl	321-60-8	71.3%	40 - 110	06/18/2024 11:15	
2-Fluorophenol	367-12-4	72.4%	26 - 116	06/18/2024 11:15	
Nitrobenzene-d5	4165-60-0	84.1%	38 - 112	06/18/2024 11:15	
Phenol-d5	4165-62-2	79.1%	35 - 111	06/18/2024 11:15	
Terphenyl-d14	98904-43-9	88.6%	45 - 126	06/18/2024 11:15	

### VOLATILE ORGANICS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1-Trichloroethane	0.00068U	U,P1,P2	mg/kg	0.0022	0.00068	SW846 8260D	1	06/14/2024 17:48	TMP	A2

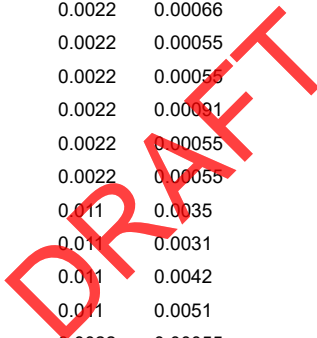


**Results**

Client Sample ID	SB-24 (6-8)	Collected	06/05/2024 12:00
Lab Sample ID	3363483044	Lab Receipt	06/08/2024 08:37

**VOLATILE ORGANICS (cont.)**

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,2,2-Tetrachloroethane	0.00062U	U,P1,P2	mg/kg	0.0022	0.00062	SW846 8260D	1	06/14/2024 17:48	TMP	A2
1,1,2-Trichloroethane	0.00062U	U,P1,P2	mg/kg	0.0022	0.00062	SW846 8260D	1	06/14/2024 17:48	TMP	A2
1,1-Dichloroethane	0.00055U	U,P1,P2	mg/kg	0.0022	0.00055	SW846 8260D	1	06/14/2024 17:48	TMP	A2
1,1-Dichloroethene	0.00057U	U,P1,P2	mg/kg	0.0022	0.00057	SW846 8260D	1	06/14/2024 17:48	TMP	A2
1,1-Dichloropropene	0.00055U	U,P1,P2	mg/kg	0.0022	0.00055	SW846 8260D	1	06/14/2024 17:48	TMP	A2
1,2,3-Trichlorobenzene	0.00055U	U,P1,P2	mg/kg	0.0055	0.00055	SW846 8260D	1	06/14/2024 17:48	TMP	A2
1,2,3-Trichloropropane	0.00055U	U,P1,P2	mg/kg	0.0022	0.00055	SW846 8260D	1	06/14/2024 17:48	TMP	A2
1,2,4-Trichlorobenzene	0.00055U	U,P1,P2	mg/kg	0.0055	0.00055	SW846 8260D	1	06/14/2024 17:48	TMP	A2
1,2,4-Trimethylbenzene	0.00055U	U,P1,P2	mg/kg	0.0022	0.00055	SW846 8260D	1	06/14/2024 17:48	TMP	A2
1,2-Dibromo-3-chloropropane	0.00027U	U,P1,P2	mg/kg	0.0022	0.00027	SW846 8260D	1	06/14/2024 17:48	TMP	A2
1,2-Dibromoethane	0.00059U	U,P1,P2	mg/kg	0.0022	0.00059	SW846 8260D	1	06/14/2024 17:48	TMP	A2
1,2-Dichlorobenzene	0.00055U	U,P1,P2	mg/kg	0.0022	0.00055	SW846 8260D	1	06/14/2024 17:48	TMP	A2
1,2-Dichloroethane	0.00055U	U,P1,P2	mg/kg	0.0022	0.00055	SW846 8260D	1	06/14/2024 17:48	TMP	A2
1,2-Dichloropropane	0.00066U	U,P1,P2	mg/kg	0.0022	0.00066	SW846 8260D	1	06/14/2024 17:48	TMP	A2
1,3,5-Trimethylbenzene	0.00055U	U,P1,P2	mg/kg	0.0022	0.00055	SW846 8260D	1	06/14/2024 17:48	TMP	A2
1,3-Dichlorobenzene	0.00055U	U,P1,P2	mg/kg	0.0022	0.00055	SW846 8260D	1	06/14/2024 17:48	TMP	A2
1,3-Dichloropropane	0.00091U	U,P1,P2	mg/kg	0.0022	0.00091	SW846 8260D	1	06/14/2024 17:48	TMP	A2
1,4-Dichlorobenzene	0.00055U	U,P1,P2	mg/kg	0.0022	0.00055	SW846 8260D	1	06/14/2024 17:48	TMP	A2
2,2-Dichloropropane	0.00055U	U,P1,P2	mg/kg	0.0022	0.00055	SW846 8260D	1	06/14/2024 17:48	TMP	A2
2-Butanone	0.0073J	J,P1,P2	mg/kg	0.011	0.0035	SW846 8260D	1	06/14/2024 17:48	TMP	A2
2-Hexanone	0.0031U	U,P1,P2	mg/kg	0.011	0.0031	SW846 8260D	1	06/14/2024 17:48	TMP	A2
4-Methyl-2-Pentanone(MIBK)	0.0042U	U,P1,P2	mg/kg	0.011	0.0042	SW846 8260D	1	06/14/2024 17:48	TMP	A2
Acetone	0.051	P1,P2	mg/kg	0.011	0.0051	SW846 8260D	1	06/14/2024 17:48	TMP	A2
Benzene	0.00055U	U,P1,P2	mg/kg	0.0022	0.00055	SW846 8260D	1	06/14/2024 17:48	TMP	A2
Bromobenzene	0.00055U	U,P1,P2	mg/kg	0.0022	0.00055	SW846 8260D	1	06/14/2024 17:48	TMP	A2
Bromochloromethane	0.00055U	U,P1,P2	mg/kg	0.0022	0.00055	SW846 8260D	1	06/14/2024 17:48	TMP	A2
Bromodichloromethane	0.00078U	U,P1,P2	mg/kg	0.0022	0.00078	SW846 8260D	1	06/14/2024 17:48	TMP	A2
Bromoform	0.00057U	U,P1,P2	mg/kg	0.0022	0.00057	SW846 8260D	1	06/14/2024 17:48	TMP	A2
Bromomethane	0.00057U	U,P1,P2	mg/kg	0.0022	0.00057	SW846 8260D	1	06/14/2024 17:48	TMP	A2
Carbon Disulfide	0.00069U	U,P1,P2	mg/kg	0.0022	0.00069	SW846 8260D	1	06/14/2024 17:48	TMP	A2
Carbon Tetrachloride	0.00056U	U,P1,P2	mg/kg	0.0022	0.00056	SW846 8260D	1	06/14/2024 17:48	TMP	A2
Chlorobenzene	0.00056U	U,P1,P2	mg/kg	0.0022	0.00056	SW846 8260D	1	06/14/2024 17:48	TMP	A2
Chlorodibromomethane	0.00075U	U,P1,P2	mg/kg	0.0022	0.00075	SW846 8260D	1	06/14/2024 17:48	TMP	A2
Chloroethane	0.00093U	U,P1,P2	mg/kg	0.0055	0.00093	SW846 8260D	1	06/14/2024 17:48	TMP	A2
Chloroform	0.00058U	U,P1,P2	mg/kg	0.0022	0.00058	SW846 8260D	1	06/14/2024 17:48	TMP	A2
Chloromethane	0.00060U	U,P1,P2	mg/kg	0.0022	0.00060	SW846 8260D	1	06/14/2024 17:48	TMP	A2
cis-1,2-Dichloroethene	0.00055U	U,P1,P2	mg/kg	0.0022	0.00055	SW846 8260D	1	06/14/2024 17:48	TMP	A2
cis-1,3-Dichloropropene	0.00060U	U,P1,P2	mg/kg	0.0022	0.00060	SW846 8260D	1	06/14/2024 17:48	TMP	A2
Dibromomethane	0.00079U	U,P1,P2	mg/kg	0.0022	0.00079	SW846 8260D	1	06/14/2024 17:48	TMP	A2
Dichlorodifluoromethane	0.00074U	U,P1,P2	mg/kg	0.0022	0.00074	SW846 8260D	1	06/14/2024 17:48	TMP	A2
Ethylbenzene	0.00075U	U,P1,P2	mg/kg	0.0022	0.00075	SW846 8260D	1	06/14/2024 17:48	TMP	A2
Freon 113	0.00055U	U,5,6,P1,P2	mg/kg	0.0022	0.00055	SW846 8260D	1	06/14/2024 17:48	TMP	A2
Hexachlorobutadiene	0.00055U	U,P1,P2	mg/kg	0.0055	0.00055	SW846 8260D	1	06/14/2024 17:48	TMP	A2
Isopropylbenzene	0.00067U	U,P1,P2	mg/kg	0.0022	0.00067	SW846 8260D	1	06/14/2024 17:48	TMP	A2
Methyl t-Butyl Ether	0.00055U	U,P1,P2	mg/kg	0.0022	0.00055	SW846 8260D	1	06/14/2024 17:48	TMP	A2
Methylene Chloride	0.0018J	J,P1,P2	mg/kg	0.0022	0.00086	SW846 8260D	1	06/14/2024 17:48	TMP	A2
mp-Xylene	0.00091U	U,P1,P2	mg/kg	0.0044	0.00091	SW846 8260D	1	06/14/2024 17:48	TMP	A2





## Results

Client Sample ID	SB-24 (6-8)	Collected	06/05/2024 12:00
Lab Sample ID	3363483044	Lab Receipt	06/08/2024 08:37

### VOLATILE ORGANICS (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Naphthalene	0.00055U	U,P1,P2	mg/kg	0.0022	0.00055	SW846 8260D	1	06/14/2024 17:48	TMP	A2
n-Butylbenzene	0.00055U	U,4,P1,P2	mg/kg	0.0022	0.00055	SW846 8260D	1	06/14/2024 17:48	TMP	A2
n-Propylbenzene	0.00055U	U,P1,P2	mg/kg	0.0022	0.00055	SW846 8260D	1	06/14/2024 17:48	TMP	A2
o-Chlorotoluene	0.00055U	U,P1,P2	mg/kg	0.0022	0.00055	SW846 8260D	1	06/14/2024 17:48	TMP	A2
o-Xylene	0.00064U	U,P1,P2	mg/kg	0.0022	0.00064	SW846 8260D	1	06/14/2024 17:48	TMP	A2
p-Chlorotoluene	0.00055U	U,P1,P2	mg/kg	0.0022	0.00055	SW846 8260D	1	06/14/2024 17:48	TMP	A2
p-Isopropyltoluene	0.00055U	U,P1,P2	mg/kg	0.0022	0.00055	SW846 8260D	1	06/14/2024 17:48	TMP	A2
sec-Butylbenzene	0.0011J	J,P1,P2	mg/kg	0.0022	0.00055	SW846 8260D	1	06/14/2024 17:48	TMP	A2
Styrene	0.00055U	U,P1,P2	mg/kg	0.0022	0.00055	SW846 8260D	1	06/14/2024 17:48	TMP	A2
tert-Butylbenzene	0.00060U	U,P1,P2	mg/kg	0.0022	0.00060	SW846 8260D	1	06/14/2024 17:48	TMP	A2
Tetrachloroethene	0.00066U	U,P1,P2	mg/kg	0.0022	0.00066	SW846 8260D	1	06/14/2024 17:48	TMP	A2
Toluene	0.00074U	U,P1,P2	mg/kg	0.0022	0.00074	SW846 8260D	1	06/14/2024 17:48	TMP	A2
Total Xylenes	0.0015U	U,P1,P2	mg/kg	0.0066	0.0015	SW846 8260D	1	06/14/2024 17:48	TMP	A2
trans-1,2-Dichloroethene	0.00057U	U,P1,P2	mg/kg	0.0022	0.00057	SW846 8260D	1	06/14/2024 17:48	TMP	A2
trans-1,3-Dichloropropene	0.00064U	U,P1,P2	mg/kg	0.0022	0.00064	SW846 8260D	1	06/14/2024 17:48	TMP	A2
Trichloroethene	0.00055U	U,P1,P2	mg/kg	0.0022	0.00055	SW846 8260D	1	06/14/2024 17:48	TMP	A2
Trichlorofluoromethane	0.00055U	U,P1,P2	mg/kg	0.0022	0.00055	SW846 8260D	1	06/14/2024 17:48	TMP	A2
Vinyl Chloride	0.00055U	U,P1,P2	mg/kg	0.0022	0.00055	SW846 8260D	1	06/14/2024 17:48	TMP	A2

### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	117%	56 - 124	06/14/2024 17:48	
4-Bromofluorobenzene	460-00-4	101%	51 - 128	06/14/2024 17:48	
Dibromofluoromethane	1868-53-7	102%	62 - 123	06/14/2024 17:48	
Toluene-d8	2037-26-5	96.2%	59 - 131	06/14/2024 17:48	

### WET CHEMISTRY

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Moisture	10.7	P1,P2	%	0.1	0.01	S2540G-11	1	06/10/2024 16:21	E1R	A
Total Solids	89.3	P1,P2	%	0.1	0.01	S2540G-11	1	06/10/2024 16:21	E1R	A





## Results

Client Sample ID	MW-05 (6-8)	Collected	06/03/2024 16:05
Lab Sample ID	3363483045	Lab Receipt	06/08/2024 12:19

### GASOLINE RANGE ORGANICS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Gasoline Range Organics	188	P1,P2,S16	mg/kg	11.5	1.9	SW846 8015D	100	06/14/2024 12:12	JTH	A1

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
a,a,a-Trifluorotoluene	98-08-8	102%	72 - 134	06/14/2024 12:12	

### PETROLEUM HC's

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Diesel Range Organics C10-C28	1580	P1,P2,S16	mg/kg	120	32.8	SW846 8015D	10	06/18/2024 04:09	DXL	A

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
o-Terphenyl	84-15-1	120%	36 - 122	06/18/2024 04:09	

### SEMIVOLATILE SIM

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,4-Dioxane	0.0028U	U,P1,P2,S16	mg/kg	0.0057	0.0028	SW846 8270E SIM	1	06/20/2024 11:15	S7M	A
1-Methylnaphthalene	0.73	E,P1,P2,S16	mg/kg	0.0057	0.0010	SW846 8270E SIM	1	06/20/2024 11:15	S7M	A
2-Methylnaphthalene	0.078	P1,P2,S16	mg/kg	0.0057	0.0015	SW846 8270E SIM	1	06/20/2024 11:15	S7M	A
Acenaphthene	0.0010U	U,P1,P2,S16	mg/kg	0.0057	0.0010	SW846 8270E SIM	1	06/20/2024 11:15	S7M	A
Acenaphthylene	0.0010U	U,P1,P2,S16	mg/kg	0.0057	0.0010	SW846 8270E SIM	1	06/20/2024 11:15	S7M	A
Anthracene	0.26	P1,P2,S16	mg/kg	0.0057	0.00091	SW846 8270E SIM	1	06/20/2024 11:15	S7M	A
Benzo(a)anthracene	0.0034J	J,P1,P2,S16	mg/kg	0.0057	0.00091	SW846 8270E SIM	1	06/20/2024 11:15	S7M	A
Benzo(a)pyrene	0.00091U	U,P1,P2,S16	mg/kg	0.0057	0.00091	SW846 8270E SIM	1	06/20/2024 11:15	S7M	A
Benzo(b)fluoranthene	0.00091U	U,P1,P2,S16	mg/kg	0.0057	0.00091	SW846 8270E SIM	1	06/20/2024 11:15	S7M	A
Benzo(g,h,i)perylene	0.0011U	U,12,P1,P2,S16	mg/kg	0.0057	0.0011	SW846 8270E SIM	1	06/20/2024 11:15	S7M	A
Benzo(k)fluoranthene	0.0010U	U,P1,P2,S16	mg/kg	0.0057	0.0010	SW846 8270E SIM	1	06/20/2024 11:15	S7M	A
Chrysene	0.0063	P1,P2,S16	mg/kg	0.0057	0.0010	SW846 8270E SIM	1	06/20/2024 11:15	S7M	A
Dibenzo(a,h)anthracene	0.00079U	U,P1,P2,S16	mg/kg	0.0057	0.00079	SW846 8270E SIM	1	06/20/2024 11:15	S7M	A
Fluoranthene	0.0010U	U,P1,P2,S16	mg/kg	0.0057	0.0010	SW846 8270E SIM	1	06/20/2024 11:15	S7M	A
Fluorene	0.51	P1,P2,S16	mg/kg	0.0057	0.0011	SW846 8270E SIM	1	06/20/2024 11:15	S7M	A
Indeno(1,2,3-cd)pyrene	0.00091U	U,P1,P2,S16	mg/kg	0.0057	0.00091	SW846 8270E SIM	1	06/20/2024 11:15	S7M	A
Naphthalene	0.038	P1,P2,S16	mg/kg	0.0057	0.0012	SW846 8270E SIM	1	06/20/2024 11:15	S7M	A
Phenanthrene	2.2	E,P1,P2,S16	mg/kg	0.0057	0.0012	SW846 8270E SIM	1	06/20/2024 11:15	S7M	A



## Results

Client Sample ID	MW-05 (6-8)	Collected	06/03/2024 16:05
Lab Sample ID	3363483045	Lab Receipt	06/08/2024 12:19

### SEMIVOLATILE SIM (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Pyrene	0.068	P1,P2,S16	mg/kg	0.0057	0.00091	SW846 8270E SIM	1	06/20/2024 11:15	S7M	A

### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
2-Methylnaphthalene-d10	7297-45-2	82.4%	50 - 150	06/20/2024 11:15	
Fluoranthene-d10	93951-69-0	113%	50 - 150	06/20/2024 11:15	

### SEMIVOLATILES

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1-Methylnaphthalene	0.77	P1,P2,S16	mg/kg	0.11	0.019	SW846 8270E	1	06/18/2024 11:40	S7M	A
2-Methylnaphthalene	0.083J	J,P1,P2,S16	mg/kg	0.11	0.019	SW846 8270E	1	06/18/2024 11:40	S7M	A
Acenaphthene	0.019U	U,P1,P2,S16	mg/kg	0.057	0.019	SW846 8270E	1	06/18/2024 11:40	S7M	A
Acenaphthylene	0.019U	U,P1,P2,S16	mg/kg	0.057	0.019	SW846 8270E	1	06/18/2024 11:40	S7M	A
Anthracene	0.24	P1,P2,S16	mg/kg	0.057	0.019	SW846 8270E	1	06/18/2024 11:40	S7M	A
Benzo(a)anthracene	0.019U	U,P1,P2,S16	mg/kg	0.057	0.019	SW846 8270E	1	06/18/2024 11:40	S7M	A
Benzo(a)pyrene	0.019U	U,P1,P2,S16	mg/kg	0.057	0.019	SW846 8270E	1	06/18/2024 11:40	S7M	A
Benzo(b)fluoranthene	0.019U	U,P1,P2,S16	mg/kg	0.057	0.019	SW846 8270E	1	06/18/2024 11:40	S7M	A
Benzo(g,h,i)perylene	0.019U	U,P1,P2,S16	mg/kg	0.057	0.019	SW846 8270E	1	06/18/2024 11:40	S7M	A
Benzo(k)fluoranthene	0.019U	U,P1,P2,S16	mg/kg	0.057	0.019	SW846 8270E	1	06/18/2024 11:40	S7M	A
Carbazole	0.019U	U,P1,P2,S16	mg/kg	0.11	0.019	SW846 8270E	1	06/18/2024 11:40	S7M	A
Chrysene	0.019U	U,P1,P2,S16	mg/kg	0.057	0.019	SW846 8270E	1	06/18/2024 11:40	S7M	A
Dibenzo(a,h)anthracene	0.019U	U,P1,P2,S16	mg/kg	0.057	0.019	SW846 8270E	1	06/18/2024 11:40	S7M	A
Dibenzofuran	0.019U	U,P1,P2,S16	mg/kg	0.11	0.019	SW846 8270E	1	06/18/2024 11:40	S7M	A
Fluoranthene	0.019U	U,P1,P2,S16	mg/kg	0.057	0.019	SW846 8270E	1	06/18/2024 11:40	S7M	A
Fluorene	0.019U	U,P1,P2,S16	mg/kg	0.057	0.019	SW846 8270E	1	06/18/2024 11:40	S7M	A
Indeno(1,2,3-cd)pyrene	0.019U	U,P1,P2,S16	mg/kg	0.057	0.019	SW846 8270E	1	06/18/2024 11:40	S7M	A
Naphthalene	0.026J	J,P1,P2,S16	mg/kg	0.057	0.019	SW846 8270E	1	06/18/2024 11:40	S7M	A
Phenanthrene	2.3	P1,P2,S16	mg/kg	0.057	0.019	SW846 8270E	1	06/18/2024 11:40	S7M	A
Pyrene	0.063	P1,P2,S16	mg/kg	0.057	0.019	SW846 8270E	1	06/18/2024 11:40	S7M	A

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## Results

Client Sample ID	MW-05 (6-8)	Collected	06/03/2024 16:05
Lab Sample ID	3363483045	Lab Receipt	06/08/2024 12:19

### SEMIVOLATILES (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
<i>SURROGATES</i>										
Compound	CAS No			Recovery		Limits(%)		Analysis Date/Time		Qualifiers
2,4,6-Tribromophenol	118-79-6			74.2%		19 - 132		06/18/2024 11:40		
2-Fluorobiphenyl	321-60-8			71.4%		40 - 110		06/18/2024 11:40		
2-Fluorophenol	367-12-4			70.9%		26 - 116		06/18/2024 11:40		
Nitrobenzene-d5	4165-60-0			80.3%		38 - 112		06/18/2024 11:40		
Phenol-d5	4165-62-2			77.5%		35 - 111		06/18/2024 11:40		
Terphenyl-d14	98904-43-9			85.2%		45 - 126		06/18/2024 11:40		

### VOLATILE ORGANICS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1-Trichloroethane	0.063U	U,P1,P2,S16	mg/kg	0.29	0.063	SW846 8260D	250	06/14/2024 23:04	BST	A1
1,1,2,2-Tetrachloroethane	0.097U	U,P1,P2,S16	mg/kg	0.29	0.097	SW846 8260D	250	06/14/2024 23:04	BST	A1
1,1,2-Trichloroethane	0.094U	U,P1,P2,S16	mg/kg	0.29	0.094	SW846 8260D	250	06/14/2024 23:04	BST	A1
1,1-Dichloroethane	0.080U	U,P1,P2,S16	mg/kg	0.29	0.080	SW846 8260D	250	06/14/2024 23:04	BST	A1
1,1-Dichloroethene	0.083U	U,P1,P2,S16	mg/kg	0.29	0.083	SW846 8260D	250	06/14/2024 23:04	BST	A1
1,1-Dichloropropene	0.077U	U,P1,P2,S16	mg/kg	0.29	0.077	SW846 8260D	250	06/14/2024 23:04	BST	A1
1,2,3-Trichlorobenzene	0.27U	U,P1,P2,S16	mg/kg	0.57	0.27	SW846 8260D	250	06/14/2024 23:04	BST	A1
1,2,3-Trichloropropane	0.17U	U,P1,P2,S16	mg/kg	0.57	0.17	SW846 8260D	250	06/14/2024 23:04	BST	A1
1,2,4-Trichlorobenzene	0.23U	U,P1,P2,S16	mg/kg	0.57	0.23	SW846 8260D	250	06/14/2024 23:04	BST	A1
1,2,4-Trimethylbenzene	0.072U	U,P1,P2,S16	mg/kg	0.29	0.072	SW846 8260D	250	06/14/2024 23:04	BST	A1
1,2-Dibromo-3-chloropropane	0.43U	U,P1,P2,S16	mg/kg	2.0	0.43	SW846 8260D	250	06/14/2024 23:04	BST	A1
1,2-Dibromoethane	0.080U	U,P1,P2,S16	mg/kg	0.29	0.080	SW846 8260D	250	06/14/2024 23:04	BST	A1
1,2-Dichlorobenzene	0.11U	U,P1,P2,S16	mg/kg	0.29	0.11	SW846 8260D	250	06/14/2024 23:04	BST	A1
1,2-Dichloroethane	0.092U	U,P1,P2,S16	mg/kg	0.29	0.092	SW846 8260D	250	06/14/2024 23:04	BST	A1
1,2-Dichloropropane	0.069U	U,P1,P2,S16	mg/kg	0.29	0.069	SW846 8260D	250	06/14/2024 23:04	BST	A1
1,3,5-Trimethylbenzene	0.057U	U,P1,P2,S16	mg/kg	0.29	0.057	SW846 8260D	250	06/14/2024 23:04	BST	A1
1,3-Dichlorobenzene	0.072U	U,P1,P2,S16	mg/kg	0.29	0.072	SW846 8260D	250	06/14/2024 23:04	BST	A1
1,3-Dichloropropane	0.077U	U,P1,P2,S16	mg/kg	0.29	0.077	SW846 8260D	250	06/14/2024 23:04	BST	A1
1,4-Dichlorobenzene	0.077U	U,P1,P2,S16	mg/kg	0.29	0.077	SW846 8260D	250	06/14/2024 23:04	BST	A1
2,2-Dichloropropane	0.092U	U,P1,P2,S16	mg/kg	0.29	0.092	SW846 8260D	250	06/14/2024 23:04	BST	A1
2-Butanone	0.52U	U,P1,P2,S16	mg/kg	2.9	0.52	SW846 8260D	250	06/14/2024 23:04	BST	A1
2-Hexanone	0.37U	U,P1,P2,S16	mg/kg	1.4	0.37	SW846 8260D	250	06/14/2024 23:04	BST	A1
4-Methyl-2-Pentanone(MIBK)	0.43U	U,P1,P2,S16	mg/kg	1.4	0.43	SW846 8260D	250	06/14/2024 23:04	BST	A1
Acetone	0.89U	U,P1,P2,S16	mg/kg	2.9	0.89	SW846 8260D	250	06/14/2024 23:04	BST	A1
Benzene	0.066U	U,P1,P2,S16	mg/kg	0.29	0.066	SW846 8260D	250	06/14/2024 23:04	BST	A1



## Results

Client Sample ID	MW-05 (6-8)	Collected	06/03/2024 16:05
Lab Sample ID	3363483045	Lab Receipt	06/08/2024 12:19

### VOLATILE ORGANICS (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Bromobenzene	0.092U	U,P1,P2,S16	mg/kg	0.29	0.092	SW846 8260D	250	06/14/2024 23:04	BST	A1
Bromochloromethane	0.092U	U,P1,P2,S16	mg/kg	0.29	0.092	SW846 8260D	250	06/14/2024 23:04	BST	A1
Bromodichloromethane	0.077U	U,P1,P2,S16	mg/kg	0.29	0.077	SW846 8260D	250	06/14/2024 23:04	BST	A1
Bromoform	0.11U	U,P1,P2,S16	mg/kg	0.29	0.11	SW846 8260D	250	06/14/2024 23:04	BST	A1
Bromomethane	0.11U	U,11,P1,P2,S16	mg/kg	0.29	0.11	SW846 8260D	250	06/14/2024 23:04	BST	A1
Carbon Disulfide	0.066U	U,P1,P2,S16	mg/kg	0.29	0.066	SW846 8260D	250	06/14/2024 23:04	BST	A1
Carbon Tetrachloride	0.089U	U,P1,P2,S16	mg/kg	0.29	0.089	SW846 8260D	250	06/14/2024 23:04	BST	A1
Chlorobenzene	0.054U	U,P1,P2,S16	mg/kg	0.29	0.054	SW846 8260D	250	06/14/2024 23:04	BST	A1
Chlorodibromomethane	0.13U	U,P1,P2,S16	mg/kg	0.29	0.13	SW846 8260D	250	06/14/2024 23:04	BST	A1
Chloroethane	0.094U	U,P1,P2,S16	mg/kg	0.29	0.094	SW846 8260D	250	06/14/2024 23:04	BST	A1
Chloroform	0.060U	U,P1,P2,S16	mg/kg	0.29	0.060	SW846 8260D	250	06/14/2024 23:04	BST	A1
Chloromethane	0.089U	U,P1,P2,S16	mg/kg	0.29	0.089	SW846 8260D	250	06/14/2024 23:04	BST	A1
cis-1,2-Dichloroethene	0.092U	U,P1,P2,S16	mg/kg	0.29	0.092	SW846 8260D	250	06/14/2024 23:04	BST	A1
cis-1,3-Dichloropropene	0.089U	U,P1,P2,S16	mg/kg	0.29	0.089	SW846 8260D	250	06/14/2024 23:04	BST	A1
Dibromomethane	0.089U	U,P1,P2,S16	mg/kg	0.29	0.089	SW846 8260D	250	06/14/2024 23:04	BST	A1
Dichlorodifluoromethane	0.094U	U,P1,P2,S16	mg/kg	0.29	0.094	SW846 8260D	250	06/14/2024 23:04	BST	A1
Ethylbenzene	0.097U	U,P1,P2,S16	mg/kg	0.29	0.097	SW846 8260D	250	06/14/2024 23:04	BST	A1
Freon 113	0.074U	U,P1,P2,S16	mg/kg	0.29	0.074	SW846 8260D	250	06/14/2024 23:04	BST	A1
Hexachlorobutadiene	0.29U	U,P1,P2,S16	mg/kg	1.4	0.29	SW846 8260D	250	06/14/2024 23:04	BST	A1
Isopropylbenzene	0.077J	J,P1,P2,S16	mg/kg	0.29	0.063	SW846 8260D	250	06/14/2024 23:04	BST	A1
Methyl t-Butyl Ether	0.094U	U,P1,P2,S16	mg/kg	0.29	0.094	SW846 8260D	250	06/14/2024 23:04	BST	A1
Methylene Chloride	0.13U	U,P1,P2,S16	mg/kg	0.29	0.13	SW846 8260D	250	06/14/2024 23:04	BST	A1
mp-Xylene	0.15U	U,P1,P2,S16	mg/kg	0.57	0.15	SW846 8260D	250	06/14/2024 23:04	BST	A1
Naphthalene	0.22J	J,P1,P2,S16	mg/kg	0.57	0.097	SW846 8260D	250	06/14/2024 23:04	BST	A1
n-Butylbenzene	0.61	P1,P2,S16	mg/kg	0.57	0.17	SW846 8260D	250	06/14/2024 23:04	BST	A1
n-Propylbenzene	0.28J	J,P1,P2,S16	mg/kg	0.29	0.094	SW846 8260D	250	06/14/2024 23:04	BST	A1
o-Chlorotoluene	0.074U	U,P1,P2,S16	mg/kg	0.29	0.074	SW846 8260D	250	06/14/2024 23:04	BST	A1
o-Xylene	0.094U	U,P1,P2,S16	mg/kg	0.29	0.094	SW846 8260D	250	06/14/2024 23:04	BST	A1
p-Chlorotoluene	0.094U	U,P1,P2,S16	mg/kg	0.29	0.094	SW846 8260D	250	06/14/2024 23:04	BST	A1
p-Isopropyltoluene	0.092U	U,P1,P2,S16	mg/kg	0.29	0.092	SW846 8260D	250	06/14/2024 23:04	BST	A1
sec-Butylbenzene	0.29	P1,P2,S16	mg/kg	0.29	0.089	SW846 8260D	250	06/14/2024 23:04	BST	A1
Styrene	0.069U	U,P1,P2,S16	mg/kg	0.29	0.069	SW846 8260D	250	06/14/2024 23:04	BST	A1
tert-Butylbenzene	0.13U	U,P1,P2,S16	mg/kg	0.57	0.13	SW846 8260D	250	06/14/2024 23:04	BST	A1
Tetrachloroethene	0.10U	U,P1,P2,S16	mg/kg	0.29	0.10	SW846 8260D	250	06/14/2024 23:04	BST	A1
Toluene	0.066U	U,P1,P2,S16	mg/kg	0.29	0.066	SW846 8260D	250	06/14/2024 23:04	BST	A1
Total Xylenes	0.19U	U,P1,P2,S16	mg/kg	0.86	0.19	SW846 8260D	250	06/14/2024 23:04	BST	A1

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## Results

Client Sample ID	MW-05 (6-8)	Collected	06/03/2024 16:05
Lab Sample ID	3363483045	Lab Receipt	06/08/2024 12:19

### VOLATILE ORGANICS (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
trans-1,2-Dichloroethene	0.074U	U,P1,P2,S16	mg/kg	0.29	0.074	SW846 8260D	250	06/14/2024 23:04	BST	A1
trans-1,3-Dichloropropene	0.083U	U,P1,P2,S16	mg/kg	0.29	0.083	SW846 8260D	250	06/14/2024 23:04	BST	A1
Trichloroethene	0.094U	U,P1,P2,S16	mg/kg	0.29	0.094	SW846 8260D	250	06/14/2024 23:04	BST	A1
Trichlorofluoromethane	0.069U	U,P1,P2,S16	mg/kg	0.29	0.069	SW846 8260D	250	06/14/2024 23:04	BST	A1
Vinyl Chloride	0.086U	U,P1,P2,S16	mg/kg	0.29	0.086	SW846 8260D	250	06/14/2024 23:04	BST	A1

### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	97.5%	71 - 146	06/14/2024 23:04	
4-Bromofluorobenzene	460-00-4	100%	46 - 138	06/14/2024 23:04	
Dibromofluoromethane	1868-53-7	81.9%	42 - 143	06/14/2024 23:04	
Toluene-d8	2037-26-5	99.3%	54 - 141	06/14/2024 23:04	

### WET CHEMISTRY

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Moisture	15.0	P1,P2,S16	%	0.1	0.01	S2540G-11	1	06/12/2024 21:22	BLP	A
Total Solids	85.0	1,P1,P2,S16	%	0.1	0.01	S2540G-11	1	06/12/2024 21:22	BLP	A

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## Results

Client Sample ID	SB-17 (16-18)	Collected	06/03/2024 15:20
Lab Sample ID	3363483046	Lab Receipt	06/08/2024 08:37

### GASOLINE RANGE ORGANICS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Gasoline Range Organics	3.9J	J,P1,P2	mg/kg	11.6	2.0	SW846 8015D	100	06/14/2024 12:38	JTH	A1

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
a,a,a-Trifluorotoluene	98-08-8	112%	72 - 134	06/14/2024 12:38	

### PETROLEUM HC's

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Diesel Range Organics C10-C28	24.7	P1,P2	mg/kg	11.8	3.2	SW846 8015D	1	06/19/2024 00:09	KJH	A

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
o-Terphenyl	84-15-1	84.6%	36 - 122	06/19/2024 00:09	

### SEMIVOLATILE SIM

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,4-Dioxane	0.0024U	U,P1,P2	mg/kg	0.0049	0.0024	SW846 8270E SIM	1	06/20/2024 11:42	S7M	A
1-Methylnaphthalene	0.086	P1,P2	mg/kg	0.0049	0.00088	SW846 8270E SIM	1	06/20/2024 11:42	S7M	A
2-Methylnaphthalene	0.067	P1,P2	mg/kg	0.0049	0.0013	SW846 8270E SIM	1	06/20/2024 11:42	S7M	A
Acenaphthene	0.0067	P1,P2	mg/kg	0.0049	0.00088	SW846 8270E SIM	1	06/20/2024 11:42	S7M	A
Acenaphthylene	0.00088U	U,P1,P2	mg/kg	0.0049	0.00088	SW846 8270E SIM	1	06/20/2024 11:42	S7M	A
Anthracene	0.0062	P1,P2	mg/kg	0.0049	0.00078	SW846 8270E SIM	1	06/20/2024 11:42	S7M	A
Benzo(a)anthracene	0.0086	P1,P2	mg/kg	0.0049	0.00078	SW846 8270E SIM	1	06/20/2024 11:42	S7M	A
Benzo(a)pyrene	0.012	P1,P2	mg/kg	0.0049	0.00078	SW846 8270E SIM	1	06/20/2024 11:42	S7M	A
Benzo(b)fluoranthene	0.019	P1,P2	mg/kg	0.0049	0.00078	SW846 8270E SIM	1	06/20/2024 11:42	S7M	A
Benzo(g,h,i)perylene	0.040	12,P1,P2	mg/kg	0.0049	0.00098	SW846 8270E SIM	1	06/20/2024 11:42	S7M	A
Benzo(k)fluoranthene	0.0092	P1,P2	mg/kg	0.0049	0.00088	SW846 8270E SIM	1	06/20/2024 11:42	S7M	A
Chrysene	0.023	P1,P2	mg/kg	0.0049	0.00088	SW846 8270E SIM	1	06/20/2024 11:42	S7M	A
Dibenzo(a,h)anthracene	0.0040J	J,P1,P2	mg/kg	0.0049	0.00068	SW846 8270E SIM	1	06/20/2024 11:42	S7M	A
Fluoranthene	0.018	P1,P2	mg/kg	0.0049	0.00088	SW846 8270E SIM	1	06/20/2024 11:42	S7M	A
Fluorene	0.018	P1,P2	mg/kg	0.0049	0.00098	SW846 8270E SIM	1	06/20/2024 11:42	S7M	A
Indeno(1,2,3-cd)pyrene	0.0098	P1,P2	mg/kg	0.0049	0.00078	SW846 8270E SIM	1	06/20/2024 11:42	S7M	A
Naphthalene	0.034	P1,P2	mg/kg	0.0049	0.0011	SW846 8270E SIM	1	06/20/2024 11:42	S7M	A
Phenanthrene	0.094	P1,P2	mg/kg	0.0049	0.0011	SW846 8270E SIM	1	06/20/2024 11:42	S7M	A





## Results

Client Sample ID	SB-17 (16-18)	Collected	06/03/2024 15:20
Lab Sample ID	3363483046	Lab Receipt	06/08/2024 08:37

### SEMIVOLATILE SIM (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Pyrene	0.023	P1,P2	mg/kg	0.0049	0.00078	SW846 8270E SIM	1	06/20/2024 11:42	S7M	A

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
2-Methylnaphthalene-d10	7297-45-2	85.2%	50 - 150	06/20/2024 11:42	
Fluoranthene-d10	93951-69-0	101%	50 - 150	06/20/2024 11:42	

### SEMIVOLATILES

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1-Methylnaphthalene	0.077J	J,P1,P2	mg/kg	0.098	0.017	SW846 8270E	1	06/18/2024 12:05	S7M	A
2-Methylnaphthalene	0.062J	J,P1,P2	mg/kg	0.098	0.017	SW846 8270E	1	06/18/2024 12:05	S7M	A
Acenaphthene	0.017U	U,P1,P2	mg/kg	0.049	0.017	SW846 8270E	1	06/18/2024 12:05	S7M	A
Acenaphthylene	0.017U	U,P1,P2	mg/kg	0.049	0.017	SW846 8270E	1	06/18/2024 12:05	S7M	A
Anthracene	0.017U	U,P1,P2	mg/kg	0.049	0.017	SW846 8270E	1	06/18/2024 12:05	S7M	A
Benzo(a)anthracene	0.017U	U,P1,P2	mg/kg	0.049	0.017	SW846 8270E	1	06/18/2024 12:05	S7M	A
Benzo(a)pyrene	0.017U	U,P1,P2	mg/kg	0.049	0.017	SW846 8270E	1	06/18/2024 12:05	S7M	A
Benzo(b)fluoranthene	0.020J	J,P1,P2	mg/kg	0.049	0.017	SW846 8270E	1	06/18/2024 12:05	S7M	A
Benzo(g,h,i)perylene	0.034J	J,P1,P2	mg/kg	0.049	0.017	SW846 8270E	1	06/18/2024 12:05	S7M	A
Benzo(k)fluoranthene	0.017U	U,P1,P2	mg/kg	0.049	0.017	SW846 8270E	1	06/18/2024 12:05	S7M	A
Carbazole	0.017U	U,P1,P2	mg/kg	0.098	0.017	SW846 8270E	1	06/18/2024 12:05	S7M	A
Chrysene	0.025J	J,P1,P2	mg/kg	0.049	0.017	SW846 8270E	1	06/18/2024 12:05	S7M	A
Dibenzo(a,h)anthracene	0.017U	U,P1,P2	mg/kg	0.049	0.017	SW846 8270E	1	06/18/2024 12:05	S7M	A
Dibenzofuran	0.037J	J,P1,P2	mg/kg	0.098	0.017	SW846 8270E	1	06/18/2024 12:05	S7M	A
Fluoranthene	0.017U	U,P1,P2	mg/kg	0.049	0.017	SW846 8270E	1	06/18/2024 12:05	S7M	A
Fluorene	0.017U	U,P1,P2	mg/kg	0.049	0.017	SW846 8270E	1	06/18/2024 12:05	S7M	A
Indeno(1,2,3-cd)pyrene	0.017U	U,P1,P2	mg/kg	0.049	0.017	SW846 8270E	1	06/18/2024 12:05	S7M	A
Naphthalene	0.032J	J,P1,P2	mg/kg	0.049	0.017	SW846 8270E	1	06/18/2024 12:05	S7M	A
Phenanthrene	0.088	P1,P2	mg/kg	0.049	0.017	SW846 8270E	1	06/18/2024 12:05	S7M	A
Pyrene	0.022J	J,P1,P2	mg/kg	0.049	0.017	SW846 8270E	1	06/18/2024 12:05	S7M	A

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
2,4,6-Tribromophenol	118-79-6	66.8%	19 - 132	06/18/2024 12:05	
2-Fluorobiphenyl	321-60-8	70.1%	40 - 110	06/18/2024 12:05	
2-Fluorophenol	367-12-4	71.5%	26 - 116	06/18/2024 12:05	
Nitrobenzene-d5	4165-60-0	80.7%	38 - 112	06/18/2024 12:05	
Phenol-d5	4165-62-2	78.8%	35 - 111	06/18/2024 12:05	
Terphenyl-d14	98904-43-9	87.4%	45 - 126	06/18/2024 12:05	

### VOLATILE ORGANICS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1-Trichloroethane	0.00065U	U,P1,P2	mg/kg	0.0021	0.00065	SW846 8260D	1	06/14/2024 18:14	TMP	A2

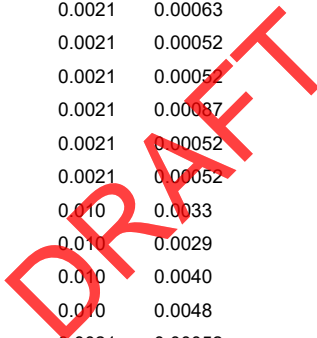


**Results**

Client Sample ID SB-17 (16-18) Collected 06/03/2024 15:20  
 Lab Sample ID 3363483046 Lab Receipt 06/08/2024 08:37

**VOLATILE ORGANICS (cont.)**

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,2,2-Tetrachloroethane	0.00058U	U,P1,P2	mg/kg	0.0021	0.00058	SW846 8260D	1	06/14/2024 18:14	TMP	A2
1,1,2-Trichloroethane	0.00058U	U,P1,P2	mg/kg	0.0021	0.00058	SW846 8260D	1	06/14/2024 18:14	TMP	A2
1,1-Dichloroethane	0.00052U	U,P1,P2	mg/kg	0.0021	0.00052	SW846 8260D	1	06/14/2024 18:14	TMP	A2
1,1-Dichloroethene	0.00054U	U,P1,P2	mg/kg	0.0021	0.00054	SW846 8260D	1	06/14/2024 18:14	TMP	A2
1,1-Dichloropropene	0.00052U	U,P1,P2	mg/kg	0.0021	0.00052	SW846 8260D	1	06/14/2024 18:14	TMP	A2
1,2,3-Trichlorobenzene	0.00052U	U,P1,P2	mg/kg	0.0052	0.00052	SW846 8260D	1	06/14/2024 18:14	TMP	A2
1,2,3-Trichloropropane	0.00052U	U,P1,P2	mg/kg	0.0021	0.00052	SW846 8260D	1	06/14/2024 18:14	TMP	A2
1,2,4-Trichlorobenzene	0.00052U	U,P1,P2	mg/kg	0.0052	0.00052	SW846 8260D	1	06/14/2024 18:14	TMP	A2
1,2,4-Trimethylbenzene	0.00052U	U,P1,P2	mg/kg	0.0021	0.00052	SW846 8260D	1	06/14/2024 18:14	TMP	A2
1,2-Dibromo-3-chloropropane	0.00026U	U,P1,P2	mg/kg	0.0021	0.00026	SW846 8260D	1	06/14/2024 18:14	TMP	A2
1,2-Dibromoethane	0.00056U	U,P1,P2	mg/kg	0.0021	0.00056	SW846 8260D	1	06/14/2024 18:14	TMP	A2
1,2-Dichlorobenzene	0.00052U	U,P1,P2	mg/kg	0.0021	0.00052	SW846 8260D	1	06/14/2024 18:14	TMP	A2
1,2-Dichloroethane	0.00052U	U,P1,P2	mg/kg	0.0021	0.00052	SW846 8260D	1	06/14/2024 18:14	TMP	A2
1,2-Dichloropropane	0.00063U	U,P1,P2	mg/kg	0.0021	0.00063	SW846 8260D	1	06/14/2024 18:14	TMP	A2
1,3,5-Trimethylbenzene	0.00052U	U,P1,P2	mg/kg	0.0021	0.00052	SW846 8260D	1	06/14/2024 18:14	TMP	A2
1,3-Dichlorobenzene	0.00052U	U,P1,P2	mg/kg	0.0021	0.00052	SW846 8260D	1	06/14/2024 18:14	TMP	A2
1,3-Dichloropropane	0.00087U	U,P1,P2	mg/kg	0.0021	0.00087	SW846 8260D	1	06/14/2024 18:14	TMP	A2
1,4-Dichlorobenzene	0.00052U	U,P1,P2	mg/kg	0.0021	0.00052	SW846 8260D	1	06/14/2024 18:14	TMP	A2
2,2-Dichloropropane	0.00052U	U,P1,P2	mg/kg	0.0021	0.00052	SW846 8260D	1	06/14/2024 18:14	TMP	A2
2-Butanone	0.0033U	U,P1,P2	mg/kg	0.010	0.0033	SW846 8260D	1	06/14/2024 18:14	TMP	A2
2-Hexanone	0.0029U	U,P1,P2	mg/kg	0.010	0.0029	SW846 8260D	1	06/14/2024 18:14	TMP	A2
4-Methyl-2-Pentanone(MIBK)	0.0040U	U,P1,P2	mg/kg	0.010	0.0040	SW846 8260D	1	06/14/2024 18:14	TMP	A2
Acetone	0.0077J	J,P1,P2	mg/kg	0.010	0.0048	SW846 8260D	1	06/14/2024 18:14	TMP	A2
Benzene	0.00052U	U,P1,P2	mg/kg	0.0021	0.00052	SW846 8260D	1	06/14/2024 18:14	TMP	A2
Bromobenzene	0.00052U	U,P1,P2	mg/kg	0.0021	0.00052	SW846 8260D	1	06/14/2024 18:14	TMP	A2
Bromochloromethane	0.00052U	U,P1,P2	mg/kg	0.0021	0.00052	SW846 8260D	1	06/14/2024 18:14	TMP	A2
Bromodichloromethane	0.00074U	U,P1,P2	mg/kg	0.0021	0.00074	SW846 8260D	1	06/14/2024 18:14	TMP	A2
Bromoform	0.00054U	U,P1,P2	mg/kg	0.0021	0.00054	SW846 8260D	1	06/14/2024 18:14	TMP	A2
Bromomethane	0.00054U	U,P1,P2	mg/kg	0.0021	0.00054	SW846 8260D	1	06/14/2024 18:14	TMP	A2
Carbon Disulfide	0.00066U	U,P1,P2	mg/kg	0.0021	0.00066	SW846 8260D	1	06/14/2024 18:14	TMP	A2
Carbon Tetrachloride	0.00053U	U,P1,P2	mg/kg	0.0021	0.00053	SW846 8260D	1	06/14/2024 18:14	TMP	A2
Chlorobenzene	0.00053U	U,P1,P2	mg/kg	0.0021	0.00053	SW846 8260D	1	06/14/2024 18:14	TMP	A2
Chlorodibromomethane	0.00071U	U,P1,P2	mg/kg	0.0021	0.00071	SW846 8260D	1	06/14/2024 18:14	TMP	A2
Chloroethane	0.00089U	U,P1,P2	mg/kg	0.0052	0.00089	SW846 8260D	1	06/14/2024 18:14	TMP	A2
Chloroform	0.00055U	U,P1,P2	mg/kg	0.0021	0.00055	SW846 8260D	1	06/14/2024 18:14	TMP	A2
Chloromethane	0.00057U	U,P1,P2	mg/kg	0.0021	0.00057	SW846 8260D	1	06/14/2024 18:14	TMP	A2
cis-1,2-Dichloroethene	0.00052U	U,P1,P2	mg/kg	0.0021	0.00052	SW846 8260D	1	06/14/2024 18:14	TMP	A2
cis-1,3-Dichloropropene	0.00057U	U,P1,P2	mg/kg	0.0021	0.00057	SW846 8260D	1	06/14/2024 18:14	TMP	A2
Dibromomethane	0.00075U	U,P1,P2	mg/kg	0.0021	0.00075	SW846 8260D	1	06/14/2024 18:14	TMP	A2
Dichlorodifluoromethane	0.00070U	U,P1,P2	mg/kg	0.0021	0.00070	SW846 8260D	1	06/14/2024 18:14	TMP	A2
Ethylbenzene	0.00071U	U,P1,P2	mg/kg	0.0021	0.00071	SW846 8260D	1	06/14/2024 18:14	TMP	A2
Freon 113	0.00052U	U,5,6,P1,P2	mg/kg	0.0021	0.00052	SW846 8260D	1	06/14/2024 18:14	TMP	A2
Hexachlorobutadiene	0.00052U	U,P1,P2	mg/kg	0.0052	0.00052	SW846 8260D	1	06/14/2024 18:14	TMP	A2
Isopropylbenzene	0.00064U	U,P1,P2	mg/kg	0.0021	0.00064	SW846 8260D	1	06/14/2024 18:14	TMP	A2
Methyl t-Butyl Ether	0.00052U	U,P1,P2	mg/kg	0.0021	0.00052	SW846 8260D	1	06/14/2024 18:14	TMP	A2
Methylene Chloride	0.0054	P1,P2	mg/kg	0.0021	0.00081	SW846 8260D	1	06/14/2024 18:14	TMP	A2
mp-Xylene	0.00087U	U,P1,P2	mg/kg	0.0042	0.00087	SW846 8260D	1	06/14/2024 18:14	TMP	A2





## Results

Client Sample ID	SB-17 (16-18)	Collected	06/03/2024 15:20
Lab Sample ID	3363483046	Lab Receipt	06/08/2024 08:37

### VOLATILE ORGANICS (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Naphthalene	0.00052U	U,P1,P2	mg/kg	0.0021	0.00052	SW846 8260D	1	06/14/2024 18:14	TMP	A2
n-Butylbenzene	0.00052U	U,4,P1,P2	mg/kg	0.0021	0.00052	SW846 8260D	1	06/14/2024 18:14	TMP	A2
n-Propylbenzene	0.00052U	U,P1,P2	mg/kg	0.0021	0.00052	SW846 8260D	1	06/14/2024 18:14	TMP	A2
o-Chlorotoluene	0.00052U	U,P1,P2	mg/kg	0.0021	0.00052	SW846 8260D	1	06/14/2024 18:14	TMP	A2
o-Xylene	0.00061U	U,P1,P2	mg/kg	0.0021	0.00061	SW846 8260D	1	06/14/2024 18:14	TMP	A2
p-Chlorotoluene	0.00052U	U,P1,P2	mg/kg	0.0021	0.00052	SW846 8260D	1	06/14/2024 18:14	TMP	A2
p-Isopropyltoluene	0.00052U	U,P1,P2	mg/kg	0.0021	0.00052	SW846 8260D	1	06/14/2024 18:14	TMP	A2
sec-Butylbenzene	0.00052U	U,P1,P2	mg/kg	0.0021	0.00052	SW846 8260D	1	06/14/2024 18:14	TMP	A2
Styrene	0.00052U	U,P1,P2	mg/kg	0.0021	0.00052	SW846 8260D	1	06/14/2024 18:14	TMP	A2
tert-Butylbenzene	0.00057U	U,P1,P2	mg/kg	0.0021	0.00057	SW846 8260D	1	06/14/2024 18:14	TMP	A2
Tetrachloroethene	0.00063U	U,P1,P2	mg/kg	0.0021	0.00063	SW846 8260D	1	06/14/2024 18:14	TMP	A2
Toluene	0.00070U	U,P1,P2	mg/kg	0.0021	0.00070	SW846 8260D	1	06/14/2024 18:14	TMP	A2
Total Xylenes	0.0015U	U,P1,P2	mg/kg	0.0063	0.0015	SW846 8260D	1	06/14/2024 18:14	TMP	A2
trans-1,2-Dichloroethene	0.00054U	U,P1,P2	mg/kg	0.0021	0.00054	SW846 8260D	1	06/14/2024 18:14	TMP	A2
trans-1,3-Dichloropropene	0.00061U	U,P1,P2	mg/kg	0.0021	0.00061	SW846 8260D	1	06/14/2024 18:14	TMP	A2
Trichloroethene	0.00052U	U,P1,P2	mg/kg	0.0021	0.00052	SW846 8260D	1	06/14/2024 18:14	TMP	A2
Trichlorofluoromethane	0.00052U	U,P1,P2	mg/kg	0.0021	0.00052	SW846 8260D	1	06/14/2024 18:14	TMP	A2
Vinyl Chloride	0.00052U	U,P1,P2	mg/kg	0.0021	0.00052	SW846 8260D	1	06/14/2024 18:14	TMP	A2

### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	112%	56 - 124	06/14/2024 18:14	
4-Bromofluorobenzene	460-00-4	100%	51 - 128	06/14/2024 18:14	
Dibromofluoromethane	1868-53-7	103%	62 - 123	06/14/2024 18:14	
Toluene-d8	2037-26-5	98.2%	59 - 131	06/14/2024 18:14	

### WET CHEMISTRY

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Moisture	11.7	P1,P2	%	0.1	0.01	S2540G-11	1	06/11/2024 14:37	J1K	A
Total Solids	88.3	1,P1,P2	%	0.1	0.01	S2540G-11	1	06/11/2024 14:37	J1K	A



### Sample - Method Cross Reference Table

Lab ID	Sample ID	Analysis Method	Preparation Method	Leachate Method
3363483001	SB-09 (4-6)	SW846 8015D	SW846 3546	
		SW846 8270E	SW846 3546	
		SW846 8270E SIM	SW846 3546	
		SW846 8015D	SW846 5035A	
		SW846 8260D	SW846 5035A	
		SW846 8260D	SW846 5035A	
		S2540G-11	N/A	
3363483002	SB-09 (10-12)	SW846 8015D	SW846 3546	
		SW846 8270E	SW846 3546	
		SW846 8270E SIM	SW846 3546	
		SW846 8015D	SW846 5035A	
		SW846 8260D	SW846 5035A	
		S2540G-11	N/A	
3363483003	DUP6324	SW846 8015D	SW846 3546	
		SW846 8270E	N/A	
		SW846 8270E SIM	N/A	
		SW846 8015D	SW846 5035A	
		SW846 8260D	SW846 5035A	
		S2540G-11	N/A	
3363483004	HA-01 (0-2)	SW846 6010C	SW846 3051A	
		S2540G-11	N/A	
3363483005	MW-02 (6-8)	SW846 8015D	SW846 3546	
		SW846 8270E	SW846 3546	
		SW846 8270E SIM	SW846 3546	
		SW846 8015D	SW846 5035A	
		SW846 8260D	SW846 5035A	
		S2540G-11	N/A	
3363483006	MW-02 (10-12)	SW846 8015D	SW846 3546	
		SW846 8270E	SW846 3546	
		SW846 8270E SIM	SW846 3546	
		SW846 8015D	SW846 5035A	
		SW846 8260D	SW846 5035A	
		S2540G-11	N/A	
3363483007	SB-16 (8-10)	SW846 8015D	SW846 3546	
		SW846 8270E	SW846 3546	
		SW846 8270E SIM	SW846 3546	
		SW846 8015D	SW846 5035A	
		SW846 8260D	SW846 5035A	
		S2540G-11	N/A	
3363483008	SB-16 (10-12)	SW846 8015D	SW846 3546	
		SW846 8270E	SW846 3546	
		SW846 8270E SIM	SW846 3546	
		SW846 8015D	SW846 5035A	
		SW846 8260D	SW846 5035A	
		S2540G-11	N/A	
3363483009	SB-11 (4-6)	SW846 8015D	SW846 3546	
		SW846 8270E	SW846 3546	
		SW846 8270E SIM	SW846 3546	
		SW846 8015D	SW846 5035A	
		SW846 8260D	SW846 5035A	
		S2540G-11	N/A	



**Project** Partners Environmental 2296.17  
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Lab ID	Sample ID	Analysis Method	Preparation Method	Leachate Method
3363483010	SB-11 (8-10)	SW846 8015D	SW846 3546	
		SW846 8270E	SW846 3546	
		SW846 8270E SIM	SW846 3546	
		SW846 8015D	SW846 5035A	
		SW846 8260D	SW846 5035A	
		S2540G-11	N/A	
3363483011	SB-15 (6-8)	SW846 8015D	SW846 3546	
		SW846 8270E	SW846 3546	
		SW846 8270E SIM	SW846 3546	
		SW846 8015D	SW846 5035A	
		SW846 8260D	SW846 5035A	
		S2540G-11	N/A	
3363483012	SB-15 (16-18)	SW846 8015D	SW846 3546	
		SW846 8270E	SW846 3546	
		SW846 8270E SIM	SW846 3546	
		SW846 8015D	SW846 5035A	
		SW846 8260D	SW846 5035A	
		S2540G-11	N/A	
3363483013	MW-05 (4-6)	SW846 8015D	SW846 3546	
		SW846 8270E	SW846 3546	
		SW846 8270E SIM	SW846 3546	
		SW846 8015D	SW846 5035A	
		SW846 8260D	SW846 5035A	
		S2540G-11	N/A	
3363483014	SB-04 (2-4)	SW846 8015D	SW846 3546	
		SW846 8270E	SW846 3546	
		SW846 8270E SIM	SW846 3546	
		SW846 8015D	SW846 5035A	
		SW846 8260D	SW846 5035A	
		S2540G-11	N/A	
3363483015	SB-04 (6-8)	SW846 8015D	SW846 3546	
		SW846 8270E	SW846 3546	
		SW846 8270E SIM	SW846 3546	
		SW846 8015D	SW846 5035A	
		SW846 8260D	SW846 5035A	
		S2540G-11	N/A	
3363483017	SB-13 (8-10)	SW846 8270E	SW846 3546	
		SW846 8270E SIM	SW846 3546	
		SW846 8015D	SW846 5035A	
		SW846 8260D	SW846 5035A	
		S2540G-11	N/A	
3363483018	SB-13 (10-12)	SW846 8270E	SW846 3546	
		SW846 8270E SIM	SW846 3546	
		SW846 8015D	SW846 5035A	
		SW846 8260D	SW846 5035A	
		S2540G-11	N/A	
3363483019	HA-02 (0-2)	SW846 8015D	SW846 3546	
		S2540G-11	N/A	
3363483020	MW-06 (4-6)	SW846 8015D	SW846 3546	
		SW846 8270E	SW846 3546	
		SW846 8270E SIM	SW846 3546	
		SW846 8015D	SW846 5035A	
		SW846 8260D	SW846 5035A	
		S2540G-11	N/A	

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**Project** Partners Environmental 2296.17  
**Workorder** 3363483

Lab ID	Sample ID	Analysis Method	Preparation Method	Leachate Method
3363483021	MW-06 (10-12)	SW846 8015D	SW846 3546	
		SW846 8270E	SW846 3546	
		SW846 8270E SIM	SW846 3546	
		SW846 8015D	SW846 5035A	
		SW846 8260D	SW846 5035A	
		S2540G-11	N/A	
3363483022	MW-04 (6-8)	SW846 8015D	SW846 3546	
		SW846 8270E	SW846 3546	
		SW846 8270E SIM	SW846 3546	
		SW846 8015D	SW846 5035A	
		SW846 8260D	SW846 5035A	
		S2540G-11	N/A	
3363483023	MW-04 (10-12)	SW846 8015D	SW846 3546	
		SW846 8270E	SW846 3546	
		SW846 8270E SIM	SW846 3546	
		SW846 8015D	SW846 5035A	
		SW846 8260D	SW846 5035A	
		S2540G-11	N/A	
3363483024	SB-14 (6-8)	SW846 8015D	SW846 3546	
		SW846 8270E	SW846 3546	
		SW846 8270E SIM	SW846 3546	
		SW846 8015D	SW846 5035A	
		SW846 8260D	SW846 5035A	
		S2540G-11	N/A	
3363483025	SB-14 (10-12)	SW846 8015D	SW846 3546	
		SW846 8270E	SW846 3546	
		SW846 8270E SIM	SW846 3546	
		SW846 8015D	SW846 5035A	
		SW846 8260D	SW846 5035A	
		S2540G-11	N/A	
3363483026	DUP6424	SW846 8015D	SW846 3546	
		SW846 8270E	SW846 3546	
		SW846 8270E SIM	SW846 3546	
		SW846 8015D	SW846 5035A	
		SW846 8260D	SW846 5035A	
		S2540G-11	N/A	
3363483027	MW-03 (6-8)	SW846 8015D	SW846 3546	
		SW846 8270E	SW846 3546	
		SW846 8270E SIM	SW846 3546	
		SW846 8015D	SW846 5035A	
		SW846 8260D	SW846 5035A	
		S2540G-11	N/A	
3363483028	MW-03 (8-10)	SW846 8015D	SW846 3546	
		SW846 8270E	SW846 3546	
		SW846 8270E SIM	SW846 3546	
		SW846 8015D	SW846 5035A	
		SW846 8260D	SW846 5035A	
		S2540G-11	N/A	
3363483029	SB-17 (6-8)	SW846 8015D	SW846 3546	
		SW846 8270E	SW846 3546	
		SW846 8270E SIM	SW846 3546	
		SW846 8015D	SW846 5035A	
		SW846 8260D	SW846 5035A	
		S2540G-11	N/A	

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Lab ID	Sample ID	Analysis Method	Preparation Method	Leachate Method
3363483030	SB-17 (8-10)	SW846 8015D	SW846 3546	
		SW846 8270E	SW846 3546	
		SW846 8270E SIM	SW846 3546	
		SW846 8015D	SW846 5035A	
		SW846 8260D	SW846 5035A	
		S2540G-11	N/A	
3363483031	SB-05 (0-2)	SW846 8015D	SW846 3546	
		SW846 8270E	SW846 3546	
		SW846 8270E SIM	SW846 3546	
		SW846 8015D	SW846 5035A	
		SW846 8260D	SW846 5035A	
		S2540G-11	N/A	
3363483032	SB-05 (10-12)	SW846 8015D	SW846 3546	
		SW846 8270E	SW846 3546	
		SW846 8270E SIM	SW846 3546	
		SW846 8015D	SW846 5035A	
		SW846 8260D	SW846 5035A	
		S2540G-11	N/A	
3363483033	SB-18 (0-2)	SW846 8015D	SW846 3546	
		SW846 8270E	SW846 3546	
		SW846 8270E SIM	SW846 3546	
		SW846 8015D	SW846 5035A	
		SW846 8260D	SW846 5035A	
		S2540G-11	N/A	
3363483034	SB-18 (2-11)	SW846 8015D	SW846 3546	
		SW846 8270E	SW846 3546	
		SW846 8270E SIM	SW846 3546	
		SW846 8015D	SW846 5035A	
		SW846 8260D	SW846 5035A	
		S2540G-11	N/A	
3363483035	MW-01 (2-4)	SW846 8015D	SW846 3546	
		SW846 8270E	SW846 3546	
		SW846 8270E SIM	SW846 3546	
		SW846 8015D	SW846 5035A	
		SW846 8260D	SW846 5035A	
		S2540G-11	N/A	
3363483036	MW-01 (4-6)	SW846 8015D	SW846 3546	
		SW846 8270E	SW846 3546	
		SW846 8270E SIM	SW846 3546	
		SW846 8015D	SW846 5035A	
		SW846 8260D	SW846 5035A	
		S2540G-11	N/A	
3363483037	SB-01 (2-4)	SW846 8015D	SW846 3546	
		SW846 8270E	SW846 3546	
		SW846 8270E SIM	SW846 3546	
		SW846 8015D	SW846 5035A	
		SW846 8260D	SW846 5035A	
		S2540G-11	N/A	
3363483038	SB-01 (16-18)	SW846 8015D	SW846 3546	
		SW846 8270E	SW846 3546	
		SW846 8270E SIM	SW846 3546	
		SW846 8015D	SW846 5035A	
		SW846 8260D	SW846 5035A	
		S2540G-11	N/A	

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Lab ID	Sample ID	Analysis Method	Preparation Method	Leachate Method
3363483039	SB-19 (2-4)	SW846 8015D	SW846 3546	
		SW846 8270E	SW846 3546	
		SW846 8270E SIM	SW846 3546	
		SW846 8015D	SW846 5035A	
		SW846 8260D	SW846 5035A	
		S2540G-11	N/A	
3363483040	SB-19 (4-6)	SW846 8015D	SW846 3546	
		SW846 8270E	SW846 3546	
		SW846 8270E SIM	SW846 3546	
		SW846 8015D	SW846 5035A	
		SW846 8260D	SW846 5035A	
		S2540G-11	N/A	
3363483041	SB-23 (4-6)	SW846 8015D	SW846 3546	
		SW846 8270E	SW846 3546	
		SW846 8270E SIM	SW846 3546	
		SW846 8015D	SW846 5035A	
		SW846 8260D	SW846 5035A	
		S2540G-11	N/A	
3363483042	SB-23 (8-10)	SW846 8015D	SW846 3546	
		SW846 8270E	SW846 3546	
		SW846 8270E SIM	SW846 3546	
		SW846 8015D	SW846 5035A	
		SW846 8260D	SW846 5035A	
		S2540G-11	N/A	
3363483043	SB-24 (4-6)	SW846 8015D	SW846 3546	
		SW846 8270E	SW846 3546	
		SW846 8270E SIM	SW846 3546	
		SW846 8015D	SW846 5035A	
		SW846 8260D	SW846 5035A	
		S2540G-11	N/A	
3363483044	SB-24 (6-8)	SW846 8015D	SW846 3546	
		SW846 8270E	SW846 3546	
		SW846 8270E SIM	SW846 3546	
		SW846 8015D	SW846 5035A	
		SW846 8260D	SW846 5035A	
		S2540G-11	N/A	
3363483045	MW-05 (6-8)	SW846 8015D	SW846 3546	
		SW846 8270E	SW846 3546	
		SW846 8270E SIM	SW846 3546	
		SW846 8015D	SW846 5035A	
		SW846 8260D	SW846 5035A	
		S2540G-11	N/A	
3363483046	SB-17 (16-18)	SW846 8015D	SW846 3546	
		SW846 8270E	SW846 3546	
		SW846 8270E SIM	SW846 3546	
		SW846 8015D	SW846 5035A	
		SW846 8260D	SW846 5035A	
		S2540G-11	N/A	

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### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Lab ID	Sample ID	Preparation Method	Prep Batch	Prep Date/Time	By	Analysis Method	Anly Batch
3363483001	SB-09 (4-6)	SW846 3546	1220073	06/13/2024 19:25	J1H	SW846 8015D	1222212
		SW846 3546	1221110	06/13/2024 20:55	J1H	SW846 8270E	1246030
		SW846 3546	1221112	06/13/2042 20:55	J1H	SW846 8270E SIM	1246023
		SW846 5035A	1217208	06/08/2024 15:59	JTH	SW846 8015D	1217209
		SW846 5035A	1220075	06/08/2024 15:59	VLM	SW846 8260D	1220076
		SW846 5035A	1222154	06/08/2024 15:59	JTH	SW846 8260D	1222208
		N/A	N/A	N/A		S2540G-11	1218812
3363483002	SB-09 (10-12)	SW846 3546	1220073	06/13/2024 19:25	J1H	SW846 8015D	1222212
		SW846 3546	1221110	06/13/2024 20:55	J1H	SW846 8270E	1246030
		SW846 3546	1221112	06/13/2042 20:55	J1H	SW846 8270E SIM	1246023
		SW846 5035A	1217208	06/08/2024 16:05	JTH	SW846 8015D	1217209
		SW846 5035A	1218818	06/08/2024 16:08	JTH	SW846 8260D	1218821
		N/A	N/A	N/A		S2540G-11	1219726
		N/A	N/A	N/A			
3363483003	DUP6324	SW846 3546	1220073	06/13/2024 19:25	J1H	SW846 8015D	1222212
		N/A	N/A	N/A		SW846 8270E	1246030
		N/A	N/A	N/A		SW846 8270E SIM	1246023
		SW846 5035A	1217208	06/08/2024 16:10	JTH	SW846 8015D	1217209
		SW846 5035A	1220075	06/08/2024 16:10	JTH	SW846 8260D	1220076
		N/A	N/A	N/A		S2540G-11	1218812
		N/A	N/A	N/A			
3363483004	HA-01 (0-2)	SW846 3051A	1218724	06/11/2024 11:15	MEM	SW846 6010C	1219712
		N/A	N/A	N/A		S2540G-11	1218812
3363483005	MW-02 (6-8)	SW846 3546	1220073	06/13/2024 19:25	J1H	SW846 8015D	1222212
		SW846 3546	1221110	06/13/2024 20:55	J1H	SW846 8270E	1246030
		SW846 3546	1221112	06/13/2042 20:55	J1H	SW846 8270E SIM	1246023
		SW846 5035A	1217208	06/08/2024 16:47	JTH	SW846 8015D	1217209
		SW846 5035A	1220075	06/08/2024 16:47	JTH	SW846 8260D	1220076
		N/A	N/A	N/A		S2540G-11	1218812
		N/A	N/A	N/A			
3363483006	MW-02 (10-12)	SW846 3546	1220073	06/13/2024 19:25	J1H	SW846 8015D	1222212
		SW846 3546	1221110	06/13/2024 20:55	J1H	SW846 8270E	1246030
		SW846 3546	1221112	06/13/2042 20:55	J1H	SW846 8270E SIM	1246023
		SW846 5035A	1217208	06/08/2024 16:51	JTH	SW846 8015D	1217209
		SW846 5035A	1220075	06/08/2024 16:51	JTH	SW846 8260D	1220076
		N/A	N/A	N/A		S2540G-11	1218812
		N/A	N/A	N/A			
3363483007	SB-16 (8-10)	SW846 3546	1220073	06/13/2024 19:25	J1H	SW846 8015D	1222212
		SW846 3546	1221110	06/13/2024 20:55	J1H	SW846 8270E	1246030
		SW846 3546	1221112	06/13/2042 20:55	J1H	SW846 8270E SIM	1246023
		SW846 5035A	1221633	06/11/2024 22:01	JTH	SW846 8015D	1221634
		SW846 5035A	1220075	06/08/2024 22:01	JTH	SW846 8260D	1220076
		N/A	N/A	N/A		S2540G-11	1218812
		N/A	N/A	N/A			
3363483008	SB-16 (10-12)	SW846 3546	1220073	06/13/2024 19:25	J1H	SW846 8015D	1222212
		SW846 3546	1221110	06/13/2024 20:55	J1H	SW846 8270E	1246030
		SW846 3546	1221112	06/13/2042 20:55	J1H	SW846 8270E SIM	1246023
		SW846 5035A	1221633	06/11/2024 22:05	JTH	SW846 8015D	1221634
		SW846 5035A	1220075	06/08/2024 22:05	JTH	SW846 8260D	1220076
		N/A	N/A	N/A		S2540G-11	1218812
		N/A	N/A	N/A			
3363483009	SB-11 (4-6)	SW846 3546	1220073	06/13/2024 19:25	J1H	SW846 8015D	1222212
		SW846 3546	1221110	06/13/2024 20:55	J1H	SW846 8270E	1246030
		SW846 3546	1221112	06/13/2042 20:55	J1H	SW846 8270E SIM	1246023
		SW846 5035A	1221633	06/12/2024 22:08	JTH	SW846 8015D	1221634
		SW846 5035A	1220075	06/08/2024 22:08	JTH	SW846 8260D	1220076
		N/A	N/A	N/A		S2540G-11	1218812
		N/A	N/A	N/A			
3363483010	SB-11 (8-10)	SW846 3546	1220073	06/13/2024 19:25	J1H	SW846 8015D	1222212
		SW846 3546	1221110	06/13/2024 20:55	J1H	SW846 8270E	1246030
		SW846 3546	1221112	06/13/2042 20:55	J1H	SW846 8270E SIM	1246023
		SW846 5035A	1221633	06/11/2024 22:13	JTH	SW846 8015D	1221634
		SW846 5035A	1221711	06/11/2024 22:16	JTH	SW846 8260D	1221712
		N/A	N/A	N/A		S2540G-11	1218812
		N/A	N/A	N/A			



Lab ID	Sample ID	Preparation Method	Prep Batch	Prep Date/Time	By	Analysis Method	Anly Batch
3363483011	SB-15 (6-8)	SW846 3546	1220073	06/13/2024 19:25	J1H	SW846 8015D	1222212
		SW846 3546	1221115	06/14/2024 17:50	SXM	SW846 8270E	1246033
		SW846 3546	1221117	06/14/2024 17:50	SXM	SW846 8270E SIM	1246023
		SW846 5035A	1221633	06/11/2024 22:17	JTH	SW846 8015D	1221634
		SW846 5035A	1219824	06/11/2024 22:18	JTH	SW846 8260D	1219825
		N/A	N/A	N/A		S2540G-11	1218812
3363483012	SB-15 (16-18)	SW846 3546	1220073	06/13/2024 19:25	J1H	SW846 8015D	1222212
		SW846 3546	1221115	06/14/2024 17:50	SXM	SW846 8270E	1246033
		SW846 3546	1221117	06/14/2024 17:50	SXM	SW846 8270E SIM	1246023
		SW846 5035A	1221633	06/11/2024 22:20	JTH	SW846 8015D	1221634
		SW846 5035A	1219824	06/11/2024 22:21	JTH	SW846 8260D	1219825
		N/A	N/A	N/A		S2540G-11	1218812
3363483013	MW-05 (4-6)	SW846 3546	1220073	06/13/2024 19:25	J1H	SW846 8015D	1222212
		SW846 3546	1221115	06/14/2024 17:50	SXM	SW846 8270E	1246033
		SW846 3546	1221117	06/14/2024 17:50	SXM	SW846 8270E SIM	1246023
		SW846 5035A	1221633	06/11/2024 22:58	JTH	SW846 8015D	1221634
		SW846 5035A	1219824	06/11/2024 22:59	JTH	SW846 8260D	1219825
		N/A	N/A	N/A		S2540G-11	1218812
3363483014	SB-04 (2-4)	SW846 3546	1220073	06/13/2024 19:25	J1H	SW846 8015D	1222212
		SW846 3546	1221115	06/14/2024 17:50	SXM	SW846 8270E	1246033
		SW846 3546	1221117	06/14/2024 17:50	SXM	SW846 8270E SIM	1246023
		SW846 5035A	1221633	06/11/2024 23:02	JTH	SW846 8015D	1221634
		SW846 5035A	1220108	06/11/2024 23:05	JTH	SW846 8260D	1220109
		N/A	N/A	N/A		S2540G-11	1218812
3363483015	SB-04 (6-8)	SW846 3546	1220073	06/13/2024 19:25	J1H	SW846 8015D	1222212
		SW846 3546	1221115	06/14/2024 17:50	SXM	SW846 8270E	1246033
		SW846 3546	1221117	06/14/2024 17:50	SXM	SW846 8270E SIM	1246023
		SW846 5035A	1221633	06/11/2024 23:07	JTH	SW846 8015D	1221634
		SW846 5035A	1220108	06/11/2024 23:08	JTH	SW846 8260D	1220109
		N/A	N/A	N/A		S2540G-11	1218812
3363483017	SB-13 (8-10)	SW846 3546	1221115	06/14/2024 17:50	SXM	SW846 8270E	1246033
		SW846 3546	1221117	06/14/2024 17:50	SXM	SW846 8270E SIM	1246023
		SW846 5035A	1221633	06/11/2024 23:14	JTH	SW846 8015D	1221634
		SW846 5035A	1222154	06/11/2024 23:14	JTH	SW846 8260D	1222208
		N/A	N/A	N/A		S2540G-11	1218812
3363483018	SB-13 (10-12)	SW846 3546	1221115	06/14/2024 17:50	SXM	SW846 8270E	1246033
		SW846 3546	1221117	06/14/2024 17:50	SXM	SW846 8270E SIM	1246023
		SW846 5035A	1221633	06/11/2024 23:17	JTH	SW846 8015D	1221634
		SW846 5035A	1220108	06/11/2024 23:18	JTH	SW846 8260D	1220109
		N/A	N/A	N/A		S2540G-11	1218812
3363483019	HA-02 (0-2)	SW846 3546	1220073	06/13/2024 19:25	J1H	SW846 8015D	1222212
		N/A	N/A	N/A		S2540G-11	1218812
3363483020	MW-06 (4-6)	SW846 3546	1220073	06/13/2024 19:25	J1H	SW846 8015D	1222212
		SW846 3546	1221115	06/14/2024 17:50	SXM	SW846 8270E	1246033
		SW846 3546	1221117	06/14/2024 17:50	SXM	SW846 8270E SIM	1246023
		SW846 5035A	1221633	06/11/2024 23:21	JTH	SW846 8015D	1221634
		SW846 5035A	1222154	06/11/2024 23:21	JTH	SW846 8260D	1222208
		N/A	N/A	N/A		S2540G-11	1218812
3363483021	MW-06 (10-12)	SW846 3546	1220073	06/13/2024 19:25	J1H	SW846 8015D	1222212
		SW846 3546	1221115	06/14/2024 17:50	SXM	SW846 8270E	1246033
		SW846 3546	1221117	06/14/2024 17:50	SXM	SW846 8270E SIM	1246023
		SW846 5035A	1221633	06/12/2024 07:35	JTH	SW846 8015D	1221634
		SW846 5035A	1220108	06/12/2024 07:35	JTH	SW846 8260D	1220109
		N/A	N/A	N/A		S2540G-11	1217355
3363483022	MW-04 (6-8)	SW846 3546	1220073	06/13/2024 19:25	J1H	SW846 8015D	1222212
		SW846 3546	1221115	06/14/2024 17:50	SXM	SW846 8270E	1246033
		SW846 3546	1221117	06/14/2024 17:50	SXM	SW846 8270E SIM	1246025
		SW846 5035A	1221633	06/12/2024 09:05	JTH	SW846 8015D	1221634
		SW846 5035A	1220108	06/12/2024 09:06	JTH	SW846 8260D	1220109
		N/A	N/A	N/A		S2540G-11	1218812
3363483023	MW-04 (10-12)	SW846 3546	1220073	06/13/2024 19:25	J1H	SW846 8015D	1222212
		SW846 3546	1221115	06/14/2024 17:50	SXM	SW846 8270E	1246033
		SW846 3546	1221117	06/14/2024 17:50	SXM	SW846 8270E SIM	1246025
		SW846 5035A	1221633	06/12/2024 08:48	JTH	SW846 8015D	1221634
		SW846 5035A	1220108	06/12/2024 08:49	JTH	SW846 8260D	1220109
		N/A	N/A	N/A		S2540G-11	1218812



Lab ID	Sample ID	Preparation Method	Prep Batch	Prep Date/Time	By	Analysis Method	Anly Batch
3363483024	SB-14 (6-8)	SW846 3546	1220073	06/13/2024 19:25	J1H	SW846 8015D	1222212
		SW846 3546	1221115	06/14/2024 17:50	SXM	SW846 8270E	1246033
		SW846 3546	1221117	06/14/2024 17:50	SXM	SW846 8270E SIM	1246026
		SW846 5035A	1221633	06/12/2024 08:50	JTH	SW846 8015D	1221634
		SW846 5035A	1222154	06/12/2024 08:50	JTH	SW846 8260D	1222208
		N/A	N/A	N/A		S2540G-11	1218812
3363483025	SB-14 (10-12)	SW846 3546	1220074	06/13/2024 20:10	J1H	SW846 8015D	1222211
		SW846 3546	1221115	06/14/2024 17:50	SXM	SW846 8270E	1246033
		SW846 3546	1221117	06/14/2024 17:50	SXM	SW846 8270E SIM	1246026
		SW846 5035A	1221633	06/12/2024 08:53	JTH	SW846 8015D	1221634
		SW846 5035A	1220108	06/12/2024 08:54	JTH	SW846 8260D	1220109
		N/A	N/A	N/A		S2540G-11	1218812
3363483026	DUP6424	SW846 3546	1220074	06/13/2024 20:10	J1H	SW846 8015D	1222211
		SW846 3546	1221115	06/14/2024 17:50	SXM	SW846 8270E	1246033
		SW846 3546	1221117	06/14/2024 17:50	SXM	SW846 8270E SIM	1246026
		SW846 5035A	1221633	06/12/2024 08:46	JTH	SW846 8015D	1221634
		SW846 5035A	1222154	06/12/2024 08:46	JTH	SW846 8260D	1222208
		N/A	N/A	N/A		S2540G-11	1218812
3363483027	MW-03 (6-8)	SW846 3546	1220074	06/13/2024 20:10	J1H	SW846 8015D	1222211
		SW846 3546	1221115	06/14/2024 17:50	SXM	SW846 8270E	1246033
		SW846 3546	1221117	06/14/2024 17:50	SXM	SW846 8270E SIM	1246026
		SW846 5035A	1221633	06/12/2024 08:56	JTH	SW846 8015D	1221634
		SW846 5035A	1220108	06/12/2024 08:56	JTH	SW846 8260D	1220109
		N/A	N/A	N/A		S2540G-11	1218812
3363483028	MW-03 (8-10)	SW846 3546	1220074	06/13/2024 20:10	J1H	SW846 8015D	1222211
		SW846 3546	1221115	06/14/2024 17:50	SXM	SW846 8270E	1246033
		SW846 3546	1221117	06/14/2024 17:50	SXM	SW846 8270E SIM	1246026
		SW846 5035A	1221633	06/12/2024 08:37	JTH	SW846 8015D	1221634
		SW846 5035A	1220108	06/12/2024 08:37	JTH	SW846 8260D	1220109
		N/A	N/A	N/A		S2540G-11	1217355
3363483029	SB-17 (6-8)	SW846 3546	1220074	06/13/2024 20:10	J1H	SW846 8015D	1222211
		SW846 3546	1221115	06/14/2024 17:50	SXM	SW846 8270E	1246033
		SW846 3546	1221117	06/14/2024 17:50	SXM	SW846 8270E SIM	1246026
		SW846 5035A	1221633	06/12/2024 08:40	JTH	SW846 8015D	1221634
		SW846 5035A	1220108	06/12/2024 08:41	JTH	SW846 8260D	1220109
		N/A	N/A	N/A		S2540G-11	1217355
3363483030	SB-17 (8-10)	SW846 3546	1220074	06/13/2024 20:10	J1H	SW846 8015D	1222211
		SW846 3546	1221647	06/16/2024 19:50	J1H	SW846 8270E	1246034
		SW846 3546	1221666	06/16/2024 19:50	J1H	SW846 8270E SIM	1246026
		SW846 5035A	1221633	06/12/2024 08:43	JTH	SW846 8015D	1221634
		SW846 5035A	1222154	06/12/2024 08:43	JTH	SW846 8260D	1222208
		N/A	N/A	N/A		S2540G-11	1217355
3363483031	SB-05 (0-2)	SW846 3546	1220074	06/13/2024 20:10	J1H	SW846 8015D	1222211
		SW846 3546	1221647	06/16/2024 19:50	J1H	SW846 8270E	1246034
		SW846 3546	1221666	06/16/2024 19:50	J1H	SW846 8270E SIM	1246026
		SW846 5035A	1218328	06/12/2024 09:03	JTH	SW846 8015D	1218329
		SW846 5035A	1221711	06/12/2024 09:04	JTH	SW846 8260D	1221712
		N/A	N/A	N/A		S2540G-11	1218812
3363483032	SB-05 (10-12)	SW846 3546	1220074	06/13/2024 20:10	J1H	SW846 8015D	1222211
		SW846 3546	1221647	06/16/2024 19:50	J1H	SW846 8270E	1246034
		SW846 3546	1221666	06/16/2024 19:50	J1H	SW846 8270E SIM	1246026
		SW846 5035A	1218328	06/12/2024 08:59	JTH	SW846 8015D	1218329
		SW846 5035A	1221711	06/12/2024 09:00	JTH	SW846 8260D	1221712
		N/A	N/A	N/A		S2540G-11	1218812
3363483033	SB-18 (0-2)	SW846 3546	1220074	06/13/2024 20:10	J1H	SW846 8015D	1222211
		SW846 3546	1221647	06/16/2024 19:50	J1H	SW846 8270E	1246034
		SW846 3546	1221666	06/16/2024 19:50	J1H	SW846 8270E SIM	1246026
		SW846 5035A	1218328	06/12/2024 07:47	JTH	SW846 8015D	1218329
		SW846 5035A	1221711	06/12/2024 07:48	JTH	SW846 8260D	1221712
		N/A	N/A	N/A		S2540G-11	1217355
3363483034	SB-18 (2-11)	SW846 3546	1220074	06/13/2024 20:10	J1H	SW846 8015D	1222211
		SW846 3546	1221647	06/16/2024 19:50	J1H	SW846 8270E	1246034
		SW846 3546	1221666	06/16/2024 19:50	J1H	SW846 8270E SIM	1246026
		SW846 5035A	1218328	06/12/2024 07:44	JTH	SW846 8015D	1218329
		SW846 5035A	1221711	06/12/2024 07:49	JTH	SW846 8260D	1221712
		N/A	N/A	N/A		S2540G-11	1217355



Lab ID	Sample ID	Preparation Method	Prep Batch	Prep Date/Time	By	Analysis Method	Anly Batch
3363483035	MW-01 (2-4)	SW846 3546	1220074	06/13/2024 20:10	J1H	SW846 8015D	1222211
		SW846 3546	1221647	06/16/2024 19:50	J1H	SW846 8270E	1246034
		SW846 3546	1221666	06/16/2024 19:50	J1H	SW846 8270E SIM	1246026
		SW846 5035A	1218328	06/13/2024 07:28	JTH	SW846 8015D	1218329
		SW846 5035A	1221711	06/13/2024 07:29	JTH	SW846 8260D	1221712
		N/A	N/A	N/A		S2540G-11	1217355
3363483036	MW-01 (4-6)	SW846 3546	1220074	06/13/2024 20:10	J1H	SW846 8015D	1222211
		SW846 3546	1221647	06/16/2024 19:50	J1H	SW846 8270E	1246034
		SW846 3546	1221666	06/16/2024 19:50	J1H	SW846 8270E SIM	1246026
		SW846 5035A	1218328	06/13/2024 07:23	JTH	SW846 8015D	1218329
		SW846 5035A	1221711	06/13/2024 07:24	JTH	SW846 8260D	1221712
		N/A	N/A	N/A		S2540G-11	1217355
3363483037	SB-01 (2-4)	SW846 3546	1220074	06/13/2024 20:10	J1H	SW846 8015D	1222211
		SW846 3546	1221647	06/16/2024 19:50	J1H	SW846 8270E	1246034
		SW846 3546	1221666	06/16/2024 19:50	J1H	SW846 8270E SIM	1246026
		SW846 5035A	1218328	06/13/2024 07:26	JTH	SW846 8015D	1218329
		SW846 5035A	1221711	06/13/2024 07:27	JTH	SW846 8260D	1221712
		N/A	N/A	N/A		S2540G-11	1217355
3363483038	SB-01 (16-18)	SW846 3546	1220074	06/13/2024 20:10	J1H	SW846 8015D	1222211
		SW846 3546	1221647	06/16/2024 19:50	J1H	SW846 8270E	1246034
		SW846 3546	1221666	06/16/2024 19:50	J1H	SW846 8270E SIM	1246025
		SW846 5035A	1218328	06/13/2024 07:22	JTH	SW846 8015D	1218329
		SW846 5035A	1221711	06/13/2024 07:22	JTH	SW846 8260D	1221712
		N/A	N/A	N/A		S2540G-11	1217355
3363483039	SB-19 (2-4)	SW846 3546	1220074	06/13/2024 20:10	J1H	SW846 8015D	1222211
		SW846 3546	1221647	06/16/2024 19:50	J1H	SW846 8270E	1246034
		SW846 3546	1221666	06/16/2024 19:50	J1H	SW846 8270E SIM	1246025
		SW846 5035A	1221633	06/13/2024 07:34	JTH	SW846 8015D	1221634
		SW846 5035A	1221711	06/13/2024 07:35	JTH	SW846 8260D	1221712
		N/A	N/A	N/A		S2540G-11	1217355
3363483040	SB-19 (4-6)	SW846 3546	1220074	06/13/2024 20:10	J1H	SW846 8015D	1222211
		SW846 3546	1221647	06/16/2024 19:50	J1H	SW846 8270E	1246034
		SW846 3546	1221666	06/16/2024 19:50	J1H	SW846 8270E SIM	1246025
		SW846 5035A	1221633	06/13/2024 07:13	JTH	SW846 8015D	1221634
		SW846 5035A	1221711	06/13/2024 07:13	JTH	SW846 8260D	1221712
		N/A	N/A	N/A		S2540G-11	1217355
3363483041	SB-23 (4-6)	SW846 3546	1220074	06/13/2024 20:10	J1H	SW846 8015D	1222211
		SW846 3546	1221647	06/16/2024 19:50	J1H	SW846 8270E	1246034
		SW846 3546	1221666	06/16/2024 19:50	J1H	SW846 8270E SIM	1246025
		SW846 5035A	1221633	06/13/2024 07:18	JTH	SW846 8015D	1221634
		SW846 5035A	1222154	06/13/2024 17:18	JTH	SW846 8260D	1222208
		N/A	N/A	N/A		S2540G-11	1217355
3363483042	SB-23 (8-10)	SW846 3546	1220074	06/13/2024 20:10	J1H	SW846 8015D	1222211
		SW846 3546	1221647	06/16/2024 19:50	J1H	SW846 8270E	1246034
		SW846 3546	1221666	06/16/2024 19:50	J1H	SW846 8270E SIM	1246025
		SW846 5035A	1221633	06/13/2024 07:22	JTH	SW846 8015D	1221634
		SW846 5035A	1221711	06/13/2024 17:24	JTH	SW846 8260D	1221712
		N/A	N/A	N/A		S2540G-11	1217355
3363483043	SB-24 (4-6)	SW846 3546	1220074	06/13/2024 20:10	J1H	SW846 8015D	1222211
		SW846 3546	1221647	06/16/2024 19:50	J1H	SW846 8270E	1246034
		SW846 3546	1221666	06/16/2024 19:50	J1H	SW846 8270E SIM	1246025
		SW846 5035A	1223313	06/13/2024 18:15	JTH	SW846 8015D	1223316
		SW846 5035A	1221711	06/13/2024 18:16	JTH	SW846 8260D	1221712
		N/A	N/A	N/A		S2540G-11	1217355
3363483044	SB-24 (6-8)	SW846 3546	1221724	06/17/2024 18:10	AT	SW846 8015D	1223593
		SW846 3546	1221647	06/16/2024 19:50	J1H	SW846 8270E	1246034
		SW846 3546	1221666	06/16/2024 19:50	J1H	SW846 8270E SIM	1246025
		SW846 5035A	1223313	06/13/2024 18:19	JTH	SW846 8015D	1223316
		SW846 5035A	1221711	06/14/2024 18:20	JTH	SW846 8260D	1221712
		N/A	N/A	N/A		S2540G-11	1217355
3363483045	MW-05 (6-8)	SW846 3546	1220074	06/13/2024 20:10	J1H	SW846 8015D	1222211
		SW846 3546	1221647	06/16/2024 19:50	J1H	SW846 8270E	1246034
		SW846 3546	1221666	06/16/2024 19:50	J1H	SW846 8270E SIM	1246025
		SW846 5035A	1221633	06/15/2024 18:22	JTH	SW846 8015D	1221634
		SW846 5035A	1222154	06/13/2024 18:22	JTH	SW846 8260D	1222208
		N/A	N/A	N/A		S2540G-11	1219726





Lab ID	Sample ID	Preparation Method	Prep Batch	Prep Date/Time	By	Analysis Method	Anly Batch
3363483046	SB-17 (16-18)	SW846 3546	1221724	06/17/2024 18:10	AT	SW846 8015D	1223593
		SW846 3546	1221647	06/16/2024 19:50	J1H	SW846 8270E	1246034
		SW846 3546	1221666	06/16/2024 19:50	J1H	SW846 8270E SIM	1246025
		SW846 5035A	1221633	06/13/2024 17:25	JTH	SW846 8015D	1221634
		SW846 5035A	1221711	06/13/2024 17:26	JTH	SW846 8260D	1221712
		N/A	N/A	N/A	N/A	S2540G-11	1218812

DRAFT



3363483

Logged By: MJE  
PM: EXP

79902

REV 10/2017

# Field Chain-of-Custody Record

Page

Ship To: **ALS | Environmental**  
4388 Glendale Millford Rd.  
Cincinnati, Ohio 45242  
(513) 733-5336  
(513) 733-5347



Date: 6/3/2024 Purchase Order No.: \_\_\_\_\_  
 Company Name: Partners Environmental Project No.: 2296.17  
 Address: 3100 Salon Rd, Ste G Sampling Site: Leake Oil  
Salon OH 44134 448 Taggart St. Palestine  
 Person to Contact: Jeremy Medle Billing Address (if different): Tim Eyedron  
State Email Address: medle@partnersenv.com OHIO EPA  
 Telephone ( ): \_\_\_\_\_ DENR

ALS Lab ID	Sample ID / Description	Date	Time
SB-09 (4-6)		6/3/24	1200
SB-09 (10-12)			1200
DWP 6324			1215
HA-01 (0-2)			1235
MW-02 (6-8)			1330
MW-02 (10-12)			1330
SB-16 (8-10)			1415
SB-16 (10-12)			1415
SB-11 (4-6)			
SB-11 (8-10)			

**DRAFT**

Notes: All samples minus HAs have two (2) containers unfilled water  
 per sample ID: 2xEL/4xP no sub/composite no samples

REGULAR Status	RUSH Status	OH VAP: YES NO	BUSTR: YES NO	RELAC: YES NO	ANALYSIS REQUESTED
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Sample Type / Matrix Key Addr.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Preservation Key #
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	# of Sample Containers
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Lead
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VOCs 8260
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	SVOCS 8270
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	TRH GRO
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	TRH DRC
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	X

Temp By: MJP WO Temp (°C) 42  
 Therm ID 570  
 Receipt Info Completed By:  
 Cooler Custody Seal Intact  
 Sample Custody Seal Intact  
 Received on Ice  
 Cooler & Samples Intact  
 Correct Containers Provided  
 Sample Label/COC Agree  
 Adequate Sample Volumes  
 C16 Samples Filtered  
 OP Samples Filtered  
 VOA Trip Blank  
 NIS 4 Days?  
 Rad Screen (uCi)  
 Courier/Tracking #: 6536 10746145  
 SDWA Compliance  
 PWSID  
 WV Containers 0-6°C

6536 10746145 4c-50

Preservation Key: 1-HCl, 2-HNO<sub>3</sub>, 3-H<sub>2</sub>SO<sub>4</sub>, 4-NaOH, 5-Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub>, 6-NaHSO<sub>3</sub>, 7-NaOH/NaAcetate, 8-Other, 9-4°C, Malix Key: A-Air, B-Bulk, S-Soil, W-Water

ALS LAB USE ONLY

COOLER TEMP: _____ °C	TAKEN WITH IRR: _____	19063	118039
COOLING METHOD: NONE	COOLER	WET ICE	DRY ICE
DELIVERY METHOD: CLIENT	DROP BOX	FEDEX	UPS
STD MAIL	PRY MAIL	ALS	COURIER
CUSTOMER SEALS: NOT REQUIRED	COOLER	PACKAGE	SAMPLES

PHADJUSTMENTS: 257 OF 261

Relinquished By: John Medle Time / Date: 6/3/24 12:30  
 Relinquished By: John Medle Time / Date: 6/3/24 12:30  
 Relinquished By: John Medle Time / Date: 6-8-24 8:24:13

Failure to complete all portions of this form may delay analysis. Please fill in this form LEGIBLY.

7/15/2024 1:54 PM



Field Chain-of-Custody Record

Ship To: **ALS | Environmental**  
 4388 Glendale Millford Rd.  
 Cincinnati, Ohio 45242  
 Phone: (513) 733-5336  
 Fax: (513) 733-5347



REV 10/2017

Date: 6/3/2024 Purchase Order No.: 2296.17  
 Company Name: Partners Environmental Project No.: 2296.17  
 Address: 3100 Salom Rd, Ste G Sampling Site: Leake Oil  
Salom OH 44139 448 Buggart St. Pickering  
 City State Zip  
 Person to Contact: Jeremy Kude Billing Address (if different): Tim Eyedrom  
 Email Address: jkude@partnersenv.com OHIO EPA  
 Telephone ( ): DERR

ALS Lab ID	Sample ID / Description	Date	Time
SB-15 (6-8)		6/3/24	1520
SB-15 (6-18)		6/3/24	1520
MW-05 (4-6)		6/3/24	1605
MW-05 (6-8)		6/3/24	1605
SB-04 (2-4)		6/4/24	1640
SB-04 (6-8)		6/4/24	1640
EQ 69424	5-not received	6/4/24	1000
SB-13 (8-10)		6/4/24	1215
SB-13 (10-12)		6/4/24	1215
HA-02 (0-2)		6/4/24	1310

DRAFT

REGULAR Status	RUSH Status	RESULTS REQUIRED BY: (Date)	CONTACT ALS ENVIRONMENTAL PRIOR TO SENDING SAMPLES
<input type="checkbox"/>	<input type="checkbox"/>		
OH VAP: <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO BUSTR: <input type="checkbox"/> YES <input type="checkbox"/> NO NELAC: <input type="checkbox"/> YES <input type="checkbox"/> NO			
Sample Type / Matrix Key Abbr.	Preservation Key #	# of Sample Containers	ANALYSIS REQUESTED
WCS 8260		2	WCS 8260
SACS 8270		2	SACS 8270
TRH GRG		2	TRH GRG
TRH DRG		2	TRH DRG
Lead 6010		2	Lead 6010

Notes:

Matrix Key: A - Air B - Bulk S - Soil W - Water

Preservation Key: 1 - HCl 2 - HNO<sub>3</sub> 3 - H<sub>2</sub>SO<sub>4</sub> 4 - NaOH 5 - Na<sub>2</sub>S<sub>2</sub>O<sub>8</sub> 6 - NaHSO<sub>4</sub> 7 - NaOH/NaAcetate 8 - Other 9 - 4°C

Relinquished By (Signature)	Time / Date	Received By (Signature)	Time / Date
<i>[Signature]</i>	6/5/24	<i>[Signature]</i>	6/5/24
<i>[Signature]</i>	6/5/24	<i>[Signature]</i>	6/5/24
<i>[Signature]</i>	6/5/24	<i>[Signature]</i>	6/5/24

Failure to complete all portions of this form may delay analysis. Please fill in this form LEGIBLY.

COOLER TEMP: \_\_\_\_\_ °C TAKEN WITH IR: 119063 110039

COOLING METHOD: NONE COOLER WETICE DRYICE ICE PACK

DELIVERY METHOD: CLIENT DROP BOX FEDEX UPS

STD MAIL PRY MAIL ALS COURIER OTHER

CUSTOMY SEALS: NOT REQUIRED COOLER PACKAGE SAMPLES

pH ADJUSTMENTS: \_\_\_\_\_

258 of 261





Ship To: **ALS | Environmental**  
 4388 Glendale Millford Rd.  
 Cincinnati, Ohio 45242  
 Phone: (513) 733-5336  
 Fax: (513) 733-5347

# Field Chain-of-Custody Record

Page \_\_\_\_\_ of \_\_\_\_\_

79904

REV 10/2017

Date: 6/24/24 Purchase Order No.: \_\_\_\_\_  
 Company Name: Partners Environmental Project No.: 2296.17  
 Address: 3100 Solon Rd Ste. G Sampling Site: Leake Oil  
Solon OH 44139 448 Tanager St. E. Palestris  
 City State Zip Billing Address (if different): Tim Eyedrom  
 Person to Contact: Jeremy Keadle  
 Email Address: jkeadle@partnersenv.com Ohio EPA DERR

Telephone ( ): \_\_\_\_\_  
 Alternate Contact: \_\_\_\_\_

ALS Lab ID	Sample ID / Description	Date	Time
MW-06 (4-6)		6/24/24	1355
MW-06 (10-12)			1355
MW-04 (6-8)			1435
MW-04 (10-12)			1435
SB-14 (6-8)			1505
SB-14 (10-12)			1505
DUP 64124			
MW-03 (6-8)			1545
MW-03 (8-10)			1545
SB-17 (6-8)			1630

Notes:

REGULAR Status	RUSH Status	RESULTS REQUIRED BY: (Date)	CONTACT ALS ENVIRONMENTAL PRIOR TO SENDING SAMPLES
<input type="checkbox"/>	<input type="checkbox"/>		
OH VAP: <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	BUSTR: <input type="checkbox"/> YES <input type="checkbox"/> NO	NELAC: <input type="checkbox"/> YES <input type="checkbox"/> NO	
ANALYSIS REQUESTED			
Preservation Key #:	Sample Type / Matrix Key Abbr.	# of Sample Containers	
9	5	2	VOCs 8260
		2	SUCs 8270
		2	TPH GRO
		2	TPH DRO
		2	Lead 6010

Matrix Key: A - Air B - Bulk S - Soil W - Water

Preservation Key: 1 - HCl 2 - HNO<sub>3</sub> 3 - H<sub>2</sub>SO<sub>4</sub> 4 - NaOH 5 - Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub> 6 - NaHSO<sub>4</sub> 7 - NaOH/ZnAcetate 8 - Other 9 - 4°C

ALS LAB USE ONLY

COOLER TEMP: \_\_\_\_\_ °C TAKEN WITH IRR: 119063 113050

COOLING METHOD: NONE COOLER WET ICE DRY ICE ICE PACK

DELIVERY METHOD: CLIENT DROP BOX FEDEX UPS

STD MAIL PRY MAIL ALS COURIER OTHER: \_\_\_\_\_

CUSTODY SEALS: NOT REQUIRED COOLER PACKAGE SAMPLES

pH ADJUSTMENTS: \_\_\_\_\_

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Failure to complete all portions of this form may delay analysis. Please fill in this form LEGIBLY.

Relinquished By: [Signature] Time / Date: 6-25-24

Relinquished By: [Signature] Time / Date: 6-24-24

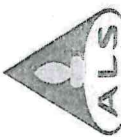
Relinquished By: [Signature] Time / Date: 6-24-24

7/15/2024 1:54 PM



# Field Chain-of-Custody Record

Ship To: **ALS | Environmental**  
 4388 Glendale Milford Rd.  
 Cincinnati, Ohio 45242  
 Phone: (513) 733-5336  
 Fax: (513) 733-5347



REV 10/2017

REGULAR Status  RUSH Status   
 RESULTS REQUIRED BY: (Date) \_\_\_\_\_  
 CONTACT ALS ENVIRONMENTAL PRIOR TO SENDING SAMPLES

OH VAP:  YES  NO  
 BUSTR:  YES  NO  
 NELAC:  YES  NO

Date: 6/29/24 Purchase Order No.: \_\_\_\_\_  
 Company Name: Partners Environmental Project No.: 2296.17  
 Address: 3700 Solon Rd. Ste G Sampling Site: Leak Oil  
Solon OH 44139 Billing Address (if different): 448 Taggart St., E. Palestine OH  
 Person to Contact: Jeremy Kendle Tim Gjedrom  
 Email Address: jwendle@partnersenv.com Ohio EPA DERR  
 Telephone ( ): \_\_\_\_\_  
 Alternate Contact: \_\_\_\_\_

ALS Lab ID	Sample ID / Description	Date	Time
SB-17 (8-10)		6/27/24	1630
SB-05 (0-2)		6/5/24	905
SB-05 (10-12)			905
SB-08 (0-2)			930
SB-08 (2-4)			955
MW-01 (2-4)			955
MW-01 (4-6)			1070
SB-01 (2-4)			1070
SB-01 (2-4)			1070
SB-19 (2-4)			1055

Notes:

Sample Type / Matrix Key Abbr.	# of Sample Containers	VOLs 8260	SOGS 8270	TRH GRO	TRH DRG	Lead 6010
9 S	2	X	X	X	X	X
	2	X	X	X	X	X
	2	X	X	X	X	X
	2	X	X	X	X	X
	2	X	X	X	X	X
	2	X	X	X	X	X
	2	X	X	X	X	X
	2	X	X	X	X	X
	2	X	X	X	X	X

### ANALYSIS REQUESTED

Preservation Key: 1 - HCl, 2 - HNO<sub>3</sub>, 3 - H<sub>2</sub>SO<sub>4</sub>, 4 - NaOH, 5 - Na<sub>2</sub>S<sub>2</sub>O<sub>8</sub>, 6 - NaHSO<sub>4</sub>, 7 - NaOH/zn/acetate, 8 - Other, 9 - 4°C

Mainx Key: A - Air, B - Bulk, S - Soil, W - Water

ALS LAB USE ONLY

COOLER TEMP: \_\_\_\_\_ °C

COOLING METHOD: NONE COOLER WET ICE DRY ICE ICE PACK

DELIVERY METHOD: CLIENT DROP BOX FEDEX UPS

STD MAIL PRY MAIL ALS COURIER OTHER: \_\_\_\_\_

CUSTOMY SEALS: NOT REQUIRED COOLER PACKAGE SAMPLES

PH ADJUSTMENTS: \_\_\_\_\_

260 of 261

Failure to complete all portions of this form may delay analysis. Please fill in this form LEGIBLY.

Relinquished By: John Gjedrom (Signature) Time / Date: 6/5/24

Relinquished By: John Gjedrom (Signature) Time / Date: 6/5/24

Relinquished By: John Gjedrom (Signature) Time / Date: 6/8/24





Ship To: ALS | Environmental  
4388 Glendale Millford Rd.  
Cincinnati, Ohio 45242  
Phone: (513) 733-5336  
Fax: (513) 733-5347

# Field Chain-of-Custody Record

Page \_\_\_\_\_ of \_\_\_\_\_

REV 10/2017

REGULAR Status  RUSH Status  RESULTS REQUIRED BY: (Date) \_\_\_\_\_  
 CONTACT ALS ENVIRONMENTAL PRIOR TO SENDING SAMPLES

OH VAP:  YES  NO BUSTR:  YES  NO NELAC:  YES  NO

ALS Lab ID	Sample ID / Description	Date	Time	Preservation Key #	Sample Type / Matrix Key Abbr.	# of Sample Containers	Analysis Requested
SB-19 (4-6)		6/5/24	1055	P	S	2	VACS B2C0
SB-23 (4-6)		6/5/24	1140	P	S	2	VACS B2C0
SB-23 (8-70)		6/5/24	1140	P	S	2	VACS B2C0
SB-24 (4-6)		6/5/24	1200	P	S	2	VACS B2C0
SB-24 (6-8)		6/5/24	1200	P	S	2	VACS B2C0

Date: 6/5/24  
 Company Name: Pathros Environmental  
 Address: 3100 Solon Rd, Ste G, Solon OH, 44139  
 Person to Contact: Jeremy Keville  
 Email Address: jk@pathros.com  
 Telephone: \_\_\_\_\_  
 Alternate Contact: \_\_\_\_\_  
 Purchase Order No.: 2296-17  
 Project No.: \_\_\_\_\_  
 Sampling Site: Leakes Oil  
 1488 Topnotch Rd, Greenburg, OH  
 Billing Address (if different): T.M. Spectrum  
 Ohio EPA DERR

ALS Lab ID	Sample ID / Description	Date	Time
SB-19 (4-6)		6/5/24	1055
SB-23 (4-6)		6/5/24	1140
SB-23 (8-70)		6/5/24	1140
SB-24 (4-6)		6/5/24	1200
SB-24 (6-8)		6/5/24	1200

Notes:

Preservation Key: 1 - HCl, 2 - HNO<sub>3</sub>, 3 - H<sub>2</sub>SO<sub>4</sub>, 4 - NaOH, 5 - Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub>, 6 - NaHSO<sub>4</sub>, 7 - NaOH/ZnAcetate, 8 - Other, 9 - 4°C

Matrix Key: A - Air, B - Bulk, S - Soil, W - Water

ALS LAB USE ONLY

COOLER TEMP: \_\_\_\_\_ °C TAKEN WITH IRIE: 119063 119069

COOLING METHOD: NONE COOLER WET ICE DRY ICE ICE PACK

DELIVERY METHOD: CLIENT DROP BOX FEDEX UPS

STD MAIL PRY MAIL ALS COURIER OTHER

CUSTODY SEALS: NOT REQUIRED COOLER PACKAGE SAMPLES

Failure to complete all portions of this form may delay analysis. Please fill in this form LEGIBLY.

Relinquished By: (Signature)	Time / Date	Received By: (Signature)	Time / Date
[Signature]	6/5/24	[Signature]	6/5/24
Relinquished By: (Signature)	Time / Date	Received By: (Signature)	Time / Date
[Signature]	6/8/24	[Signature]	6/8/24
Relinquished By: (Signature)	Time / Date	Received By: (Signature)	Time / Date
[Signature]	6/8/24	[Signature]	6/8/24

Shipping Method: FedEx





Main Site: 301 Fulling Mill Road | Middletown, PA 17057 | Phone: 717-944-5541 | Fax: 717-944-1430 | [www.alsglobal.com](http://www.alsglobal.com)  
 Associated Site: 20 Riverside Drive | Spring City, PA 19475 | Phone: 610-948-4903 | Fax: 717-944-1430 |

NELAP Certifications: NJ PA010 , NY 11759 , PA 22-293 DoD ELAP: PJLA 74618  
 State Certifications: FL E871113 , WA C999 , MD 128 , VA 460157 , WV DW 9961-C , WV 343, NJ PA101

Analytical Results Report For

**Ohio EPA-DERR**

Project Parsons Env 2296.17  
 Workorder 3363931  
 Report ID 338039 on 7/14/2024 (Revised report. See Project Notations Section.)

**Certificate of Analysis**

Enclosed are the analytical results for samples received by the laboratory on Jun 11, 2024.

The ALS Environmental laboratory in Middletown, Pennsylvania is a National Environmental Laboratory Accreditation Program (NELAP) accredited laboratory and as such, certifies that all applicable test results meet the requirements of NELAP.

If you have any questions regarding this certificate of analysis, please contact Elizabeth Parker (Project Coordinator) at (717) 944-5541.

Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state requirements. The test results meet requirements of the current NELAP standards or state requirements, where applicable. For a specific list of accredited analytes, refer to the certifications section of the ALS website at [www.alsglobal.com/en/Our-Services/Life-Sciences/Environmental/Downloads](http://www.alsglobal.com/en/Our-Services/Life-Sciences/Environmental/Downloads).

This laboratory report may not be reproduced, except in full, without the written approval of ALS Global.  
 ALS Middletown: 301 Fulling Mill Road, Middletown, PA 17057 : 717-944-5541.

Recipient(s):  
 Jeremy Kendle - Partners Environmental  
 Mary Mahaffee - OH EPA

**DRAFT**

*Elizabeth Parker*

**Elizabeth Parker**  
 Project Coordinator

(ALS Digital Signature)

*This page is included as part of the Analytical Report and must be retained as a permanent record thereof.*



### Sample Summary

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collector	Collection Company
3363931001	SB-30 (4-6)	Solid	06/07/2024 09:50	06/11/2024 15:50	CBC	Collected By Client
3363931002	SB-30 (6-8)	Solid	06/07/2024 09:50	06/11/2024 15:50	CBC	Collected By Client
3363931003	SB-29 (2-4)	Solid	06/07/2024 10:15	06/11/2024 15:50	CBC	Collected By Client
3363931004	SB-29 (4-6)	Solid	06/07/2024 10:15	06/11/2024 15:50	CBC	Collected By Client
3363931005	SB-28 (4-6)	Solid	06/07/2024 10:45	06/11/2024 15:50	CBC	Collected By Client
3363931006	SB-28 (6-8)	Solid	06/07/2024 10:45	06/11/2024 15:50	CBC	Collected By Client
3363931007	SB-27 (4-6)	Solid	06/07/2024 12:15	06/11/2024 15:50	CBC	Collected By Client
3363931008	SB-27 (6-8)	Solid	06/07/2024 12:15	06/11/2024 15:50	CBC	Collected By Client
3363931009	HA-05 (0-2)	Solid	06/07/2024 12:25	06/11/2024 15:50	CBC	Collected By Client
3363931010	HA-04 (0-2)	Solid	06/07/2024 12:35	06/11/2024 15:50	CBC	Collected By Client
3363931011	SB-36 (2-4)	Solid	06/07/2024 13:35	06/11/2024 15:50	CBC	Collected By Client
3363931012	SB-36 (4-6)	Solid	06/07/2024 13:35	06/11/2024 15:50	CBC	Collected By Client
3363931013	SB-35 (2-4)	Solid	06/07/2024 13:40	06/11/2024 15:50	CBC	Collected By Client
3363931014	SB-35 (4-6)	Solid	06/07/2024 13:40	06/11/2024 15:50	CBC	Collected By Client
3363931015	SB-34 (0-2)	Solid	06/07/2024 13:55	06/11/2024 15:50	CBC	Collected By Client
3363931016	SB-34 (2-4)	Solid	06/07/2024 13:55	06/11/2024 15:50	CBC	Collected By Client
3363931017	SB-32 (0-2)	Solid	06/07/2024 14:30	06/11/2024 15:50	CBC	Collected By Client
3363931018	SB-32 (2-4)	Solid	06/07/2024 14:30	06/11/2024 15:50	CBC	Collected By Client
3363931019	SB-33 (0-2)	Solid	06/07/2024 14:35	06/11/2024 15:50	CBC	Collected By Client
3363931020	SB-33 (2-4)	Solid	06/07/2024 14:35	06/11/2024 15:50	CBC	Collected By Client
3363931021	HA-03 (0-2)	Solid	06/05/2024 13:15	06/11/2024 15:50	CBC	Collected By Client
3363931022	SB-25 (4-6)	Solid	06/05/2024 13:40	06/11/2024 15:50	CBC	Collected By Client
3363931023	SB-25 (6-8)	Solid	06/05/2024 13:40	06/11/2024 15:50	CBC	Collected By Client
3363931024	SB-26 (4-6)	Solid	06/05/2024 14:00	06/11/2024 15:50	CBC	Collected By Client
3363931025	SB-26 (8-10)	Solid	06/05/2024 14:00	06/11/2024 15:50	CBC	Collected By Client
3363931026	DUP 6524	Solid	06/05/2024 00:00	06/11/2024 15:50	CBC	Collected By Client
3363931027	SB-31 (2-4)	Solid	06/07/2024 09:15	06/11/2024 15:50	CBC	Collected By Client
3363931028	SB-31 (6-8)	Solid	06/07/2024 09:15	06/11/2024 15:50	CBC	Collected By Client
3363931029	DUP 6724	Solid	06/07/2024 00:00	06/11/2024 15:50	CBC	Collected By Client
3363931030	TRIP BLANK	Water	06/07/2024 00:00	06/11/2024 15:50	CBC	Collected By Client

DRAFT



## Reference

### Notes

- Samples collected by ALS personnel are done so in accordance with the procedures set forth in the ALS Field Sampling Plan (20 - Field Services Sampling Plan).
- Except as qualified, Clean Water Act sample analyses are consistent with methodology requirements in 40 CFR Part 136, including but not limited to the following EPA Method reference revisions:
  - EPA 300.1 Rev. 1.0-1997
  - EPA 300.0 Rev. 2.1-1993
  - EPA 353.2 Rev. 2.0-1993
  - EPA 410.4 Rev. 1.0-1993
  - EPA 420.4 Rev. 1.0-1993
  - EPA 365.1 Rev. 2.0-1993
  - EPA 200.7 Rev. 4.4-1994
  - EPA 200.8 Rev. 5.4-1994
  - EPA 245.1 Rev. 3.0-1994
- Except as qualified, Safe Drinking Water Act sample analyses are consistent with methodology requirements in 40 CFR Part 141.
- The Chain of Custody document is included as part of this report.
- All Library Search analytes should be regarded as tentative identifications based on the presumptive evidence of the mass spectra. Concentrations reported are estimated values.
- Parameters identified as "analyze immediately" require analysis within 15 minutes of collection. Any "analyze immediately" parameters not listed under the header "Field Parameters" are performed in the laboratory and are therefore analyzed out of hold time.
- Method references listed on this report beginning with the prefix "S" followed by a method number (such as S2310B-97) refer to methods from "Standard Methods for the Examination of Water and Wastewater".
- For microbiological analyses, the "Prepared" value is the date/time into the incubator and the "Analyzed" value is the date/time out the incubator.
- An Analysis-Prep Method Cross Reference Table is included after Analytical Results & Qualifiers section in this report.
- Unless otherwise noted, all quantitative results for soils are reported on a dry weight basis.

### Standard Acronyms/Flags

J	Indicates an estimated value between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL) for the analyte
U	Indicates that the analyte was Not Detected (ND) above the MDL
N	Indicates presumptive evidence of the presence of a compound
MDL	Method Detection Limit
PQL	Practical Quantitation Limit
RDL	Practical Quantitation Limit for this Project
ND	Not Detected - indicates that the analyte was Not Detected
Cntr	Analysis was performed using this container
RegLmt	Regulatory Limit
LCS	Laboratory Control Sample
MS	Matrix Spike
MSD	Matrix Spike Duplicate
DUP	Sample Duplicate
%Rec	Percent Recovery
RPD	Relative Percent Difference
LOD	DoD Limit of Detection
LOQ	DoD Limit of Quantitation
DL	DoD Detection Limit
I	Indicates reported value is greater than or equal to the Method Detection Limit (MDL) but less than the Report Detection Limit (RDL)
(S)	Surrogate Compound
NC	Not Calculated
*	Result outside of QC limits
#	Please reference the result in the Results Section for analyte-level flags.



**Project Notations**

- P1** This report was revised to add Total Lead to ALS#3363931009 and #3363931010. EXP 6/26/24

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- P2** This report was revised to remove 8260 VOC and 8015 GRO collection qualifiers. EXP 7/1/24.

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- P3** This report was revised to change the reporting units from ug/kg to mg/kg for methods 8260/8015GRO/8270 per the client's request. EXP 7/3/24

**Sample Notations**

Lab ID	Sample ID		
3363931005	SB-28 (4-6)	<b>S1</b>	This sample was analyzed at a dilution in the 8015 diesel range organics analysis due to the level of analyte detected. Reporting limits were adjusted accordingly. Surrogate recovery could not be evaluated as a result of the dilution.
3363931006	SB-28 (6-8)	<b>S2</b>	This sample was analyzed at a dilution in the 8015 diesel range organics analysis due to the level of analyte detected. Reporting limits were adjusted accordingly. Surrogate recovery could not be evaluated as a result of the dilution.
3363931009	HA-05 (0-2)	<b>S3</b>	This sample was analyzed at a dilution in the 8015 diesel range organics analysis due to the level of analyte detected. Reporting limits were adjusted accordingly.
3363931012	SB-36 (4-6)	<b>S4</b>	This sample was analyzed at a dilution in the 8015 diesel range organics analysis due to the level of analyte detected. Reporting limits were adjusted accordingly.
3363931013	SB-35 (2-4)	<b>S5</b>	This sample was analyzed at a dilution in the 8015 diesel range organics analysis due to the level of analyte detected. Reporting limits were adjusted accordingly.
3363931014	SB-35 (4-6)	<b>S6</b>	This sample was analyzed at a dilution in the 8015 diesel range organics analysis due to the level of analyte detected. Reporting limits were adjusted accordingly.
3363931017	SB-32 (0-2)	<b>S7</b>	This sample was analyzed at a dilution in the 8015 diesel range organics analysis due to the level of analyte detected. Reporting limits were adjusted accordingly.
3363931018	SB-32 (2-4)	<b>S8</b>	This sample was analyzed at a dilution in the 8015 diesel range organics analysis due to the level of analyte detected. Reporting limits were adjusted accordingly.
3363931028	SB-31 (6-8)	<b>S9</b>	This sample was analyzed at a dilution in the 8260 volatiles analysis due to matrix. Reporting limits were adjusted accordingly.



Result Notations

Notation Ref.	
E	Result reported exceeds instrument calibration
1	The QC sample type MS for method SW846 8260D was outside the control limits for the analyte Acetone. The % Recovery was reported as 160 and the control limits were 58 to 146.
2	The CCV recovery was 41.86%D (limits +/-20%D) for method SW846 8260D for the analyte Bromomethane.
3	The QC sample type LCS for method SW846 8260D was outside the control limits for the analyte Bromomethane. The % Recovery was reported as 176 and the control limits were 43 to 148.
4	The QC sample type LCSD for method SW846 8260D was outside the control limits for the analyte Bromomethane. The % Recovery was reported as 151 and the control limits were 43 to 148.
5	The QC sample type LCS for method SW846 8260D was outside the control limits for the analyte Freon 113. The % Recovery was reported as 118 and the control limits were 40 to 109.
6	The QC sample type MS for method SW846 8260D was outside the control limits for the analyte Freon 113. The % Recovery was reported as 134 and the control limits were 40 to 109.
7	The QC sample type LCSD for method SW846 8260D was outside the control limits for the analyte Freon 113. The % Recovery was reported as 121 and the control limits were 40 to 109.
8	The CCV recovery was -20.03%D (limits +/-20%D) for method SW846 8260D for the analyte Tetrachloroethene.
9	The QC sample type MS for method SW846 8260D was outside the control limits for the analyte 1,1,2-Trichloroethane. The % Recovery was reported as 136 and the control limits were 79 to 123.
10	The QC sample type MS for method SW846 8260D was outside the control limits for the analyte Trichlorofluoromethane. The % Recovery was reported as 138 and the control limits were 40 to 130.
11	The QC sample type LCS for method SW846 8270E SIM was outside the control limits for the analyte Benzo(g,h,i)perylene. The % Recovery was reported as 114 and the control limits were 46 to 112.
12	The QC sample type MS for method SW846 8270E was outside the control limits for the analyte Acenaphthylene. The % Recovery was reported as 59.8 and the control limits were 63 to 106.
13	The QC sample type MSD for method SW846 8270E was outside the control limits for the analyte Pyrene. The % Recovery was reported as 59.7 and the control limits were 62 to 117.
14	The QC sample type MS for method SW846 8270E was outside the control limits for the analyte Pyrene. The % Recovery was reported as 54.8 and the control limits were 62 to 117.
15	The QC sample type MSD for method SW846 8270E SIM was outside the control limits for the analyte 1-Methylnaphthalene. The % Recovery was reported as 113 and the control limits were 60 to 110.
16	The QC sample type MSD for method SW846 8270E SIM was outside the control limits for the analyte 2-Methylnaphthalene. The % Recovery was reported as 112 and the control limits were 36 to 100.
17	The QC sample type MS for method SW846 8270E SIM was outside the control limits for the analyte 2-Methylnaphthalene. The % Recovery was reported as 102 and the control limits were 36 to 100.
18	The QC sample type MSD for method SW846 8270E SIM was outside the control limits for the analyte Phenanthrene. The % Recovery was reported as 106 and the control limits were 54 to 103.
19	Carbon tetrachloride was recovered below the 20 percent 8260D criteria in the continuing calibration verification associated with this sample. The % drift was reported at -23.09%. Acceptable limits are +/-20%.



20	The recovery of the Matrix Spike (MS) associated to this analyte was outside of the established control limits. The sample was post-digestion spiked, and this matrix spike was within acceptable recovery limits.
21	The QC sample type MSD1 for method SW846 6010C was outside the control limits for the analyte Lead, Total. The % Recovery was reported as 454 and the control limits were 75 to 125.
22	The QC sample type MSD1 for method SW846 6010C was outside the control limits for the analyte Lead, Total. The RPD was reported as 83 and the upper control limit is 20.
23	The QC sample type MS1 for method SW846 6010C was outside the control limits for the analyte Lead, Total. The % Recovery was reported as -67.4 and the control limits were 75 to 125.
24	The QC sample type MS for method SW846 8270E was outside the control limits for the analyte Acenaphthene. The % Recovery was reported as 60.8 and the control limits were 61 to 105.
25	The QC sample type MSD for method SW846 8270E was outside the control limits for the analyte Acenaphthylene. The % Recovery was reported as 61.1 and the control limits were 63 to 106.
26	The QC sample type MS for method SW846 8270E was outside the control limits for the analyte Acenaphthylene. The % Recovery was reported as 52.1 and the control limits were 63 to 106.
27	The QC sample type MS for method SW846 8270E was outside the control limits for the analyte Dibenzofuran. The % Recovery was reported as 60.4 and the control limits were 62 to 106.
28	The QC sample type MS for method SW846 8270E was outside the control limits for the analyte 1-Methylnaphthalene. The % Recovery was reported as 55.1 and the control limits were 63 to 113.
29	The QC sample type MS for method SW846 8270E was outside the control limits for the analyte 2-Methylnaphthalene. The % Recovery was reported as 50.5 and the control limits were 59 to 108.
30	The QC sample type MS for method SW846 8270E was outside the control limits for the analyte Naphthalene. The % Recovery was reported as 52.1 and the control limits were 60 to 102.
31	Analyte was analyzed past the 7 day holding time.
32	The concentration of this analyte was greater than 4 times the concentration of the spike added to the matrix spike. According to protocol, the calculation for percent recovery of the matrix spike is not valid.
33	The surrogate 1,2-Dichloroethane-d4 for method SW846 8260D was outside of control limits. The % Recovery was reported as 130 and the control limits were 56 to 124. This result was reported at a dilution of 1.
34	The QC sample type MS for method SW846 8270E SIM was outside the control limits for the analyte Fluoranthene. The % Recovery was reported as 52.8 and the control limits were 59 to 103.
35	The QC sample type MS for method SW846 8270E SIM was outside the control limits for the analyte 1-Methylnaphthalene. The % Recovery was reported as 53.9 and the control limits were 60 to 110.
36	The QC sample type MS for method SW846 8270E SIM was outside the control limits for the analyte Pyrene. The % Recovery was reported as 51.6 and the control limits were 57 to 104.
37	The QC sample type LCS for method SW846 8270E SIM was outside the control limits for the analyte Benzo(a)pyrene. The % Recovery was reported as 106 and the control limits were 50 to 102.
38	The QC sample type LCS for method SW846 8270E SIM was outside the control limits for the analyte Benzo(g,h,i)perylene. The % Recovery was reported as 128 and the control limits were 46 to 112.
39	The QC sample type LCS for method SW846 8270E SIM was outside the control limits for the analyte Dibenzo(a,h)anthracene. The % Recovery was reported as 124 and the control limits were 45 to 117.
40	This compound was recovered above the 20 percent 8260D criteria in the continuing calibration verification associated with this sample. The % difference was reported at 23.71%. Acceptable limits are +/-20%.





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41	The surrogate 2,4,6-Tribromophenol for method SW846 8270E was outside of control limits. The % Recovery was reported as 8.82 and the control limits were 19 to 132. This result was reported at a dilution of 1.
42	The QC sample type LCSD for method SW846 8260D was outside the control limits for the analyte Freon 113. The % Recovery was reported as 113 and the control limits were 40 to 109.
43	The QC sample type LCS for method SW846 8260D was outside the control limits for the analyte Freon 113. The % Recovery was reported as 122 and the control limits were 40 to 109.
44	Bromomethane was recovered above the 20 percent 8260D criteria in the continuing calibration verification associated with this sample. The % drift/difference was reported at 24.60%. Acceptable limits are +/-20%.

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**Detected Results Summary**

Client Sample ID	SB-30 (4-6)	Collected	06/07/2024 09:50
Lab Sample ID	3363931001	Lab Receipt	06/11/2024 15:50

Compound	Result	Units	RDL	MDL	Method	Flag
<b>GASOLINE RANGE ORGANICS</b>						
Gasoline Range Organics	2.3J	mg/kg	12.5	2.1	SW846 8015D	#
<b>PETROLEUM HC's</b>						
Diesel Range Organics C10-C28	41.1	mg/kg	13.7	3.7	SW846 8015D	#
<b>SEMIVOLATILE SIM</b>						
1-Methylnaphthalene	0.063	mg/kg	0.0064	0.0011	SW846 8270E SIM	#
2-Methylnaphthalene	0.047	mg/kg	0.0064	0.0017	SW846 8270E SIM	#
Acenaphthylene	0.0030J	mg/kg	0.0064	0.0011	SW846 8270E SIM	#
Anthracene	0.0036J	mg/kg	0.0064	0.0010	SW846 8270E SIM	#
Benzo(a)anthracene	0.0063J	mg/kg	0.0064	0.0010	SW846 8270E SIM	#
Benzo(b)fluoranthene	0.0087	mg/kg	0.0064	0.0010	SW846 8270E SIM	#
Benzo(g,h,i)perylene	0.013	mg/kg	0.0064	0.0013	SW846 8270E SIM	#
Benzo(k)fluoranthene	0.0055J	mg/kg	0.0064	0.0011	SW846 8270E SIM	#
Chrysene	0.014	mg/kg	0.0064	0.0011	SW846 8270E SIM	#
Fluoranthene	0.011	mg/kg	0.0064	0.0011	SW846 8270E SIM	#
Fluorene	0.0077	mg/kg	0.0064	0.0013	SW846 8270E SIM	#
Naphthalene	0.032	mg/kg	0.0064	0.0014	SW846 8270E SIM	#
Phenanthrene	0.061	mg/kg	0.0064	0.0014	SW846 8270E SIM	#
Pyrene	0.012	mg/kg	0.0064	0.0010	SW846 8270E SIM	#
<b>SEMIVOLATILES</b>						
1-Methylnaphthalene	0.054J	mg/kg	0.13	0.022	SW846 8270E	#
2-Methylnaphthalene	0.039J	mg/kg	0.13	0.022	SW846 8270E	#
Naphthalene	0.031J	mg/kg	0.064	0.022	SW846 8270E	#
Phenanthrene	0.058J	mg/kg	0.064	0.022	SW846 8270E	#
<b>VOLATILE ORGANICS</b>						
2-Butanone	0.0070J	mg/kg	0.014	0.0046	SW846 8260D	#
Acetone	0.048	mg/kg	0.014	0.0067	SW846 8260D	#
<b>WET CHEMISTRY</b>						
Moisture	24.4	%	0.1	0.01	S2540G-11	#
Total Solids	75.6	%	0.1	0.01	S2540G-11	#

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### Detected Results Summary

Client Sample ID	SB-30 (6-8)	Collected	06/07/2024 09:50
Lab Sample ID	3363931002	Lab Receipt	06/11/2024 15:50

Compound	Result	Units	RDL	MDL	Method	Flag
<b>GASOLINE RANGE ORGANICS</b>						
Gasoline Range Organics	36.2	mg/kg	11.7	2.0	SW846 8015D	#
<b>PETROLEUM HC's</b>						
Diesel Range Organics C10-C28	45.3	mg/kg	12.6	3.5	SW846 8015D	#
<b>SEMIVOLATILE SIM</b>						
1-Methylnaphthalene	0.16	mg/kg	0.0057	0.0010	SW846 8270E SIM	#
2-Methylnaphthalene	0.073	mg/kg	0.0057	0.0015	SW846 8270E SIM	#
Acenaphthene	0.016	mg/kg	0.0057	0.0010	SW846 8270E SIM	#
Acenaphthylene	0.0094	mg/kg	0.0057	0.0010	SW846 8270E SIM	#
Anthracene	0.0090	mg/kg	0.0057	0.00091	SW846 8270E SIM	#
Benzo(a)anthracene	0.0054J	mg/kg	0.0057	0.00091	SW846 8270E SIM	#
Benzo(b)fluoranthene	0.0065	mg/kg	0.0057	0.00091	SW846 8270E SIM	#
Benzo(g,h,i)perylene	0.0090	mg/kg	0.0057	0.0011	SW846 8270E SIM	#
Chrysene	0.012	mg/kg	0.0057	0.0010	SW846 8270E SIM	#
Fluoranthene	0.010	mg/kg	0.0057	0.0010	SW846 8270E SIM	#
Fluorene	0.023	mg/kg	0.0057	0.0011	SW846 8270E SIM	#
Naphthalene	0.090	mg/kg	0.0057	0.0012	SW846 8270E SIM	#
Phenanthrene	0.15	mg/kg	0.0057	0.0012	SW846 8270E SIM	#
Pyrene	0.013	mg/kg	0.0057	0.00091	SW846 8270E SIM	#
<b>SEMIVOLATILES</b>						
1-Methylnaphthalene	0.14	mg/kg	0.11	0.019	SW846 8270E	#
2-Methylnaphthalene	0.068J	mg/kg	0.11	0.019	SW846 8270E	#
Dibenzofuran	0.029J	mg/kg	0.11	0.019	SW846 8270E	#
Naphthalene	0.086	mg/kg	0.057	0.019	SW846 8270E	#
Phenanthrene	0.14	mg/kg	0.057	0.019	SW846 8270E	#
<b>VOLATILE ORGANICS</b>						
2-Butanone	0.0067J	mg/kg	0.011	0.0037	SW846 8260D	#
Acetone	0.047	mg/kg	0.011	0.0053	SW846 8260D	#
Isopropylbenzene	0.0013J	mg/kg	0.0023	0.00070	SW846 8260D	#
n-Propylbenzene	0.00094J	mg/kg	0.0023	0.00057	SW846 8260D	#
sec-Butylbenzene	0.0022J	mg/kg	0.0023	0.00057	SW846 8260D	#
<b>WET CHEMISTRY</b>						
Moisture	18.3	%	0.1	0.01	S25406-11	#
Total Solids	81.7	%	0.1	0.01	S25406-11	#

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**Detected Results Summary**

Client Sample ID SB-29 (2-4) Collected 06/07/2024 10:15  
 Lab Sample ID 3363931003 Lab Receipt 06/11/2024 15:50

Compound	Result	Units	RDL	MDL	Method	Flag
<b>PETROLEUM HC's</b>						
Diesel Range Organics C10-C28	61.3	mg/kg	12.6	3.5	SW846 8015D	#
<b>SEMIVOLATILE SIM</b>						
1-Methylnaphthalene	0.012	mg/kg	0.0055	0.0010	SW846 8270E SIM	#
2-Methylnaphthalene	0.014	mg/kg	0.0055	0.0014	SW846 8270E SIM	#
Acenaphthylene	0.0043J	mg/kg	0.0055	0.0010	SW846 8270E SIM	#
Anthracene	0.0032J	mg/kg	0.0055	0.00089	SW846 8270E SIM	#
Benzo(a)anthracene	0.011	mg/kg	0.0055	0.00089	SW846 8270E SIM	#
Benzo(a)pyrene	0.015	mg/kg	0.0055	0.00089	SW846 8270E SIM	#
Benzo(b)fluoranthene	0.014	mg/kg	0.0055	0.00089	SW846 8270E SIM	#
Benzo(g,h,i)perylene	0.014	mg/kg	0.0055	0.0011	SW846 8270E SIM	#
Benzo(k)fluoranthene	0.013	mg/kg	0.0055	0.0010	SW846 8270E SIM	#
Chrysene	0.013	mg/kg	0.0055	0.0010	SW846 8270E SIM	#
Dibenzo(a,h)anthracene	0.0028J	mg/kg	0.0055	0.00078	SW846 8270E SIM	#
Fluoranthene	0.026	mg/kg	0.0055	0.0010	SW846 8270E SIM	#
Fluorene	0.0025J	mg/kg	0.0055	0.0011	SW846 8270E SIM	#
Indeno(1,2,3-cd)pyrene	0.013	mg/kg	0.0055	0.00089	SW846 8270E SIM	#
Naphthalene	0.011	mg/kg	0.0055	0.0012	SW846 8270E SIM	#
Phenanthrene	0.031	mg/kg	0.0055	0.0012	SW846 8270E SIM	#
Pyrene	0.023	mg/kg	0.0055	0.00089	SW846 8270E SIM	#
<b>SEMIVOLATILES</b>						
Fluoranthene	0.030J	mg/kg	0.055	0.019	SW846 8270E	#
Phenanthrene	0.028J	mg/kg	0.055	0.019	SW846 8270E	#
<b>VOLATILE ORGANICS</b>						
Acetone	0.0070J	mg/kg	0.013	0.0060	SW846 8260D	#
<b>WET CHEMISTRY</b>						
Moisture	19.4	%	0.1	0.01	S2540G-11	#
Total Solids	80.6	%	0.1	0.01	S2540G-11	#

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**Detected Results Summary**

Client Sample ID	SB-29 (4-6)	Collected	06/07/2024 10:15
Lab Sample ID	3363931004	Lab Receipt	06/11/2024 15:50

Compound	Result	Units	RDL	MDL	Method	Flag
<b>PETROLEUM HC's</b>						
Diesel Range Organics C10-C28	16.5	mg/kg	12.3	3.4	SW846 8015D	#
<b>SEMIVOLATILE SIM</b>						
1-Methylnaphthalene	0.0068	mg/kg	0.0051	0.00093	SW846 8270E SIM	#
2-Methylnaphthalene	0.0084	mg/kg	0.0051	0.0013	SW846 8270E SIM	#
Chrysene	0.0039J	mg/kg	0.0051	0.00093	SW846 8270E SIM	#
Fluoranthene	0.0021J	mg/kg	0.0051	0.00093	SW846 8270E SIM	#
Naphthalene	0.0056	mg/kg	0.0051	0.0011	SW846 8270E SIM	#
Phenanthrene	0.0056	mg/kg	0.0051	0.0011	SW846 8270E SIM	#
Pyrene	0.0027J	mg/kg	0.0051	0.00082	SW846 8270E SIM	#
<b>VOLATILE ORGANICS</b>						
2-Butanone	0.0081J	mg/kg	0.012	0.0040	SW846 8260D	#
Acetone	0.075	mg/kg	0.012	0.0057	SW846 8260D	#
Carbon Disulfide	0.0028	mg/kg	0.0025	0.00078	SW846 8260D	#
Methylene Chloride	0.0050	mg/kg	0.0025	0.00096	SW846 8260D	#
<b>WET CHEMISTRY</b>						
Moisture	17.7	%	0.1	0.01	S2540G-11	#
Total Solids	82.3	%	0.1	0.01	S2540G-11	#

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### Detected Results Summary

Client Sample ID	SB-28 (4-6)	Collected	06/07/2024 10:45
Lab Sample ID	3363931005	Lab Receipt	06/11/2024 15:50

Compound	Result	Units	RDL	MDL	Method	Flag
<b>GASOLINE RANGE ORGANICS</b>						
Gasoline Range Organics	1680	mg/kg	243	41.3	SW846 8015D	#
<b>PETROLEUM HC's</b>						
Diesel Range Organics C10-C28	3110	mg/kg	677	185	SW846 8015D	#
<b>SEMIVOLATILE SIM</b>						
1-Methylnaphthalene	2.4	mg/kg	0.0056	0.0010	SW846 8270E SIM	#
2-Methylnaphthalene	3.5	mg/kg	0.0056	0.0014	SW846 8270E SIM	#
Anthracene	0.076	mg/kg	0.0056	0.00089	SW846 8270E SIM	#
Benzo(g,h,i)perylene	0.0058	mg/kg	0.0056	0.0011	SW846 8270E SIM	#
Chrysene	0.12	mg/kg	0.0056	0.0010	SW846 8270E SIM	#
Fluoranthene	0.090	mg/kg	0.0056	0.0010	SW846 8270E SIM	#
Fluorene	0.32	mg/kg	0.0056	0.0011	SW846 8270E SIM	#
Naphthalene	0.82	mg/kg	0.0056	0.0012	SW846 8270E SIM	#
Phenanthrene	0.80	mg/kg	0.0056	0.0012	SW846 8270E SIM	#
Pyrene	0.078	mg/kg	0.0056	0.00089	SW846 8270E SIM	#
<b>SEMIVOLATILES</b>						
1-Methylnaphthalene	2.7	mg/kg	0.11	0.019	SW846 8270E	#
2-Methylnaphthalene	4.2	mg/kg	0.11	0.019	SW846 8270E	#
Anthracene	0.061	mg/kg	0.056	0.019	SW846 8270E	#
Dibenzofuran	0.14	mg/kg	0.11	0.019	SW846 8270E	#
Naphthalene	0.80	mg/kg	0.056	0.019	SW846 8270E	#
Phenanthrene	0.82	mg/kg	0.056	0.019	SW846 8270E	#
Pyrene	0.091	mg/kg	0.056	0.019	SW846 8270E	#
<b>VOLATILE ORGANICS</b>						
4-Methyl-2-Pentanone(MIBK)	16.9	mg/kg	3.0	0.91	SW846 8260D	#
Isopropylbenzene	4.0	mg/kg	0.61	0.13	SW846 8260D	#
mp-Xylene	1.1J	mg/kg	1.2	0.32	SW846 8260D	#
Naphthalene	11.8	mg/kg	1.2	0.21	SW846 8260D	#
n-Butylbenzene	5.0	mg/kg	1.2	0.36	SW846 8260D	#
n-Propylbenzene	10.7	mg/kg	0.61	0.20	SW846 8260D	#
sec-Butylbenzene	2.2	mg/kg	0.61	0.19	SW846 8260D	#
Total Xylenes	1.1J	mg/kg	1.8	0.40	SW846 8260D	#
<b>WET CHEMISTRY</b>						
Moisture	22.7	%	0.1	0.01	S2540G-11	#
Total Solids	77.3	%	0.1	0.01	S2540G-11	#

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### Detected Results Summary

Client Sample ID	SB-28 (6-8)	Collected	06/07/2024 10:45
Lab Sample ID	3363931006	Lab Receipt	06/11/2024 15:50

Compound	Result	Units	RDL	MDL	Method	Flag
<b>GASOLINE RANGE ORGANICS</b>						
Gasoline Range Organics	1190	mg/kg	268	45.6	SW846 8015D	#
<b>PETROLEUM HC's</b>						
Diesel Range Organics C10-C28	1330	mg/kg	266	72.9	SW846 8015D	#
<b>SEMIVOLATILE SIM</b>						
1-Methylnaphthalene	1.1	mg/kg	0.0061	0.0011	SW846 8270E SIM	#
2-Methylnaphthalene	1.5	mg/kg	0.0061	0.0016	SW846 8270E SIM	#
Anthracene	0.043	mg/kg	0.0061	0.00098	SW846 8270E SIM	#
Benzo(a)anthracene	0.013	mg/kg	0.0061	0.00098	SW846 8270E SIM	#
Benzo(g,h,i)perylene	0.0053J	mg/kg	0.0061	0.0012	SW846 8270E SIM	#
Chrysene	0.060	mg/kg	0.0061	0.0011	SW846 8270E SIM	#
Fluoranthene	0.055	mg/kg	0.0061	0.0011	SW846 8270E SIM	#
Fluorene	0.14	mg/kg	0.0061	0.0012	SW846 8270E SIM	#
Naphthalene	0.51	mg/kg	0.0061	0.0013	SW846 8270E SIM	#
Phenanthrene	0.40	mg/kg	0.0061	0.0013	SW846 8270E SIM	#
Pyrene	0.049	mg/kg	0.0061	0.00098	SW846 8270E SIM	#
<b>SEMIVOLATILES</b>						
1-Methylnaphthalene	1.3	mg/kg	0.12	0.021	SW846 8270E	#
2-Methylnaphthalene	1.8	mg/kg	0.12	0.021	SW846 8270E	#
Anthracene	0.026J	mg/kg	0.061	0.021	SW846 8270E	#
Dibenzofuran	0.069J	mg/kg	0.12	0.021	SW846 8270E	#
Fluoranthene	0.030J	mg/kg	0.061	0.021	SW846 8270E	#
Fluorene	0.14	mg/kg	0.061	0.021	SW846 8270E	#
Naphthalene	0.51	mg/kg	0.061	0.021	SW846 8270E	#
Phenanthrene	0.40	mg/kg	0.061	0.021	SW846 8270E	#
Pyrene	0.068	mg/kg	0.061	0.021	SW846 8270E	#
<b>VOLATILE ORGANICS</b>						
4-Methyl-2-Pentanone(MIBK)	12.7	mg/kg	3.4	1.0	SW846 8260D	#
Isopropylbenzene	2.1	mg/kg	0.67	0.15	SW846 8260D	#
mp-Xylene	0.53J	mg/kg	1.3	0.35	SW846 8260D	#
Naphthalene	6.0	mg/kg	1.3	0.23	SW846 8260D	#
n-Butylbenzene	2.6	mg/kg	1.3	0.40	SW846 8260D	#
n-Propylbenzene	5.1	mg/kg	0.67	0.22	SW846 8260D	#
sec-Butylbenzene	1.2	mg/kg	0.67	0.21	SW846 8260D	#
Total Xylenes	0.53J	mg/kg	2.0	0.44	SW846 8260D	#
<b>WET CHEMISTRY</b>						
Moisture	21.5	%	0.1	0.01	S2540G-11	#
Total Solids	78.5	%	0.1	0.01	S2540G-11	#

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**Detected Results Summary**

Client Sample ID SB-27 (4-6) Collected 06/07/2024 12:15  
 Lab Sample ID 3363931007 Lab Receipt 06/11/2024 15:50

Compound	Result	Units	RDL	MDL	Method	Flag
<b>GASOLINE RANGE ORGANICS</b>						
Gasoline Range Organics	4.7J	mg/kg	12.4	2.1	SW846 8015D	#
<b>PETROLEUM HC's</b>						
Diesel Range Organics C10-C28	11.6J	mg/kg	13.0	3.6	SW846 8015D	#
<b>SEMIVOLATILE SIM</b>						
1-Methylnaphthalene	0.027	mg/kg	0.0058	0.0011	SW846 8270E SIM	#
2-Methylnaphthalene	0.047	mg/kg	0.0058	0.0015	SW846 8270E SIM	#
Acenaphthene	0.021	mg/kg	0.0058	0.0011	SW846 8270E SIM	#
Anthracene	0.0039J	mg/kg	0.0058	0.00094	SW846 8270E SIM	#
Benzo(a)anthracene	0.0031J	mg/kg	0.0058	0.00094	SW846 8270E SIM	#
Benzo(a)pyrene	0.0039J	mg/kg	0.0058	0.00094	SW846 8270E SIM	#
Benzo(b)fluoranthene	0.0053J	mg/kg	0.0058	0.00094	SW846 8270E SIM	#
Benzo(g,h,i)perylene	0.0062	mg/kg	0.0058	0.0012	SW846 8270E SIM	#
Benzo(k)fluoranthene	0.0047J	mg/kg	0.0058	0.0011	SW846 8270E SIM	#
Chrysene	0.0040J	mg/kg	0.0058	0.0011	SW846 8270E SIM	#
Dibenzo(a,h)anthracene	0.0048J	mg/kg	0.0058	0.00082	SW846 8270E SIM	#
Fluoranthene	0.0093	mg/kg	0.0058	0.0011	SW846 8270E SIM	#
Fluorene	0.014	mg/kg	0.0058	0.0012	SW846 8270E SIM	#
Naphthalene	0.12	mg/kg	0.0058	0.0013	SW846 8270E SIM	#
Phenanthrene	0.037	mg/kg	0.0058	0.0013	SW846 8270E SIM	#
Pyrene	0.0068	mg/kg	0.0058	0.00094	SW846 8270E SIM	#
<b>SEMIVOLATILES</b>						
1-Methylnaphthalene	0.025J	mg/kg	0.12	0.020	SW846 8270E	#
2-Methylnaphthalene	0.049J	mg/kg	0.12	0.020	SW846 8270E	#
Acenaphthene	0.022J	mg/kg	0.058	0.020	SW846 8270E	#
Dibenzofuran	0.021J	mg/kg	0.12	0.020	SW846 8270E	#
Naphthalene	0.12	mg/kg	0.058	0.020	SW846 8270E	#
Phenanthrene	0.040J	mg/kg	0.058	0.020	SW846 8270E	#
<b>VOLATILE ORGANICS</b>						
2-Butanone	0.013	mg/kg	0.013	0.0041	SW846 8260D	#
Acetone	0.085	mg/kg	0.013	0.0059	SW846 8260D	#
Benzene	0.00070J	mg/kg	0.0026	0.00064	SW846 8260D	#
Methylene Chloride	0.0013J	mg/kg	0.0026	0.0010	SW846 8260D	#
sec-Butylbenzene	0.00087J	mg/kg	0.0026	0.00064	SW846 8260D	#
<b>WET CHEMISTRY</b>						
Moisture	20.8	%	0.1	0.01	S2540G-11	#
Total Solids	79.2	%	0.1	0.01	S2540G-11	#

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**Detected Results Summary**

Client Sample ID	SB-27 (6-8)	Collected	06/07/2024 12:15
Lab Sample ID	3363931008	Lab Receipt	06/11/2024 15:50

Compound	Result	Units	RDL	MDL	Method	Flag
<b>GASOLINE RANGE ORGANICS</b>						
Gasoline Range Organics	9.0J	mg/kg	12.8	2.2	SW846 8015D	#
<b>PETROLEUM HC's</b>						
Diesel Range Organics C10-C28	10J	mg/kg	12.9	3.5	SW846 8015D	#
<b>SEMIVOLATILE SIM</b>						
Naphthalene	0.0028J	mg/kg	0.0060	0.0013	SW846 8270E SIM	#
<b>VOLATILE ORGANICS</b>						
2-Butanone	0.013	mg/kg	0.012	0.0038	SW846 8260D	#
Acetone	0.090	mg/kg	0.012	0.0054	SW846 8260D	#
Benzene	0.00079J	mg/kg	0.0024	0.00059	SW846 8260D	#
sec-Butylbenzene	0.00096J	mg/kg	0.0024	0.00059	SW846 8260D	#
<b>WET CHEMISTRY</b>						
Moisture	19.7	%	0.1	0.01	S2540G-11	#
Total Solids	80.3	%	0.1	0.01	S2540G-11	#

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**Detected Results Summary**

Client Sample ID	HA-05 (0-2)	Collected	06/07/2024 12:25
Lab Sample ID	3363931009	Lab Receipt	06/11/2024 15:50

<u>Compound</u>	<u>Result</u>	<u>Units</u>	<u>RDL</u>	<u>MDL</u>	<u>Method</u>	<u>Flag</u>
<b>METALS</b>						
Lead, Total	479	mg/kg	2.4	0.78	SW846 6010C	#
<b>PETROLEUM HC's</b>						
Diesel Range Organics C10-C28	734	mg/kg	121	33.0	SW846 8015D	#
<b>WET CHEMISTRY</b>						
Moisture	16.7	%	0.1	0.01	S2540G-11	#
Total Solids	83.3	%	0.1	0.01	S2540G-11	#

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**Detected Results Summary**

Client Sample ID	HA-04 (0-2)	Collected	06/07/2024 12:35
Lab Sample ID	3363931010	Lab Receipt	06/11/2024 15:50

<u>Compound</u>	<u>Result</u>	<u>Units</u>	<u>RDL</u>	<u>MDL</u>	<u>Method</u>	<u>Flag</u>
<b>METALS</b>						
Lead, Total	19.0	mg/kg	2.8	0.92	SW846 6010C	#
<b>PETROLEUM HC's</b>						
Diesel Range Organics C10-C28	110	mg/kg	14.9	4.1	SW846 8015D	#
<b>WET CHEMISTRY</b>						
Moisture	30.4	%	0.1	0.01	S2540G-11	#
Total Solids	69.6	%	0.1	0.01	S2540G-11	#

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**Detected Results Summary**

Client Sample ID SB-36 (2-4) Collected 06/07/2024 13:35  
 Lab Sample ID 3363931011 Lab Receipt 06/11/2024 15:50

Compound	Result	Units	RDL	MDL	Method	Flag
<b>GASOLINE RANGE ORGANICS</b>						
Gasoline Range Organics	4.6J	mg/kg	12.4	2.1	SW846 8015D	#
<b>PETROLEUM HC's</b>						
Diesel Range Organics C10-C28	5.8J	mg/kg	12.7	3.5	SW846 8015D	#
<b>SEMIVOLATILE SIM</b>						
1-Methylnaphthalene	0.14	mg/kg	0.0059	0.0011	SW846 8270E SIM	#
2-Methylnaphthalene	0.089	mg/kg	0.0059	0.0015	SW846 8270E SIM	#
Acenaphthene	0.012	mg/kg	0.0059	0.0011	SW846 8270E SIM	#
Benzo(a)anthracene	0.0043J	mg/kg	0.0059	0.00094	SW846 8270E SIM	#
Benzo(a)pyrene	0.0048J	mg/kg	0.0059	0.00094	SW846 8270E SIM	#
Benzo(b)fluoranthene	0.0058J	mg/kg	0.0059	0.00094	SW846 8270E SIM	#
Benzo(g,h,i)perylene	0.0053J	mg/kg	0.0059	0.0012	SW846 8270E SIM	#
Benzo(k)fluoranthene	0.0051J	mg/kg	0.0059	0.0011	SW846 8270E SIM	#
Chrysene	0.0063	mg/kg	0.0059	0.0011	SW846 8270E SIM	#
Fluoranthene	0.0056J	mg/kg	0.0059	0.0011	SW846 8270E SIM	#
Fluorene	0.022	mg/kg	0.0059	0.0012	SW846 8270E SIM	#
Indeno(1,2,3-cd)pyrene	0.0045J	mg/kg	0.0059	0.00094	SW846 8270E SIM	#
Naphthalene	0.051	mg/kg	0.0059	0.0013	SW846 8270E SIM	#
Phenanthrene	0.035	mg/kg	0.0059	0.0013	SW846 8270E SIM	#
Pyrene	0.0050J	mg/kg	0.0059	0.00094	SW846 8270E SIM	#
<b>SEMIVOLATILES</b>						
1-Methylnaphthalene	0.13	mg/kg	0.12	0.020	SW846 8270E	#
2-Methylnaphthalene	0.090J	mg/kg	0.12	0.020	SW846 8270E	#
Fluorene	0.022J	mg/kg	0.059	0.020	SW846 8270E	#
Naphthalene	0.051J	mg/kg	0.059	0.020	SW846 8270E	#
Phenanthrene	0.037J	mg/kg	0.059	0.020	SW846 8270E	#
<b>VOLATILE ORGANICS</b>						
Acetone	0.019	mg/kg	0.011	0.0053	SW846 8260D	#
Benzene	0.0012J	mg/kg	0.0023	0.00057	SW846 8260D	#
n-Propylbenzene	0.0016J	mg/kg	0.0023	0.00057	SW846 8260D	#
<b>WET CHEMISTRY</b>						
Moisture	19.9	%	0.1	0.01	S2540G-11	#
Total Solids	80.1	%	0.1	0.01	S2540G-11	#

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**Detected Results Summary**

Client Sample ID	SB-36 (4-6)	Collected	06/07/2024 13:35
Lab Sample ID	3363931012	Lab Receipt	06/11/2024 15:50

Compound	Result	Units	RDL	MDL	Method	Flag
<b>GASOLINE RANGE ORGANICS</b>						
Gasoline Range Organics	454	mg/kg	109	18.6	SW846 8015D	#
<b>PETROLEUM HC's</b>						
Diesel Range Organics C10-C28	260	mg/kg	59.7	16.3	SW846 8015D	#
<b>SEMIVOLATILE SIM</b>						
1-Methylnaphthalene	0.17	mg/kg	0.0055	0.00098	SW846 8270E SIM	#
2-Methylnaphthalene	0.26	mg/kg	0.0055	0.0014	SW846 8270E SIM	#
Acenaphthene	0.044	mg/kg	0.0055	0.00098	SW846 8270E SIM	#
Anthracene	0.063	mg/kg	0.0055	0.00087	SW846 8270E SIM	#
Fluorene	0.18	mg/kg	0.0055	0.0011	SW846 8270E SIM	#
Naphthalene	0.0077	mg/kg	0.0055	0.0012	SW846 8270E SIM	#
Phenanthrene	0.82	mg/kg	0.0055	0.0012	SW846 8270E SIM	#
Pyrene	0.017	mg/kg	0.0055	0.00087	SW846 8270E SIM	#
<b>SEMIVOLATILES</b>						
1-Methylnaphthalene	0.17	mg/kg	0.11	0.019	SW846 8270E	#
2-Methylnaphthalene	0.26	mg/kg	0.11	0.019	SW846 8270E	#
Dibenzofuran	0.053J	mg/kg	0.11	0.019	SW846 8270E	#
Fluorene	0.21	mg/kg	0.055	0.019	SW846 8270E	#
Phenanthrene	0.85	mg/kg	0.055	0.019	SW846 8270E	#
<b>VOLATILE ORGANICS</b>						
1,2,4-Trimethylbenzene	1.4	mg/kg	0.27	0.068	SW846 8260D	#
4-Methyl-2-Pentanone(MIBK)	7.6	mg/kg	1.4	0.41	SW846 8260D	#
Isopropylbenzene	0.50	mg/kg	0.27	0.060	SW846 8260D	#
mp-Xylene	0.16J	mg/kg	0.55	0.14	SW846 8260D	#
n-Butylbenzene	1.6	mg/kg	0.55	0.16	SW846 8260D	#
n-Propylbenzene	1.1	mg/kg	0.27	0.090	SW846 8260D	#
sec-Butylbenzene	0.65	mg/kg	0.27	0.085	SW846 8260D	#
<b>WET CHEMISTRY</b>						
Moisture	13.5	%	0.1	0.01	S2540G-11	#
Total Solids	86.5	%	0.1	0.01	S2540G-11	#

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**Detected Results Summary**

Client Sample ID SB-35 (2-4) Collected 06/07/2024 13:40  
 Lab Sample ID 3363931013 Lab Receipt 06/11/2024 15:50

Compound	Result	Units	RDL	MDL	Method	Flag
<b>GASOLINE RANGE ORGANICS</b>						
Gasoline Range Organics	612	mg/kg	14.5	2.5	SW846 8015D	#
<b>PETROLEUM HC's</b>						
Diesel Range Organics C10-C28	290	mg/kg	70.5	19.3	SW846 8015D	#
<b>SEMIVOLATILE SIM</b>						
1-Methylnaphthalene	1.8	mg/kg	0.0066	0.0012	SW846 8270E SIM	#
2-Methylnaphthalene	2.7	mg/kg	0.0066	0.0017	SW846 8270E SIM	#
Acenaphthene	0.19	mg/kg	0.0066	0.0012	SW846 8270E SIM	#
Anthracene	0.083	mg/kg	0.0066	0.0011	SW846 8270E SIM	#
Chrysene	0.0046J	mg/kg	0.0066	0.0012	SW846 8270E SIM	#
Fluorene	0.36	mg/kg	0.0066	0.0013	SW846 8270E SIM	#
Naphthalene	0.53	mg/kg	0.0066	0.0015	SW846 8270E SIM	#
Phenanthrene	1.2	mg/kg	0.0066	0.0015	SW846 8270E SIM	#
Pyrene	0.020	mg/kg	0.0066	0.0011	SW846 8270E SIM	#
<b>SEMIVOLATILES</b>						
1-Methylnaphthalene	2.2	mg/kg	0.13	0.022	SW846 8270E	#
2-Methylnaphthalene	3.5	mg/kg	0.13	0.022	SW846 8270E	#
Dibenzofuran	0.16	mg/kg	0.13	0.022	SW846 8270E	#
Fluorene	0.40	mg/kg	0.066	0.022	SW846 8270E	#
Naphthalene	0.54	mg/kg	0.066	0.022	SW846 8270E	#
Phenanthrene	1.2	mg/kg	0.066	0.022	SW846 8270E	#
<b>VOLATILE ORGANICS</b>						
1,2,4-Trimethylbenzene	15.2	mg/kg	0.36	0.090	SW846 8260D	#
4-Methyl-2-Pentanone(MIBK)	5.0	mg/kg	1.8	0.54	SW846 8260D	#
Ethylbenzene	1.1	mg/kg	0.36	0.12	SW846 8260D	#
Isopropylbenzene	0.66	mg/kg	0.36	0.080	SW846 8260D	#
mp-Xylene	1.7	mg/kg	0.72	0.19	SW846 8260D	#
Naphthalene	5.4	mg/kg	0.72	0.12	SW846 8260D	#
n-Butylbenzene	1.5	mg/kg	0.72	0.22	SW846 8260D	#
n-Propylbenzene	1.5	mg/kg	0.36	0.12	SW846 8260D	#
p-Isopropyltoluene	0.88	mg/kg	0.36	0.12	SW846 8260D	#
sec-Butylbenzene	0.64	mg/kg	0.36	0.11	SW846 8260D	#
Total Xylenes	1.7	mg/kg	1.1	0.24	SW846 8260D	#
<b>WET CHEMISTRY</b>						
Moisture	25.8	%	0.1	0.01	S2540G-11	#
Total Solids	74.2	%	0.1	0.01	S2540G-11	#

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**Detected Results Summary**

Client Sample ID SB-35 (4-6) Collected 06/07/2024 13:40  
 Lab Sample ID 3363931014 Lab Receipt 06/11/2024 15:50

Compound	Result	Units	RDL	MDL	Method	Flag
<b>GASOLINE RANGE ORGANICS</b>						
Gasoline Range Organics	416	mg/kg	11.5	2.0	SW846 8015D	#
<b>PETROLEUM HC's</b>						
Diesel Range Organics C10-C28	185	mg/kg	62.1	17.0	SW846 8015D	#
<b>SEMIVOLATILE SIM</b>						
1-Methylnaphthalene	0.35	mg/kg	0.0057	0.0010	SW846 8270E SIM	#
2-Methylnaphthalene	0.57	mg/kg	0.0057	0.0015	SW846 8270E SIM	#
Acenaphthene	0.046	mg/kg	0.0057	0.0010	SW846 8270E SIM	#
Anthracene	0.038	mg/kg	0.0057	0.00091	SW846 8270E SIM	#
Fluorene	0.14	mg/kg	0.0057	0.0011	SW846 8270E SIM	#
Naphthalene	0.14	mg/kg	0.0057	0.0012	SW846 8270E SIM	#
Phenanthrene	0.53	mg/kg	0.0057	0.0012	SW846 8270E SIM	#
Pyrene	0.011	mg/kg	0.0057	0.00091	SW846 8270E SIM	#
<b>SEMIVOLATILES</b>						
1-Methylnaphthalene	0.38	mg/kg	0.11	0.019	SW846 8270E	#
2-Methylnaphthalene	0.60	mg/kg	0.11	0.019	SW846 8270E	#
Dibenzofuran	0.065J	mg/kg	0.11	0.019	SW846 8270E	#
Fluorene	0.16	mg/kg	0.057	0.019	SW846 8270E	#
Naphthalene	0.15	mg/kg	0.057	0.019	SW846 8270E	#
Phenanthrene	0.56	mg/kg	0.057	0.019	SW846 8270E	#
<b>VOLATILE ORGANICS</b>						
1,2,4-Trimethylbenzene	10.6	mg/kg	0.29	0.072	SW846 8260D	#
4-Methyl-2-Pentanone(MIBK)	3.3	mg/kg	1.4	0.43	SW846 8260D	#
Ethylbenzene	0.50	mg/kg	0.29	0.098	SW846 8260D	#
Isopropylbenzene	0.44	mg/kg	0.29	0.063	SW846 8260D	#
mp-Xylene	0.92	mg/kg	0.58	0.15	SW846 8260D	#
Naphthalene	5.5	mg/kg	0.58	0.098	SW846 8260D	#
n-Butylbenzene	1.3	mg/kg	0.58	0.17	SW846 8260D	#
n-Propylbenzene	1.1	mg/kg	0.29	0.095	SW846 8260D	#
p-Isopropyltoluene	0.67	mg/kg	0.29	0.092	SW846 8260D	#
sec-Butylbenzene	0.46	mg/kg	0.29	0.089	SW846 8260D	#
Total Xylenes	0.92	mg/kg	0.86	0.19	SW846 8260D	#
<b>WET CHEMISTRY</b>						
Moisture	16.8	%	0.1	0.01	S2540G-11	#
Total Solids	83.2	%	0.1	0.01	S2540G-11	#

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**Detected Results Summary**

Client Sample ID SB-34 (0-2) Collected 06/07/2024 13:55  
 Lab Sample ID 3363931015 Lab Receipt 06/11/2024 15:50

Compound	Result	Units	RDL	MDL	Method	Flag
<b>GASOLINE RANGE ORGANICS</b>						
Gasoline Range Organics	9.9J	mg/kg	15.1	2.6	SW846 8015D	#
<b>PETROLEUM HC's</b>						
Diesel Range Organics C10-C28	101	mg/kg	13.9	3.8	SW846 8015D	#
<b>SEMIVOLATILE SIM</b>						
1-Methylnaphthalene	0.21	mg/kg	0.0058	0.0010	SW846 8270E SIM	#
2-Methylnaphthalene	0.29	mg/kg	0.0058	0.0015	SW846 8270E SIM	#
Acenaphthylene	0.0068	mg/kg	0.0058	0.0010	SW846 8270E SIM	#
Anthracene	0.0078	mg/kg	0.0058	0.00093	SW846 8270E SIM	#
Benzo(a)anthracene	0.027	mg/kg	0.0058	0.00093	SW846 8270E SIM	#
Benzo(a)pyrene	0.030	mg/kg	0.0058	0.00093	SW846 8270E SIM	#
Benzo(b)fluoranthene	0.032	mg/kg	0.0058	0.00093	SW846 8270E SIM	#
Benzo(g,h,i)perylene	0.031	mg/kg	0.0058	0.0012	SW846 8270E SIM	#
Benzo(k)fluoranthene	0.026	mg/kg	0.0058	0.0010	SW846 8270E SIM	#
Chrysene	0.042	mg/kg	0.0058	0.0010	SW846 8270E SIM	#
Dibenzo(a,h)anthracene	0.0073	mg/kg	0.0058	0.00081	SW846 8270E SIM	#
Fluoranthene	0.038	mg/kg	0.0058	0.0010	SW846 8270E SIM	#
Fluorene	0.0056J	mg/kg	0.0058	0.0012	SW846 8270E SIM	#
Indeno(1,2,3-cd)pyrene	0.020	mg/kg	0.0058	0.00093	SW846 8270E SIM	#
Naphthalene	0.21	mg/kg	0.0058	0.0013	SW846 8270E SIM	#
Phenanthrene	0.17	mg/kg	0.0058	0.0013	SW846 8270E SIM	#
Pyrene	0.037	mg/kg	0.0058	0.00093	SW846 8270E SIM	#
<b>SEMIVOLATILES</b>						
1-Methylnaphthalene	0.21	mg/kg	0.12	0.020	SW846 8270E	#
2-Methylnaphthalene	0.29	mg/kg	0.12	0.020	SW846 8270E	#
Benzo(a)anthracene	0.030J	mg/kg	0.058	0.020	SW846 8270E	#
Benzo(a)pyrene	0.033J	mg/kg	0.058	0.020	SW846 8270E	#
Benzo(b)fluoranthene	0.030J	mg/kg	0.058	0.020	SW846 8270E	#
Benzo(g,h,i)perylene	0.036J	mg/kg	0.058	0.020	SW846 8270E	#
Benzo(k)fluoranthene	0.029J	mg/kg	0.058	0.020	SW846 8270E	#
Chrysene	0.047J	mg/kg	0.058	0.020	SW846 8270E	#
Dibenzofuran	0.086J	mg/kg	0.12	0.020	SW846 8270E	#
Fluoranthene	0.038J	mg/kg	0.058	0.020	SW846 8270E	#
Indeno(1,2,3-cd)pyrene	0.022J	mg/kg	0.058	0.020	SW846 8270E	#
Naphthalene	0.22	mg/kg	0.058	0.020	SW846 8270E	#
Phenanthrene	0.17	mg/kg	0.058	0.020	SW846 8270E	#
Pyrene	0.040J	mg/kg	0.058	0.020	SW846 8270E	#
<b>VOLATILE ORGANICS</b>						
Methylene Chloride	0.0018J	mg/kg	0.0025	0.00098	SW846 8260D	#
<b>WET CHEMISTRY</b>						
Moisture	26.9	%	0.1	0.01	S25406-11	#
Total Solids	73.1	%	0.1	0.01	S25406-11	#

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### Detected Results Summary

Client Sample ID	SB-34 (2-4)	Collected	06/07/2024 13:55
Lab Sample ID	3363931016	Lab Receipt	06/11/2024 15:50

Compound	Result	Units	RDL	MDL	Method	Flag
<b>GASOLINE RANGE ORGANICS</b>						
Gasoline Range Organics	80.6	mg/kg	12.9	2.2	SW846 8015D	#
<b>PETROLEUM HC's</b>						
Diesel Range Organics C10-C28	194	mg/kg	13.1	3.6	SW846 8015D	#
<b>SEMIVOLATILE SIM</b>						
1-Methylnaphthalene	3.7	mg/kg	0.0058	0.0010	SW846 8270E SIM	#
2-Methylnaphthalene	5.6	mg/kg	0.0058	0.0015	SW846 8270E SIM	#
Acenaphthene	0.15	mg/kg	0.0058	0.0010	SW846 8270E SIM	#
Anthracene	0.034	mg/kg	0.0058	0.00093	SW846 8270E SIM	#
Benzo(a)anthracene	0.019	mg/kg	0.0058	0.00093	SW846 8270E SIM	#
Benzo(a)pyrene	0.020	mg/kg	0.0058	0.00093	SW846 8270E SIM	#
Benzo(b)fluoranthene	0.035	mg/kg	0.0058	0.00093	SW846 8270E SIM	#
Benzo(g,h,i)perylene	0.079	mg/kg	0.0058	0.0012	SW846 8270E SIM	#
Benzo(k)fluoranthene	0.017	mg/kg	0.0058	0.0010	SW846 8270E SIM	#
Chrysene	0.046	mg/kg	0.0058	0.0010	SW846 8270E SIM	#
Dibenzo(a,h)anthracene	0.010	mg/kg	0.0058	0.00081	SW846 8270E SIM	#
Fluoranthene	0.034	mg/kg	0.0058	0.0010	SW846 8270E SIM	#
Fluorene	0.27	mg/kg	0.0058	0.0012	SW846 8270E SIM	#
Indeno(1,2,3-cd)pyrene	0.018	mg/kg	0.0058	0.00093	SW846 8270E SIM	#
Naphthalene	1.1	mg/kg	0.0058	0.0013	SW846 8270E SIM	#
Phenanthrene	0.68	mg/kg	0.0058	0.0013	SW846 8270E SIM	#
Pyrene	0.049	mg/kg	0.0058	0.00093	SW846 8270E SIM	#
<b>SEMIVOLATILES</b>						
1-Methylnaphthalene	4.3	mg/kg	0.12	0.020	SW846 8270E	#
2-Methylnaphthalene	7.0	mg/kg	0.12	0.020	SW846 8270E	#
Acenaphthene	0.21	mg/kg	0.058	0.020	SW846 8270E	#
Anthracene	0.030J	mg/kg	0.058	0.020	SW846 8270E	#
Benzo(a)anthracene	0.025J	mg/kg	0.058	0.020	SW846 8270E	#
Benzo(a)pyrene	0.021J	mg/kg	0.058	0.020	SW846 8270E	#
Benzo(b)fluoranthene	0.035J	mg/kg	0.058	0.020	SW846 8270E	#
Benzo(g,h,i)perylene	0.085	mg/kg	0.058	0.020	SW846 8270E	#
Carbazole	0.021J	mg/kg	0.12	0.020	SW846 8270E	#
Chrysene	0.053J	mg/kg	0.058	0.020	SW846 8270E	#
Dibenzofuran	0.20	mg/kg	0.12	0.020	SW846 8270E	#
Fluoranthene	0.032J	mg/kg	0.058	0.020	SW846 8270E	#
Fluorene	0.33	mg/kg	0.058	0.020	SW846 8270E	#
Indeno(1,2,3-cd)pyrene	0.022J	mg/kg	0.058	0.020	SW846 8270E	#
Naphthalene	1.1	mg/kg	0.058	0.020	SW846 8270E	#
Phenanthrene	0.67	mg/kg	0.058	0.020	SW846 8270E	#
Pyrene	0.047J	mg/kg	0.058	0.020	SW846 8270E	#
<b>VOLATILE ORGANICS</b>						
1,2,4-Trimethylbenzene	0.76	mg/kg	0.32	0.080	SW846 8260D	#
1,3,5-Trimethylbenzene	0.10J	mg/kg	0.32	0.064	SW846 8260D	#
4-Methyl-2-Pentanone(MIBK)	1.3J	mg/kg	1.6	0.48	SW846 8260D	#
mp-Xylene	0.36J	mg/kg	0.64	0.17	SW846 8260D	#



### Detected Results Summary

Sample - SB-34 (2-4) (cont.)

<u>Compound</u>	<u>Result</u>	<u>Units</u>	<u>RDL</u>	<u>MDL</u>	<u>Method</u>	<u>Flag</u>
<b>VOLATILE ORGANICS (cont.)</b>						
Naphthalene	0.63J	mg/kg	0.64	0.11	SW846 8260D	#
n-Propylbenzene	0.14J	mg/kg	0.32	0.11	SW846 8260D	#
Total Xylenes	0.36J	mg/kg	0.97	0.21	SW846 8260D	#
<b>WET CHEMISTRY</b>						
Moisture	22.9	%	0.1	0.01	S2540G-11	#
Total Solids	77.1	%	0.1	0.01	S2540G-11	#

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**Detected Results Summary**

Client Sample ID SB-32 (0-2) Collected 06/07/2024 14:30  
 Lab Sample ID 3363931017 Lab Receipt 06/11/2024 15:50

Compound	Result	Units	RDL	MDL	Method	Flag
<b>GASOLINE RANGE ORGANICS</b>						
Gasoline Range Organics	5.9J	mg/kg	14.8	2.5	SW846 8015D	#
<b>PETROLEUM HC's</b>						
Diesel Range Organics C10-C28	267	mg/kg	78.8	21.6	SW846 8015D	#
<b>SEMIVOLATILE SIM</b>						
1-Methylnaphthalene	0.44	mg/kg	0.0066	0.0012	SW846 8270E SIM	#
2-Methylnaphthalene	0.64	mg/kg	0.0066	0.0017	SW846 8270E SIM	#
Acenaphthylene	0.030	mg/kg	0.0066	0.0012	SW846 8270E SIM	#
Anthracene	0.061	mg/kg	0.0066	0.0011	SW846 8270E SIM	#
Benzo(a)anthracene	0.12	mg/kg	0.0066	0.0011	SW846 8270E SIM	#
Benzo(a)pyrene	0.14	mg/kg	0.0066	0.0011	SW846 8270E SIM	#
Benzo(b)fluoranthene	0.18	mg/kg	0.0066	0.0011	SW846 8270E SIM	#
Benzo(g,h,i)perylene	0.13	mg/kg	0.0066	0.0013	SW846 8270E SIM	#
Benzo(k)fluoranthene	0.13	mg/kg	0.0066	0.0012	SW846 8270E SIM	#
Chrysene	0.17	mg/kg	0.0066	0.0012	SW846 8270E SIM	#
Dibenzo(a,h)anthracene	0.028	mg/kg	0.0066	0.00092	SW846 8270E SIM	#
Fluoranthene	0.22	mg/kg	0.0066	0.0012	SW846 8270E SIM	#
Fluorene	0.024	mg/kg	0.0066	0.0013	SW846 8270E SIM	#
Indeno(1,2,3-cd)pyrene	0.10	mg/kg	0.0066	0.0011	SW846 8270E SIM	#
Naphthalene	0.35	mg/kg	0.0066	0.0014	SW846 8270E SIM	#
Phenanthrene	0.40	mg/kg	0.0066	0.0014	SW846 8270E SIM	#
Pyrene	0.21	mg/kg	0.0066	0.0011	SW846 8270E SIM	#
<b>SEMIVOLATILES</b>						
1-Methylnaphthalene	0.47	mg/kg	0.13	0.022	SW846 8270E	#
2-Methylnaphthalene	0.67	mg/kg	0.13	0.022	SW846 8270E	#
Anthracene	0.053J	mg/kg	0.066	0.022	SW846 8270E	#
Benzo(a)anthracene	0.13	mg/kg	0.066	0.022	SW846 8270E	#
Benzo(a)pyrene	0.14	mg/kg	0.066	0.022	SW846 8270E	#
Benzo(b)fluoranthene	0.20	mg/kg	0.066	0.022	SW846 8270E	#
Benzo(g,h,i)perylene	0.17	mg/kg	0.066	0.022	SW846 8270E	#
Benzo(k)fluoranthene	0.13	mg/kg	0.066	0.022	SW846 8270E	#
Carbazole	0.037J	mg/kg	0.13	0.022	SW846 8270E	#
Chrysene	0.19	mg/kg	0.066	0.022	SW846 8270E	#
Dibenzo(a,h)anthracene	0.039J	mg/kg	0.066	0.022	SW846 8270E	#
Dibenzofuran	0.17	mg/kg	0.13	0.022	SW846 8270E	#
Fluoranthene	0.24	mg/kg	0.066	0.022	SW846 8270E	#
Indeno(1,2,3-cd)pyrene	0.14	mg/kg	0.066	0.022	SW846 8270E	#
Naphthalene	0.36	mg/kg	0.066	0.022	SW846 8270E	#
Phenanthrene	0.44	mg/kg	0.066	0.022	SW846 8270E	#
Pyrene	0.23	mg/kg	0.066	0.022	SW846 8270E	#
<b>VOLATILE ORGANICS</b>						
Acetone	0.023	mg/kg	0.015	0.0069	SW846 8260D	#
<b>WET CHEMISTRY</b>						
Moisture	34.5	%	0.1	0.01	S2540G-11	#

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### Detected Results Summary

Sample - SB-32 (0-2) (cont.)

<u>Compound</u>	<u>Result</u>	<u>Units</u>	<u>RDL</u>	<u>MDL</u>	<u>Method</u>	<u>Flag</u>
<b>WET CHEMISTRY (cont.)</b>						
Total Solids	65.5	%	0.1	0.01	S25406-11	#

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### Detected Results Summary

Client Sample ID	SB-32 (2-4)	Collected	06/07/2024 14:30
Lab Sample ID	3363931018	Lab Receipt	06/11/2024 15:50

Compound	Result	Units	RDL	MDL	Method	Flag
<b>GASOLINE RANGE ORGANICS</b>						
Gasoline Range Organics	306	mg/kg	13.2	2.2	SW846 8015D	#
<b>PETROLEUM HC's</b>						
Diesel Range Organics C10-C28	618	mg/kg	134	36.8	SW846 8015D	#
<b>SEMIVOLATILE SIM</b>						
1-Methylnaphthalene	3.2	mg/kg	0.0065	0.0012	SW846 8270E SIM	#
2-Methylnaphthalene	4.9	mg/kg	0.0065	0.0017	SW846 8270E SIM	#
Acenaphthene	0.37	mg/kg	0.0065	0.0012	SW846 8270E SIM	#
Anthracene	0.14	mg/kg	0.0065	0.0010	SW846 8270E SIM	#
Benzo(a)anthracene	0.024	mg/kg	0.0065	0.0010	SW846 8270E SIM	#
Benzo(a)pyrene	0.023	mg/kg	0.0065	0.0010	SW846 8270E SIM	#
Benzo(b)fluoranthene	0.031	mg/kg	0.0065	0.0010	SW846 8270E SIM	#
Benzo(g,h,i)perylene	0.049	mg/kg	0.0065	0.0013	SW846 8270E SIM	#
Benzo(k)fluoranthene	0.017	mg/kg	0.0065	0.0012	SW846 8270E SIM	#
Chrysene	0.045	mg/kg	0.0065	0.0012	SW846 8270E SIM	#
Dibenzo(a,h)anthracene	0.0077	mg/kg	0.0065	0.00091	SW846 8270E SIM	#
Fluoranthene	0.053	mg/kg	0.0065	0.0012	SW846 8270E SIM	#
Fluorene	0.59	mg/kg	0.0065	0.0013	SW846 8270E SIM	#
Indeno(1,2,3-cd)pyrene	0.017	mg/kg	0.0065	0.0010	SW846 8270E SIM	#
Naphthalene	0.95	mg/kg	0.0065	0.0014	SW846 8270E SIM	#
Phenanthrene	1.7	mg/kg	0.0065	0.0014	SW846 8270E SIM	#
Pyrene	0.092	mg/kg	0.0065	0.0010	SW846 8270E SIM	#
<b>SEMIVOLATILES</b>						
1-Methylnaphthalene	4.1	mg/kg	0.13	0.022	SW846 8270E	#
2-Methylnaphthalene	6.6	mg/kg	0.13	0.022	SW846 8270E	#
Anthracene	0.12	mg/kg	0.065	0.022	SW846 8270E	#
Benzo(a)anthracene	0.026J	mg/kg	0.065	0.022	SW846 8270E	#
Benzo(a)pyrene	0.028J	mg/kg	0.065	0.022	SW846 8270E	#
Benzo(b)fluoranthene	0.044J	mg/kg	0.065	0.022	SW846 8270E	#
Benzo(g,h,i)perylene	0.069	mg/kg	0.065	0.022	SW846 8270E	#
Carbazole	0.067J	mg/kg	0.13	0.022	SW846 8270E	#
Chrysene	0.050J	mg/kg	0.065	0.022	SW846 8270E	#
Dibenzofuran	0.36	mg/kg	0.13	0.022	SW846 8270E	#
Fluoranthene	0.054J	mg/kg	0.065	0.022	SW846 8270E	#
Fluorene	0.66	mg/kg	0.065	0.022	SW846 8270E	#
Indeno(1,2,3-cd)pyrene	0.023J	mg/kg	0.065	0.022	SW846 8270E	#
Naphthalene	1.0	mg/kg	0.065	0.022	SW846 8270E	#
Phenanthrene	2.0	mg/kg	0.065	0.022	SW846 8270E	#
Pyrene	0.11	mg/kg	0.065	0.022	SW846 8270E	#
<b>VOLATILE ORGANICS</b>						
1,2,4-Trimethylbenzene	0.67	mg/kg	0.33	0.083	SW846 8260D	#
1,3,5-Trimethylbenzene	0.11J	mg/kg	0.33	0.066	SW846 8260D	#
4-Methyl-2-Pentanone(MIBK)	4.2	mg/kg	1.7	0.50	SW846 8260D	#
Benzene	1.1	mg/kg	0.33	0.076	SW846 8260D	#
Ethylbenzene	0.30J	mg/kg	0.33	0.11	SW846 8260D	#



**Detected Results Summary**

Sample - SB-32 (2-4) (cont.)

<u>Compound</u>	<u>Result</u>	<u>Units</u>	<u>RDL</u>	<u>MDL</u>	<u>Method</u>	<u>Flag</u>
<b>VOLATILE ORGANICS (cont.)</b>						
Isopropylbenzene	0.63	mg/kg	0.33	0.073	SW846 8260D	#
mp-Xylene	0.86	mg/kg	0.66	0.17	SW846 8260D	#
Naphthalene	0.95	mg/kg	0.66	0.11	SW846 8260D	#
n-Butylbenzene	1.6	mg/kg	0.66	0.20	SW846 8260D	#
n-Propylbenzene	1.5	mg/kg	0.33	0.11	SW846 8260D	#
sec-Butylbenzene	0.68	mg/kg	0.33	0.10	SW846 8260D	#
Toluene	0.10J	mg/kg	0.33	0.076	SW846 8260D	#
Total Xylenes	0.86J	mg/kg	0.99	0.22	SW846 8260D	#
<b>WET CHEMISTRY</b>						
Moisture	24.6	%	0.1	0.01	S2540G-11	#
Total Solids	75.4	%	0.1	0.01	S2540G-11	#

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**Detected Results Summary**

Client Sample ID	SB-33 (0-2)	Collected	06/07/2024 14:35
Lab Sample ID	3363931019	Lab Receipt	06/11/2024 15:50

Compound	Result	Units	RDL	MDL	Method	Flag
<b>GASOLINE RANGE ORGANICS</b>						
Gasoline Range Organics	4.8J	mg/kg	11.0	1.9	SW846 8015D	#
<b>PETROLEUM HC's</b>						
Diesel Range Organics C10-C28	9.8J	mg/kg	12.1	3.3	SW846 8015D	#
<b>SEMIVOLATILE SIM</b>						
1-Methylnaphthalene	0.011	mg/kg	0.0057	0.0010	SW846 8270E SIM	#
2-Methylnaphthalene	0.015	mg/kg	0.0057	0.0015	SW846 8270E SIM	#
Benzo(g,h,i)perylene	0.0034J	mg/kg	0.0057	0.0011	SW846 8270E SIM	#
Naphthalene	0.0034J	mg/kg	0.0057	0.0013	SW846 8270E SIM	#
Phenanthrene	0.0084	mg/kg	0.0057	0.0013	SW846 8270E SIM	#
<b>WET CHEMISTRY</b>						
Moisture	13.8	%	0.1	0.01	S2540G-11	#
Total Solids	86.2	%	0.1	0.01	S2540G-11	#

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**Detected Results Summary**

Client Sample ID	SB-33 (2-4)	Collected	06/07/2024 14:35
Lab Sample ID	3363931020	Lab Receipt	06/11/2024 15:50

Compound	Result	Units	RDL	MDL	Method	Flag
<b>GASOLINE RANGE ORGANICS</b>						
Gasoline Range Organics	2.6J	mg/kg	12.3	2.1	SW846 8015D	#
<b>PETROLEUM HC's</b>						
Diesel Range Organics C10-C28	87.8	mg/kg	13.2	3.6	SW846 8015D	#
<b>SEMIVOLATILE SIM</b>						
1-Methylnaphthalene	0.0071	mg/kg	0.0064	0.0012	SW846 8270E SIM	#
2-Methylnaphthalene	0.0084	mg/kg	0.0064	0.0017	SW846 8270E SIM	#
Anthracene	0.0059J	mg/kg	0.0064	0.0010	SW846 8270E SIM	#
Benzo(g,h,i)perylene	0.012	mg/kg	0.0064	0.0013	SW846 8270E SIM	#
Naphthalene	0.0032J	mg/kg	0.0064	0.0014	SW846 8270E SIM	#
Phenanthrene	0.010	mg/kg	0.0064	0.0014	SW846 8270E SIM	#
<b>VOLATILE ORGANICS</b>						
Methylene Chloride	0.0026	mg/kg	0.0025	0.00096	SW846 8260D	#
<b>WET CHEMISTRY</b>						
Moisture	24.0	%	0.1	0.01	S2540G-11	#
Total Solids	76.0	%	0.1	0.01	S2540G-11	#

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### Detected Results Summary

Client Sample ID	HA-03 (0-2)	Collected	06/05/2024 13:15
Lab Sample ID	3363931021	Lab Receipt	06/11/2024 15:50

Compound	Result	Units	RDL	MDL	Method	Flag
<b>METALS</b>						
Lead, Total	1010	mg/kg	4.4	1.5	SW846 6010C	#
<b>WET CHEMISTRY</b>						
Moisture	15.5	%	0.1	0.01	S2540G-11	#
Total Solids	84.5	%	0.1	0.01	S2540G-11	#

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**Detected Results Summary**

Client Sample ID	SB-25 (4-6)	Collected	06/05/2024 13:40
Lab Sample ID	3363931022	Lab Receipt	06/11/2024 15:50

Compound	Result	Units	RDL	MDL	Method	Flag
<b>GASOLINE RANGE ORGANICS</b>						
Gasoline Range Organics	2.2J	mg/kg	12.7	2.2	SW846 8015D	#
<b>PETROLEUM HC's</b>						
Diesel Range Organics C10-C28	4.7J	mg/kg	12.5	3.4	SW846 8015D	#
<b>SEMIVOLATILE SIM</b>						
1-Methylnaphthalene	0.0024J	mg/kg	0.0055	0.00099	SW846 8270E SIM	#
2-Methylnaphthalene	0.0043J	mg/kg	0.0055	0.0014	SW846 8270E SIM	#
<b>VOLATILE ORGANICS</b>						
Acetone	0.036	mg/kg	0.012	0.0057	SW846 8260D	#
Methylene Chloride	0.0017J	mg/kg	0.0025	0.00097	SW846 8260D	#
<b>WET CHEMISTRY</b>						
Moisture	17.7	%	0.1	0.01	S2540G-11	#
Total Solids	82.3	%	0.1	0.01	S2540G-11	#

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### Detected Results Summary

Client Sample ID	SB-25 (6-8)	Collected	06/05/2024 13:40
Lab Sample ID	3363931023	Lab Receipt	06/11/2024 15:50

Compound	Result	Units	RDL	MDL	Method	Flag
<b>GASOLINE RANGE ORGANICS</b>						
Gasoline Range Organics	2.3J	mg/kg	11.9	2.0	SW846 8015D	#
<b>PETROLEUM HC's</b>						
Diesel Range Organics C10-C28	12.8J	mg/kg	13.1	3.6	SW846 8015D	#
<b>SEMIVOLATILE SIM</b>						
1-Methylnaphthalene	0.069	mg/kg	0.0062	0.0011	SW846 8270E SIM	#
2-Methylnaphthalene	0.083	mg/kg	0.0062	0.0016	SW846 8270E SIM	#
Benzo(a)anthracene	0.0053J	mg/kg	0.0062	0.0010	SW846 8270E SIM	#
Benzo(a)pyrene	0.0041J	mg/kg	0.0062	0.0010	SW846 8270E SIM	#
Benzo(b)fluoranthene	0.0050J	mg/kg	0.0062	0.0010	SW846 8270E SIM	#
Benzo(g,h,i)perylene	0.0064	mg/kg	0.0062	0.0012	SW846 8270E SIM	#
Benzo(k)fluoranthene	0.0038J	mg/kg	0.0062	0.0011	SW846 8270E SIM	#
Chrysene	0.0087	mg/kg	0.0062	0.0011	SW846 8270E SIM	#
Fluoranthene	0.012	mg/kg	0.0062	0.0011	SW846 8270E SIM	#
Fluorene	0.0033J	mg/kg	0.0062	0.0012	SW846 8270E SIM	#
Naphthalene	0.048	mg/kg	0.0062	0.0014	SW846 8270E SIM	#
Phenanthrene	0.054	mg/kg	0.0062	0.0014	SW846 8270E SIM	#
Pyrene	0.011	mg/kg	0.0062	0.0010	SW846 8270E SIM	#
<b>SEMIVOLATILES</b>						
1-Methylnaphthalene	0.065J	mg/kg	0.12	0.021	SW846 8270E	#
2-Methylnaphthalene	0.083J	mg/kg	0.12	0.021	SW846 8270E	#
Dibenzofuran	0.031J	mg/kg	0.12	0.021	SW846 8270E	#
Naphthalene	0.048J	mg/kg	0.062	0.021	SW846 8270E	#
Phenanthrene	0.057J	mg/kg	0.062	0.021	SW846 8270E	#
<b>VOLATILE ORGANICS</b>						
1,2,4-Trimethylbenzene	0.00070J	mg/kg	0.0028	0.00069	SW846 8260D	#
2-Butanone	0.0058J	mg/kg	0.014	0.0044	SW846 8260D	#
Acetone	0.053	mg/kg	0.014	0.0063	SW846 8260D	#
Carbon Disulfide	0.0014J	mg/kg	0.0028	0.00087	SW846 8260D	#
Methylene Chloride	0.0039	mg/kg	0.0028	0.0011	SW846 8260D	#
<b>WET CHEMISTRY</b>						
Moisture	23.0	%	0.1	0.01	S2540G-11	#
Total Solids	77.0	%	0.1	0.01	S2540G-11	#

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**Detected Results Summary**

Client Sample ID	SB-26 (4-6)	Collected	06/05/2024 14:00
Lab Sample ID	3363931024	Lab Receipt	06/11/2024 15:50

Compound	Result	Units	RDL	MDL	Method	Flag
<b>GASOLINE RANGE ORGANICS</b>						
Gasoline Range Organics	9.9J	mg/kg	12.2	2.1	SW846 8015D	#
<b>PETROLEUM HC's</b>						
Diesel Range Organics C10-C28	9.6J	mg/kg	12.4	3.4	SW846 8015D	#
<b>SEMIVOLATILE SIM</b>						
1-Methylnaphthalene	0.0069	mg/kg	0.0053	0.00096	SW846 8270E SIM	#
2-Methylnaphthalene	0.0059	mg/kg	0.0053	0.0014	SW846 8270E SIM	#
Fluorene	0.0022J	mg/kg	0.0053	0.0011	SW846 8270E SIM	#
Phenanthrene	0.0036J	mg/kg	0.0053	0.0012	SW846 8270E SIM	#
<b>VOLATILE ORGANICS</b>						
Acetone	0.063	mg/kg	0.011	0.0052	SW846 8260D	#
Methylene Chloride	0.0018J	mg/kg	0.0023	0.00089	SW846 8260D	#
sec-Butylbenzene	0.0066	mg/kg	0.0023	0.00057	SW846 8260D	#
tert-Butylbenzene	0.0011J	mg/kg	0.0023	0.00063	SW846 8260D	#
<b>WET CHEMISTRY</b>						
Moisture	16.1	%	0.1	0.01	S2540G-11	#
Total Solids	83.9	%	0.1	0.01	S2540G-11	#

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**Detected Results Summary**

Client Sample ID SB-26 (8-10) Collected 06/05/2024 14:00  
 Lab Sample ID 3363931025 Lab Receipt 06/11/2024 15:50

Compound	Result	Units	RDL	MDL	Method	Flag
<b>PETROLEUM HC's</b>						
Diesel Range Organics C10-C28	20.0	mg/kg	12.3	3.4	SW846 8015D	#
<b>SEMIVOLATILE SIM</b>						
1-Methylnaphthalene	0.11	mg/kg	0.0058	0.0010	SW846 8270E SIM	#
2-Methylnaphthalene	0.10	mg/kg	0.0058	0.0015	SW846 8270E SIM	#
Benzo(a)anthracene	0.014	mg/kg	0.0058	0.00093	SW846 8270E SIM	#
Benzo(a)pyrene	0.012	mg/kg	0.0058	0.00093	SW846 8270E SIM	#
Benzo(b)fluoranthene	0.025	mg/kg	0.0058	0.00093	SW846 8270E SIM	#
Benzo(g,h,i)perylene	0.042	mg/kg	0.0058	0.0012	SW846 8270E SIM	#
Benzo(k)fluoranthene	0.012	mg/kg	0.0058	0.0010	SW846 8270E SIM	#
Chrysene	0.036	mg/kg	0.0058	0.0010	SW846 8270E SIM	#
Dibenzo(a,h)anthracene	0.0069	mg/kg	0.0058	0.00082	SW846 8270E SIM	#
Fluoranthene	0.046	mg/kg	0.0058	0.0010	SW846 8270E SIM	#
Fluorene	0.0026J	mg/kg	0.0058	0.0012	SW846 8270E SIM	#
Indeno(1,2,3-cd)pyrene	0.011	mg/kg	0.0058	0.00093	SW846 8270E SIM	#
Naphthalene	0.040	mg/kg	0.0058	0.0013	SW846 8270E SIM	#
Phenanthrene	0.10	mg/kg	0.0058	0.0013	SW846 8270E SIM	#
Pyrene	0.062	mg/kg	0.0058	0.00093	SW846 8270E SIM	#
<b>SEMIVOLATILES</b>						
1-Methylnaphthalene	0.11J	mg/kg	0.12	0.020	SW846 8270E	#
2-Methylnaphthalene	0.096J	mg/kg	0.12	0.020	SW846 8270E	#
Benzo(b)fluoranthene	0.031J	mg/kg	0.058	0.020	SW846 8270E	#
Benzo(g,h,i)perylene	0.052J	mg/kg	0.058	0.020	SW846 8270E	#
Chrysene	0.041J	mg/kg	0.058	0.020	SW846 8270E	#
Dibenzofuran	0.023J	mg/kg	0.12	0.020	SW846 8270E	#
Fluoranthene	0.047J	mg/kg	0.058	0.020	SW846 8270E	#
Naphthalene	0.039J	mg/kg	0.058	0.020	SW846 8270E	#
Phenanthrene	0.11	mg/kg	0.058	0.020	SW846 8270E	#
Pyrene	0.063	mg/kg	0.058	0.020	SW846 8270E	#
<b>VOLATILE ORGANICS</b>						
Acetone	0.021	mg/kg	0.012	0.0057	SW846 8260D	#
Methylene Chloride	0.0010J	mg/kg	0.0025	0.00097	SW846 8260D	#
<b>WET CHEMISTRY</b>						
Moisture	15.9	%	0.1	0.01	S2540G-11	#
Total Solids	84.1	%	0.1	0.01	S2540G-11	#

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### Detected Results Summary

Client Sample ID	DUP 6524	Collected	06/05/2024 00:00
Lab Sample ID	3363931026	Lab Receipt	06/11/2024 15:50

Compound	Result	Units	RDL	MDL	Method	Flag
<b>PETROLEUM HC's</b>						
Diesel Range Organics C10-C28	39.4	mg/kg	12.5	3.4	SW846 8015D	#
<b>SEMIVOLATILE SIM</b>						
1-Methylnaphthalene	0.91	mg/kg	0.0060	0.0011	SW846 8270E SIM	#
2-Methylnaphthalene	1.3	mg/kg	0.0060	0.0016	SW846 8270E SIM	#
Benzo(a)anthracene	0.041	mg/kg	0.0060	0.00097	SW846 8270E SIM	#
Benzo(a)pyrene	0.030	mg/kg	0.0060	0.00097	SW846 8270E SIM	#
Benzo(b)fluoranthene	0.060	mg/kg	0.0060	0.00097	SW846 8270E SIM	#
Benzo(g,h,i)perylene	0.075	mg/kg	0.0060	0.0012	SW846 8270E SIM	#
Benzo(k)fluoranthene	0.028	mg/kg	0.0060	0.0011	SW846 8270E SIM	#
Chrysene	0.094	mg/kg	0.0060	0.0011	SW846 8270E SIM	#
Dibenzo(a,h)anthracene	0.022	mg/kg	0.0060	0.00084	SW846 8270E SIM	#
Fluoranthene	0.090	mg/kg	0.0060	0.0011	SW846 8270E SIM	#
Fluorene	0.030	mg/kg	0.0060	0.0012	SW846 8270E SIM	#
Indeno(1,2,3-cd)pyrene	0.026	mg/kg	0.0060	0.00097	SW846 8270E SIM	#
Naphthalene	0.61	mg/kg	0.0060	0.0013	SW846 8270E SIM	#
Phenanthrene	0.65	mg/kg	0.0060	0.0013	SW846 8270E SIM	#
Pyrene	0.11	mg/kg	0.0060	0.00097	SW846 8270E SIM	#
<b>SEMIVOLATILES</b>						
1-Methylnaphthalene	1.1	mg/kg	0.12	0.021	SW846 8270E	#
2-Methylnaphthalene	1.5	mg/kg	0.12	0.021	SW846 8270E	#
Benzo(a)anthracene	0.041J	mg/kg	0.060	0.021	SW846 8270E	#
Benzo(a)pyrene	0.035J	mg/kg	0.060	0.021	SW846 8270E	#
Benzo(b)fluoranthene	0.062	mg/kg	0.060	0.021	SW846 8270E	#
Benzo(g,h,i)perylene	0.071	mg/kg	0.060	0.021	SW846 8270E	#
Benzo(k)fluoranthene	0.029J	mg/kg	0.060	0.021	SW846 8270E	#
Carbazole	0.023J	mg/kg	0.12	0.021	SW846 8270E	#
Chrysene	0.094	mg/kg	0.060	0.021	SW846 8270E	#
Dibenzofuran	0.26	mg/kg	0.12	0.021	SW846 8270E	#
Fluoranthene	0.10	mg/kg	0.060	0.021	SW846 8270E	#
Indeno(1,2,3-cd)pyrene	0.026J	mg/kg	0.060	0.021	SW846 8270E	#
Naphthalene	0.64	mg/kg	0.060	0.021	SW846 8270E	#
Phenanthrene	0.69	mg/kg	0.060	0.021	SW846 8270E	#
Pyrene	0.12	mg/kg	0.060	0.021	SW846 8270E	#
<b>VOLATILE ORGANICS</b>						
Acetone	0.019	mg/kg	0.011	0.0051	SW846 8260D	#
Carbon Disulfide	0.0012J	mg/kg	0.0022	0.00071	SW846 8260D	#
Methylene Chloride	0.0034	mg/kg	0.0022	0.00087	SW846 8260D	#
<b>WET CHEMISTRY</b>						
Moisture	17.1	%	0.1	0.01	S2540G-11	#
Total Solids	82.9	%	0.1	0.01	S2540G-11	#

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**Detected Results Summary**

Client Sample ID SB-31 (2-4) Collected 06/07/2024 09:15  
 Lab Sample ID 3363931027 Lab Receipt 06/11/2024 15:50

Compound	Result	Units	RDL	MDL	Method	Flag
<b>GASOLINE RANGE ORGANICS</b>						
Gasoline Range Organics	37.1	mg/kg	11.8	2.0	SW846 8015D	#
<b>PETROLEUM HC's</b>						
Diesel Range Organics C10-C28	48.8	mg/kg	13.5	3.7	SW846 8015D	#
<b>SEMIVOLATILE SIM</b>						
1-Methylnaphthalene	0.20	mg/kg	0.0064	0.0011	SW846 8270E SIM	#
2-Methylnaphthalene	0.35	mg/kg	0.0064	0.0017	SW846 8270E SIM	#
Anthracene	0.0046J	mg/kg	0.0064	0.0010	SW846 8270E SIM	#
Benzo(a)anthracene	0.0047J	mg/kg	0.0064	0.0010	SW846 8270E SIM	#
Benzo(b)fluoranthene	0.0067	mg/kg	0.0064	0.0010	SW846 8270E SIM	#
Benzo(g,h,i)perylene	0.0055J	mg/kg	0.0064	0.0013	SW846 8270E SIM	#
Benzo(k)fluoranthene	0.0053J	mg/kg	0.0064	0.0011	SW846 8270E SIM	#
Chrysene	0.010	mg/kg	0.0064	0.0011	SW846 8270E SIM	#
Fluoranthene	0.019	mg/kg	0.0064	0.0011	SW846 8270E SIM	#
Fluorene	0.016	mg/kg	0.0064	0.0013	SW846 8270E SIM	#
Indeno(1,2,3-cd)pyrene	0.0042J	mg/kg	0.0064	0.0010	SW846 8270E SIM	#
Naphthalene	0.11	mg/kg	0.0064	0.0014	SW846 8270E SIM	#
Phenanthrene	0.091	mg/kg	0.0064	0.0014	SW846 8270E SIM	#
Pyrene	0.014	mg/kg	0.0064	0.0010	SW846 8270E SIM	#
<b>SEMIVOLATILES</b>						
1-Methylnaphthalene	0.22	mg/kg	0.13	0.022	SW846 8270E	#
2-Methylnaphthalene	0.37	mg/kg	0.13	0.022	SW846 8270E	#
Naphthalene	0.11	mg/kg	0.064	0.022	SW846 8270E	#
Phenanthrene	0.097	mg/kg	0.064	0.022	SW846 8270E	#
<b>VOLATILE ORGANICS</b>						
1,2,4-Trimethylbenzene	0.13	mg/kg	0.0025	0.00061	SW846 8260D	#
1,3,5-Trimethylbenzene	0.038	mg/kg	0.0025	0.00061	SW846 8260D	#
2-Butanone	0.015	mg/kg	0.012	0.0039	SW846 8260D	#
Acetone	0.080	mg/kg	0.012	0.0056	SW846 8260D	#
Benzene	0.0010J	mg/kg	0.0025	0.00061	SW846 8260D	#
Carbon Disulfide	0.0030	mg/kg	0.0025	0.00077	SW846 8260D	#
Ethylbenzene	0.029	mg/kg	0.0025	0.00083	SW846 8260D	#
Isopropylbenzene	0.0081	mg/kg	0.0025	0.00075	SW846 8260D	#
Methylene Chloride	0.0021J	mg/kg	0.0025	0.00096	SW846 8260D	#
mp-Xylene	0.097	mg/kg	0.0049	0.0010	SW846 8260D	#
Naphthalene	0.036	mg/kg	0.0025	0.00061	SW846 8260D	#
n-Butylbenzene	0.0089	mg/kg	0.0025	0.00061	SW846 8260D	#
n-Propylbenzene	0.022	mg/kg	0.0025	0.00061	SW846 8260D	#
o-Xylene	0.019	mg/kg	0.0025	0.00071	SW846 8260D	#
p-Isopropyltoluene	0.0089	mg/kg	0.0025	0.00061	SW846 8260D	#
sec-Butylbenzene	0.0064	mg/kg	0.0025	0.00061	SW846 8260D	#
Toluene	0.0053	mg/kg	0.0025	0.00082	SW846 8260D	#
Total Xylenes	0.12	mg/kg	0.0074	0.0017	SW846 8260D	#
<b>WET CHEMISTRY</b>						

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### Detected Results Summary

Sample - SB-31 (2-4) (cont.)

<u>Compound</u>	<u>Result</u>	<u>Units</u>	<u>RDL</u>	<u>MDL</u>	<u>Method</u>	<u>Flag</u>
<b>WET CHEMISTRY (cont.)</b>						
Moisture	23.0	%	0.1	0.01	S2540G-11	#
Total Solids	77.0	%	0.1	0.01	S2540G-11	#

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**Detected Results Summary**

Client Sample ID SB-31 (6-8) Collected 06/07/2024 09:15  
 Lab Sample ID 3363931028 Lab Receipt 06/11/2024 15:50

Compound	Result	Units	RDL	MDL	Method	Flag
<b>GASOLINE RANGE ORGANICS</b>						
Gasoline Range Organics	4.1J	mg/kg	13.3	2.3	SW846 8015D	#
<b>PETROLEUM HC's</b>						
Diesel Range Organics C10-C28	22.5	mg/kg	12.7	3.5	SW846 8015D	#
<b>SEMIVOLATILE SIM</b>						
1-Methylnaphthalene	0.046	mg/kg	0.0061	0.0011	SW846 8270E SIM	#
2-Methylnaphthalene	0.015	mg/kg	0.0061	0.0016	SW846 8270E SIM	#
Acenaphthene	0.0061J	mg/kg	0.0061	0.0011	SW846 8270E SIM	#
Naphthalene	0.035	mg/kg	0.0061	0.0013	SW846 8270E SIM	#
Phenanthrene	0.0096	mg/kg	0.0061	0.0013	SW846 8270E SIM	#
<b>SEMIVOLATILES</b>						
1-Methylnaphthalene	0.045J	mg/kg	0.12	0.021	SW846 8270E	#
Naphthalene	0.035J	mg/kg	0.061	0.021	SW846 8270E	#
<b>VOLATILE ORGANICS</b>						
Chloroform	0.022J	mg/kg	0.066	0.014	SW846 8260D	#
Isopropylbenzene	0.022J	mg/kg	0.066	0.015	SW846 8260D	#
n-Propylbenzene	0.061J	mg/kg	0.066	0.022	SW846 8260D	#
Toluene	0.016J	mg/kg	0.066	0.015	SW846 8260D	#
<b>WET CHEMISTRY</b>						
Moisture	20.1	%	0.1	0.01	S2540G-11	#
Total Solids	79.9	%	0.1	0.01	S2540G-11	#

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**Detected Results Summary**

Client Sample ID	DUP 6724	Collected	06/07/2024 00:00
Lab Sample ID	3363931029	Lab Receipt	06/11/2024 15:50

Compound	Result	Units	RDL	MDL	Method	Flag
<b>GASOLINE RANGE ORGANICS</b>						
Gasoline Range Organics	2.4J	mg/kg	12.0	2.0	SW846 8015D	#
<b>PETROLEUM HC's</b>						
Diesel Range Organics C10-C28	21.2	mg/kg	12.2	3.3	SW846 8015D	#
<b>SEMIVOLATILE SIM</b>						
1-Methylnaphthalene	0.018	mg/kg	0.0057	0.0010	SW846 8270E SIM	#
2-Methylnaphthalene	0.0080	mg/kg	0.0057	0.0015	SW846 8270E SIM	#
Acenaphthene	0.0040J	mg/kg	0.0057	0.0010	SW846 8270E SIM	#
Naphthalene	0.012	mg/kg	0.0057	0.0013	SW846 8270E SIM	#
Phenanthrene	0.0061	mg/kg	0.0057	0.0013	SW846 8270E SIM	#
<b>VOLATILE ORGANICS</b>						
1,2,4-Trimethylbenzene	0.00058J	mg/kg	0.0021	0.00054	SW846 8260D	#
2-Butanone	0.014	mg/kg	0.011	0.0034	SW846 8260D	#
Acetone	0.094	mg/kg	0.011	0.0049	SW846 8260D	#
Isopropylbenzene	0.0018J	mg/kg	0.0021	0.00065	SW846 8260D	#
Methylene Chloride	0.0026	mg/kg	0.0021	0.00084	SW846 8260D	#
Naphthalene	0.0069	mg/kg	0.0021	0.00054	SW846 8260D	#
n-Butylbenzene	0.0020J	mg/kg	0.0021	0.00054	SW846 8260D	#
n-Propylbenzene	0.0069	mg/kg	0.0021	0.00054	SW846 8260D	#
sec-Butylbenzene	0.0026	mg/kg	0.0021	0.00054	SW846 8260D	#
<b>WET CHEMISTRY</b>						
Moisture	14.5	%	0.1	0.01	S2540G-11	#
Total Solids	85.5	%	0.1	0.01	S2540G-11	#

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**Detected Results Summary**

Client Sample ID	TRIP BLANK	Collected	06/07/2024 00:00
Lab Sample ID	3363931030	Lab Receipt	06/11/2024 15:50

<u>Compound</u>	<u>Result</u>	<u>Units</u>	<u>RDL</u>	<u>MDL</u>	<u>Method</u>	<u>Flag</u>
<b>VOLATILE ORGANICS</b>						
2-Butanone	0.039	mg/L	0.010	0.0018	SW846 8260D	#
Acetone	0.028	mg/L	0.010	0.0031	SW846 8260D	#
Bromomethane	0.00040J	mg/L	0.0010	0.00039	SW846 8260D	#
Methylene Chloride	0.0030	mg/L	0.0010	0.00045	SW846 8260D	#
Toluene	0.00064J	mg/L	0.0010	0.00023	SW846 8260D	#

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## Results

Client Sample ID	SB-30 (4-6)	Collected	06/07/2024 09:50
Lab Sample ID	3363931001	Lab Receipt	06/11/2024 15:50

### GASOLINE RANGE ORGANICS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Gasoline Range Organics	2.3J	J,P1,P2,P3	mg/kg	12.5	2.1	SW846 8015D	100	06/15/2024 08:18	JTH	A1

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
a,a,a-Trifluorotoluene	98-08-8	109%	72 - 134	06/15/2024 08:18	

### PETROLEUM HC's

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Diesel Range Organics C10-C28	41.1	P1,P2,P3	mg/kg	13.7	3.7	SW846 8015D	1	06/18/2024 16:38	KJH	A

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
o-Terphenyl	84-15-1	71.1%	36 - 122	06/18/2024 16:38	

### SEMIVOLATILE SIM

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,4-Dioxane	0.0032U	U,P1,P2,P3	mg/kg	0.0064	0.0032	SW846 8270E SIM	1	06/20/2024 12:10	S7M	A
1-Methylnaphthalene	0.063	P1,P2,P3	mg/kg	0.0064	0.0011	SW846 8270E SIM	1	06/20/2024 12:10	S7M	A
2-Methylnaphthalene	0.047	P1,P2,P3	mg/kg	0.0064	0.0017	SW846 8270E SIM	1	06/20/2024 12:10	S7M	A
Acenaphthene	0.0011U	U,P1,P2,P3	mg/kg	0.0064	0.0011	SW846 8270E SIM	1	06/20/2024 12:10	S7M	A
Acenaphthylene	0.0030J	J,P1,P2,P3	mg/kg	0.0064	0.0011	SW846 8270E SIM	1	06/20/2024 12:10	S7M	A
Anthracene	0.0036J	J,P1,P2,P3	mg/kg	0.0064	0.0010	SW846 8270E SIM	1	06/20/2024 12:10	S7M	A
Benzo(a)anthracene	0.0063J	J,P1,P2,P3	mg/kg	0.0064	0.0010	SW846 8270E SIM	1	06/20/2024 12:10	S7M	A
Benzo(a)pyrene	0.0010U	U,P1,P2,P3	mg/kg	0.0064	0.0010	SW846 8270E SIM	1	06/20/2024 12:10	S7M	A
Benzo(b)fluoranthene	0.0087	P1,P2,P3	mg/kg	0.0064	0.0010	SW846 8270E SIM	1	06/20/2024 12:10	S7M	A
Benzo(g,h,i)perylene	0.013	11,P1,P2,P3	mg/kg	0.0064	0.0013	SW846 8270E SIM	1	06/20/2024 12:10	S7M	A
Benzo(k)fluoranthene	0.0055J	J,P1,P2,P3	mg/kg	0.0064	0.0011	SW846 8270E SIM	1	06/20/2024 12:10	S7M	A
Chrysene	0.014	P1,P2,P3	mg/kg	0.0064	0.0011	SW846 8270E SIM	1	06/20/2024 12:10	S7M	A
Dibenzo(a,h)anthracene	0.00089U	U,P1,P2,P3	mg/kg	0.0064	0.00089	SW846 8270E SIM	1	06/20/2024 12:10	S7M	A
Fluoranthene	0.011	P1,P2,P3	mg/kg	0.0064	0.0011	SW846 8270E SIM	1	06/20/2024 12:10	S7M	A
Fluorene	0.0077	P1,P2,P3	mg/kg	0.0064	0.0013	SW846 8270E SIM	1	06/20/2024 12:10	S7M	A
Indeno(1,2,3-cd)pyrene	0.0010U	U,P1,P2,P3	mg/kg	0.0064	0.0010	SW846 8270E SIM	1	06/20/2024 12:10	S7M	A
Naphthalene	0.032	P1,P2,P3	mg/kg	0.0064	0.0014	SW846 8270E SIM	1	06/20/2024 12:10	S7M	A
Phenanthrene	0.061	P1,P2,P3	mg/kg	0.0064	0.0014	SW846 8270E SIM	1	06/20/2024 12:10	S7M	A





## Results

Client Sample ID	SB-30 (4-6)	Collected	06/07/2024 09:50
Lab Sample ID	3363931001	Lab Receipt	06/11/2024 15:50

### SEMIVOLATILE SIM (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Pyrene	0.012	P1,P2,P3	mg/kg	0.0064	0.0010	SW846 8270E SIM	1	06/20/2024 12:10	S7M	A

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
2-Methylnaphthalene-d10	7297-45-2	84%	50 - 150	06/20/2024 12:10	
Fluoranthene-d10	93951-69-0	93.2%	50 - 150	06/20/2024 12:10	

### SEMIVOLATILES

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1-Methylnaphthalene	0.054J	J,P1,P2,P3	mg/kg	0.13	0.022	SW846 8270E	1	06/18/2024 11:55	S7M	A
2-Methylnaphthalene	0.039J	J,P1,P2,P3	mg/kg	0.13	0.022	SW846 8270E	1	06/18/2024 11:55	S7M	A
Acenaphthene	0.022U	U,P1,P2,P3	mg/kg	0.064	0.022	SW846 8270E	1	06/18/2024 11:55	S7M	A
Acenaphthylene	0.022U	U,P1,P2,P3	mg/kg	0.064	0.022	SW846 8270E	1	06/18/2024 11:55	S7M	A
Anthracene	0.022U	U,P1,P2,P3	mg/kg	0.064	0.022	SW846 8270E	1	06/18/2024 11:55	S7M	A
Benzo(a)anthracene	0.022U	U,P1,P2,P3	mg/kg	0.064	0.022	SW846 8270E	1	06/18/2024 11:55	S7M	A
Benzo(a)pyrene	0.022U	U,P1,P2,P3	mg/kg	0.064	0.022	SW846 8270E	1	06/18/2024 11:55	S7M	A
Benzo(b)fluoranthene	0.022U	U,P1,P2,P3	mg/kg	0.064	0.022	SW846 8270E	1	06/18/2024 11:55	S7M	A
Benzo(g,h,i)perylene	0.022U	U,P1,P2,P3	mg/kg	0.064	0.022	SW846 8270E	1	06/18/2024 11:55	S7M	A
Benzo(k)fluoranthene	0.022U	U,P1,P2,P3	mg/kg	0.064	0.022	SW846 8270E	1	06/18/2024 11:55	S7M	A
Carbazole	0.022U	U,P1,P2,P3	mg/kg	0.13	0.022	SW846 8270E	1	06/18/2024 11:55	S7M	A
Chrysene	0.022U	U,P1,P2,P3	mg/kg	0.064	0.022	SW846 8270E	1	06/18/2024 11:55	S7M	A
Dibenzo(a,h)anthracene	0.022U	U,P1,P2,P3	mg/kg	0.064	0.022	SW846 8270E	1	06/18/2024 11:55	S7M	A
Dibenzofuran	0.022U	U,P1,P2,P3	mg/kg	0.13	0.022	SW846 8270E	1	06/18/2024 11:55	S7M	A
Fluoranthene	0.022U	U,P1,P2,P3	mg/kg	0.064	0.022	SW846 8270E	1	06/18/2024 11:55	S7M	A
Fluorene	0.022U	U,P1,P2,P3	mg/kg	0.064	0.022	SW846 8270E	1	06/18/2024 11:55	S7M	A
Indeno(1,2,3-cd)pyrene	0.022U	U,P1,P2,P3	mg/kg	0.064	0.022	SW846 8270E	1	06/18/2024 11:55	S7M	A
Naphthalene	0.031J	J,P1,P2,P3	mg/kg	0.064	0.022	SW846 8270E	1	06/18/2024 11:55	S7M	A
Phenanthrene	0.058J	J,P1,P2,P3	mg/kg	0.064	0.022	SW846 8270E	1	06/18/2024 11:55	S7M	A
Pyrene	0.022U	U,P1,P2,P3	mg/kg	0.064	0.022	SW846 8270E	1	06/18/2024 11:55	S7M	A

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## Results

Client Sample ID	SB-30 (4-6)	Collected	06/07/2024 09:50
Lab Sample ID	3363931001	Lab Receipt	06/11/2024 15:50

### SEMIVOLATILES (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
<i>SURROGATES</i>										
Compound	CAS No			Recovery		Limits(%)		Analysis Date/Time		Qualifiers
2,4,6-Tribromophenol	118-79-6			63.2%		19 - 132		06/18/2024 11:55		
2-Fluorobiphenyl	321-60-8			71.2%		40 - 110		06/18/2024 11:55		
2-Fluorophenol	367-12-4			64.9%		26 - 116		06/18/2024 11:55		
Nitrobenzene-d5	4165-60-0			70.5%		38 - 112		06/18/2024 11:55		
Phenol-d5	4165-62-2			63.3%		35 - 111		06/18/2024 11:55		
Terphenyl-d14	98904-43-9			74.9%		45 - 126		06/18/2024 11:55		

### VOLATILE ORGANICS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1-Trichloroethane	0.00090U	U,P1,P2,P3	mg/kg	0.0029	0.00090	SW846 8260D	1	06/19/2024 12:28	TMP	A2
1,1,2,2-Tetrachloroethane	0.00081U	U,P1,P2,P3	mg/kg	0.0029	0.00081	SW846 8260D	1	06/19/2024 12:28	TMP	A2
1,1,2-Trichloroethane	0.00081U	U,9,P1,P2,P3	mg/kg	0.0029	0.00081	SW846 8260D	1	06/19/2024 12:28	TMP	A2
1,1-Dichloroethane	0.00072U	U,P1,P2,P3	mg/kg	0.0029	0.00072	SW846 8260D	1	06/19/2024 12:28	TMP	A2
1,1-Dichloroethene	0.00075U	U,P1,P2,P3	mg/kg	0.0029	0.00075	SW846 8260D	1	06/19/2024 12:28	TMP	A2
1,1-Dichloropropene	0.00072U	U,P1,P2,P3	mg/kg	0.0029	0.00072	SW846 8260D	1	06/19/2024 12:28	TMP	A2
1,2,3-Trichlorobenzene	0.00072U	U,P1,P2,P3	mg/kg	0.0072	0.00072	SW846 8260D	1	06/19/2024 12:28	TMP	A2
1,2,3-Trichloropropane	0.00072U	U,P1,P2,P3	mg/kg	0.0029	0.00072	SW846 8260D	1	06/19/2024 12:28	TMP	A2
1,2,4-Trichlorobenzene	0.00072U	U,P1,P2,P3	mg/kg	0.0072	0.00072	SW846 8260D	1	06/19/2024 12:28	TMP	A2
1,2,4-Trimethylbenzene	0.00072U	U,P1,P2,P3	mg/kg	0.0029	0.00072	SW846 8260D	1	06/19/2024 12:28	TMP	A2
1,2-Dibromo-3-chloropropane	0.00036U	U,P1,P2,P3	mg/kg	0.0029	0.00036	SW846 8260D	1	06/19/2024 12:28	TMP	A2
1,2-Dibromoethane	0.00078U	U,P1,P2,P3	mg/kg	0.0029	0.00078	SW846 8260D	1	06/19/2024 12:28	TMP	A2
1,2-Dichlorobenzene	0.00072U	U,P1,P2,P3	mg/kg	0.0029	0.00072	SW846 8260D	1	06/19/2024 12:28	TMP	A2
1,2-Dichloroethane	0.00072U	U,P1,P2,P3	mg/kg	0.0029	0.00072	SW846 8260D	1	06/19/2024 12:28	TMP	A2
1,2-Dichloropropane	0.00087U	U,P1,P2,P3	mg/kg	0.0029	0.00087	SW846 8260D	1	06/19/2024 12:28	TMP	A2
1,3,5-Trimethylbenzene	0.00072U	U,P1,P2,P3	mg/kg	0.0029	0.00072	SW846 8260D	1	06/19/2024 12:28	TMP	A2
1,3-Dichlorobenzene	0.00072U	U,P1,P2,P3	mg/kg	0.0029	0.00072	SW846 8260D	1	06/19/2024 12:28	TMP	A2
1,3-Dichloropropane	0.0012U	U,P1,P2,P3	mg/kg	0.0029	0.0012	SW846 8260D	1	06/19/2024 12:28	TMP	A2
1,4-Dichlorobenzene	0.00072U	U,P1,P2,P3	mg/kg	0.0029	0.00072	SW846 8260D	1	06/19/2024 12:28	TMP	A2
2,2-Dichloropropane	0.00072U	U,P1,P2,P3	mg/kg	0.0029	0.00072	SW846 8260D	1	06/19/2024 12:28	TMP	A2
2-Butanone	0.0070J	J,P1,P2,P3	mg/kg	0.014	0.0046	SW846 8260D	1	06/19/2024 12:28	TMP	A2
2-Hexanone	0.0041U	U,P1,P2,P3	mg/kg	0.014	0.0041	SW846 8260D	1	06/19/2024 12:28	TMP	A2
4-Methyl-2-Pentanone(MIBK)	0.0055U	U,P1,P2,P3	mg/kg	0.014	0.0055	SW846 8260D	1	06/19/2024 12:28	TMP	A2
Acetone	0.048	1,P1,P2,P3	mg/kg	0.014	0.0067	SW846 8260D	1	06/19/2024 12:28	TMP	A2
Benzene	0.00072U	U,P1,P2,P3	mg/kg	0.0029	0.00072	SW846 8260D	1	06/19/2024 12:28	TMP	A2



**Results**

Client Sample ID	SB-30 (4-6)	Collected	06/07/2024 09:50
Lab Sample ID	3363931001	Lab Receipt	06/11/2024 15:50

**VOLATILE ORGANICS (cont.)**

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Bromobenzene	0.00072U	U,P1,P2,P3	mg/kg	0.0029	0.00072	SW846 8260D	1	06/19/2024 12:28	TMP	A2
Bromochloromethane	0.00072U	U,P1,P2,P3	mg/kg	0.0029	0.00072	SW846 8260D	1	06/19/2024 12:28	TMP	A2
Bromodichloromethane	0.0010U	U,P1,P2,P3	mg/kg	0.0029	0.0010	SW846 8260D	1	06/19/2024 12:28	TMP	A2
Bromoform	0.00075U	U,P1,P2,P3	mg/kg	0.0029	0.00075	SW846 8260D	1	06/19/2024 12:28	TMP	A2
Bromomethane	0.00075U	U,2,3,4,P1,P2,P3	mg/kg	0.0029	0.00075	SW846 8260D	1	06/19/2024 12:28	TMP	A2
Carbon Disulfide	0.00091U	U,P1,P2,P3	mg/kg	0.0029	0.00091	SW846 8260D	1	06/19/2024 12:28	TMP	A2
Carbon Tetrachloride	0.00074U	U,P1,P2,P3	mg/kg	0.0029	0.00074	SW846 8260D	1	06/19/2024 12:28	TMP	A2
Chlorobenzene	0.00074U	U,P1,P2,P3	mg/kg	0.0029	0.00074	SW846 8260D	1	06/19/2024 12:28	TMP	A2
Chlorodibromomethane	0.00098U	U,P1,P2,P3	mg/kg	0.0029	0.00098	SW846 8260D	1	06/19/2024 12:28	TMP	A2
Chloroethane	0.0012U	U,P1,P2,P3	mg/kg	0.0072	0.0012	SW846 8260D	1	06/19/2024 12:28	TMP	A2
Chloroform	0.00077U	U,P1,P2,P3	mg/kg	0.0029	0.00077	SW846 8260D	1	06/19/2024 12:28	TMP	A2
Chloromethane	0.00080U	U,P1,P2,P3	mg/kg	0.0029	0.00080	SW846 8260D	1	06/19/2024 12:28	TMP	A2
cis-1,2-Dichloroethene	0.00072U	U,P1,P2,P3	mg/kg	0.0029	0.00072	SW846 8260D	1	06/19/2024 12:28	TMP	A2
cis-1,3-Dichloropropene	0.00080U	U,P1,P2,P3	mg/kg	0.0029	0.00080	SW846 8260D	1	06/19/2024 12:28	TMP	A2
Dibromomethane	0.0010U	U,P1,P2,P3	mg/kg	0.0029	0.0010	SW846 8260D	1	06/19/2024 12:28	TMP	A2
Dichlorodifluoromethane	0.00097U	U,P1,P2,P3	mg/kg	0.0029	0.00097	SW846 8260D	1	06/19/2024 12:28	TMP	A2
Ethylbenzene	0.00098U	U,P1,P2,P3	mg/kg	0.0029	0.00098	SW846 8260D	1	06/19/2024 12:28	TMP	A2
Freon 113	0.00072U	U,5,6,7,P1,P2,P3	mg/kg	0.0029	0.00072	SW846 8260D	1	06/19/2024 12:28	TMP	A2
Hexachlorobutadiene	0.00072U	U,P1,P2,P3	mg/kg	0.0072	0.00072	SW846 8260D	1	06/19/2024 12:28	TMP	A2
Isopropylbenzene	0.00088U	U,P1,P2,P3	mg/kg	0.0029	0.00088	SW846 8260D	1	06/19/2024 12:28	TMP	A2
Methyl t-Butyl Ether	0.00072U	U,P1,P2,P3	mg/kg	0.0029	0.00072	SW846 8260D	1	06/19/2024 12:28	TMP	A2
Methylene Chloride	0.0011U	U,P1,P2,P3	mg/kg	0.0029	0.0011	SW846 8260D	1	06/19/2024 12:28	TMP	A2
mp-Xylene	0.0012U	U,P1,P2,P3	mg/kg	0.0058	0.0012	SW846 8260D	1	06/19/2024 12:28	TMP	A2
Naphthalene	0.00072U	U,P1,P2,P3	mg/kg	0.0029	0.00072	SW846 8260D	1	06/19/2024 12:28	TMP	A2
n-Butylbenzene	0.00072U	U,P1,P2,P3	mg/kg	0.0029	0.00072	SW846 8260D	1	06/19/2024 12:28	TMP	A2
n-Propylbenzene	0.00072U	U,P1,P2,P3	mg/kg	0.0029	0.00072	SW846 8260D	1	06/19/2024 12:28	TMP	A2
o-Chlorotoluene	0.00072U	U,P1,P2,P3	mg/kg	0.0029	0.00072	SW846 8260D	1	06/19/2024 12:28	TMP	A2
o-Xylene	0.00084U	U,P1,P2,P3	mg/kg	0.0029	0.00084	SW846 8260D	1	06/19/2024 12:28	TMP	A2
p-Chlorotoluene	0.00072U	U,P1,P2,P3	mg/kg	0.0029	0.00072	SW846 8260D	1	06/19/2024 12:28	TMP	A2
p-Isopropyltoluene	0.00072U	U,P1,P2,P3	mg/kg	0.0029	0.00072	SW846 8260D	1	06/19/2024 12:28	TMP	A2
sec-Butylbenzene	0.00072U	U,P1,P2,P3	mg/kg	0.0029	0.00072	SW846 8260D	1	06/19/2024 12:28	TMP	A2
Styrene	0.00072U	U,P1,P2,P3	mg/kg	0.0029	0.00072	SW846 8260D	1	06/19/2024 12:28	TMP	A2
tert-Butylbenzene	0.00080U	U,P1,P2,P3	mg/kg	0.0029	0.00080	SW846 8260D	1	06/19/2024 12:28	TMP	A2
Tetrachloroethene	0.00087U	U,8,P1,P2,P3	mg/kg	0.0029	0.00087	SW846 8260D	1	06/19/2024 12:28	TMP	A2
Toluene	0.00097U	U,P1,P2,P3	mg/kg	0.0029	0.00097	SW846 8260D	1	06/19/2024 12:28	TMP	A2

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## Results

Client Sample ID	SB-30 (4-6)	Collected	06/07/2024 09:50
Lab Sample ID	3363931001	Lab Receipt	06/11/2024 15:50

### VOLATILE ORGANICS (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Total Xylenes	0.0020U	U,P1,P2,P3	mg/kg	0.0087	0.0020	SW846 8260D	1	06/19/2024 12:28	TMP	A2
trans-1,2-Dichloroethene	0.00075U	U,P1,P2,P3	mg/kg	0.0029	0.00075	SW846 8260D	1	06/19/2024 12:28	TMP	A2
trans-1,3-Dichloropropene	0.00084U	U,P1,P2,P3	mg/kg	0.0029	0.00084	SW846 8260D	1	06/19/2024 12:28	TMP	A2
Trichloroethene	0.00072U	U,P1,P2,P3	mg/kg	0.0029	0.00072	SW846 8260D	1	06/19/2024 12:28	TMP	A2
Trichlorofluoromethane	0.00072U	U,10,P1,P2,P3	mg/kg	0.0029	0.00072	SW846 8260D	1	06/19/2024 12:28	TMP	A2
Vinyl Chloride	0.00072U	U,P1,P2,P3	mg/kg	0.0029	0.00072	SW846 8260D	1	06/19/2024 12:28	TMP	A2

### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	114%	56 – 124	06/19/2024 12:28	
4-Bromofluorobenzene	460-00-4	99.2%	51 – 128	06/19/2024 12:28	
Dibromofluoromethane	1868-53-7	97%	62 – 123	06/19/2024 12:28	
Toluene-d8	2037-26-5	94.7%	59 – 131	06/19/2024 12:28	

### WET CHEMISTRY

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Moisture	24.4	P1,P2,P3	%	0.1	0.01	S2540G-11	1	06/13/2024 14:19	J1K	A
Total Solids	75.6	P1,P2,P3	%	0.1	0.01	S2540G-11	1	06/13/2024 14:19	J1K	A

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## Results

Client Sample ID	SB-30 (6-8)	Collected	06/07/2024 09:50
Lab Sample ID	3363931002	Lab Receipt	06/11/2024 15:50

### GASOLINE RANGE ORGANICS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Gasoline Range Organics	36.2	P1,P2,P3	mg/kg	11.7	2.0	SW846 8015D	100	06/18/2024 19:33	JTH	A1

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
a,a,a-Trifluorotoluene	98-08-8	93.5%	72 - 134	06/18/2024 19:33	

### PETROLEUM HC's

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Diesel Range Organics C10-C28	45.3	P1,P2,P3	mg/kg	12.6	3.5	SW846 8015D	1	06/19/2024 00:41	KJH	A

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
o-Terphenyl	84-15-1	75.4%	36 - 122	06/19/2024 00:41	

### SEMIVOLATILE SIM

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,4-Dioxane	0.0028U	U,P1,P2,P3	mg/kg	0.0057	0.0028	SW846 8270E SIM	1	06/20/2024 12:37	S7M	A
1-Methylnaphthalene	0.16	P1,P2,P3	mg/kg	0.0057	0.0010	SW846 8270E SIM	1	06/20/2024 12:37	S7M	A
2-Methylnaphthalene	0.073	P1,P2,P3	mg/kg	0.0057	0.0015	SW846 8270E SIM	1	06/20/2024 12:37	S7M	A
Acenaphthene	0.016	P1,P2,P3	mg/kg	0.0057	0.0010	SW846 8270E SIM	1	06/20/2024 12:37	S7M	A
Acenaphthylene	0.0094	P1,P2,P3	mg/kg	0.0057	0.0010	SW846 8270E SIM	1	06/20/2024 12:37	S7M	A
Anthracene	0.0090	P1,P2,P3	mg/kg	0.0057	0.00091	SW846 8270E SIM	1	06/20/2024 12:37	S7M	A
Benzo(a)anthracene	0.0054J	J,P1,P2,P3	mg/kg	0.0057	0.00091	SW846 8270E SIM	1	06/20/2024 12:37	S7M	A
Benzo(a)pyrene	0.00091U	U,P1,P2,P3	mg/kg	0.0057	0.00091	SW846 8270E SIM	1	06/20/2024 12:37	S7M	A
Benzo(b)fluoranthene	0.0065	P1,P2,P3	mg/kg	0.0057	0.00091	SW846 8270E SIM	1	06/20/2024 12:37	S7M	A
Benzo(g,h,i)perylene	0.0090	11,P1,P2,P3	mg/kg	0.0057	0.0011	SW846 8270E SIM	1	06/20/2024 12:37	S7M	A
Benzo(k)fluoranthene	0.0010U	U,P1,P2,P3	mg/kg	0.0057	0.0010	SW846 8270E SIM	1	06/20/2024 12:37	S7M	A
Chrysene	0.012	P1,P2,P3	mg/kg	0.0057	0.0010	SW846 8270E SIM	1	06/20/2024 12:37	S7M	A
Dibenzo(a,h)anthracene	0.00079U	U,P1,P2,P3	mg/kg	0.0057	0.00079	SW846 8270E SIM	1	06/20/2024 12:37	S7M	A
Fluoranthene	0.010	P1,P2,P3	mg/kg	0.0057	0.0010	SW846 8270E SIM	1	06/20/2024 12:37	S7M	A
Fluorene	0.023	P1,P2,P3	mg/kg	0.0057	0.0011	SW846 8270E SIM	1	06/20/2024 12:37	S7M	A
Indeno(1,2,3-cd)pyrene	0.00091U	U,P1,P2,P3	mg/kg	0.0057	0.00091	SW846 8270E SIM	1	06/20/2024 12:37	S7M	A
Naphthalene	0.090	P1,P2,P3	mg/kg	0.0057	0.0012	SW846 8270E SIM	1	06/20/2024 12:37	S7M	A
Phenanthrene	0.15	P1,P2,P3	mg/kg	0.0057	0.0012	SW846 8270E SIM	1	06/20/2024 12:37	S7M	A



## Results

Client Sample ID	SB-30 (6-8)	Collected	06/07/2024 09:50
Lab Sample ID	3363931002	Lab Receipt	06/11/2024 15:50

### SEMIVOLATILE SIM (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Pyrene	0.013	P1,P2,P3	mg/kg	0.0057	0.00091	SW846 8270E SIM	1	06/20/2024 12:37	S7M	A

### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
2-Methylnaphthalene-d10	7297-45-2	80.6%	50 - 150	06/20/2024 12:37	
Fluoranthene-d10	93951-69-0	90.3%	50 - 150	06/20/2024 12:37	

### SEMIVOLATILES

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1-Methylnaphthalene	0.14	P1,P2,P3	mg/kg	0.11	0.019	SW846 8270E	1	06/18/2024 12:21	S7M	A
2-Methylnaphthalene	0.068J	J,P1,P2,P3	mg/kg	0.11	0.019	SW846 8270E	1	06/18/2024 12:21	S7M	A
Acenaphthene	0.019U	U,P1,P2,P3	mg/kg	0.057	0.019	SW846 8270E	1	06/18/2024 12:21	S7M	A
Acenaphthylene	0.019U	U,12,P1,P2,P3	mg/kg	0.057	0.019	SW846 8270E	1	06/18/2024 12:21	S7M	A
Anthracene	0.019U	U,P1,P2,P3	mg/kg	0.057	0.019	SW846 8270E	1	06/18/2024 12:21	S7M	A
Benzo(a)anthracene	0.019U	U,P1,P2,P3	mg/kg	0.057	0.019	SW846 8270E	1	06/18/2024 12:21	S7M	A
Benzo(a)pyrene	0.019U	U,P1,P2,P3	mg/kg	0.057	0.019	SW846 8270E	1	06/18/2024 12:21	S7M	A
Benzo(b)fluoranthene	0.019U	U,P1,P2,P3	mg/kg	0.057	0.019	SW846 8270E	1	06/18/2024 12:21	S7M	A
Benzo(g,h,i)perylene	0.019U	U,P1,P2,P3	mg/kg	0.057	0.019	SW846 8270E	1	06/18/2024 12:21	S7M	A
Benzo(k)fluoranthene	0.019U	U,P1,P2,P3	mg/kg	0.057	0.019	SW846 8270E	1	06/18/2024 12:21	S7M	A
Carbazole	0.019U	U,P1,P2,P3	mg/kg	0.11	0.019	SW846 8270E	1	06/18/2024 12:21	S7M	A
Chrysene	0.019U	U,P1,P2,P3	mg/kg	0.057	0.019	SW846 8270E	1	06/18/2024 12:21	S7M	A
Dibenzo(a,h)anthracene	0.019U	U,P1,P2,P3	mg/kg	0.057	0.019	SW846 8270E	1	06/18/2024 12:21	S7M	A
Dibenzofuran	0.029J	J,P1,P2,P3	mg/kg	0.11	0.019	SW846 8270E	1	06/18/2024 12:21	S7M	A
Fluoranthene	0.019U	U,P1,P2,P3	mg/kg	0.057	0.019	SW846 8270E	1	06/18/2024 12:21	S7M	A
Fluorene	0.019U	U,P1,P2,P3	mg/kg	0.057	0.019	SW846 8270E	1	06/18/2024 12:21	S7M	A
Indeno(1,2,3-cd)pyrene	0.019U	U,P1,P2,P3	mg/kg	0.057	0.019	SW846 8270E	1	06/18/2024 12:21	S7M	A
Naphthalene	0.086	P1,P2,P3	mg/kg	0.057	0.019	SW846 8270E	1	06/18/2024 12:21	S7M	A
Phenanthrene	0.14	P1,P2,P3	mg/kg	0.057	0.019	SW846 8270E	1	06/18/2024 12:21	S7M	A
Pyrene	0.019U	U,13,14,P1,P2,P3	mg/kg	0.057	0.019	SW846 8270E	1	06/18/2024 12:21	S7M	A

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## Results

Client Sample ID	SB-30 (6-8)	Collected	06/07/2024 09:50
Lab Sample ID	3363931002	Lab Receipt	06/11/2024 15:50

### SEMIVOLATILES (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
<i>SURROGATES</i>										
Compound	CAS No			Recovery		Limits(%)		Analysis Date/Time		Qualifiers
2,4,6-Tribromophenol	118-79-6			66.8%		19 - 132		06/18/2024 12:21		
2-Fluorobiphenyl	321-60-8			69.5%		40 - 110		06/18/2024 12:21		
2-Fluorophenol	367-12-4			62.3%		26 - 116		06/18/2024 12:21		
Nitrobenzene-d5	4165-60-0			67.7%		38 - 112		06/18/2024 12:21		
Phenol-d5	4165-62-2			59.9%		35 - 111		06/18/2024 12:21		
Terphenyl-d14	98904-43-9			72.5%		45 - 126		06/18/2024 12:21		

### VOLATILE ORGANICS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1-Trichloroethane	0.00071U	U,P1,P2 ,P3	mg/kg	0.0023	0.00071	SW846 8260D	1	06/19/2024 12:54	TMP	A2
1,1,2,2-Tetrachloroethane	0.00064U	U,P1,P2 ,P3	mg/kg	0.0023	0.00064	SW846 8260D	1	06/19/2024 12:54	TMP	A2
1,1,2-Trichloroethane	0.00064U	U,P1,P2 ,P3	mg/kg	0.0023	0.00064	SW846 8260D	1	06/19/2024 12:54	TMP	A2
1,1-Dichloroethane	0.00057U	U,P1,P2 ,P3	mg/kg	0.0023	0.00057	SW846 8260D	1	06/19/2024 12:54	TMP	A2
1,1-Dichloroethene	0.00060U	U,P1,P2 ,P3	mg/kg	0.0023	0.00060	SW846 8260D	1	06/19/2024 12:54	TMP	A2
1,1-Dichloropropene	0.00057U	U,P1,P2 ,P3	mg/kg	0.0023	0.00057	SW846 8260D	1	06/19/2024 12:54	TMP	A2
1,2,3-Trichlorobenzene	0.00057U	U,P1,P2 ,P3	mg/kg	0.0057	0.00057	SW846 8260D	1	06/19/2024 12:54	TMP	A2
1,2,3-Trichloropropane	0.00057U	U,P1,P2 ,P3	mg/kg	0.0023	0.00057	SW846 8260D	1	06/19/2024 12:54	TMP	A2
1,2,4-Trichlorobenzene	0.00057U	U,P1,P2 ,P3	mg/kg	0.0057	0.00057	SW846 8260D	1	06/19/2024 12:54	TMP	A2
1,2,4-Trimethylbenzene	0.00057U	U,P1,P2 ,P3	mg/kg	0.0023	0.00057	SW846 8260D	1	06/19/2024 12:54	TMP	A2
1,2-Dibromo-3-chloropropane	0.00029U	U,P1,P2 ,P3	mg/kg	0.0023	0.00029	SW846 8260D	1	06/19/2024 12:54	TMP	A2
1,2-Dibromoethane	0.00062U	U,P1,P2 ,P3	mg/kg	0.0023	0.00062	SW846 8260D	1	06/19/2024 12:54	TMP	A2
1,2-Dichlorobenzene	0.00057U	U,P1,P2 ,P3	mg/kg	0.0023	0.00057	SW846 8260D	1	06/19/2024 12:54	TMP	A2
1,2-Dichloroethane	0.00057U	U,P1,P2 ,P3	mg/kg	0.0023	0.00057	SW846 8260D	1	06/19/2024 12:54	TMP	A2
1,2-Dichloropropane	0.00069U	U,P1,P2 ,P3	mg/kg	0.0023	0.00069	SW846 8260D	1	06/19/2024 12:54	TMP	A2
1,3,5-Trimethylbenzene	0.00057U	U,P1,P2 ,P3	mg/kg	0.0023	0.00057	SW846 8260D	1	06/19/2024 12:54	TMP	A2
1,3-Dichlorobenzene	0.00057U	U,P1,P2 ,P3	mg/kg	0.0023	0.00057	SW846 8260D	1	06/19/2024 12:54	TMP	A2
1,3-Dichloropropane	0.00095U	U,P1,P2 ,P3	mg/kg	0.0023	0.00095	SW846 8260D	1	06/19/2024 12:54	TMP	A2
1,4-Dichlorobenzene	0.00057U	U,P1,P2 ,P3	mg/kg	0.0023	0.00057	SW846 8260D	1	06/19/2024 12:54	TMP	A2
2,2-Dichloropropane	0.00057U	U,P1,P2 ,P3	mg/kg	0.0023	0.00057	SW846 8260D	1	06/19/2024 12:54	TMP	A2
2-Butanone	0.0067J	J,P1,P2 ,P3	mg/kg	0.011	0.0037	SW846 8260D	1	06/19/2024 12:54	TMP	A2
2-Hexanone	0.0032U	U,P1,P2 ,P3	mg/kg	0.011	0.0032	SW846 8260D	1	06/19/2024 12:54	TMP	A2
4-Methyl-2-Pentanone(MIBK)	0.0044U	U,P1,P2 ,P3	mg/kg	0.011	0.0044	SW846 8260D	1	06/19/2024 12:54	TMP	A2
Acetone	0.047	P1,P2,P 3	mg/kg	0.011	0.0053	SW846 8260D	1	06/19/2024 12:54	TMP	A2
Benzene	0.00057U	U,P1,P2 ,P3	mg/kg	0.0023	0.00057	SW846 8260D	1	06/19/2024 12:54	TMP	A2



**Results**

Client Sample ID	SB-30 (6-8)	Collected	06/07/2024 09:50
Lab Sample ID	3363931002	Lab Receipt	06/11/2024 15:50

**VOLATILE ORGANICS (cont.)**

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Bromobenzene	0.00057U	U,P1,P2,P3	mg/kg	0.0023	0.00057	SW846 8260D	1	06/19/2024 12:54	TMP	A2
Bromochloromethane	0.00057U	U,P1,P2,P3	mg/kg	0.0023	0.00057	SW846 8260D	1	06/19/2024 12:54	TMP	A2
Bromodichloromethane	0.00082U	U,P1,P2,P3	mg/kg	0.0023	0.00082	SW846 8260D	1	06/19/2024 12:54	TMP	A2
Bromoform	0.00060U	U,P1,P2,P3	mg/kg	0.0023	0.00060	SW846 8260D	1	06/19/2024 12:54	TMP	A2
Bromomethane	0.00060U	U,2,3,4,P1,P2,P3	mg/kg	0.0023	0.00060	SW846 8260D	1	06/19/2024 12:54	TMP	A2
Carbon Disulfide	0.00072U	U,P1,P2,P3	mg/kg	0.0023	0.00072	SW846 8260D	1	06/19/2024 12:54	TMP	A2
Carbon Tetrachloride	0.00059U	U,P1,P2,P3	mg/kg	0.0023	0.00059	SW846 8260D	1	06/19/2024 12:54	TMP	A2
Chlorobenzene	0.00059U	U,P1,P2,P3	mg/kg	0.0023	0.00059	SW846 8260D	1	06/19/2024 12:54	TMP	A2
Chlorodibromomethane	0.00078U	U,P1,P2,P3	mg/kg	0.0023	0.00078	SW846 8260D	1	06/19/2024 12:54	TMP	A2
Chloroethane	0.00098U	U,P1,P2,P3	mg/kg	0.0057	0.00098	SW846 8260D	1	06/19/2024 12:54	TMP	A2
Chloroform	0.00061U	U,P1,P2,P3	mg/kg	0.0023	0.00061	SW846 8260D	1	06/19/2024 12:54	TMP	A2
Chloromethane	0.00063U	U,P1,P2,P3	mg/kg	0.0023	0.00063	SW846 8260D	1	06/19/2024 12:54	TMP	A2
cis-1,2-Dichloroethene	0.00057U	U,P1,P2,P3	mg/kg	0.0023	0.00057	SW846 8260D	1	06/19/2024 12:54	TMP	A2
cis-1,3-Dichloropropene	0.00063U	U,P1,P2,P3	mg/kg	0.0023	0.00063	SW846 8260D	1	06/19/2024 12:54	TMP	A2
Dibromomethane	0.00083U	U,P1,P2,P3	mg/kg	0.0023	0.00083	SW846 8260D	1	06/19/2024 12:54	TMP	A2
Dichlorodifluoromethane	0.00077U	U,P1,P2,P3	mg/kg	0.0023	0.00077	SW846 8260D	1	06/19/2024 12:54	TMP	A2
Ethylbenzene	0.00078U	U,P1,P2,P3	mg/kg	0.0023	0.00078	SW846 8260D	1	06/19/2024 12:54	TMP	A2
Freon 113	0.00057U	U,5,7,P1,P2,P3	mg/kg	0.0023	0.00057	SW846 8260D	1	06/19/2024 12:54	TMP	A2
Hexachlorobutadiene	0.00057U	U,P1,P2,P3	mg/kg	0.0057	0.00057	SW846 8260D	1	06/19/2024 12:54	TMP	A2
Isopropylbenzene	0.0013J	J,P1,P2,P3	mg/kg	0.0023	0.00070	SW846 8260D	1	06/19/2024 12:54	TMP	A2
Methyl t-Butyl Ether	0.00057U	U,P1,P2,P3	mg/kg	0.0023	0.00057	SW846 8260D	1	06/19/2024 12:54	TMP	A2
Methylene Chloride	0.00090U	U,P1,P2,P3	mg/kg	0.0023	0.00090	SW846 8260D	1	06/19/2024 12:54	TMP	A2
mp-Xylene	0.00095U	U,P1,P2,P3	mg/kg	0.0046	0.00095	SW846 8260D	1	06/19/2024 12:54	TMP	A2
Naphthalene	0.00057U	U,P1,P2,P3	mg/kg	0.0023	0.00057	SW846 8260D	1	06/19/2024 12:54	TMP	A2
n-Butylbenzene	0.00057U	U,P1,P2,P3	mg/kg	0.0023	0.00057	SW846 8260D	1	06/19/2024 12:54	TMP	A2
n-Propylbenzene	0.00094J	J,P1,P2,P3	mg/kg	0.0023	0.00057	SW846 8260D	1	06/19/2024 12:54	TMP	A2
o-Chlorotoluene	0.00057U	U,P1,P2,P3	mg/kg	0.0023	0.00057	SW846 8260D	1	06/19/2024 12:54	TMP	A2
o-Xylene	0.00067U	U,P1,P2,P3	mg/kg	0.0023	0.00067	SW846 8260D	1	06/19/2024 12:54	TMP	A2
p-Chlorotoluene	0.00057U	U,P1,P2,P3	mg/kg	0.0023	0.00057	SW846 8260D	1	06/19/2024 12:54	TMP	A2
p-Isopropyltoluene	0.00057U	U,P1,P2,P3	mg/kg	0.0023	0.00057	SW846 8260D	1	06/19/2024 12:54	TMP	A2
sec-Butylbenzene	0.0022J	J,P1,P2,P3	mg/kg	0.0023	0.00057	SW846 8260D	1	06/19/2024 12:54	TMP	A2
Styrene	0.00057U	U,P1,P2,P3	mg/kg	0.0023	0.00057	SW846 8260D	1	06/19/2024 12:54	TMP	A2
tert-Butylbenzene	0.00063U	U,P1,P2,P3	mg/kg	0.0023	0.00063	SW846 8260D	1	06/19/2024 12:54	TMP	A2
Tetrachloroethene	0.00069U	U,8,P1,P2,P3	mg/kg	0.0023	0.00069	SW846 8260D	1	06/19/2024 12:54	TMP	A2
Toluene	0.00077U	U,P1,P2,P3	mg/kg	0.0023	0.00077	SW846 8260D	1	06/19/2024 12:54	TMP	A2

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**Results**

Client Sample ID	SB-30 (6-8)	Collected	06/07/2024 09:50
Lab Sample ID	3363931002	Lab Receipt	06/11/2024 15:50

**VOLATILE ORGANICS (cont.)**

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Total Xylenes	0.0016U	U,P1,P2,P3	mg/kg	0.0069	0.0016	SW846 8260D	1	06/19/2024 12:54	TMP	A2
trans-1,2-Dichloroethene	0.00060U	U,P1,P2,P3	mg/kg	0.0023	0.00060	SW846 8260D	1	06/19/2024 12:54	TMP	A2
trans-1,3-Dichloropropene	0.00067U	U,P1,P2,P3	mg/kg	0.0023	0.00067	SW846 8260D	1	06/19/2024 12:54	TMP	A2
Trichloroethene	0.00057U	U,P1,P2,P3	mg/kg	0.0023	0.00057	SW846 8260D	1	06/19/2024 12:54	TMP	A2
Trichlorofluoromethane	0.00057U	U,P1,P2,P3	mg/kg	0.0023	0.00057	SW846 8260D	1	06/19/2024 12:54	TMP	A2
Vinyl Chloride	0.00057U	U,P1,P2,P3	mg/kg	0.0023	0.00057	SW846 8260D	1	06/19/2024 12:54	TMP	A2

**SURROGATES**

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	120%	56 – 124	06/19/2024 12:54	
4-Bromofluorobenzene	460-00-4	98.1%	51 – 128	06/19/2024 12:54	
Dibromofluoromethane	1868-53-7	103%	62 – 123	06/19/2024 12:54	
Toluene-d8	2037-26-5	95.9%	59 – 131	06/19/2024 12:54	

**WET CHEMISTRY**

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Moisture	18.3	P1,P2,P3	%	0.1	0.01	S2540G-11	1	06/13/2024 17:05	E1R	A
Total Solids	81.7	P1,P2,P3	%	0.1	0.01	S2540G-11	1	06/13/2024 17:05	E1R	A

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## Results

Client Sample ID	SB-29 (2-4)	Collected	06/07/2024 10:15
Lab Sample ID	3363931003	Lab Receipt	06/11/2024 15:50

### GASOLINE RANGE ORGANICS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Gasoline Range Organics	2.1U	U,P1,P2,P3	mg/kg	12.1	2.1	SW846 8015D	100	06/18/2024 19:59	JTH	A1

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
a,a,a-Trifluorotoluene	98-08-8	85.9%	72 - 134	06/18/2024 19:59	

### PETROLEUM HC's

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Diesel Range Organics C10-C28	61.3	P1,P2,P3	mg/kg	12.6	3.5	SW846 8015D	1	06/18/2024 17:10	KJH	A

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
o-Terphenyl	84-15-1	82%	36 - 122	06/18/2024 17:10	

### SEMIVOLATILE SIM

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,4-Dioxane	0.0028U	U,P1,P2,P3	mg/kg	0.0055	0.0028	SW846 8270E SIM	1	06/20/2024 13:04	S7M	A
1-Methylnaphthalene	0.012	P1,P2,P3	mg/kg	0.0055	0.0010	SW846 8270E SIM	1	06/20/2024 13:04	S7M	A
2-Methylnaphthalene	0.014	P1,P2,P3	mg/kg	0.0055	0.0014	SW846 8270E SIM	1	06/20/2024 13:04	S7M	A
Acenaphthene	0.0010U	U,P1,P2,P3	mg/kg	0.0055	0.0010	SW846 8270E SIM	1	06/20/2024 13:04	S7M	A
Acenaphthylene	0.0043J	J,P1,P2,P3	mg/kg	0.0055	0.0010	SW846 8270E SIM	1	06/20/2024 13:04	S7M	A
Anthracene	0.0032J	J,P1,P2,P3	mg/kg	0.0055	0.00089	SW846 8270E SIM	1	06/20/2024 13:04	S7M	A
Benzo(a)anthracene	0.011	P1,P2,P3	mg/kg	0.0055	0.00089	SW846 8270E SIM	1	06/20/2024 13:04	S7M	A
Benzo(a)pyrene	0.015	P1,P2,P3	mg/kg	0.0055	0.00089	SW846 8270E SIM	1	06/20/2024 13:04	S7M	A
Benzo(b)fluoranthene	0.014	P1,P2,P3	mg/kg	0.0055	0.00089	SW846 8270E SIM	1	06/20/2024 13:04	S7M	A
Benzo(g,h,i)perylene	0.014	11,P1,P2,P3	mg/kg	0.0055	0.0011	SW846 8270E SIM	1	06/20/2024 13:04	S7M	A
Benzo(k)fluoranthene	0.013	P1,P2,P3	mg/kg	0.0055	0.0010	SW846 8270E SIM	1	06/20/2024 13:04	S7M	A
Chrysene	0.013	P1,P2,P3	mg/kg	0.0055	0.0010	SW846 8270E SIM	1	06/20/2024 13:04	S7M	A
Dibenzo(a,h)anthracene	0.0028J	J,P1,P2,P3	mg/kg	0.0055	0.00078	SW846 8270E SIM	1	06/20/2024 13:04	S7M	A
Fluoranthene	0.026	P1,P2,P3	mg/kg	0.0055	0.0010	SW846 8270E SIM	1	06/20/2024 13:04	S7M	A
Fluorene	0.0025J	J,P1,P2,P3	mg/kg	0.0055	0.0011	SW846 8270E SIM	1	06/20/2024 13:04	S7M	A
Indeno(1,2,3-cd)pyrene	0.013	P1,P2,P3	mg/kg	0.0055	0.00089	SW846 8270E SIM	1	06/20/2024 13:04	S7M	A
Naphthalene	0.011	P1,P2,P3	mg/kg	0.0055	0.0012	SW846 8270E SIM	1	06/20/2024 13:04	S7M	A
Phenanthrene	0.031	P1,P2,P3	mg/kg	0.0055	0.0012	SW846 8270E SIM	1	06/20/2024 13:04	S7M	A



## Results

Client Sample ID	SB-29 (2-4)	Collected	06/07/2024 10:15
Lab Sample ID	3363931003	Lab Receipt	06/11/2024 15:50

### SEMIVOLATILE SIM (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Pyrene	0.023	P1,P2,P3	mg/kg	0.0055	0.00089	SW846 8270E SIM	1	06/20/2024 13:04	S7M	A

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
2-Methylnaphthalene-d10	7297-45-2	85%	50 - 150	06/20/2024 13:04	
Fluoranthene-d10	93951-69-0	96.3%	50 - 150	06/20/2024 13:04	

### SEMIVOLATILES

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1-Methylnaphthalene	0.019U	U,P1,P2,P3	mg/kg	0.11	0.019	SW846 8270E	1	06/18/2024 13:38	S7M	A
2-Methylnaphthalene	0.019U	U,P1,P2,P3	mg/kg	0.11	0.019	SW846 8270E	1	06/18/2024 13:38	S7M	A
Acenaphthene	0.019U	U,P1,P2,P3	mg/kg	0.055	0.019	SW846 8270E	1	06/18/2024 13:38	S7M	A
Acenaphthylene	0.019U	U,P1,P2,P3	mg/kg	0.055	0.019	SW846 8270E	1	06/18/2024 13:38	S7M	A
Anthracene	0.019U	U,P1,P2,P3	mg/kg	0.055	0.019	SW846 8270E	1	06/18/2024 13:38	S7M	A
Benzo(a)anthracene	0.019U	U,P1,P2,P3	mg/kg	0.055	0.019	SW846 8270E	1	06/18/2024 13:38	S7M	A
Benzo(a)pyrene	0.019U	U,P1,P2,P3	mg/kg	0.055	0.019	SW846 8270E	1	06/18/2024 13:38	S7M	A
Benzo(b)fluoranthene	0.019U	U,P1,P2,P3	mg/kg	0.055	0.019	SW846 8270E	1	06/18/2024 13:38	S7M	A
Benzo(g,h,i)perylene	0.019U	U,P1,P2,P3	mg/kg	0.055	0.019	SW846 8270E	1	06/18/2024 13:38	S7M	A
Benzo(k)fluoranthene	0.019U	U,P1,P2,P3	mg/kg	0.055	0.019	SW846 8270E	1	06/18/2024 13:38	S7M	A
Carbazole	0.019U	U,P1,P2,P3	mg/kg	0.11	0.019	SW846 8270E	1	06/18/2024 13:38	S7M	A
Chrysene	0.019U	U,P1,P2,P3	mg/kg	0.055	0.019	SW846 8270E	1	06/18/2024 13:38	S7M	A
Dibenzo(a,h)anthracene	0.019U	U,P1,P2,P3	mg/kg	0.055	0.019	SW846 8270E	1	06/18/2024 13:38	S7M	A
Dibenzofuran	0.019U	U,P1,P2,P3	mg/kg	0.11	0.019	SW846 8270E	1	06/18/2024 13:38	S7M	A
Fluoranthene	0.030J	J,P1,P2,P3	mg/kg	0.055	0.019	SW846 8270E	1	06/18/2024 13:38	S7M	A
Fluorene	0.019U	U,P1,P2,P3	mg/kg	0.055	0.019	SW846 8270E	1	06/18/2024 13:38	S7M	A
Indeno(1,2,3-cd)pyrene	0.019U	U,P1,P2,P3	mg/kg	0.055	0.019	SW846 8270E	1	06/18/2024 13:38	S7M	A
Naphthalene	0.019U	U,P1,P2,P3	mg/kg	0.055	0.019	SW846 8270E	1	06/18/2024 13:38	S7M	A
Phenanthrene	0.028J	J,P1,P2,P3	mg/kg	0.055	0.019	SW846 8270E	1	06/18/2024 13:38	S7M	A
Pyrene	0.019U	U,P1,P2,P3	mg/kg	0.055	0.019	SW846 8270E	1	06/18/2024 13:38	S7M	A

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## Results

Client Sample ID	SB-29 (2-4)	Collected	06/07/2024 10:15
Lab Sample ID	3363931003	Lab Receipt	06/11/2024 15:50

### SEMIVOLATILES (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
<i>SURROGATES</i>										
Compound	CAS No			Recovery		Limits(%)		Analysis Date/Time		Qualifiers
2,4,6-Tribromophenol	118-79-6			66.2%		19 - 132		06/18/2024 13:38		
2-Fluorobiphenyl	321-60-8			74.4%		40 - 110		06/18/2024 13:38		
2-Fluorophenol	367-12-4			65.2%		26 - 116		06/18/2024 13:38		
Nitrobenzene-d5	4165-60-0			72.4%		38 - 112		06/18/2024 13:38		
Phenol-d5	4165-62-2			62.5%		35 - 111		06/18/2024 13:38		
Terphenyl-d14	98904-43-9			74.1%		45 - 126		06/18/2024 13:38		

### VOLATILE ORGANICS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1-Trichloroethane	0.00081U	U,P1,P2,P3	mg/kg	0.0026	0.00081	SW846 8260D	1	06/19/2024 13:19	TMP	A2
1,1,2,2-Tetrachloroethane	0.00073U	U,P1,P2,P3	mg/kg	0.0026	0.00073	SW846 8260D	1	06/19/2024 13:19	TMP	A2
1,1,2-Trichloroethane	0.00073U	U,P1,P2,P3	mg/kg	0.0026	0.00073	SW846 8260D	1	06/19/2024 13:19	TMP	A2
1,1-Dichloroethane	0.00065U	U,P1,P2,P3	mg/kg	0.0026	0.00065	SW846 8260D	1	06/19/2024 13:19	TMP	A2
1,1-Dichloroethene	0.00068U	U,P1,P2,P3	mg/kg	0.0026	0.00068	SW846 8260D	1	06/19/2024 13:19	TMP	A2
1,1-Dichloropropene	0.00065U	U,P1,P2,P3	mg/kg	0.0026	0.00065	SW846 8260D	1	06/19/2024 13:19	TMP	A2
1,2,3-Trichlorobenzene	0.00065U	U,P1,P2,P3	mg/kg	0.0065	0.00065	SW846 8260D	1	06/19/2024 13:19	TMP	A2
1,2,3-Trichloropropane	0.00065U	U,P1,P2,P3	mg/kg	0.0026	0.00065	SW846 8260D	1	06/19/2024 13:19	TMP	A2
1,2,4-Trichlorobenzene	0.00065U	U,P1,P2,P3	mg/kg	0.0065	0.00065	SW846 8260D	1	06/19/2024 13:19	TMP	A2
1,2,4-Trimethylbenzene	0.00065U	U,P1,P2,P3	mg/kg	0.0026	0.00065	SW846 8260D	1	06/19/2024 13:19	TMP	A2
1,2-Dibromo-3-chloropropane	0.00033U	U,P1,P2,P3	mg/kg	0.0026	0.00033	SW846 8260D	1	06/19/2024 13:19	TMP	A2
1,2-Dibromoethane	0.00071U	U,P1,P2,P3	mg/kg	0.0026	0.00071	SW846 8260D	1	06/19/2024 13:19	TMP	A2
1,2-Dichlorobenzene	0.00065U	U,P1,P2,P3	mg/kg	0.0026	0.00065	SW846 8260D	1	06/19/2024 13:19	TMP	A2
1,2-Dichloroethane	0.00065U	U,P1,P2,P3	mg/kg	0.0026	0.00065	SW846 8260D	1	06/19/2024 13:19	TMP	A2
1,2-Dichloropropane	0.00079U	U,P1,P2,P3	mg/kg	0.0026	0.00079	SW846 8260D	1	06/19/2024 13:19	TMP	A2
1,3,5-Trimethylbenzene	0.00065U	U,P1,P2,P3	mg/kg	0.0026	0.00065	SW846 8260D	1	06/19/2024 13:19	TMP	A2
1,3-Dichlorobenzene	0.00065U	U,P1,P2,P3	mg/kg	0.0026	0.00065	SW846 8260D	1	06/19/2024 13:19	TMP	A2
1,3-Dichloropropane	0.0011U	U,P1,P2,P3	mg/kg	0.0026	0.0011	SW846 8260D	1	06/19/2024 13:19	TMP	A2
1,4-Dichlorobenzene	0.00065U	U,P1,P2,P3	mg/kg	0.0026	0.00065	SW846 8260D	1	06/19/2024 13:19	TMP	A2
2,2-Dichloropropane	0.00065U	U,P1,P2,P3	mg/kg	0.0026	0.00065	SW846 8260D	1	06/19/2024 13:19	TMP	A2
2-Butanone	0.0042U	U,P1,P2,P3	mg/kg	0.013	0.0042	SW846 8260D	1	06/19/2024 13:19	TMP	A2
2-Hexanone	0.0037U	U,P1,P2,P3	mg/kg	0.013	0.0037	SW846 8260D	1	06/19/2024 13:19	TMP	A2
4-Methyl-2-Pentanone(MIBK)	0.0050U	U,P1,P2,P3	mg/kg	0.013	0.0050	SW846 8260D	1	06/19/2024 13:19	TMP	A2
Acetone	0.0070J	J,P1,P2,P3	mg/kg	0.013	0.0060	SW846 8260D	1	06/19/2024 13:19	TMP	A2
Benzene	0.00065U	U,P1,P2,P3	mg/kg	0.0026	0.00065	SW846 8260D	1	06/19/2024 13:19	TMP	A2





## Results

Client Sample ID	SB-29 (2-4)	Collected	06/07/2024 10:15
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### VOLATILE ORGANICS (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Bromobenzene	0.00065U	U,P1,P2,P3	mg/kg	0.0026	0.00065	SW846 8260D	1	06/19/2024 13:19	TMP	A2
Bromochloromethane	0.00065U	U,P1,P2,P3	mg/kg	0.0026	0.00065	SW846 8260D	1	06/19/2024 13:19	TMP	A2
Bromodichloromethane	0.00093U	U,P1,P2,P3	mg/kg	0.0026	0.00093	SW846 8260D	1	06/19/2024 13:19	TMP	A2
Bromoform	0.00068U	U,P1,P2,P3	mg/kg	0.0026	0.00068	SW846 8260D	1	06/19/2024 13:19	TMP	A2
Bromomethane	0.00068U	U,2,3,4,P1,P2,P3	mg/kg	0.0026	0.00068	SW846 8260D	1	06/19/2024 13:19	TMP	A2
Carbon Disulfide	0.00082U	U,P1,P2,P3	mg/kg	0.0026	0.00082	SW846 8260D	1	06/19/2024 13:19	TMP	A2
Carbon Tetrachloride	0.00067U	U,P1,P2,P3	mg/kg	0.0026	0.00067	SW846 8260D	1	06/19/2024 13:19	TMP	A2
Chlorobenzene	0.00067U	U,P1,P2,P3	mg/kg	0.0026	0.00067	SW846 8260D	1	06/19/2024 13:19	TMP	A2
Chlorodibromomethane	0.00089U	U,P1,P2,P3	mg/kg	0.0026	0.00089	SW846 8260D	1	06/19/2024 13:19	TMP	A2
Chloroethane	0.0011U	U,P1,P2,P3	mg/kg	0.0065	0.0011	SW846 8260D	1	06/19/2024 13:19	TMP	A2
Chloroform	0.00069U	U,P1,P2,P3	mg/kg	0.0026	0.00069	SW846 8260D	1	06/19/2024 13:19	TMP	A2
Chloromethane	0.00072U	U,P1,P2,P3	mg/kg	0.0026	0.00072	SW846 8260D	1	06/19/2024 13:19	TMP	A2
cis-1,2-Dichloroethene	0.00065U	U,P1,P2,P3	mg/kg	0.0026	0.00065	SW846 8260D	1	06/19/2024 13:19	TMP	A2
cis-1,3-Dichloropropene	0.00072U	U,P1,P2,P3	mg/kg	0.0026	0.00072	SW846 8260D	1	06/19/2024 13:19	TMP	A2
Dibromomethane	0.00094U	U,P1,P2,P3	mg/kg	0.0026	0.00094	SW846 8260D	1	06/19/2024 13:19	TMP	A2
Dichlorodifluoromethane	0.00088U	U,P1,P2,P3	mg/kg	0.0026	0.00088	SW846 8260D	1	06/19/2024 13:19	TMP	A2
Ethylbenzene	0.00089U	U,P1,P2,P3	mg/kg	0.0026	0.00089	SW846 8260D	1	06/19/2024 13:19	TMP	A2
Freon 113	0.00065U	U,5,7,P1,P2,P3	mg/kg	0.0026	0.00065	SW846 8260D	1	06/19/2024 13:19	TMP	A2
Hexachlorobutadiene	0.00065U	U,P1,P2,P3	mg/kg	0.0065	0.00065	SW846 8260D	1	06/19/2024 13:19	TMP	A2
Isopropylbenzene	0.00080U	U,P1,P2,P3	mg/kg	0.0026	0.00080	SW846 8260D	1	06/19/2024 13:19	TMP	A2
Methyl t-Butyl Ether	0.00065U	U,P1,P2,P3	mg/kg	0.0026	0.00065	SW846 8260D	1	06/19/2024 13:19	TMP	A2
Methylene Chloride	0.0010U	U,P1,P2,P3	mg/kg	0.0026	0.0010	SW846 8260D	1	06/19/2024 13:19	TMP	A2
mp-Xylene	0.0011U	U,P1,P2,P3	mg/kg	0.0052	0.0011	SW846 8260D	1	06/19/2024 13:19	TMP	A2
Naphthalene	0.00065U	U,P1,P2,P3	mg/kg	0.0026	0.00065	SW846 8260D	1	06/19/2024 13:19	TMP	A2
n-Butylbenzene	0.00065U	U,P1,P2,P3	mg/kg	0.0026	0.00065	SW846 8260D	1	06/19/2024 13:19	TMP	A2
n-Propylbenzene	0.00065U	U,P1,P2,P3	mg/kg	0.0026	0.00065	SW846 8260D	1	06/19/2024 13:19	TMP	A2
o-Chlorotoluene	0.00065U	U,P1,P2,P3	mg/kg	0.0026	0.00065	SW846 8260D	1	06/19/2024 13:19	TMP	A2
o-Xylene	0.00076U	U,P1,P2,P3	mg/kg	0.0026	0.00076	SW846 8260D	1	06/19/2024 13:19	TMP	A2
p-Chlorotoluene	0.00065U	U,P1,P2,P3	mg/kg	0.0026	0.00065	SW846 8260D	1	06/19/2024 13:19	TMP	A2
p-Isopropyltoluene	0.00065U	U,P1,P2,P3	mg/kg	0.0026	0.00065	SW846 8260D	1	06/19/2024 13:19	TMP	A2
sec-Butylbenzene	0.00065U	U,P1,P2,P3	mg/kg	0.0026	0.00065	SW846 8260D	1	06/19/2024 13:19	TMP	A2
Styrene	0.00065U	U,P1,P2,P3	mg/kg	0.0026	0.00065	SW846 8260D	1	06/19/2024 13:19	TMP	A2
tert-Butylbenzene	0.00072U	U,P1,P2,P3	mg/kg	0.0026	0.00072	SW846 8260D	1	06/19/2024 13:19	TMP	A2
Tetrachloroethene	0.00079U	U,8,P1,P2,P3	mg/kg	0.0026	0.00079	SW846 8260D	1	06/19/2024 13:19	TMP	A2
Toluene	0.00088U	U,P1,P2,P3	mg/kg	0.0026	0.00088	SW846 8260D	1	06/19/2024 13:19	TMP	A2

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## Results

Client Sample ID	SB-29 (2-4)	Collected	06/07/2024 10:15
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### VOLATILE ORGANICS (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Total Xylenes	0.0018U	U,P1,P2,P3	mg/kg	0.0079	0.0018	SW846 8260D	1	06/19/2024 13:19	TMP	A2
trans-1,2-Dichloroethene	0.00068U	U,P1,P2,P3	mg/kg	0.0026	0.00068	SW846 8260D	1	06/19/2024 13:19	TMP	A2
trans-1,3-Dichloropropene	0.00076U	U,P1,P2,P3	mg/kg	0.0026	0.00076	SW846 8260D	1	06/19/2024 13:19	TMP	A2
Trichloroethene	0.00065U	U,P1,P2,P3	mg/kg	0.0026	0.00065	SW846 8260D	1	06/19/2024 13:19	TMP	A2
Trichlorofluoromethane	0.00065U	U,P1,P2,P3	mg/kg	0.0026	0.00065	SW846 8260D	1	06/19/2024 13:19	TMP	A2
Vinyl Chloride	0.00065U	U,P1,P2,P3	mg/kg	0.0026	0.00065	SW846 8260D	1	06/19/2024 13:19	TMP	A2

### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	121%	56 – 124	06/19/2024 13:19	
4-Bromofluorobenzene	460-00-4	99.6%	51 – 128	06/19/2024 13:19	
Dibromofluoromethane	1868-53-7	105%	62 – 123	06/19/2024 13:19	
Toluene-d8	2037-26-5	96.6%	59 – 131	06/19/2024 13:19	

### WET CHEMISTRY

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Moisture	19.4	P1,P2,P3	%	0.1	0.01	S2540G-11	1	06/13/2024 14:19	J1K	A
Total Solids	80.6	P1,P2,P3	%	0.1	0.01	S2540G-11	1	06/13/2024 14:19	J1K	A

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## Results

Client Sample ID	SB-29 (4-6)	Collected	06/07/2024 10:15
Lab Sample ID	3363931004	Lab Receipt	06/11/2024 15:50

### GASOLINE RANGE ORGANICS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Gasoline Range Organics	2.3U	U,P1,P2,P3	mg/kg	13.3	2.3	SW846 8015D	100	06/18/2024 20:25	JTH	A1

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
a,a,a-Trifluorotoluene	98-08-8	83.9%	72 - 134	06/18/2024 20:25	

### PETROLEUM HC's

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Diesel Range Organics C10-C28	16.5	P1,P2,P3	mg/kg	12.3	3.4	SW846 8015D	1	06/19/2024 01:13	KJH	A

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
o-Terphenyl	84-15-1	80.1%	36 - 122	06/19/2024 01:13	

### SEMIVOLATILE SIM

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,4-Dioxane	0.0026U	U,P1,P2,P3	mg/kg	0.0051	0.0026	SW846 8270E SIM	1	06/20/2024 13:32	S7M	A
1-Methylnaphthalene	0.0068	15,P1,P2,P3	mg/kg	0.0051	0.00093	SW846 8270E SIM	1	06/20/2024 13:32	S7M	A
2-Methylnaphthalene	0.0084	16,17,P1,P2,P3	mg/kg	0.0051	0.0013	SW846 8270E SIM	1	06/20/2024 13:32	S7M	A
Acenaphthene	0.00093U	U,P1,P2,P3	mg/kg	0.0051	0.00093	SW846 8270E SIM	1	06/20/2024 13:32	S7M	A
Acenaphthylene	0.00093U	U,P1,P2,P3	mg/kg	0.0051	0.00093	SW846 8270E SIM	1	06/20/2024 13:32	S7M	A
Anthracene	0.00082U	U,P1,P2,P3	mg/kg	0.0051	0.00082	SW846 8270E SIM	1	06/20/2024 13:32	S7M	A
Benzo(a)anthracene	0.00082U	U,P1,P2,P3	mg/kg	0.0051	0.00082	SW846 8270E SIM	1	06/20/2024 13:32	S7M	A
Benzo(a)pyrene	0.00082U	U,P1,P2,P3	mg/kg	0.0051	0.00082	SW846 8270E SIM	1	06/20/2024 13:32	S7M	A
Benzo(b)fluoranthene	0.00082U	U,P1,P2,P3	mg/kg	0.0051	0.00082	SW846 8270E SIM	1	06/20/2024 13:32	S7M	A
Benzo(g,h,i)perylene	0.0010U	U,11,P1,P2,P3	mg/kg	0.0051	0.0010	SW846 8270E SIM	1	06/20/2024 13:32	S7M	A
Benzo(k)fluoranthene	0.00093U	U,P1,P2,P3	mg/kg	0.0051	0.00093	SW846 8270E SIM	1	06/20/2024 13:32	S7M	A
Chrysene	0.0039J	J,P1,P2,P3	mg/kg	0.0051	0.00093	SW846 8270E SIM	1	06/20/2024 13:32	S7M	A
Dibenzo(a,h)anthracene	0.00072U	U,P1,P2,P3	mg/kg	0.0051	0.00072	SW846 8270E SIM	1	06/20/2024 13:32	S7M	A
Fluoranthene	0.0021J	J,P1,P2,P3	mg/kg	0.0051	0.00093	SW846 8270E SIM	1	06/20/2024 13:32	S7M	A
Fluorene	0.0010U	U,P1,P2,P3	mg/kg	0.0051	0.0010	SW846 8270E SIM	1	06/20/2024 13:32	S7M	A
Indeno(1,2,3-cd)pyrene	0.00082U	U,P1,P2,P3	mg/kg	0.0051	0.00082	SW846 8270E SIM	1	06/20/2024 13:32	S7M	A
Naphthalene	0.0056	P1,P2,P3	mg/kg	0.0051	0.0011	SW846 8270E SIM	1	06/20/2024 13:32	S7M	A
Phenanthrene	0.0056	18,P1,P2,P3	mg/kg	0.0051	0.0011	SW846 8270E SIM	1	06/20/2024 13:32	S7M	A



## Results

Client Sample ID	SB-29 (4-6)	Collected	06/07/2024 10:15
Lab Sample ID	3363931004	Lab Receipt	06/11/2024 15:50

### SEMIVOLATILE SIM (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Pyrene	0.0027J	J,P1,P2, P3	mg/kg	0.0051	0.00082	SW846 8270E SIM	1	06/20/2024 13:32	S7M	A

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
2-Methylnaphthalene-d10	7297-45-2	82.1%	50 - 150	06/20/2024 13:32	
Fluoranthene-d10	93951-69-0	89.6%	50 - 150	06/20/2024 13:32	

### SEMIVOLATILES

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1-Methylnaphthalene	0.017U	U,P1,P2, ,P3	mg/kg	0.10	0.017	SW846 8270E	1	06/18/2024 14:03	S7M	A
2-Methylnaphthalene	0.017U	U,P1,P2, ,P3	mg/kg	0.10	0.017	SW846 8270E	1	06/18/2024 14:03	S7M	A
Acenaphthene	0.017U	U,P1,P2, ,P3	mg/kg	0.051	0.017	SW846 8270E	1	06/18/2024 14:03	S7M	A
Acenaphthylene	0.017U	U,P1,P2, ,P3	mg/kg	0.051	0.017	SW846 8270E	1	06/18/2024 14:03	S7M	A
Anthracene	0.017U	U,P1,P2, ,P3	mg/kg	0.051	0.017	SW846 8270E	1	06/18/2024 14:03	S7M	A
Benzo(a)anthracene	0.017U	U,P1,P2, ,P3	mg/kg	0.051	0.017	SW846 8270E	1	06/18/2024 14:03	S7M	A
Benzo(a)pyrene	0.017U	U,P1,P2, ,P3	mg/kg	0.051	0.017	SW846 8270E	1	06/18/2024 14:03	S7M	A
Benzo(b)fluoranthene	0.017U	U,P1,P2, ,P3	mg/kg	0.051	0.017	SW846 8270E	1	06/18/2024 14:03	S7M	A
Benzo(g,h,i)perylene	0.017U	U,P1,P2, ,P3	mg/kg	0.051	0.017	SW846 8270E	1	06/18/2024 14:03	S7M	A
Benzo(k)fluoranthene	0.017U	U,P1,P2, ,P3	mg/kg	0.051	0.017	SW846 8270E	1	06/18/2024 14:03	S7M	A
Carbazole	0.017U	U,P1,P2, ,P3	mg/kg	0.10	0.017	SW846 8270E	1	06/18/2024 14:03	S7M	A
Chrysene	0.017U	U,P1,P2, ,P3	mg/kg	0.051	0.017	SW846 8270E	1	06/18/2024 14:03	S7M	A
Dibenzo(a,h)anthracene	0.017U	U,P1,P2, ,P3	mg/kg	0.051	0.017	SW846 8270E	1	06/18/2024 14:03	S7M	A
Dibenzofuran	0.017U	U,P1,P2, ,P3	mg/kg	0.10	0.017	SW846 8270E	1	06/18/2024 14:03	S7M	A
Fluoranthene	0.017U	U,P1,P2, ,P3	mg/kg	0.051	0.017	SW846 8270E	1	06/18/2024 14:03	S7M	A
Fluorene	0.017U	U,P1,P2, ,P3	mg/kg	0.051	0.017	SW846 8270E	1	06/18/2024 14:03	S7M	A
Indeno(1,2,3-cd)pyrene	0.017U	U,P1,P2, ,P3	mg/kg	0.051	0.017	SW846 8270E	1	06/18/2024 14:03	S7M	A
Naphthalene	0.017U	U,P1,P2, ,P3	mg/kg	0.051	0.017	SW846 8270E	1	06/18/2024 14:03	S7M	A
Phenanthrene	0.017U	U,P1,P2, ,P3	mg/kg	0.051	0.017	SW846 8270E	1	06/18/2024 14:03	S7M	A
Pyrene	0.017U	U,P1,P2, ,P3	mg/kg	0.051	0.017	SW846 8270E	1	06/18/2024 14:03	S7M	A

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## Results

Client Sample ID	SB-29 (4-6)	Collected	06/07/2024 10:15
Lab Sample ID	3363931004	Lab Receipt	06/11/2024 15:50

### SEMIVOLATILES (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
<i>SURROGATES</i>										
Compound	CAS No			Recovery		Limits(%)		Analysis Date/Time		Qualifiers
2,4,6-Tribromophenol	118-79-6			66.5%		19 - 132		06/18/2024 14:03		
2-Fluorobiphenyl	321-60-8			70.9%		40 - 110		06/18/2024 14:03		
2-Fluorophenol	367-12-4			63.8%		26 - 116		06/18/2024 14:03		
Nitrobenzene-d5	4165-60-0			68.6%		38 - 112		06/18/2024 14:03		
Phenol-d5	4165-62-2			61.5%		35 - 111		06/18/2024 14:03		
Terphenyl-d14	98904-43-9			73.2%		45 - 126		06/18/2024 14:03		

### VOLATILE ORGANICS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1-Trichloroethane	0.00077U	U,P1,P2,P3	mg/kg	0.0025	0.00077	SW846 8260D	1	06/19/2024 13:45	TMP	A2
1,1,2,2-Tetrachloroethane	0.00069U	U,P1,P2,P3	mg/kg	0.0025	0.00069	SW846 8260D	1	06/19/2024 13:45	TMP	A2
1,1,2-Trichloroethane	0.00069U	U,P1,P2,P3	mg/kg	0.0025	0.00069	SW846 8260D	1	06/19/2024 13:45	TMP	A2
1,1-Dichloroethane	0.00062U	U,P1,P2,P3	mg/kg	0.0025	0.00062	SW846 8260D	1	06/19/2024 13:45	TMP	A2
1,1-Dichloroethene	0.00064U	U,P1,P2,P3	mg/kg	0.0025	0.00064	SW846 8260D	1	06/19/2024 13:45	TMP	A2
1,1-Dichloropropene	0.00062U	U,P1,P2,P3	mg/kg	0.0025	0.00062	SW846 8260D	1	06/19/2024 13:45	TMP	A2
1,2,3-Trichlorobenzene	0.00062U	U,P1,P2,P3	mg/kg	0.0062	0.00062	SW846 8260D	1	06/19/2024 13:45	TMP	A2
1,2,3-Trichloropropane	0.00062U	U,P1,P2,P3	mg/kg	0.0025	0.00062	SW846 8260D	1	06/19/2024 13:45	TMP	A2
1,2,4-Trichlorobenzene	0.00062U	U,P1,P2,P3	mg/kg	0.0062	0.00062	SW846 8260D	1	06/19/2024 13:45	TMP	A2
1,2,4-Trimethylbenzene	0.00062U	U,P1,P2,P3	mg/kg	0.0025	0.00062	SW846 8260D	1	06/19/2024 13:45	TMP	A2
1,2-Dibromo-3-chloropropane	0.00031U	U,P1,P2,P3	mg/kg	0.0025	0.00031	SW846 8260D	1	06/19/2024 13:45	TMP	A2
1,2-Dibromoethane	0.00067U	U,P1,P2,P3	mg/kg	0.0025	0.00067	SW846 8260D	1	06/19/2024 13:45	TMP	A2
1,2-Dichlorobenzene	0.00062U	U,P1,P2,P3	mg/kg	0.0025	0.00062	SW846 8260D	1	06/19/2024 13:45	TMP	A2
1,2-Dichloroethane	0.00062U	U,P1,P2,P3	mg/kg	0.0025	0.00062	SW846 8260D	1	06/19/2024 13:45	TMP	A2
1,2-Dichloropropane	0.00074U	U,P1,P2,P3	mg/kg	0.0025	0.00074	SW846 8260D	1	06/19/2024 13:45	TMP	A2
1,3,5-Trimethylbenzene	0.00062U	U,P1,P2,P3	mg/kg	0.0025	0.00062	SW846 8260D	1	06/19/2024 13:45	TMP	A2
1,3-Dichlorobenzene	0.00062U	U,P1,P2,P3	mg/kg	0.0025	0.00062	SW846 8260D	1	06/19/2024 13:45	TMP	A2
1,3-Dichloropropane	0.0010U	U,P1,P2,P3	mg/kg	0.0025	0.0010	SW846 8260D	1	06/19/2024 13:45	TMP	A2
1,4-Dichlorobenzene	0.00062U	U,P1,P2,P3	mg/kg	0.0025	0.00062	SW846 8260D	1	06/19/2024 13:45	TMP	A2
2,2-Dichloropropane	0.00062U	U,P1,P2,P3	mg/kg	0.0025	0.00062	SW846 8260D	1	06/19/2024 13:45	TMP	A2
2-Butanone	0.0081J	J,P1,P2,P3	mg/kg	0.012	0.0040	SW846 8260D	1	06/19/2024 13:45	TMP	A2
2-Hexanone	0.0035U	U,P1,P2,P3	mg/kg	0.012	0.0035	SW846 8260D	1	06/19/2024 13:45	TMP	A2
4-Methyl-2-Pentanone(MIBK)	0.0047U	U,P1,P2,P3	mg/kg	0.012	0.0047	SW846 8260D	1	06/19/2024 13:45	TMP	A2
Acetone	0.075	P1,P2,P3	mg/kg	0.012	0.0057	SW846 8260D	1	06/19/2024 13:45	TMP	A2
Benzene	0.00062U	U,P1,P2,P3	mg/kg	0.0025	0.00062	SW846 8260D	1	06/19/2024 13:45	TMP	A2



**Results**

Client Sample ID	SB-29 (4-6)	Collected	06/07/2024 10:15
Lab Sample ID	3363931004	Lab Receipt	06/11/2024 15:50

**VOLATILE ORGANICS (cont.)**

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Bromobenzene	0.00062U	U,P1,P2,P3	mg/kg	0.0025	0.00062	SW846 8260D	1	06/19/2024 13:45	TMP	A2
Bromochloromethane	0.00062U	U,P1,P2,P3	mg/kg	0.0025	0.00062	SW846 8260D	1	06/19/2024 13:45	TMP	A2
Bromodichloromethane	0.00088U	U,P1,P2,P3	mg/kg	0.0025	0.00088	SW846 8260D	1	06/19/2024 13:45	TMP	A2
Bromoform	0.00064U	U,P1,P2,P3	mg/kg	0.0025	0.00064	SW846 8260D	1	06/19/2024 13:45	TMP	A2
Bromomethane	0.00064U	U,2,3,4,P1,P2,P3	mg/kg	0.0025	0.00064	SW846 8260D	1	06/19/2024 13:45	TMP	A2
Carbon Disulfide	0.0028	P1,P2,P3	mg/kg	0.0025	0.00078	SW846 8260D	1	06/19/2024 13:45	TMP	A2
Carbon Tetrachloride	0.00063U	U,P1,P2,P3	mg/kg	0.0025	0.00063	SW846 8260D	1	06/19/2024 13:45	TMP	A2
Chlorobenzene	0.00063U	U,P1,P2,P3	mg/kg	0.0025	0.00063	SW846 8260D	1	06/19/2024 13:45	TMP	A2
Chlorodibromomethane	0.00084U	U,P1,P2,P3	mg/kg	0.0025	0.00084	SW846 8260D	1	06/19/2024 13:45	TMP	A2
Chloroethane	0.0010U	U,P1,P2,P3	mg/kg	0.0062	0.0010	SW846 8260D	1	06/19/2024 13:45	TMP	A2
Chloroform	0.00065U	U,P1,P2,P3	mg/kg	0.0025	0.00065	SW846 8260D	1	06/19/2024 13:45	TMP	A2
Chloromethane	0.00068U	U,P1,P2,P3	mg/kg	0.0025	0.00068	SW846 8260D	1	06/19/2024 13:45	TMP	A2
cis-1,2-Dichloroethene	0.00062U	U,P1,P2,P3	mg/kg	0.0025	0.00062	SW846 8260D	1	06/19/2024 13:45	TMP	A2
cis-1,3-Dichloropropene	0.00068U	U,P1,P2,P3	mg/kg	0.0025	0.00068	SW846 8260D	1	06/19/2024 13:45	TMP	A2
Dibromomethane	0.00089U	U,P1,P2,P3	mg/kg	0.0025	0.00089	SW846 8260D	1	06/19/2024 13:45	TMP	A2
Dichlorodifluoromethane	0.00083U	U,P1,P2,P3	mg/kg	0.0025	0.00083	SW846 8260D	1	06/19/2024 13:45	TMP	A2
Ethylbenzene	0.00084U	U,P1,P2,P3	mg/kg	0.0025	0.00084	SW846 8260D	1	06/19/2024 13:45	TMP	A2
Freon 113	0.00062U	U,5,7,P1,P2,P3	mg/kg	0.0025	0.00062	SW846 8260D	1	06/19/2024 13:45	TMP	A2
Hexachlorobutadiene	0.00062U	U,P1,P2,P3	mg/kg	0.0062	0.00062	SW846 8260D	1	06/19/2024 13:45	TMP	A2
Isopropylbenzene	0.00075U	U,P1,P2,P3	mg/kg	0.0025	0.00075	SW846 8260D	1	06/19/2024 13:45	TMP	A2
Methyl t-Butyl Ether	0.00062U	U,P1,P2,P3	mg/kg	0.0025	0.00062	SW846 8260D	1	06/19/2024 13:45	TMP	A2
Methylene Chloride	0.0050	P1,P2,P3	mg/kg	0.0025	0.00096	SW846 8260D	1	06/19/2024 13:45	TMP	A2
mp-Xylene	0.0010U	U,P1,P2,P3	mg/kg	0.0049	0.0010	SW846 8260D	1	06/19/2024 13:45	TMP	A2
Naphthalene	0.00062U	U,P1,P2,P3	mg/kg	0.0025	0.00062	SW846 8260D	1	06/19/2024 13:45	TMP	A2
n-Butylbenzene	0.00062U	U,P1,P2,P3	mg/kg	0.0025	0.00062	SW846 8260D	1	06/19/2024 13:45	TMP	A2
n-Propylbenzene	0.00062U	U,P1,P2,P3	mg/kg	0.0025	0.00062	SW846 8260D	1	06/19/2024 13:45	TMP	A2
o-Chlorotoluene	0.00062U	U,P1,P2,P3	mg/kg	0.0025	0.00062	SW846 8260D	1	06/19/2024 13:45	TMP	A2
o-Xylene	0.00072U	U,P1,P2,P3	mg/kg	0.0025	0.00072	SW846 8260D	1	06/19/2024 13:45	TMP	A2
p-Chlorotoluene	0.00062U	U,P1,P2,P3	mg/kg	0.0025	0.00062	SW846 8260D	1	06/19/2024 13:45	TMP	A2
p-Isopropyltoluene	0.00062U	U,P1,P2,P3	mg/kg	0.0025	0.00062	SW846 8260D	1	06/19/2024 13:45	TMP	A2
sec-Butylbenzene	0.00062U	U,P1,P2,P3	mg/kg	0.0025	0.00062	SW846 8260D	1	06/19/2024 13:45	TMP	A2
Styrene	0.00062U	U,P1,P2,P3	mg/kg	0.0025	0.00062	SW846 8260D	1	06/19/2024 13:45	TMP	A2
tert-Butylbenzene	0.00068U	U,P1,P2,P3	mg/kg	0.0025	0.00068	SW846 8260D	1	06/19/2024 13:45	TMP	A2
Tetrachloroethene	0.00074U	U,8,P1,P2,P3	mg/kg	0.0025	0.00074	SW846 8260D	1	06/19/2024 13:45	TMP	A2
Toluene	0.00083U	U,P1,P2,P3	mg/kg	0.0025	0.00083	SW846 8260D	1	06/19/2024 13:45	TMP	A2

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**Results**

Client Sample ID	SB-29 (4-6)	Collected	06/07/2024 10:15
Lab Sample ID	3363931004	Lab Receipt	06/11/2024 15:50

**VOLATILE ORGANICS (cont.)**

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Total Xylenes	0.0017U	U,P1,P2,P3	mg/kg	0.0074	0.0017	SW846 8260D	1	06/19/2024 13:45	TMP	A2
trans-1,2-Dichloroethene	0.00064U	U,P1,P2,P3	mg/kg	0.0025	0.00064	SW846 8260D	1	06/19/2024 13:45	TMP	A2
trans-1,3-Dichloropropene	0.00072U	U,P1,P2,P3	mg/kg	0.0025	0.00072	SW846 8260D	1	06/19/2024 13:45	TMP	A2
Trichloroethene	0.00062U	U,P1,P2,P3	mg/kg	0.0025	0.00062	SW846 8260D	1	06/19/2024 13:45	TMP	A2
Trichlorofluoromethane	0.00062U	U,P1,P2,P3	mg/kg	0.0025	0.00062	SW846 8260D	1	06/19/2024 13:45	TMP	A2
Vinyl Chloride	0.00062U	U,P1,P2,P3	mg/kg	0.0025	0.00062	SW846 8260D	1	06/19/2024 13:45	TMP	A2

**SURROGATES**

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	120%	56 – 124	06/19/2024 13:45	
4-Bromofluorobenzene	460-00-4	96.3%	51 – 128	06/19/2024 13:45	
Dibromofluoromethane	1868-53-7	105%	62 – 123	06/19/2024 13:45	
Toluene-d8	2037-26-5	95.8%	59 – 131	06/19/2024 13:45	

**WET CHEMISTRY**

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Moisture	17.7	P1,P2,P3	%	0.1	0.01	S2540G-11	1	06/13/2024 14:19	J1K	A
Total Solids	82.3	P1,P2,P3	%	0.1	0.01	S2540G-11	1	06/13/2024 14:19	J1K	A

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## Results

Client Sample ID	SB-28 (4-6)	Collected	06/07/2024 10:45
Lab Sample ID	3363931005	Lab Receipt	06/11/2024 15:50

### GASOLINE RANGE ORGANICS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Gasoline Range Organics	1680	P1,P2,P3,S1	mg/kg	243	41.3	SW846 8015D	2000	06/19/2024 19:04	JTH	A1

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
a,a,a-Trifluorotoluene	98-08-8	2000*%	72 - 134	06/19/2024 19:04	

### PETROLEUM HC's

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Diesel Range Organics C10-C28	3110	P1,P2,P3,S1	mg/kg	677	185	SW846 8015D	50	06/21/2024 16:41	KJH	A

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
o-Terphenyl	84-15-1	0*%	36 - 122	06/21/2024 16:41	

### SEMIVOLATILE SIM

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,4-Dioxane	0.0028U	U,P1,P2,P3,S1	mg/kg	0.0056	0.0028	SW846 8270E SIM	1	06/20/2024 14:54	S7M	A
1-Methylnaphthalene	2.4	E,P1,P2,P3,S1	mg/kg	0.0056	0.0010	SW846 8270E SIM	1	06/20/2024 14:54	S7M	A
2-Methylnaphthalene	3.5	E,P1,P2,P3,S1	mg/kg	0.0056	0.0014	SW846 8270E SIM	1	06/20/2024 14:54	S7M	A
Acenaphthene	0.0010U	U,P1,P2,P3,S1	mg/kg	0.0056	0.0010	SW846 8270E SIM	1	06/20/2024 14:54	S7M	A
Acenaphthylene	0.0010U	U,P1,P2,P3,S1	mg/kg	0.0056	0.0010	SW846 8270E SIM	1	06/20/2024 14:54	S7M	A
Anthracene	0.076	P1,P2,P3,S1	mg/kg	0.0056	0.00089	SW846 8270E SIM	1	06/20/2024 14:54	S7M	A
Benzo(a)anthracene	0.00089U	U,P1,P2,P3,S1	mg/kg	0.0056	0.00089	SW846 8270E SIM	1	06/20/2024 14:54	S7M	A
Benzo(a)pyrene	0.00089U	U,P1,P2,P3,S1	mg/kg	0.0056	0.00089	SW846 8270E SIM	1	06/20/2024 14:54	S7M	A
Benzo(b)fluoranthene	0.00089U	U,P1,P2,P3,S1	mg/kg	0.0056	0.00089	SW846 8270E SIM	1	06/20/2024 14:54	S7M	A
Benzo(g,h,i)perylene	0.0058	11,P1,P2,P3,S1	mg/kg	0.0056	0.0011	SW846 8270E SIM	1	06/20/2024 14:54	S7M	A
Benzo(k)fluoranthene	0.0010U	U,P1,P2,P3,S1	mg/kg	0.0056	0.0010	SW846 8270E SIM	1	06/20/2024 14:54	S7M	A
Chrysene	0.12	P1,P2,P3,S1	mg/kg	0.0056	0.0010	SW846 8270E SIM	1	06/20/2024 14:54	S7M	A
Dibenzo(a,h)anthracene	0.00078U	U,P1,P2,P3,S1	mg/kg	0.0056	0.00078	SW846 8270E SIM	1	06/20/2024 14:54	S7M	A
Fluoranthene	0.090	P1,P2,P3,S1	mg/kg	0.0056	0.0010	SW846 8270E SIM	1	06/20/2024 14:54	S7M	A
Fluorene	0.32	P1,P2,P3,S1	mg/kg	0.0056	0.0011	SW846 8270E SIM	1	06/20/2024 14:54	S7M	A
Indeno(1,2,3-cd)pyrene	0.00089U	U,P1,P2,P3,S1	mg/kg	0.0056	0.00089	SW846 8270E SIM	1	06/20/2024 14:54	S7M	A
Naphthalene	0.82	E,P1,P2,P3,S1	mg/kg	0.0056	0.0012	SW846 8270E SIM	1	06/20/2024 14:54	S7M	A
Phenanthrene	0.80	E,P1,P2,P3,S1	mg/kg	0.0056	0.0012	SW846 8270E SIM	1	06/20/2024 14:54	S7M	A



## Results

Client Sample ID	SB-28 (4-6)	Collected	06/07/2024 10:45
Lab Sample ID	3363931005	Lab Receipt	06/11/2024 15:50

### SEMIVOLATILE SIM (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Pyrene	0.078	P1,P2,P 3,S1	mg/kg	0.0056	0.00089	SW846 8270E SIM	1	06/20/2024 14:54	S7M	A

### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
2-Methylnaphthalene-d10	7297-45-2	114%	50 - 150	06/20/2024 14:54	
Fluoranthene-d10	93951-69-0	114%	50 - 150	06/20/2024 14:54	

### SEMIVOLATILES

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1-Methylnaphthalene	2.7	P1,P2,P 3,S1	mg/kg	0.11	0.019	SW846 8270E	1	06/18/2024 14:29	S7M	A
2-Methylnaphthalene	4.2	P1,P2,P 3,S1	mg/kg	0.11	0.019	SW846 8270E	1	06/18/2024 14:29	S7M	A
Acenaphthene	0.019U	U,P1,P2 ,P3,S1	mg/kg	0.056	0.019	SW846 8270E	1	06/18/2024 14:29	S7M	A
Acenaphthylene	0.019U	U,P1,P2 ,P3,S1	mg/kg	0.056	0.019	SW846 8270E	1	06/18/2024 14:29	S7M	A
Anthracene	0.061	P1,P2,P 3,S1	mg/kg	0.056	0.019	SW846 8270E	1	06/18/2024 14:29	S7M	A
Benzo(a)anthracene	0.019U	U,P1,P2 ,P3,S1	mg/kg	0.056	0.019	SW846 8270E	1	06/18/2024 14:29	S7M	A
Benzo(a)pyrene	0.019U	U,P1,P2 ,P3,S1	mg/kg	0.056	0.019	SW846 8270E	1	06/18/2024 14:29	S7M	A
Benzo(b)fluoranthene	0.019U	U,P1,P2 ,P3,S1	mg/kg	0.056	0.019	SW846 8270E	1	06/18/2024 14:29	S7M	A
Benzo(g,h,i)perylene	0.019U	U,P1,P2 ,P3,S1	mg/kg	0.056	0.019	SW846 8270E	1	06/18/2024 14:29	S7M	A
Benzo(k)fluoranthene	0.019U	U,P1,P2 ,P3,S1	mg/kg	0.056	0.019	SW846 8270E	1	06/18/2024 14:29	S7M	A
Carbazole	0.019U	U,P1,P2 ,P3,S1	mg/kg	0.11	0.019	SW846 8270E	1	06/18/2024 14:29	S7M	A
Chrysene	0.019U	U,P1,P2 ,P3,S1	mg/kg	0.056	0.019	SW846 8270E	1	06/18/2024 14:29	S7M	A
Dibenzo(a,h)anthracene	0.019U	U,P1,P2 ,P3,S1	mg/kg	0.056	0.019	SW846 8270E	1	06/18/2024 14:29	S7M	A
Dibenzofuran	0.14	P1,P2,P 3,S1	mg/kg	0.11	0.019	SW846 8270E	1	06/18/2024 14:29	S7M	A
Fluoranthene	0.019U	U,P1,P2 ,P3,S1	mg/kg	0.056	0.019	SW846 8270E	1	06/18/2024 14:29	S7M	A
Fluorene	0.019U	U,P1,P2 ,P3,S1	mg/kg	0.056	0.019	SW846 8270E	1	06/18/2024 14:29	S7M	A
Indeno(1,2,3-cd)pyrene	0.019U	U,P1,P2 ,P3,S1	mg/kg	0.056	0.019	SW846 8270E	1	06/18/2024 14:29	S7M	A
Naphthalene	0.80	P1,P2,P 3,S1	mg/kg	0.056	0.019	SW846 8270E	1	06/18/2024 14:29	S7M	A
Phenanthrene	0.82	P1,P2,P 3,S1	mg/kg	0.056	0.019	SW846 8270E	1	06/18/2024 14:29	S7M	A
Pyrene	0.091	P1,P2,P 3,S1	mg/kg	0.056	0.019	SW846 8270E	1	06/18/2024 14:29	S7M	A

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## Results

Client Sample ID	SB-28 (4-6)	Collected	06/07/2024 10:45
Lab Sample ID	3363931005	Lab Receipt	06/11/2024 15:50

### SEMIVOLATILES (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
<i>SURROGATES</i>										
Compound	CAS No			Recovery		Limits(%)		Analysis Date/Time		Qualifiers
2,4,6-Tribromophenol	118-79-6			67.9%		19 - 132		06/18/2024 14:29		
2-Fluorobiphenyl	321-60-8			66.5%		40 - 110		06/18/2024 14:29		
2-Fluorophenol	367-12-4			64.2%		26 - 116		06/18/2024 14:29		
Nitrobenzene-d5	4165-60-0			66%		38 - 112		06/18/2024 14:29		
Phenol-d5	4165-62-2			61.2%		35 - 111		06/18/2024 14:29		
Terphenyl-d14	98904-43-9			74.7%		45 - 126		06/18/2024 14:29		

### VOLATILE ORGANICS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1-Trichloroethane	0.13U	U,P1,P2 ,P3,S1	mg/kg	0.61	0.13	SW846 8260D	500	06/21/2024 01:43	BST	A1
1,1,2,2-Tetrachloroethane	0.21U	U,P1,P2 ,P3,S1	mg/kg	0.61	0.21	SW846 8260D	500	06/21/2024 01:43	BST	A1
1,1,2-Trichloroethane	0.20U	U,P1,P2 ,P3,S1	mg/kg	0.61	0.20	SW846 8260D	500	06/21/2024 01:43	BST	A1
1,1-Dichloroethane	0.17U	U,P1,P2 ,P3,S1	mg/kg	0.61	0.17	SW846 8260D	500	06/21/2024 01:43	BST	A1
1,1-Dichloroethene	0.18U	U,P1,P2 ,P3,S1	mg/kg	0.61	0.18	SW846 8260D	500	06/21/2024 01:43	BST	A1
1,1-Dichloropropene	0.16U	U,P1,P2 ,P3,S1	mg/kg	0.61	0.16	SW846 8260D	500	06/21/2024 01:43	BST	A1
1,2,3-Trichlorobenzene	0.56U	U,P1,P2 ,P3,S1	mg/kg	1.2	0.56	SW846 8260D	500	06/21/2024 01:43	BST	A1
1,2,3-Trichloropropane	0.36U	U,P1,P2 ,P3,S1	mg/kg	1.2	0.36	SW846 8260D	500	06/21/2024 01:43	BST	A1
1,2,4-Trichlorobenzene	0.50U	U,P1,P2 ,P3,S1	mg/kg	1.2	0.50	SW846 8260D	500	06/21/2024 01:43	BST	A1
1,2,4-Trimethylbenzene	0.15U	U,P1,P2 ,P3,S1	mg/kg	0.61	0.15	SW846 8260D	500	06/21/2024 01:43	BST	A1
1,2-Dibromo-3-chloropropane	0.91U	U,P1,P2 ,P3,S1	mg/kg	4.2	0.91	SW846 8260D	500	06/21/2024 01:43	BST	A1
1,2-Dibromoethane	0.17U	U,P1,P2 ,P3,S1	mg/kg	0.61	0.17	SW846 8260D	500	06/21/2024 01:43	BST	A1
1,2-Dichlorobenzene	0.23U	U,P1,P2 ,P3,S1	mg/kg	0.61	0.23	SW846 8260D	500	06/21/2024 01:43	BST	A1
1,2-Dichloroethane	0.19U	U,P1,P2 ,P3,S1	mg/kg	0.61	0.19	SW846 8260D	500	06/21/2024 01:43	BST	A1
1,2-Dichloropropane	0.15U	U,P1,P2 ,P3,S1	mg/kg	0.61	0.15	SW846 8260D	500	06/21/2024 01:43	BST	A1
1,3,5-Trimethylbenzene	0.12U	U,P1,P2 ,P3,S1	mg/kg	0.61	0.12	SW846 8260D	500	06/21/2024 01:43	BST	A1
1,3-Dichlorobenzene	0.15U	U,P1,P2 ,P3,S1	mg/kg	0.61	0.15	SW846 8260D	500	06/21/2024 01:43	BST	A1
1,3-Dichloropropane	0.16U	U,P1,P2 ,P3,S1	mg/kg	0.61	0.16	SW846 8260D	500	06/21/2024 01:43	BST	A1
1,4-Dichlorobenzene	0.16U	U,P1,P2 ,P3,S1	mg/kg	0.61	0.16	SW846 8260D	500	06/21/2024 01:43	BST	A1
2,2-Dichloropropane	0.19U	U,P1,P2 ,P3,S1	mg/kg	0.61	0.19	SW846 8260D	500	06/21/2024 01:43	BST	A1
2-Butanone	1.1U	U,P1,P2 ,P3,S1	mg/kg	6.1	1.1	SW846 8260D	500	06/21/2024 01:43	BST	A1
2-Hexanone	0.79U	U,P1,P2 ,P3,S1	mg/kg	3.0	0.79	SW846 8260D	500	06/21/2024 01:43	BST	A1
4-Methyl-2-Pentanone(MIBK)	16.9	P1,P2,P 3,S1	mg/kg	3.0	0.91	SW846 8260D	500	06/21/2024 01:43	BST	A1
Acetone	1.9U	U,P1,P2 ,P3,S1	mg/kg	6.1	1.9	SW846 8260D	500	06/21/2024 01:43	BST	A1
Benzene	0.14U	U,P1,P2 ,P3,S1	mg/kg	0.61	0.14	SW846 8260D	500	06/21/2024 01:43	BST	A1



**Results**

Client Sample ID	SB-28 (4-6)	Collected	06/07/2024 10:45
Lab Sample ID	3363931005	Lab Receipt	06/11/2024 15:50

**VOLATILE ORGANICS (cont.)**

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Bromobenzene	0.19U	U,P1,P2,P3,S1	mg/kg	0.61	0.19	SW846 8260D	500	06/21/2024 01:43	BST	A1
Bromochloromethane	0.19U	U,P1,P2,P3,S1	mg/kg	0.61	0.19	SW846 8260D	500	06/21/2024 01:43	BST	A1
Bromodichloromethane	0.16U	U,P1,P2,P3,S1	mg/kg	0.61	0.16	SW846 8260D	500	06/21/2024 01:43	BST	A1
Bromoform	0.24U	U,P1,P2,P3,S1	mg/kg	0.61	0.24	SW846 8260D	500	06/21/2024 01:43	BST	A1
Bromomethane	0.24U	U,P1,P2,P3,S1	mg/kg	0.61	0.24	SW846 8260D	500	06/21/2024 01:43	BST	A1
Carbon Disulfide	0.14U	U,P1,P2,P3,S1	mg/kg	0.61	0.14	SW846 8260D	500	06/21/2024 01:43	BST	A1
Carbon Tetrachloride	0.19U	U,19,P1,P2,P3,S1	mg/kg	0.61	0.19	SW846 8260D	500	06/21/2024 01:43	BST	A1
Chlorobenzene	0.12U	U,P1,P2,P3,S1	mg/kg	0.61	0.12	SW846 8260D	500	06/21/2024 01:43	BST	A1
Chlorodibromomethane	0.27U	U,P1,P2,P3,S1	mg/kg	0.61	0.27	SW846 8260D	500	06/21/2024 01:43	BST	A1
Chloroethane	0.20U	U,P1,P2,P3,S1	mg/kg	0.61	0.20	SW846 8260D	500	06/21/2024 01:43	BST	A1
Chloroform	0.13U	U,P1,P2,P3,S1	mg/kg	0.61	0.13	SW846 8260D	500	06/21/2024 01:43	BST	A1
Chloromethane	0.19U	U,P1,P2,P3,S1	mg/kg	0.61	0.19	SW846 8260D	500	06/21/2024 01:43	BST	A1
cis-1,2-Dichloroethene	0.19U	U,P1,P2,P3,S1	mg/kg	0.61	0.19	SW846 8260D	500	06/21/2024 01:43	BST	A1
cis-1,3-Dichloropropene	0.19U	U,P1,P2,P3,S1	mg/kg	0.61	0.19	SW846 8260D	500	06/21/2024 01:43	BST	A1
Dibromomethane	0.19U	U,P1,P2,P3,S1	mg/kg	0.61	0.19	SW846 8260D	500	06/21/2024 01:43	BST	A1
Dichlorodifluoromethane	0.20U	U,P1,P2,P3,S1	mg/kg	0.61	0.20	SW846 8260D	500	06/21/2024 01:43	BST	A1
Ethylbenzene	0.21U	U,P1,P2,P3,S1	mg/kg	0.61	0.21	SW846 8260D	500	06/21/2024 01:43	BST	A1
Freon 113	0.16U	U,P1,P2,P3,S1	mg/kg	0.61	0.16	SW846 8260D	500	06/21/2024 01:43	BST	A1
Hexachlorobutadiene	0.61U	U,P1,P2,P3,S1	mg/kg	3.0	0.61	SW846 8260D	500	06/21/2024 01:43	BST	A1
Isopropylbenzene	4.0	P1,P2,P3,S1	mg/kg	0.61	0.13	SW846 8260D	500	06/21/2024 01:43	BST	A1
Methyl t-Butyl Ether	0.20U	U,P1,P2,P3,S1	mg/kg	0.61	0.20	SW846 8260D	500	06/21/2024 01:43	BST	A1
Methylene Chloride	0.27U	U,P1,P2,P3,S1	mg/kg	0.61	0.27	SW846 8260D	500	06/21/2024 01:43	BST	A1
mp-Xylene	1.1J	J,P1,P2,P3,S1	mg/kg	1.2	0.32	SW846 8260D	500	06/21/2024 01:43	BST	A1
Naphthalene	11.8	P1,P2,P3,S1	mg/kg	1.2	0.21	SW846 8260D	500	06/21/2024 01:43	BST	A1
n-Butylbenzene	5.0	P1,P2,P3,S1	mg/kg	1.2	0.36	SW846 8260D	500	06/21/2024 01:43	BST	A1
n-Propylbenzene	10.7	P1,P2,P3,S1	mg/kg	0.61	0.20	SW846 8260D	500	06/21/2024 01:43	BST	A1
o-Chlorotoluene	0.16U	U,P1,P2,P3,S1	mg/kg	0.61	0.16	SW846 8260D	500	06/21/2024 01:43	BST	A1
o-Xylene	0.20U	U,P1,P2,P3,S1	mg/kg	0.61	0.20	SW846 8260D	500	06/21/2024 01:43	BST	A1
p-Chlorotoluene	0.20U	U,P1,P2,P3,S1	mg/kg	0.61	0.20	SW846 8260D	500	06/21/2024 01:43	BST	A1
p-Isopropyltoluene	0.19U	U,P1,P2,P3,S1	mg/kg	0.61	0.19	SW846 8260D	500	06/21/2024 01:43	BST	A1
sec-Butylbenzene	2.2	P1,P2,P3,S1	mg/kg	0.61	0.19	SW846 8260D	500	06/21/2024 01:43	BST	A1
Styrene	0.15U	U,P1,P2,P3,S1	mg/kg	0.61	0.15	SW846 8260D	500	06/21/2024 01:43	BST	A1
tert-Butylbenzene	0.27U	U,P1,P2,P3,S1	mg/kg	1.2	0.27	SW846 8260D	500	06/21/2024 01:43	BST	A1
Tetrachloroethene	0.21U	U,P1,P2,P3,S1	mg/kg	0.61	0.21	SW846 8260D	500	06/21/2024 01:43	BST	A1
Toluene	0.14U	U,P1,P2,P3,S1	mg/kg	0.61	0.14	SW846 8260D	500	06/21/2024 01:43	BST	A1

DRAFT



**Results**

Client Sample ID	SB-28 (4-6)	Collected	06/07/2024 10:45
Lab Sample ID	3363931005	Lab Receipt	06/11/2024 15:50

**VOLATILE ORGANICS (cont.)**

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Total Xylenes	1.1J	J,P1,P2, P3,S1	mg/kg	1.8	0.40	SW846 8260D	500	06/21/2024 01:43	BST	A1
trans-1,2-Dichloroethene	0.16U	U,P1,P2 ,P3,S1	mg/kg	0.61	0.16	SW846 8260D	500	06/21/2024 01:43	BST	A1
trans-1,3-Dichloropropene	0.18U	U,P1,P2 ,P3,S1	mg/kg	0.61	0.18	SW846 8260D	500	06/21/2024 01:43	BST	A1
Trichloroethene	0.20U	U,P1,P2 ,P3,S1	mg/kg	0.61	0.20	SW846 8260D	500	06/21/2024 01:43	BST	A1
Trichlorofluoromethane	0.15U	U,P1,P2 ,P3,S1	mg/kg	0.61	0.15	SW846 8260D	500	06/21/2024 01:43	BST	A1
Vinyl Chloride	0.18U	U,P1,P2 ,P3,S1	mg/kg	0.61	0.18	SW846 8260D	500	06/21/2024 01:43	BST	A1

*SURROGATES*

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	99.2%	71 – 146	06/21/2024 01:43	
4-Bromofluorobenzene	460-00-4	98.8%	46 – 138	06/21/2024 01:43	
Dibromofluoromethane	1868-53-7	80.4%	42 – 143	06/21/2024 01:43	
Toluene-d8	2037-26-5	95.2%	54 – 141	06/21/2024 01:43	

**WET CHEMISTRY**

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Moisture	22.7	P1,P2,P 3,S1	%	0.1	0.01	S2540G-11	1	06/13/2024 17:05	E1R	A
Total Solids	77.3	P1,P2,P 3,S1	%	0.1	0.01	S2540G-11	1	06/13/2024 17:05	E1R	A

DRAFT



## Results

Client Sample ID	SB-28 (6-8)	Collected	06/07/2024 10:45
Lab Sample ID	3363931006	Lab Receipt	06/11/2024 15:50

### GASOLINE RANGE ORGANICS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Gasoline Range Organics	1190	P1,P2,P3,S2	mg/kg	268	45.6	SW846 8015D	2000	06/21/2024 02:31	JTH	A1

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
a,a,a-Trifluorotoluene	98-08-8	1830*%	72 - 134	06/21/2024 02:31	

### PETROLEUM HC's

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Diesel Range Organics C10-C28	1330	P1,P2,P3,S2	mg/kg	266	72.9	SW846 8015D	20	06/21/2024 17:13	KJH	A

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
o-Terphenyl	84-15-1	0*%	36 - 122	06/21/2024 17:13	

### SEMIVOLATILE SIM

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,4-Dioxane	0.0031U	U,P1,P2,P3,S2	mg/kg	0.0061	0.0031	SW846 8270E SIM	1	06/21/2024 20:56	M1O	A
1-Methylnaphthalene	1.1	E,P1,P2,P3,S2	mg/kg	0.0061	0.0011	SW846 8270E SIM	1	06/21/2024 20:56	M1O	A
2-Methylnaphthalene	1.5	E,P1,P2,P3,S2	mg/kg	0.0061	0.0016	SW846 8270E SIM	1	06/21/2024 20:56	M1O	A
Acenaphthene	0.0011U	U,P1,P2,P3,S2	mg/kg	0.0061	0.0011	SW846 8270E SIM	1	06/21/2024 20:56	M1O	A
Acenaphthylene	0.0011U	U,P1,P2,P3,S2	mg/kg	0.0061	0.0011	SW846 8270E SIM	1	06/21/2024 20:56	M1O	A
Anthracene	0.043	P1,P2,P3,S2	mg/kg	0.0061	0.00098	SW846 8270E SIM	1	06/21/2024 20:56	M1O	A
Benzo(a)anthracene	0.013	P1,P2,P3,S2	mg/kg	0.0061	0.00098	SW846 8270E SIM	1	06/21/2024 20:56	M1O	A
Benzo(a)pyrene	0.00098U	U,P1,P2,P3,S2	mg/kg	0.0061	0.00098	SW846 8270E SIM	1	06/21/2024 20:56	M1O	A
Benzo(b)fluoranthene	0.00098U	U,P1,P2,P3,S2	mg/kg	0.0061	0.00098	SW846 8270E SIM	1	06/21/2024 20:56	M1O	A
Benzo(g,h,i)perylene	0.0053J	J,P1,P2,P3,S2	mg/kg	0.0061	0.0012	SW846 8270E SIM	1	06/21/2024 20:56	M1O	A
Benzo(k)fluoranthene	0.0011U	U,P1,P2,P3,S2	mg/kg	0.0061	0.0011	SW846 8270E SIM	1	06/21/2024 20:56	M1O	A
Chrysene	0.060	P1,P2,P3,S2	mg/kg	0.0061	0.0011	SW846 8270E SIM	1	06/21/2024 20:56	M1O	A
Dibenzo(a,h)anthracene	0.00086U	U,P1,P2,P3,S2	mg/kg	0.0061	0.00086	SW846 8270E SIM	1	06/21/2024 20:56	M1O	A
Fluoranthene	0.055	P1,P2,P3,S2	mg/kg	0.0061	0.0011	SW846 8270E SIM	1	06/21/2024 20:56	M1O	A
Fluorene	0.14	P1,P2,P3,S2	mg/kg	0.0061	0.0012	SW846 8270E SIM	1	06/21/2024 20:56	M1O	A
Indeno(1,2,3-cd)pyrene	0.00098U	U,P1,P2,P3,S2	mg/kg	0.0061	0.00098	SW846 8270E SIM	1	06/21/2024 20:56	M1O	A
Naphthalene	0.51	P1,P2,P3,S2	mg/kg	0.0061	0.0013	SW846 8270E SIM	1	06/21/2024 20:56	M1O	A
Phenanthrene	0.40	P1,P2,P3,S2	mg/kg	0.0061	0.0013	SW846 8270E SIM	1	06/21/2024 20:56	M1O	A





## Results

Client Sample ID	SB-28 (6-8)	Collected	06/07/2024 10:45
Lab Sample ID	3363931006	Lab Receipt	06/11/2024 15:50

### SEMIVOLATILE SIM (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Pyrene	0.049	P1,P2,P3,S2	mg/kg	0.0061	0.00098	SW846 8270E SIM	1	06/21/2024 20:56	M1O	A

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
2-Methylnaphthalene-d10	7297-45-2	77.7%	50 - 150	06/21/2024 20:56	
Fluoranthene-d10	93951-69-0	103%	50 - 150	06/21/2024 20:56	

### SEMIVOLATILES

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1-Methylnaphthalene	1.3	P1,P2,P3,S2	mg/kg	0.12	0.021	SW846 8270E	1	06/21/2024 01:01	M1O	A
2-Methylnaphthalene	1.8	P1,P2,P3,S2	mg/kg	0.12	0.021	SW846 8270E	1	06/21/2024 01:01	M1O	A
Acenaphthene	0.021U	U,P1,P2,P3,S2	mg/kg	0.061	0.021	SW846 8270E	1	06/21/2024 01:01	M1O	A
Acenaphthylene	0.021U	U,P1,P2,P3,S2	mg/kg	0.061	0.021	SW846 8270E	1	06/21/2024 01:01	M1O	A
Anthracene	0.026J	J,P1,P2,P3,S2	mg/kg	0.061	0.021	SW846 8270E	1	06/21/2024 01:01	M1O	A
Benzo(a)anthracene	0.021U	U,P1,P2,P3,S2	mg/kg	0.061	0.021	SW846 8270E	1	06/21/2024 01:01	M1O	A
Benzo(a)pyrene	0.021U	U,P1,P2,P3,S2	mg/kg	0.061	0.021	SW846 8270E	1	06/21/2024 01:01	M1O	A
Benzo(b)fluoranthene	0.021U	U,P1,P2,P3,S2	mg/kg	0.061	0.021	SW846 8270E	1	06/21/2024 01:01	M1O	A
Benzo(g,h,i)perylene	0.021U	U,P1,P2,P3,S2	mg/kg	0.061	0.021	SW846 8270E	1	06/21/2024 01:01	M1O	A
Benzo(k)fluoranthene	0.021U	U,P1,P2,P3,S2	mg/kg	0.061	0.021	SW846 8270E	1	06/21/2024 01:01	M1O	A
Carbazole	0.021U	U,P1,P2,P3,S2	mg/kg	0.12	0.021	SW846 8270E	1	06/21/2024 01:01	M1O	A
Chrysene	0.021U	U,P1,P2,P3,S2	mg/kg	0.061	0.021	SW846 8270E	1	06/21/2024 01:01	M1O	A
Dibenzo(a,h)anthracene	0.021U	U,P1,P2,P3,S2	mg/kg	0.061	0.021	SW846 8270E	1	06/21/2024 01:01	M1O	A
Dibenzofuran	0.069J	J,P1,P2,P3,S2	mg/kg	0.12	0.021	SW846 8270E	1	06/21/2024 01:01	M1O	A
Fluoranthene	0.030J	J,P1,P2,P3,S2	mg/kg	0.061	0.021	SW846 8270E	1	06/21/2024 01:01	M1O	A
Fluorene	0.14	P1,P2,P3,S2	mg/kg	0.061	0.021	SW846 8270E	1	06/21/2024 01:01	M1O	A
Indeno(1,2,3-cd)pyrene	0.021U	U,P1,P2,P3,S2	mg/kg	0.061	0.021	SW846 8270E	1	06/21/2024 01:01	M1O	A
Naphthalene	0.51	P1,P2,P3,S2	mg/kg	0.061	0.021	SW846 8270E	1	06/21/2024 01:01	M1O	A
Phenanthrene	0.40	P1,P2,P3,S2	mg/kg	0.061	0.021	SW846 8270E	1	06/21/2024 01:01	M1O	A
Pyrene	0.068	P1,P2,P3,S2	mg/kg	0.061	0.021	SW846 8270E	1	06/21/2024 01:01	M1O	A

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
2-Fluorobiphenyl	321-60-8	70.4%	40 - 110	06/21/2024 01:01	
2-Fluorophenol	367-12-4	68%	26 - 116	06/21/2024 01:01	
Nitrobenzene-d5	4165-60-0	67.9%	38 - 112	06/21/2024 01:01	
Phenol-d5	4165-62-2	73.7%	35 - 111	06/21/2024 01:01	
Terphenyl-d14	98904-43-9	89%	45 - 126	06/21/2024 01:01	



**Results**

Client Sample ID	SB-28 (6-8)	Collected	06/07/2024 10:45
Lab Sample ID	3363931006	Lab Receipt	06/11/2024 15:50

**VOLATILE ORGANICS**

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1-Trichloroethane	0.15U	U,P1,P2 ,P3,S2	mg/kg	0.67	0.15	SW846 8260D	500	06/21/2024 02:04	BST	A1
1,1,2,2-Tetrachloroethane	0.23U	U,P1,P2 ,P3,S2	mg/kg	0.67	0.23	SW846 8260D	500	06/21/2024 02:04	BST	A1
1,1,2-Trichloroethane	0.22U	U,P1,P2 ,P3,S2	mg/kg	0.67	0.22	SW846 8260D	500	06/21/2024 02:04	BST	A1
1,1-Dichloroethane	0.19U	U,P1,P2 ,P3,S2	mg/kg	0.67	0.19	SW846 8260D	500	06/21/2024 02:04	BST	A1
1,1-Dichloroethene	0.19U	U,P1,P2 ,P3,S2	mg/kg	0.67	0.19	SW846 8260D	500	06/21/2024 02:04	BST	A1
1,1-Dichloropropene	0.18U	U,P1,P2 ,P3,S2	mg/kg	0.67	0.18	SW846 8260D	500	06/21/2024 02:04	BST	A1
1,2,3-Trichlorobenzene	0.62U	U,P1,P2 ,P3,S2	mg/kg	1.3	0.62	SW846 8260D	500	06/21/2024 02:04	BST	A1
1,2,3-Trichloropropane	0.40U	U,P1,P2 ,P3,S2	mg/kg	1.3	0.40	SW846 8260D	500	06/21/2024 02:04	BST	A1
1,2,4-Trichlorobenzene	0.55U	U,P1,P2 ,P3,S2	mg/kg	1.3	0.55	SW846 8260D	500	06/21/2024 02:04	BST	A1
1,2,4-Trimethylbenzene	0.17U	U,P1,P2 ,P3,S2	mg/kg	0.67	0.17	SW846 8260D	500	06/21/2024 02:04	BST	A1
1,2-Dibromo-3-chloropropane	1.0U	U,P1,P2 ,P3,S2	mg/kg	4.7	1.0	SW846 8260D	500	06/21/2024 02:04	BST	A1
1,2-Dibromoethane	0.19U	U,P1,P2 ,P3,S2	mg/kg	0.67	0.19	SW846 8260D	500	06/21/2024 02:04	BST	A1
1,2-Dichlorobenzene	0.25U	U,P1,P2 ,P3,S2	mg/kg	0.67	0.25	SW846 8260D	500	06/21/2024 02:04	BST	A1
1,2-Dichloroethane	0.21U	U,P1,P2 ,P3,S2	mg/kg	0.67	0.21	SW846 8260D	500	06/21/2024 02:04	BST	A1
1,2-Dichloropropane	0.16U	U,P1,P2 ,P3,S2	mg/kg	0.67	0.16	SW846 8260D	500	06/21/2024 02:04	BST	A1
1,3,5-Trimethylbenzene	0.13U	U,P1,P2 ,P3,S2	mg/kg	0.67	0.13	SW846 8260D	500	06/21/2024 02:04	BST	A1
1,3-Dichlorobenzene	0.17U	U,P1,P2 ,P3,S2	mg/kg	0.67	0.17	SW846 8260D	500	06/21/2024 02:04	BST	A1
1,3-Dichloropropane	0.18U	U,P1,P2 ,P3,S2	mg/kg	0.67	0.18	SW846 8260D	500	06/21/2024 02:04	BST	A1
1,4-Dichlorobenzene	0.18U	U,P1,P2 ,P3,S2	mg/kg	0.67	0.18	SW846 8260D	500	06/21/2024 02:04	BST	A1
2,2-Dichloropropane	0.21U	U,P1,P2 ,P3,S2	mg/kg	0.67	0.21	SW846 8260D	500	06/21/2024 02:04	BST	A1
2-Butanone	1.2U	U,P1,P2 ,P3,S2	mg/kg	6.7	1.2	SW846 8260D	500	06/21/2024 02:04	BST	A1
2-Hexanone	0.87U	U,P1,P2 ,P3,S2	mg/kg	3.4	0.87	SW846 8260D	500	06/21/2024 02:04	BST	A1
4-Methyl-2-Pentanone(MIBK)	12.7	P1,P2,P 3,S2	mg/kg	3.4	1.0	SW846 8260D	500	06/21/2024 02:04	BST	A1
Acetone	2.1U	U,P1,P2 ,P3,S2	mg/kg	6.7	2.1	SW846 8260D	500	06/21/2024 02:04	BST	A1
Benzene	0.15U	U,P1,P2 ,P3,S2	mg/kg	0.67	0.15	SW846 8260D	500	06/21/2024 02:04	BST	A1
Bromobenzene	0.21U	U,P1,P2 ,P3,S2	mg/kg	0.67	0.21	SW846 8260D	500	06/21/2024 02:04	BST	A1
Bromochloromethane	0.21U	U,P1,P2 ,P3,S2	mg/kg	0.67	0.21	SW846 8260D	500	06/21/2024 02:04	BST	A1
Bromodichloromethane	0.18U	U,P1,P2 ,P3,S2	mg/kg	0.67	0.18	SW846 8260D	500	06/21/2024 02:04	BST	A1
Bromoform	0.27U	U,P1,P2 ,P3,S2	mg/kg	0.67	0.27	SW846 8260D	500	06/21/2024 02:04	BST	A1
Bromomethane	0.26U	U,P1,P2 ,P3,S2	mg/kg	0.67	0.26	SW846 8260D	500	06/21/2024 02:04	BST	A1
Carbon Disulfide	0.15U	U,P1,P2 ,P3,S2	mg/kg	0.67	0.15	SW846 8260D	500	06/21/2024 02:04	BST	A1
Carbon Tetrachloride	0.21U	U,19,P1, P2,P3,S 2	mg/kg	0.67	0.21	SW846 8260D	500	06/21/2024 02:04	BST	A1
Chlorobenzene	0.13U	U,P1,P2 ,P3,S2	mg/kg	0.67	0.13	SW846 8260D	500	06/21/2024 02:04	BST	A1
Chlorodibromomethane	0.30U	U,P1,P2 ,P3,S2	mg/kg	0.67	0.30	SW846 8260D	500	06/21/2024 02:04	BST	A1
Chloroethane	0.22U	U,P1,P2 ,P3,S2	mg/kg	0.67	0.22	SW846 8260D	500	06/21/2024 02:04	BST	A1

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**Results**

Client Sample ID	SB-28 (6-8)	Collected	06/07/2024 10:45
Lab Sample ID	3363931006	Lab Receipt	06/11/2024 15:50

**VOLATILE ORGANICS (cont.)**

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Chloroform	0.14U	U,P1,P2 ,P3,S2	mg/kg	0.67	0.14	SW846 8260D	500	06/21/2024 02:04	BST	A1
Chloromethane	0.21U	U,P1,P2 ,P3,S2	mg/kg	0.67	0.21	SW846 8260D	500	06/21/2024 02:04	BST	A1
cis-1,2-Dichloroethene	0.21U	U,P1,P2 ,P3,S2	mg/kg	0.67	0.21	SW846 8260D	500	06/21/2024 02:04	BST	A1
cis-1,3-Dichloropropene	0.21U	U,P1,P2 ,P3,S2	mg/kg	0.67	0.21	SW846 8260D	500	06/21/2024 02:04	BST	A1
Dibromomethane	0.21U	U,P1,P2 ,P3,S2	mg/kg	0.67	0.21	SW846 8260D	500	06/21/2024 02:04	BST	A1
Dichlorodifluoromethane	0.22U	U,P1,P2 ,P3,S2	mg/kg	0.67	0.22	SW846 8260D	500	06/21/2024 02:04	BST	A1
Ethylbenzene	0.23U	U,P1,P2 ,P3,S2	mg/kg	0.67	0.23	SW846 8260D	500	06/21/2024 02:04	BST	A1
Freon 113	0.17U	U,P1,P2 ,P3,S2	mg/kg	0.67	0.17	SW846 8260D	500	06/21/2024 02:04	BST	A1
Hexachlorobutadiene	0.67U	U,P1,P2 ,P3,S2	mg/kg	3.4	0.67	SW846 8260D	500	06/21/2024 02:04	BST	A1
Isopropylbenzene	2.1	P1,P2,P 3,S2	mg/kg	0.67	0.15	SW846 8260D	500	06/21/2024 02:04	BST	A1
Methyl t-Butyl Ether	0.22U	U,P1,P2 ,P3,S2	mg/kg	0.67	0.22	SW846 8260D	500	06/21/2024 02:04	BST	A1
Methylene Chloride	0.30U	U,P1,P2 ,P3,S2	mg/kg	0.67	0.30	SW846 8260D	500	06/21/2024 02:04	BST	A1
mp-Xylene	0.53J	J,P1,P2 P3,S2	mg/kg	1.3	0.35	SW846 8260D	500	06/21/2024 02:04	BST	A1
Naphthalene	6.0	P1,P2,P 3,S2	mg/kg	1.3	0.23	SW846 8260D	500	06/21/2024 02:04	BST	A1
n-Butylbenzene	2.6	P1,P2,P 3,S2	mg/kg	1.3	0.40	SW846 8260D	500	06/21/2024 02:04	BST	A1
n-Propylbenzene	5.1	P1,P2,P 3,S2	mg/kg	0.67	0.22	SW846 8260D	500	06/21/2024 02:04	BST	A1
o-Chlorotoluene	0.17U	U,P1,P2 ,P3,S2	mg/kg	0.67	0.17	SW846 8260D	500	06/21/2024 02:04	BST	A1
o-Xylene	0.22U	U,P1,P2 ,P3,S2	mg/kg	0.67	0.22	SW846 8260D	500	06/21/2024 02:04	BST	A1
p-Chlorotoluene	0.22U	U,P1,P2 ,P3,S2	mg/kg	0.67	0.22	SW846 8260D	500	06/21/2024 02:04	BST	A1
p-Isopropyltoluene	0.21U	U,P1,P2 ,P3,S2	mg/kg	0.67	0.21	SW846 8260D	500	06/21/2024 02:04	BST	A1
sec-Butylbenzene	1.2	P1,P2,P 3,S2	mg/kg	0.67	0.21	SW846 8260D	500	06/21/2024 02:04	BST	A1
Styrene	0.16U	U,P1,P2 ,P3,S2	mg/kg	0.67	0.16	SW846 8260D	500	06/21/2024 02:04	BST	A1
tert-Butylbenzene	0.29U	U,P1,P2 ,P3,S2	mg/kg	1.3	0.29	SW846 8260D	500	06/21/2024 02:04	BST	A1
Tetrachloroethene	0.23U	U,P1,P2 ,P3,S2	mg/kg	0.67	0.23	SW846 8260D	500	06/21/2024 02:04	BST	A1
Toluene	0.15U	U,P1,P2 ,P3,S2	mg/kg	0.67	0.15	SW846 8260D	500	06/21/2024 02:04	BST	A1
Total Xylenes	0.53J	J,P1,P2 P3,S2	mg/kg	2.0	0.44	SW846 8260D	500	06/21/2024 02:04	BST	A1
trans-1,2-Dichloroethene	0.17U	U,P1,P2 ,P3,S2	mg/kg	0.67	0.17	SW846 8260D	500	06/21/2024 02:04	BST	A1
trans-1,3-Dichloropropene	0.19U	U,P1,P2 ,P3,S2	mg/kg	0.67	0.19	SW846 8260D	500	06/21/2024 02:04	BST	A1
Trichloroethene	0.22U	U,P1,P2 ,P3,S2	mg/kg	0.67	0.22	SW846 8260D	500	06/21/2024 02:04	BST	A1
Trichlorofluoromethane	0.16U	U,P1,P2 ,P3,S2	mg/kg	0.67	0.16	SW846 8260D	500	06/21/2024 02:04	BST	A1
Vinyl Chloride	0.20U	U,P1,P2 ,P3,S2	mg/kg	0.67	0.20	SW846 8260D	500	06/21/2024 02:04	BST	A1

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## Results

Client Sample ID	SB-28 (6-8)	Collected	06/07/2024 10:45
Lab Sample ID	3363931006	Lab Receipt	06/11/2024 15:50

### VOLATILE ORGANICS (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
<i>SURROGATES</i>										
Compound	CAS No			Recovery		Limits(%)		Analysis Date/Time		Qualifiers
1,2-Dichloroethane-d4	17060-07-0			99.2%		71 - 146		06/21/2024 02:04		
4-Bromofluorobenzene	460-00-4			100%		46 - 138		06/21/2024 02:04		
Dibromofluoromethane	1868-53-7			85%		42 - 143		06/21/2024 02:04		
Toluene-d8	2037-26-5			100%		54 - 141		06/21/2024 02:04		

### WET CHEMISTRY

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Moisture	21.5	P1,P2,P3,S2	%	0.1	0.01	S2540G-11	1	06/13/2024 14:19	J1K	A
Total Solids	78.5	P1,P2,P3,S2	%	0.1	0.01	S2540G-11	1	06/13/2024 14:19	J1K	A

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## Results

Client Sample ID	SB-27 (4-6)	Collected	06/07/2024 12:15
Lab Sample ID	3363931007	Lab Receipt	06/11/2024 15:50

### GASOLINE RANGE ORGANICS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Gasoline Range Organics	4.7J	J,P1,P2,P3	mg/kg	12.4	2.1	SW846 8015D	100	06/21/2024 02:56	JTH	A1

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
a,a,a-Trifluorotoluene	98-08-8	84.4%	72 - 134	06/21/2024 02:56	

### PETROLEUM HC's

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Diesel Range Organics C10-C28	11.6J	J,P1,P2,P3	mg/kg	13.0	3.6	SW846 8015D	1	06/21/2024 02:16	AJW	A

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
o-Terphenyl	84-15-1	88.9%	36 - 122	06/21/2024 02:16	

### SEMIVOLATILE SIM

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,4-Dioxane	0.0029U	U,P1,P2,P3	mg/kg	0.0058	0.0029	SW846 8270E SIM	1	06/21/2024 21:23	M1O	A
1-Methylnaphthalene	0.027	P1,P2,P3	mg/kg	0.0058	0.0011	SW846 8270E SIM	1	06/21/2024 21:23	M1O	A
2-Methylnaphthalene	0.047	P1,P2,P3	mg/kg	0.0058	0.0015	SW846 8270E SIM	1	06/21/2024 21:23	M1O	A
Acenaphthene	0.021	P1,P2,P3	mg/kg	0.0058	0.0011	SW846 8270E SIM	1	06/21/2024 21:23	M1O	A
Acenaphthylene	0.0011U	U,P1,P2,P3	mg/kg	0.0058	0.0011	SW846 8270E SIM	1	06/21/2024 21:23	M1O	A
Anthracene	0.0039J	J,P1,P2,P3	mg/kg	0.0058	0.00094	SW846 8270E SIM	1	06/21/2024 21:23	M1O	A
Benzo(a)anthracene	0.0031J	J,P1,P2,P3	mg/kg	0.0058	0.00094	SW846 8270E SIM	1	06/21/2024 21:23	M1O	A
Benzo(a)pyrene	0.0039J	J,P1,P2,P3	mg/kg	0.0058	0.00094	SW846 8270E SIM	1	06/21/2024 21:23	M1O	A
Benzo(b)fluoranthene	0.0053J	J,P1,P2,P3	mg/kg	0.0058	0.00094	SW846 8270E SIM	1	06/21/2024 21:23	M1O	A
Benzo(g,h,i)perylene	0.0062	P1,P2,P3	mg/kg	0.0058	0.0012	SW846 8270E SIM	1	06/21/2024 21:23	M1O	A
Benzo(k)fluoranthene	0.0047J	J,P1,P2,P3	mg/kg	0.0058	0.0011	SW846 8270E SIM	1	06/21/2024 21:23	M1O	A
Chrysene	0.0040J	J,P1,P2,P3	mg/kg	0.0058	0.0011	SW846 8270E SIM	1	06/21/2024 21:23	M1O	A
Dibenzo(a,h)anthracene	0.0048J	J,P1,P2,P3	mg/kg	0.0058	0.00082	SW846 8270E SIM	1	06/21/2024 21:23	M1O	A
Fluoranthene	0.0093	P1,P2,P3	mg/kg	0.0058	0.0011	SW846 8270E SIM	1	06/21/2024 21:23	M1O	A
Fluorene	0.014	P1,P2,P3	mg/kg	0.0058	0.0012	SW846 8270E SIM	1	06/21/2024 21:23	M1O	A
Indeno(1,2,3-cd)pyrene	0.00094U	U,P1,P2,P3	mg/kg	0.0058	0.00094	SW846 8270E SIM	1	06/21/2024 21:23	M1O	A
Naphthalene	0.12	P1,P2,P3	mg/kg	0.0058	0.0013	SW846 8270E SIM	1	06/21/2024 21:23	M1O	A
Phenanthrene	0.037	P1,P2,P3	mg/kg	0.0058	0.0013	SW846 8270E SIM	1	06/21/2024 21:23	M1O	A



## Results

Client Sample ID	SB-27 (4-6)	Collected	06/07/2024 12:15
Lab Sample ID	3363931007	Lab Receipt	06/11/2024 15:50

### SEMIVOLATILE SIM (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Pyrene	0.0068	P1,P2,P3	mg/kg	0.0058	0.00094	SW846 8270E SIM	1	06/21/2024 21:23	M1O	A

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
2-Methylnaphthalene-d10	7297-45-2	78.3%	50 - 150	06/21/2024 21:23	
Fluoranthene-d10	93951-69-0	85.7%	50 - 150	06/21/2024 21:23	

### SEMIVOLATILES

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1-Methylnaphthalene	0.025J	J,P1,P2,P3	mg/kg	0.12	0.020	SW846 8270E	1	06/21/2024 01:27	M1O	A
2-Methylnaphthalene	0.049J	J,P1,P2,P3	mg/kg	0.12	0.020	SW846 8270E	1	06/21/2024 01:27	M1O	A
Acenaphthene	0.022J	J,P1,P2,P3	mg/kg	0.058	0.020	SW846 8270E	1	06/21/2024 01:27	M1O	A
Acenaphthylene	0.020U	U,P1,P2,P3	mg/kg	0.058	0.020	SW846 8270E	1	06/21/2024 01:27	M1O	A
Anthracene	0.020U	U,P1,P2,P3	mg/kg	0.058	0.020	SW846 8270E	1	06/21/2024 01:27	M1O	A
Benzo(a)anthracene	0.020U	U,P1,P2,P3	mg/kg	0.058	0.020	SW846 8270E	1	06/21/2024 01:27	M1O	A
Benzo(a)pyrene	0.020U	U,P1,P2,P3	mg/kg	0.058	0.020	SW846 8270E	1	06/21/2024 01:27	M1O	A
Benzo(b)fluoranthene	0.020U	U,P1,P2,P3	mg/kg	0.058	0.020	SW846 8270E	1	06/21/2024 01:27	M1O	A
Benzo(g,h,i)perylene	0.020U	U,P1,P2,P3	mg/kg	0.058	0.020	SW846 8270E	1	06/21/2024 01:27	M1O	A
Benzo(k)fluoranthene	0.020U	U,P1,P2,P3	mg/kg	0.058	0.020	SW846 8270E	1	06/21/2024 01:27	M1O	A
Carbazole	0.020U	U,P1,P2,P3	mg/kg	0.12	0.020	SW846 8270E	1	06/21/2024 01:27	M1O	A
Chrysene	0.020U	U,P1,P2,P3	mg/kg	0.058	0.020	SW846 8270E	1	06/21/2024 01:27	M1O	A
Dibenzo(a,h)anthracene	0.020U	U,P1,P2,P3	mg/kg	0.058	0.020	SW846 8270E	1	06/21/2024 01:27	M1O	A
Dibenzofuran	0.021J	J,P1,P2,P3	mg/kg	0.12	0.020	SW846 8270E	1	06/21/2024 01:27	M1O	A
Fluoranthene	0.020U	U,P1,P2,P3	mg/kg	0.058	0.020	SW846 8270E	1	06/21/2024 01:27	M1O	A
Fluorene	0.020U	U,P1,P2,P3	mg/kg	0.058	0.020	SW846 8270E	1	06/21/2024 01:27	M1O	A
Indeno(1,2,3-cd)pyrene	0.020U	U,P1,P2,P3	mg/kg	0.058	0.020	SW846 8270E	1	06/21/2024 01:27	M1O	A
Naphthalene	0.12	P1,P2,P3	mg/kg	0.058	0.020	SW846 8270E	1	06/21/2024 01:27	M1O	A
Phenanthrene	0.040J	J,P1,P2,P3	mg/kg	0.058	0.020	SW846 8270E	1	06/21/2024 01:27	M1O	A
Pyrene	0.020U	U,P1,P2,P3	mg/kg	0.058	0.020	SW846 8270E	1	06/21/2024 01:27	M1O	A

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
2-Fluorobiphenyl	321-60-8	69.9%	40 - 110	06/21/2024 01:27	
2-Fluorophenol	367-12-4	68.6%	26 - 116	06/21/2024 01:27	
Nitrobenzene-d5	4165-60-0	70.4%	38 - 112	06/21/2024 01:27	
Phenol-d5	4165-62-2	74.6%	35 - 111	06/21/2024 01:27	
Terphenyl-d14	98904-43-9	94.7%	45 - 126	06/21/2024 01:27	



**Results**

Client Sample ID	SB-27 (4-6)	Collected	06/07/2024 12:15
Lab Sample ID	3363931007	Lab Receipt	06/11/2024 15:50

**VOLATILE ORGANICS**

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1-Trichloroethane	0.00079U	U,P1,P2,P3	mg/kg	0.0026	0.00079	SW846 8260D	1	06/19/2024 14:11	TMP	A2
1,1,2,2-Tetrachloroethane	0.00072U	U,P1,P2,P3	mg/kg	0.0026	0.00072	SW846 8260D	1	06/19/2024 14:11	TMP	A2
1,1,2-Trichloroethane	0.00072U	U,P1,P2,P3	mg/kg	0.0026	0.00072	SW846 8260D	1	06/19/2024 14:11	TMP	A2
1,1-Dichloroethane	0.00064U	U,P1,P2,P3	mg/kg	0.0026	0.00064	SW846 8260D	1	06/19/2024 14:11	TMP	A2
1,1-Dichloroethene	0.00066U	U,P1,P2,P3	mg/kg	0.0026	0.00066	SW846 8260D	1	06/19/2024 14:11	TMP	A2
1,1-Dichloropropene	0.00064U	U,P1,P2,P3	mg/kg	0.0026	0.00064	SW846 8260D	1	06/19/2024 14:11	TMP	A2
1,2,3-Trichlorobenzene	0.00064U	U,P1,P2,P3	mg/kg	0.0064	0.00064	SW846 8260D	1	06/19/2024 14:11	TMP	A2
1,2,3-Trichloropropane	0.00064U	U,P1,P2,P3	mg/kg	0.0026	0.00064	SW846 8260D	1	06/19/2024 14:11	TMP	A2
1,2,4-Trichlorobenzene	0.00064U	U,P1,P2,P3	mg/kg	0.0064	0.00064	SW846 8260D	1	06/19/2024 14:11	TMP	A2
1,2,4-Trimethylbenzene	0.00064U	U,P1,P2,P3	mg/kg	0.0026	0.00064	SW846 8260D	1	06/19/2024 14:11	TMP	A2
1,2-Dibromo-3-chloropropane	0.00032U	U,P1,P2,P3	mg/kg	0.0026	0.00032	SW846 8260D	1	06/19/2024 14:11	TMP	A2
1,2-Dibromoethane	0.00069U	U,P1,P2,P3	mg/kg	0.0026	0.00069	SW846 8260D	1	06/19/2024 14:11	TMP	A2
1,2-Dichlorobenzene	0.00064U	U,P1,P2,P3	mg/kg	0.0026	0.00064	SW846 8260D	1	06/19/2024 14:11	TMP	A2
1,2-Dichloroethane	0.00064U	U,P1,P2,P3	mg/kg	0.0026	0.00064	SW846 8260D	1	06/19/2024 14:11	TMP	A2
1,2-Dichloropropane	0.00077U	U,P1,P2,P3	mg/kg	0.0026	0.00077	SW846 8260D	1	06/19/2024 14:11	TMP	A2
1,3,5-Trimethylbenzene	0.00064U	U,P1,P2,P3	mg/kg	0.0026	0.00064	SW846 8260D	1	06/19/2024 14:11	TMP	A2
1,3-Dichlorobenzene	0.00064U	U,P1,P2,P3	mg/kg	0.0026	0.00064	SW846 8260D	1	06/19/2024 14:11	TMP	A2
1,3-Dichloropropane	0.0011U	U,P1,P2,P3	mg/kg	0.0026	0.0011	SW846 8260D	1	06/19/2024 14:11	TMP	A2
1,4-Dichlorobenzene	0.00064U	U,P1,P2,P3	mg/kg	0.0026	0.00064	SW846 8260D	1	06/19/2024 14:11	TMP	A2
2,2-Dichloropropane	0.00064U	U,P1,P2,P3	mg/kg	0.0026	0.00064	SW846 8260D	1	06/19/2024 14:11	TMP	A2
2-Butanone	0.013	P1,P2,P3	mg/kg	0.013	0.0041	SW846 8260D	1	06/19/2024 14:11	TMP	A2
2-Hexanone	0.0036U	U,P1,P2,P3	mg/kg	0.013	0.0036	SW846 8260D	1	06/19/2024 14:11	TMP	A2
4-Methyl-2-Pentanone(MIBK)	0.0049U	U,P1,P2,P3	mg/kg	0.013	0.0049	SW846 8260D	1	06/19/2024 14:11	TMP	A2
Acetone	0.085	P1,P2,P3	mg/kg	0.013	0.0059	SW846 8260D	1	06/19/2024 14:11	TMP	A2
Benzene	0.00070J	J,P1,P2,P3	mg/kg	0.0026	0.00064	SW846 8260D	1	06/19/2024 14:11	TMP	A2
Bromobenzene	0.00064U	U,P1,P2,P3	mg/kg	0.0026	0.00064	SW846 8260D	1	06/19/2024 14:11	TMP	A2
Bromochloromethane	0.00064U	U,P1,P2,P3	mg/kg	0.0026	0.00064	SW846 8260D	1	06/19/2024 14:11	TMP	A2
Bromodichloromethane	0.00091U	U,P1,P2,P3	mg/kg	0.0026	0.00091	SW846 8260D	1	06/19/2024 14:11	TMP	A2
Bromoform	0.00066U	U,P1,P2,P3	mg/kg	0.0026	0.00066	SW846 8260D	1	06/19/2024 14:11	TMP	A2
Bromomethane	0.00066U	U,2,3,4,P1,P2,P3	mg/kg	0.0026	0.00066	SW846 8260D	1	06/19/2024 14:11	TMP	A2
Carbon Disulfide	0.00080U	U,P1,P2,P3	mg/kg	0.0026	0.00080	SW846 8260D	1	06/19/2024 14:11	TMP	A2
Carbon Tetrachloride	0.00065U	U,P1,P2,P3	mg/kg	0.0026	0.00065	SW846 8260D	1	06/19/2024 14:11	TMP	A2
Chlorobenzene	0.00065U	U,P1,P2,P3	mg/kg	0.0026	0.00065	SW846 8260D	1	06/19/2024 14:11	TMP	A2
Chlorodibromomethane	0.00087U	U,P1,P2,P3	mg/kg	0.0026	0.00087	SW846 8260D	1	06/19/2024 14:11	TMP	A2
Chloroethane	0.0011U	U,P1,P2,P3	mg/kg	0.0064	0.0011	SW846 8260D	1	06/19/2024 14:11	TMP	A2

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**Results**

Client Sample ID	SB-27 (4-6)	Collected	06/07/2024 12:15
Lab Sample ID	3363931007	Lab Receipt	06/11/2024 15:50

**VOLATILE ORGANICS (cont.)**

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Chloroform	0.00068U	U,P1,P2,P3	mg/kg	0.0026	0.00068	SW846 8260D	1	06/19/2024 14:11	TMP	A2
Chloromethane	0.00070U	U,P1,P2,P3	mg/kg	0.0026	0.00070	SW846 8260D	1	06/19/2024 14:11	TMP	A2
cis-1,2-Dichloroethene	0.00064U	U,P1,P2,P3	mg/kg	0.0026	0.00064	SW846 8260D	1	06/19/2024 14:11	TMP	A2
cis-1,3-Dichloropropene	0.00070U	U,P1,P2,P3	mg/kg	0.0026	0.00070	SW846 8260D	1	06/19/2024 14:11	TMP	A2
Dibromomethane	0.00092U	U,P1,P2,P3	mg/kg	0.0026	0.00092	SW846 8260D	1	06/19/2024 14:11	TMP	A2
Dichlorodifluoromethane	0.00086U	U,P1,P2,P3	mg/kg	0.0026	0.00086	SW846 8260D	1	06/19/2024 14:11	TMP	A2
Ethylbenzene	0.00087U	U,P1,P2,P3	mg/kg	0.0026	0.00087	SW846 8260D	1	06/19/2024 14:11	TMP	A2
Freon 113	0.00064U	U,5,7,P1,P2,P3	mg/kg	0.0026	0.00064	SW846 8260D	1	06/19/2024 14:11	TMP	A2
Hexachlorobutadiene	0.00064U	U,P1,P2,P3	mg/kg	0.0064	0.00064	SW846 8260D	1	06/19/2024 14:11	TMP	A2
Isopropylbenzene	0.00078U	U,P1,P2,P3	mg/kg	0.0026	0.00078	SW846 8260D	1	06/19/2024 14:11	TMP	A2
Methyl t-Butyl Ether	0.00064U	U,P1,P2,P3	mg/kg	0.0026	0.00064	SW846 8260D	1	06/19/2024 14:11	TMP	A2
Methylene Chloride	0.0013J	J,P1,P2,P3	mg/kg	0.0026	0.0010	SW846 8260D	1	06/19/2024 14:11	TMP	A2
mp-Xylene	0.0011U	U,P1,P2,P3	mg/kg	0.0051	0.0011	SW846 8260D	1	06/19/2024 14:11	TMP	A2
Naphthalene	0.00064U	U,P1,P2,P3	mg/kg	0.0026	0.00064	SW846 8260D	1	06/19/2024 14:11	TMP	A2
n-Butylbenzene	0.00064U	U,P1,P2,P3	mg/kg	0.0026	0.00064	SW846 8260D	1	06/19/2024 14:11	TMP	A2
n-Propylbenzene	0.00064U	U,P1,P2,P3	mg/kg	0.0026	0.00064	SW846 8260D	1	06/19/2024 14:11	TMP	A2
o-Chlorotoluene	0.00064U	U,P1,P2,P3	mg/kg	0.0026	0.00064	SW846 8260D	1	06/19/2024 14:11	TMP	A2
o-Xylene	0.00074U	U,P1,P2,P3	mg/kg	0.0026	0.00074	SW846 8260D	1	06/19/2024 14:11	TMP	A2
p-Chlorotoluene	0.00064U	U,P1,P2,P3	mg/kg	0.0026	0.00064	SW846 8260D	1	06/19/2024 14:11	TMP	A2
p-Isopropyltoluene	0.00064U	U,P1,P2,P3	mg/kg	0.0026	0.00064	SW846 8260D	1	06/19/2024 14:11	TMP	A2
sec-Butylbenzene	0.00087J	J,P1,P2,P3	mg/kg	0.0026	0.00064	SW846 8260D	1	06/19/2024 14:11	TMP	A2
Styrene	0.00064U	U,P1,P2,P3	mg/kg	0.0026	0.00064	SW846 8260D	1	06/19/2024 14:11	TMP	A2
tert-Butylbenzene	0.00070U	U,P1,P2,P3	mg/kg	0.0026	0.00070	SW846 8260D	1	06/19/2024 14:11	TMP	A2
Tetrachloroethene	0.00077U	U,8,P1,P2,P3	mg/kg	0.0026	0.00077	SW846 8260D	1	06/19/2024 14:11	TMP	A2
Toluene	0.00086U	U,P1,P2,P3	mg/kg	0.0026	0.00086	SW846 8260D	1	06/19/2024 14:11	TMP	A2
Total Xylenes	0.0018U	U,P1,P2,P3	mg/kg	0.0077	0.0018	SW846 8260D	1	06/19/2024 14:11	TMP	A2
trans-1,2-Dichloroethene	0.00066U	U,P1,P2,P3	mg/kg	0.0026	0.00066	SW846 8260D	1	06/19/2024 14:11	TMP	A2
trans-1,3-Dichloropropene	0.00074U	U,P1,P2,P3	mg/kg	0.0026	0.00074	SW846 8260D	1	06/19/2024 14:11	TMP	A2
Trichloroethene	0.00064U	U,P1,P2,P3	mg/kg	0.0026	0.00064	SW846 8260D	1	06/19/2024 14:11	TMP	A2
Trichlorofluoromethane	0.00064U	U,P1,P2,P3	mg/kg	0.0026	0.00064	SW846 8260D	1	06/19/2024 14:11	TMP	A2
Vinyl Chloride	0.00064U	U,P1,P2,P3	mg/kg	0.0026	0.00064	SW846 8260D	1	06/19/2024 14:11	TMP	A2

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## Results

Client Sample ID	SB-27 (4-6)	Collected	06/07/2024 12:15
Lab Sample ID	3363931007	Lab Receipt	06/11/2024 15:50

### VOLATILE ORGANICS (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
<i>SURROGATES</i>										
Compound	CAS No			Recovery		Limits(%)		Analysis Date/Time		Qualifiers
1,2-Dichloroethane-d4	17060-07-0			117%		56 – 124		06/19/2024 14:11		
4-Bromofluorobenzene	460-00-4			92.6%		51 – 128		06/19/2024 14:11		
Dibromofluoromethane	1868-53-7			99.8%		62 – 123		06/19/2024 14:11		
Toluene-d8	2037-26-5			92.7%		59 – 131		06/19/2024 14:11		

### WET CHEMISTRY

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Moisture	20.8	P1,P2,P3	%	0.1	0.01	S2540G-11	1	06/13/2024 17:05	E1R	A
Total Solids	79.2	P1,P2,P3	%	0.1	0.01	S2540G-11	1	06/13/2024 17:05	E1R	A

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## Results

Client Sample ID	SB-27 (6-8)	Collected	06/07/2024 12:15
Lab Sample ID	3363931008	Lab Receipt	06/11/2024 15:50

### GASOLINE RANGE ORGANICS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Gasoline Range Organics	9.0J	J,P1,P2, P3	mg/kg	12.8	2.2	SW846 8015D	100	06/18/2024 22:08	JTH	A1

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
a,a,a-Trifluorotoluene	98-08-8	90.1%	72 - 134	06/18/2024 22:08	

### PETROLEUM HC's

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Diesel Range Organics C10-C28	10J	J,P1,P2, P3	mg/kg	12.9	3.5	SW846 8015D	1	06/21/2024 02:48	AJW	A

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
o-Terphenyl	84-15-1	78%	36 - 122	06/21/2024 02:48	

### SEMIVOLATILE SIM

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,4-Dioxane	0.0030U	U,P1,P2, ,P3	mg/kg	0.0060	0.0030	SW846 8270E SIM	1	06/21/2024 21:50	M1O	A
1-Methylnaphthalene	0.0011U	U,P1,P2, ,P3	mg/kg	0.0060	0.0011	SW846 8270E SIM	1	06/21/2024 21:50	M1O	A
2-Methylnaphthalene	0.0016U	U,P1,P2, ,P3	mg/kg	0.0060	0.0016	SW846 8270E SIM	1	06/21/2024 21:50	M1O	A
Acenaphthene	0.0011U	U,P1,P2, ,P3	mg/kg	0.0060	0.0011	SW846 8270E SIM	1	06/21/2024 21:50	M1O	A
Acenaphthylene	0.0011U	U,P1,P2, ,P3	mg/kg	0.0060	0.0011	SW846 8270E SIM	1	06/21/2024 21:50	M1O	A
Anthracene	0.00096U	U,P1,P2, ,P3	mg/kg	0.0060	0.00096	SW846 8270E SIM	1	06/21/2024 21:50	M1O	A
Benzo(a)anthracene	0.00096U	U,P1,P2, ,P3	mg/kg	0.0060	0.00096	SW846 8270E SIM	1	06/21/2024 21:50	M1O	A
Benzo(a)pyrene	0.00096U	U,P1,P2, ,P3	mg/kg	0.0060	0.00096	SW846 8270E SIM	1	06/21/2024 21:50	M1O	A
Benzo(b)fluoranthene	0.00096U	U,P1,P2, ,P3	mg/kg	0.0060	0.00096	SW846 8270E SIM	1	06/21/2024 21:50	M1O	A
Benzo(g,h,i)perylene	0.0012U	U,P1,P2, ,P3	mg/kg	0.0060	0.0012	SW846 8270E SIM	1	06/21/2024 21:50	M1O	A
Benzo(k)fluoranthene	0.0011U	U,P1,P2, ,P3	mg/kg	0.0060	0.0011	SW846 8270E SIM	1	06/21/2024 21:50	M1O	A
Chrysene	0.0011U	U,P1,P2, ,P3	mg/kg	0.0060	0.0011	SW846 8270E SIM	1	06/21/2024 21:50	M1O	A
Dibenzo(a,h)anthracene	0.00084U	U,P1,P2, ,P3	mg/kg	0.0060	0.00084	SW846 8270E SIM	1	06/21/2024 21:50	M1O	A
Fluoranthene	0.0011U	U,P1,P2, ,P3	mg/kg	0.0060	0.0011	SW846 8270E SIM	1	06/21/2024 21:50	M1O	A
Fluorene	0.0012U	U,P1,P2, ,P3	mg/kg	0.0060	0.0012	SW846 8270E SIM	1	06/21/2024 21:50	M1O	A
Indeno(1,2,3-cd)pyrene	0.00096U	U,P1,P2, ,P3	mg/kg	0.0060	0.00096	SW846 8270E SIM	1	06/21/2024 21:50	M1O	A
Naphthalene	0.0028J	J,P1,P2, P3	mg/kg	0.0060	0.0013	SW846 8270E SIM	1	06/21/2024 21:50	M1O	A
Phenanthrene	0.0013U	U,P1,P2, ,P3	mg/kg	0.0060	0.0013	SW846 8270E SIM	1	06/21/2024 21:50	M1O	A



## Results

Client Sample ID	SB-27 (6-8)	Collected	06/07/2024 12:15
Lab Sample ID	3363931008	Lab Receipt	06/11/2024 15:50

### SEMIVOLATILE SIM (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Pyrene	0.00096U	U,P1,P2 ,P3	mg/kg	0.0060	0.00096	SW846 8270E SIM	1	06/21/2024 21:50	M1O	A

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
2-Methylnaphthalene-d10	7297-45-2	84.7%	50 - 150	06/21/2024 21:50	
Fluoranthene-d10	93951-69-0	91.6%	50 - 150	06/21/2024 21:50	

### SEMIVOLATILES

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1-Methylnaphthalene	0.020U	U,P1,P2 ,P3	mg/kg	0.12	0.020	SW846 8270E	1	06/21/2024 01:52	M1O	A
2-Methylnaphthalene	0.020U	U,P1,P2 ,P3	mg/kg	0.12	0.020	SW846 8270E	1	06/21/2024 01:52	M1O	A
Acenaphthene	0.020U	U,P1,P2 ,P3	mg/kg	0.060	0.020	SW846 8270E	1	06/21/2024 01:52	M1O	A
Acenaphthylene	0.020U	U,P1,P2 ,P3	mg/kg	0.060	0.020	SW846 8270E	1	06/21/2024 01:52	M1O	A
Anthracene	0.020U	U,P1,P2 ,P3	mg/kg	0.060	0.020	SW846 8270E	1	06/21/2024 01:52	M1O	A
Benzo(a)anthracene	0.020U	U,P1,P2 ,P3	mg/kg	0.060	0.020	SW846 8270E	1	06/21/2024 01:52	M1O	A
Benzo(a)pyrene	0.020U	U,P1,P2 ,P3	mg/kg	0.060	0.020	SW846 8270E	1	06/21/2024 01:52	M1O	A
Benzo(b)fluoranthene	0.020U	U,P1,P2 ,P3	mg/kg	0.060	0.020	SW846 8270E	1	06/21/2024 01:52	M1O	A
Benzo(g,h,i)perylene	0.020U	U,P1,P2 ,P3	mg/kg	0.060	0.020	SW846 8270E	1	06/21/2024 01:52	M1O	A
Benzo(k)fluoranthene	0.020U	U,P1,P2 ,P3	mg/kg	0.060	0.020	SW846 8270E	1	06/21/2024 01:52	M1O	A
Carbazole	0.020U	U,P1,P2 ,P3	mg/kg	0.12	0.020	SW846 8270E	1	06/21/2024 01:52	M1O	A
Chrysene	0.020U	U,P1,P2 ,P3	mg/kg	0.060	0.020	SW846 8270E	1	06/21/2024 01:52	M1O	A
Dibenzo(a,h)anthracene	0.020U	U,P1,P2 ,P3	mg/kg	0.060	0.020	SW846 8270E	1	06/21/2024 01:52	M1O	A
Dibenzofuran	0.020U	U,P1,P2 ,P3	mg/kg	0.12	0.020	SW846 8270E	1	06/21/2024 01:52	M1O	A
Fluoranthene	0.020U	U,P1,P2 ,P3	mg/kg	0.060	0.020	SW846 8270E	1	06/21/2024 01:52	M1O	A
Fluorene	0.020U	U,P1,P2 ,P3	mg/kg	0.060	0.020	SW846 8270E	1	06/21/2024 01:52	M1O	A
Indeno(1,2,3-cd)pyrene	0.020U	U,P1,P2 ,P3	mg/kg	0.060	0.020	SW846 8270E	1	06/21/2024 01:52	M1O	A
Naphthalene	0.020U	U,P1,P2 ,P3	mg/kg	0.060	0.020	SW846 8270E	1	06/21/2024 01:52	M1O	A
Phenanthrene	0.020U	U,P1,P2 ,P3	mg/kg	0.060	0.020	SW846 8270E	1	06/21/2024 01:52	M1O	A
Pyrene	0.020U	U,P1,P2 ,P3	mg/kg	0.060	0.020	SW846 8270E	1	06/21/2024 01:52	M1O	A

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
2-Fluorobiphenyl	321-60-8	71.5%	40 - 110	06/21/2024 01:52	
2-Fluorophenol	367-12-4	69.1%	26 - 116	06/21/2024 01:52	
Nitrobenzene-d5	4165-60-0	69.8%	38 - 112	06/21/2024 01:52	
Phenol-d5	4165-62-2	75.5%	35 - 111	06/21/2024 01:52	
Terphenyl-d14	98904-43-9	93.4%	45 - 126	06/21/2024 01:52	



**Results**

Client Sample ID	SB-27 (6-8)	Collected	06/07/2024 12:15
Lab Sample ID	3363931008	Lab Receipt	06/11/2024 15:50

**VOLATILE ORGANICS**

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1-Trichloroethane	0.00073U	U,P1,P2,P3	mg/kg	0.0024	0.00073	SW846 8260D	1	06/19/2024 14:36	TMP	A2
1,1,2,2-Tetrachloroethane	0.00066U	U,P1,P2,P3	mg/kg	0.0024	0.00066	SW846 8260D	1	06/19/2024 14:36	TMP	A2
1,1,2-Trichloroethane	0.00066U	U,P1,P2,P3	mg/kg	0.0024	0.00066	SW846 8260D	1	06/19/2024 14:36	TMP	A2
1,1-Dichloroethane	0.00059U	U,P1,P2,P3	mg/kg	0.0024	0.00059	SW846 8260D	1	06/19/2024 14:36	TMP	A2
1,1-Dichloroethene	0.00062U	U,P1,P2,P3	mg/kg	0.0024	0.00062	SW846 8260D	1	06/19/2024 14:36	TMP	A2
1,1-Dichloropropene	0.00059U	U,P1,P2,P3	mg/kg	0.0024	0.00059	SW846 8260D	1	06/19/2024 14:36	TMP	A2
1,2,3-Trichlorobenzene	0.00059U	U,P1,P2,P3	mg/kg	0.0059	0.00059	SW846 8260D	1	06/19/2024 14:36	TMP	A2
1,2,3-Trichloropropane	0.00059U	U,P1,P2,P3	mg/kg	0.0024	0.00059	SW846 8260D	1	06/19/2024 14:36	TMP	A2
1,2,4-Trichlorobenzene	0.00059U	U,P1,P2,P3	mg/kg	0.0059	0.00059	SW846 8260D	1	06/19/2024 14:36	TMP	A2
1,2,4-Trimethylbenzene	0.00059U	U,P1,P2,P3	mg/kg	0.0024	0.00059	SW846 8260D	1	06/19/2024 14:36	TMP	A2
1,2-Dibromo-3-chloropropane	0.00030U	U,P1,P2,P3	mg/kg	0.0024	0.00030	SW846 8260D	1	06/19/2024 14:36	TMP	A2
1,2-Dibromoethane	0.00064U	U,P1,P2,P3	mg/kg	0.0024	0.00064	SW846 8260D	1	06/19/2024 14:36	TMP	A2
1,2-Dichlorobenzene	0.00059U	U,P1,P2,P3	mg/kg	0.0024	0.00059	SW846 8260D	1	06/19/2024 14:36	TMP	A2
1,2-Dichloroethane	0.00059U	U,P1,P2,P3	mg/kg	0.0024	0.00059	SW846 8260D	1	06/19/2024 14:36	TMP	A2
1,2-Dichloropropane	0.00071U	U,P1,P2,P3	mg/kg	0.0024	0.00071	SW846 8260D	1	06/19/2024 14:36	TMP	A2
1,3,5-Trimethylbenzene	0.00059U	U,P1,P2,P3	mg/kg	0.0024	0.00059	SW846 8260D	1	06/19/2024 14:36	TMP	A2
1,3-Dichlorobenzene	0.00059U	U,P1,P2,P3	mg/kg	0.0024	0.00059	SW846 8260D	1	06/19/2024 14:36	TMP	A2
1,3-Dichloropropane	0.00098U	U,P1,P2,P3	mg/kg	0.0024	0.00098	SW846 8260D	1	06/19/2024 14:36	TMP	A2
1,4-Dichlorobenzene	0.00059U	U,P1,P2,P3	mg/kg	0.0024	0.00059	SW846 8260D	1	06/19/2024 14:36	TMP	A2
2,2-Dichloropropane	0.00059U	U,P1,P2,P3	mg/kg	0.0024	0.00059	SW846 8260D	1	06/19/2024 14:36	TMP	A2
2-Butanone	0.013	P1,P2,P3	mg/kg	0.012	0.0038	SW846 8260D	1	06/19/2024 14:36	TMP	A2
2-Hexanone	0.0033U	U,P1,P2,P3	mg/kg	0.012	0.0033	SW846 8260D	1	06/19/2024 14:36	TMP	A2
4-Methyl-2-Pentanone(MIBK)	0.0045U	U,P1,P2,P3	mg/kg	0.012	0.0045	SW846 8260D	1	06/19/2024 14:36	TMP	A2
Acetone	0.090	P1,P2,P3	mg/kg	0.012	0.0054	SW846 8260D	1	06/19/2024 14:36	TMP	A2
Benzene	0.00079J	J,P1,P2,P3	mg/kg	0.0024	0.00059	SW846 8260D	1	06/19/2024 14:36	TMP	A2
Bromobenzene	0.00059U	U,P1,P2,P3	mg/kg	0.0024	0.00059	SW846 8260D	1	06/19/2024 14:36	TMP	A2
Bromochloromethane	0.00059U	U,P1,P2,P3	mg/kg	0.0024	0.00059	SW846 8260D	1	06/19/2024 14:36	TMP	A2
Bromodichloromethane	0.00084U	U,P1,P2,P3	mg/kg	0.0024	0.00084	SW846 8260D	1	06/19/2024 14:36	TMP	A2
Bromoform	0.00062U	U,P1,P2,P3	mg/kg	0.0024	0.00062	SW846 8260D	1	06/19/2024 14:36	TMP	A2
Bromomethane	0.00062U	U,2,3,4,P1,P2,P3	mg/kg	0.0024	0.00062	SW846 8260D	1	06/19/2024 14:36	TMP	A2
Carbon Disulfide	0.00075U	U,P1,P2,P3	mg/kg	0.0024	0.00075	SW846 8260D	1	06/19/2024 14:36	TMP	A2
Carbon Tetrachloride	0.00060U	U,P1,P2,P3	mg/kg	0.0024	0.00060	SW846 8260D	1	06/19/2024 14:36	TMP	A2
Chlorobenzene	0.00060U	U,P1,P2,P3	mg/kg	0.0024	0.00060	SW846 8260D	1	06/19/2024 14:36	TMP	A2
Chlorodibromomethane	0.00081U	U,P1,P2,P3	mg/kg	0.0024	0.00081	SW846 8260D	1	06/19/2024 14:36	TMP	A2
Chloroethane	0.0010U	U,P1,P2,P3	mg/kg	0.0059	0.0010	SW846 8260D	1	06/19/2024 14:36	TMP	A2

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**Results**

Client Sample ID	SB-27 (6-8)	Collected	06/07/2024 12:15
Lab Sample ID	3363931008	Lab Receipt	06/11/2024 15:50

**VOLATILE ORGANICS (cont.)**

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Chloroform	0.00063U	U,P1,P2,P3	mg/kg	0.0024	0.00063	SW846 8260D	1	06/19/2024 14:36	TMP	A2
Chloromethane	0.00065U	U,P1,P2,P3	mg/kg	0.0024	0.00065	SW846 8260D	1	06/19/2024 14:36	TMP	A2
cis-1,2-Dichloroethene	0.00059U	U,P1,P2,P3	mg/kg	0.0024	0.00059	SW846 8260D	1	06/19/2024 14:36	TMP	A2
cis-1,3-Dichloropropene	0.00065U	U,P1,P2,P3	mg/kg	0.0024	0.00065	SW846 8260D	1	06/19/2024 14:36	TMP	A2
Dibromomethane	0.00085U	U,P1,P2,P3	mg/kg	0.0024	0.00085	SW846 8260D	1	06/19/2024 14:36	TMP	A2
Dichlorodifluoromethane	0.00079U	U,P1,P2,P3	mg/kg	0.0024	0.00079	SW846 8260D	1	06/19/2024 14:36	TMP	A2
Ethylbenzene	0.00081U	U,P1,P2,P3	mg/kg	0.0024	0.00081	SW846 8260D	1	06/19/2024 14:36	TMP	A2
Freon 113	0.00059U	U,5,7,P1,P2,P3	mg/kg	0.0024	0.00059	SW846 8260D	1	06/19/2024 14:36	TMP	A2
Hexachlorobutadiene	0.00059U	U,P1,P2,P3	mg/kg	0.0059	0.00059	SW846 8260D	1	06/19/2024 14:36	TMP	A2
Isopropylbenzene	0.00072U	U,P1,P2,P3	mg/kg	0.0024	0.00072	SW846 8260D	1	06/19/2024 14:36	TMP	A2
Methyl t-Butyl Ether	0.00059U	U,P1,P2,P3	mg/kg	0.0024	0.00059	SW846 8260D	1	06/19/2024 14:36	TMP	A2
Methylene Chloride	0.00092U	U,P1,P2,P3	mg/kg	0.0024	0.00092	SW846 8260D	1	06/19/2024 14:36	TMP	A2
mp-Xylene	0.00098U	U,P1,P2,P3	mg/kg	0.0047	0.00098	SW846 8260D	1	06/19/2024 14:36	TMP	A2
Naphthalene	0.00059U	U,P1,P2,P3	mg/kg	0.0024	0.00059	SW846 8260D	1	06/19/2024 14:36	TMP	A2
n-Butylbenzene	0.00059U	U,P1,P2,P3	mg/kg	0.0024	0.00059	SW846 8260D	1	06/19/2024 14:36	TMP	A2
n-Propylbenzene	0.00059U	U,P1,P2,P3	mg/kg	0.0024	0.00059	SW846 8260D	1	06/19/2024 14:36	TMP	A2
o-Chlorotoluene	0.00059U	U,P1,P2,P3	mg/kg	0.0024	0.00059	SW846 8260D	1	06/19/2024 14:36	TMP	A2
o-Xylene	0.00069U	U,P1,P2,P3	mg/kg	0.0024	0.00069	SW846 8260D	1	06/19/2024 14:36	TMP	A2
p-Chlorotoluene	0.00059U	U,P1,P2,P3	mg/kg	0.0024	0.00059	SW846 8260D	1	06/19/2024 14:36	TMP	A2
p-Isopropyltoluene	0.00059U	U,P1,P2,P3	mg/kg	0.0024	0.00059	SW846 8260D	1	06/19/2024 14:36	TMP	A2
sec-Butylbenzene	0.00096J	J,P1,P2,P3	mg/kg	0.0024	0.00059	SW846 8260D	1	06/19/2024 14:36	TMP	A2
Styrene	0.00059U	U,P1,P2,P3	mg/kg	0.0024	0.00059	SW846 8260D	1	06/19/2024 14:36	TMP	A2
tert-Butylbenzene	0.00065U	U,P1,P2,P3	mg/kg	0.0024	0.00065	SW846 8260D	1	06/19/2024 14:36	TMP	A2
Tetrachloroethene	0.00071U	U,8,P1,P2,P3	mg/kg	0.0024	0.00071	SW846 8260D	1	06/19/2024 14:36	TMP	A2
Toluene	0.00079U	U,P1,P2,P3	mg/kg	0.0024	0.00079	SW846 8260D	1	06/19/2024 14:36	TMP	A2
Total Xylenes	0.0017U	U,P1,P2,P3	mg/kg	0.0071	0.0017	SW846 8260D	1	06/19/2024 14:36	TMP	A2
trans-1,2-Dichloroethene	0.00062U	U,P1,P2,P3	mg/kg	0.0024	0.00062	SW846 8260D	1	06/19/2024 14:36	TMP	A2
trans-1,3-Dichloropropene	0.00069U	U,P1,P2,P3	mg/kg	0.0024	0.00069	SW846 8260D	1	06/19/2024 14:36	TMP	A2
Trichloroethene	0.00059U	U,P1,P2,P3	mg/kg	0.0024	0.00059	SW846 8260D	1	06/19/2024 14:36	TMP	A2
Trichlorofluoromethane	0.00059U	U,P1,P2,P3	mg/kg	0.0024	0.00059	SW846 8260D	1	06/19/2024 14:36	TMP	A2
Vinyl Chloride	0.00059U	U,P1,P2,P3	mg/kg	0.0024	0.00059	SW846 8260D	1	06/19/2024 14:36	TMP	A2

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## Results

Client Sample ID	SB-27 (6-8)	Collected	06/07/2024 12:15
Lab Sample ID	3363931008	Lab Receipt	06/11/2024 15:50

### VOLATILE ORGANICS (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
<i>SURROGATES</i>										
Compound	CAS No			Recovery		Limits(%)		Analysis Date/Time		Qualifiers
1,2-Dichloroethane-d4	17060-07-0			119%		56 – 124		06/19/2024 14:36		
4-Bromofluorobenzene	460-00-4			97.6%		51 – 128		06/19/2024 14:36		
Dibromofluoromethane	1868-53-7			101%		62 – 123		06/19/2024 14:36		
Toluene-d8	2037-26-5			95.8%		59 – 131		06/19/2024 14:36		

### WET CHEMISTRY

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Moisture	19.7	P1,P2,P3	%	0.1	0.01	S2540G-11	1	06/13/2024 17:05	E1R	A
Total Solids	80.3	P1,P2,P3	%	0.1	0.01	S2540G-11	1	06/13/2024 17:05	E1R	A

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## Results

Client Sample ID	HA-05 (0-2)	Collected	06/07/2024 12:25
Lab Sample ID	3363931009	Lab Receipt	06/11/2024 15:50

### METALS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Lead, Total	479	20,21,22 ,23,P1,P 2,P3,S3	mg/kg	2.4	0.78	SW846 6010C	1	06/28/2024 08:57	MSY	A1

### PETROLEUM HC's

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Diesel Range Organics C10-C28	734	P1,P2,P 3,S3	mg/kg	121	33.0	SW846 8015D	10	06/21/2024 17:45	KJH	A

### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
o-Terphenyl	84-15-1	81.7%	36 - 122	06/21/2024 17:45	

### WET CHEMISTRY

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Moisture	16.7	P1,P2,P 3,S3	%	0.1	0.01	S2540G-11	1	06/13/2024 14:19	J1K	A
Total Solids	83.3	P1,P2,P 3,S3	%	0.1	0.01	S2540G-11	1	06/13/2024 14:19	J1K	A

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## Results

Client Sample ID	HA-04 (0-2)	Collected	06/07/2024 12:35
Lab Sample ID	3363931010	Lab Receipt	06/11/2024 15:50

### METALS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Lead, Total	19.0	P1,P2,P3	mg/kg	2.8	0.92	SW846 6010C	1	06/28/2024 09:09	MSY	A1

### PETROLEUM HC's

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Diesel Range Organics C10-C28	110	P1,P2,P3	mg/kg	14.9	4.1	SW846 8015D	1	06/21/2024 03:51	AJW	A

### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
o-Terphenyl	84-15-1	86.7%	36 - 122	06/21/2024 03:51	

### WET CHEMISTRY

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Moisture	30.4	P1,P2,P3	%	0.1	0.01	S2540G-11	1	06/13/2024 14:19	J1K	A
Total Solids	69.6	P1,P2,P3	%	0.1	0.01	S2540G-11	1	06/13/2024 14:19	J1K	A

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## Results

Client Sample ID	SB-36 (2-4)	Collected	06/07/2024 13:35
Lab Sample ID	3363931011	Lab Receipt	06/11/2024 15:50

### GASOLINE RANGE ORGANICS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Gasoline Range Organics	4.6J	J,P1,P2,P3	mg/kg	12.4	2.1	SW846 8015D	100	06/18/2024 22:33	JTH	A1

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
a,a,a-Trifluorotoluene	98-08-8	85.6%	72 - 134	06/18/2024 22:33	

### PETROLEUM HC's

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Diesel Range Organics C10-C28	5.8J	J,P1,P2,P3	mg/kg	12.7	3.5	SW846 8015D	1	06/21/2024 04:23	AJW	A

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
o-Terphenyl	84-15-1	80.5%	36 - 122	06/21/2024 04:23	

### SEMIVOLATILE SIM

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,4-Dioxane	0.0029U	U,P1,P2,P3	mg/kg	0.0059	0.0029	SW846 8270E SIM	1	06/21/2024 22:18	M1O	A
1-Methylnaphthalene	0.14	P1,P2,P3	mg/kg	0.0059	0.0011	SW846 8270E SIM	1	06/21/2024 22:18	M1O	A
2-Methylnaphthalene	0.089	P1,P2,P3	mg/kg	0.0059	0.0015	SW846 8270E SIM	1	06/21/2024 22:18	M1O	A
Acenaphthene	0.012	P1,P2,P3	mg/kg	0.0059	0.0011	SW846 8270E SIM	1	06/21/2024 22:18	M1O	A
Acenaphthylene	0.0011U	U,P1,P2,P3	mg/kg	0.0059	0.0011	SW846 8270E SIM	1	06/21/2024 22:18	M1O	A
Anthracene	0.00094U	U,P1,P2,P3	mg/kg	0.0059	0.00094	SW846 8270E SIM	1	06/21/2024 22:18	M1O	A
Benzo(a)anthracene	0.0043J	J,P1,P2,P3	mg/kg	0.0059	0.00094	SW846 8270E SIM	1	06/21/2024 22:18	M1O	A
Benzo(a)pyrene	0.0048J	J,P1,P2,P3	mg/kg	0.0059	0.00094	SW846 8270E SIM	1	06/21/2024 22:18	M1O	A
Benzo(b)fluoranthene	0.0058J	J,P1,P2,P3	mg/kg	0.0059	0.00094	SW846 8270E SIM	1	06/21/2024 22:18	M1O	A
Benzo(g,h,i)perylene	0.0053J	J,P1,P2,P3	mg/kg	0.0059	0.0012	SW846 8270E SIM	1	06/21/2024 22:18	M1O	A
Benzo(k)fluoranthene	0.0051J	J,P1,P2,P3	mg/kg	0.0059	0.0011	SW846 8270E SIM	1	06/21/2024 22:18	M1O	A
Chrysene	0.0063	P1,P2,P3	mg/kg	0.0059	0.0011	SW846 8270E SIM	1	06/21/2024 22:18	M1O	A
Dibenzo(a,h)anthracene	0.00082U	U,P1,P2,P3	mg/kg	0.0059	0.00082	SW846 8270E SIM	1	06/21/2024 22:18	M1O	A
Fluoranthene	0.0056J	J,P1,P2,P3	mg/kg	0.0059	0.0011	SW846 8270E SIM	1	06/21/2024 22:18	M1O	A
Fluorene	0.022	P1,P2,P3	mg/kg	0.0059	0.0012	SW846 8270E SIM	1	06/21/2024 22:18	M1O	A
Indeno(1,2,3-cd)pyrene	0.0045J	J,P1,P2,P3	mg/kg	0.0059	0.00094	SW846 8270E SIM	1	06/21/2024 22:18	M1O	A
Naphthalene	0.051	P1,P2,P3	mg/kg	0.0059	0.0013	SW846 8270E SIM	1	06/21/2024 22:18	M1O	A
Phenanthrene	0.035	P1,P2,P3	mg/kg	0.0059	0.0013	SW846 8270E SIM	1	06/21/2024 22:18	M1O	A



## Results

Client Sample ID	SB-36 (2-4)	Collected	06/07/2024 13:35
Lab Sample ID	3363931011	Lab Receipt	06/11/2024 15:50

### SEMIVOLATILE SIM (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Pyrene	0.0050J	J,P1,P2, P3	mg/kg	0.0059	0.00094	SW846 8270E SIM	1	06/21/2024 22:18	M1O	A

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
2-Methylnaphthalene-d10	7297-45-2	76.3%	50 - 150	06/21/2024 22:18	
Fluoranthene-d10	93951-69-0	88.8%	50 - 150	06/21/2024 22:18	

### SEMIVOLATILES

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1-Methylnaphthalene	0.13	P1,P2,P3	mg/kg	0.12	0.020	SW846 8270E	1	06/21/2024 02:18	M1O	A
2-Methylnaphthalene	0.090J	J,P1,P2, P3	mg/kg	0.12	0.020	SW846 8270E	1	06/21/2024 02:18	M1O	A
Acenaphthene	0.020U	U,P1,P2, P3	mg/kg	0.059	0.020	SW846 8270E	1	06/21/2024 02:18	M1O	A
Acenaphthylene	0.020U	U,P1,P2, P3	mg/kg	0.059	0.020	SW846 8270E	1	06/21/2024 02:18	M1O	A
Anthracene	0.020U	U,P1,P2, P3	mg/kg	0.059	0.020	SW846 8270E	1	06/21/2024 02:18	M1O	A
Benzo(a)anthracene	0.020U	U,P1,P2, P3	mg/kg	0.059	0.020	SW846 8270E	1	06/21/2024 02:18	M1O	A
Benzo(a)pyrene	0.020U	U,P1,P2, P3	mg/kg	0.059	0.020	SW846 8270E	1	06/21/2024 02:18	M1O	A
Benzo(b)fluoranthene	0.020U	U,P1,P2, P3	mg/kg	0.059	0.020	SW846 8270E	1	06/21/2024 02:18	M1O	A
Benzo(g,h,i)perylene	0.020U	U,P1,P2, P3	mg/kg	0.059	0.020	SW846 8270E	1	06/21/2024 02:18	M1O	A
Benzo(k)fluoranthene	0.020U	U,P1,P2, P3	mg/kg	0.059	0.020	SW846 8270E	1	06/21/2024 02:18	M1O	A
Carbazole	0.020U	U,P1,P2, P3	mg/kg	0.12	0.020	SW846 8270E	1	06/21/2024 02:18	M1O	A
Chrysene	0.020U	U,P1,P2, P3	mg/kg	0.059	0.020	SW846 8270E	1	06/21/2024 02:18	M1O	A
Dibenzo(a,h)anthracene	0.020U	U,P1,P2, P3	mg/kg	0.059	0.020	SW846 8270E	1	06/21/2024 02:18	M1O	A
Dibenzofuran	0.020U	U,P1,P2, P3	mg/kg	0.12	0.020	SW846 8270E	1	06/21/2024 02:18	M1O	A
Fluoranthene	0.020U	U,P1,P2, P3	mg/kg	0.059	0.020	SW846 8270E	1	06/21/2024 02:18	M1O	A
Fluorene	0.022J	J,P1,P2, P3	mg/kg	0.059	0.020	SW846 8270E	1	06/21/2024 02:18	M1O	A
Indeno(1,2,3-cd)pyrene	0.020U	U,P1,P2, P3	mg/kg	0.059	0.020	SW846 8270E	1	06/21/2024 02:18	M1O	A
Naphthalene	0.051J	J,P1,P2, P3	mg/kg	0.059	0.020	SW846 8270E	1	06/21/2024 02:18	M1O	A
Phenanthrene	0.037J	J,P1,P2, P3	mg/kg	0.059	0.020	SW846 8270E	1	06/21/2024 02:18	M1O	A
Pyrene	0.020U	U,P1,P2, P3	mg/kg	0.059	0.020	SW846 8270E	1	06/21/2024 02:18	M1O	A

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
2-Fluorobiphenyl	321-60-8	66.1%	40 - 110	06/21/2024 02:18	
2-Fluorophenol	367-12-4	64.4%	26 - 116	06/21/2024 02:18	
Nitrobenzene-d5	4165-60-0	67.4%	38 - 112	06/21/2024 02:18	
Phenol-d5	4165-62-2	70.1%	35 - 111	06/21/2024 02:18	
Terphenyl-d14	98904-43-9	86.7%	45 - 126	06/21/2024 02:18	



## Results

Client Sample ID	SB-36 (2-4)	Collected	06/07/2024 13:35
Lab Sample ID	3363931011	Lab Receipt	06/11/2024 15:50

### VOLATILE ORGANICS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1-Trichloroethane	0.00071U	U,P1,P2,P3	mg/kg	0.0023	0.00071	SW846 8260D	1	06/19/2024 15:02	TMP	A2
1,1,2,2-Tetrachloroethane	0.00064U	U,P1,P2,P3	mg/kg	0.0023	0.00064	SW846 8260D	1	06/19/2024 15:02	TMP	A2
1,1,2-Trichloroethane	0.00064U	U,P1,P2,P3	mg/kg	0.0023	0.00064	SW846 8260D	1	06/19/2024 15:02	TMP	A2
1,1-Dichloroethane	0.00057U	U,P1,P2,P3	mg/kg	0.0023	0.00057	SW846 8260D	1	06/19/2024 15:02	TMP	A2
1,1-Dichloroethene	0.00059U	U,P1,P2,P3	mg/kg	0.0023	0.00059	SW846 8260D	1	06/19/2024 15:02	TMP	A2
1,1-Dichloropropene	0.00057U	U,P1,P2,P3	mg/kg	0.0023	0.00057	SW846 8260D	1	06/19/2024 15:02	TMP	A2
1,2,3-Trichlorobenzene	0.00057U	U,P1,P2,P3	mg/kg	0.0057	0.00057	SW846 8260D	1	06/19/2024 15:02	TMP	A2
1,2,3-Trichloropropane	0.00057U	U,P1,P2,P3	mg/kg	0.0023	0.00057	SW846 8260D	1	06/19/2024 15:02	TMP	A2
1,2,4-Trichlorobenzene	0.00057U	U,P1,P2,P3	mg/kg	0.0057	0.00057	SW846 8260D	1	06/19/2024 15:02	TMP	A2
1,2,4-Trimethylbenzene	0.00057U	U,P1,P2,P3	mg/kg	0.0023	0.00057	SW846 8260D	1	06/19/2024 15:02	TMP	A2
1,2-Dibromo-3-chloropropane	0.00029U	U,P1,P2,P3	mg/kg	0.0023	0.00029	SW846 8260D	1	06/19/2024 15:02	TMP	A2
1,2-Dibromoethane	0.00062U	U,P1,P2,P3	mg/kg	0.0023	0.00062	SW846 8260D	1	06/19/2024 15:02	TMP	A2
1,2-Dichlorobenzene	0.00057U	U,P1,P2,P3	mg/kg	0.0023	0.00057	SW846 8260D	1	06/19/2024 15:02	TMP	A2
1,2-Dichloroethane	0.00057U	U,P1,P2,P3	mg/kg	0.0023	0.00057	SW846 8260D	1	06/19/2024 15:02	TMP	A2
1,2-Dichloropropane	0.00069U	U,P1,P2,P3	mg/kg	0.0023	0.00069	SW846 8260D	1	06/19/2024 15:02	TMP	A2
1,3,5-Trimethylbenzene	0.00057U	U,P1,P2,P3	mg/kg	0.0023	0.00057	SW846 8260D	1	06/19/2024 15:02	TMP	A2
1,3-Dichlorobenzene	0.00057U	U,P1,P2,P3	mg/kg	0.0023	0.00057	SW846 8260D	1	06/19/2024 15:02	TMP	A2
1,3-Dichloropropane	0.00095U	U,P1,P2,P3	mg/kg	0.0023	0.00095	SW846 8260D	1	06/19/2024 15:02	TMP	A2
1,4-Dichlorobenzene	0.00057U	U,P1,P2,P3	mg/kg	0.0023	0.00057	SW846 8260D	1	06/19/2024 15:02	TMP	A2
2,2-Dichloropropane	0.00057U	U,P1,P2,P3	mg/kg	0.0023	0.00057	SW846 8260D	1	06/19/2024 15:02	TMP	A2
2-Butanone	0.0037U	U,P1,P2,P3	mg/kg	0.011	0.0037	SW846 8260D	1	06/19/2024 15:02	TMP	A2
2-Hexanone	0.0032U	U,P1,P2,P3	mg/kg	0.011	0.0032	SW846 8260D	1	06/19/2024 15:02	TMP	A2
4-Methyl-2-Pentanone(MIBK)	0.0043U	U,P1,P2,P3	mg/kg	0.011	0.0043	SW846 8260D	1	06/19/2024 15:02	TMP	A2
Acetone	0.019	P1,P2,P3	mg/kg	0.011	0.0053	SW846 8260D	1	06/19/2024 15:02	TMP	A2
Benzene	0.0012J	J,P1,P2,P3	mg/kg	0.0023	0.00057	SW846 8260D	1	06/19/2024 15:02	TMP	A2
Bromobenzene	0.00057U	U,P1,P2,P3	mg/kg	0.0023	0.00057	SW846 8260D	1	06/19/2024 15:02	TMP	A2
Bromochloromethane	0.00057U	U,P1,P2,P3	mg/kg	0.0023	0.00057	SW846 8260D	1	06/19/2024 15:02	TMP	A2
Bromodichloromethane	0.00081U	U,P1,P2,P3	mg/kg	0.0023	0.00081	SW846 8260D	1	06/19/2024 15:02	TMP	A2
Bromoform	0.00059U	U,P1,P2,P3	mg/kg	0.0023	0.00059	SW846 8260D	1	06/19/2024 15:02	TMP	A2
Bromomethane	0.00059U	U,2,3,4,P1,P2,P3	mg/kg	0.0023	0.00059	SW846 8260D	1	06/19/2024 15:02	TMP	A2
Carbon Disulfide	0.00072U	U,P1,P2,P3	mg/kg	0.0023	0.00072	SW846 8260D	1	06/19/2024 15:02	TMP	A2
Carbon Tetrachloride	0.00058U	U,P1,P2,P3	mg/kg	0.0023	0.00058	SW846 8260D	1	06/19/2024 15:02	TMP	A2
Chlorobenzene	0.00058U	U,P1,P2,P3	mg/kg	0.0023	0.00058	SW846 8260D	1	06/19/2024 15:02	TMP	A2
Chlorodibromomethane	0.00078U	U,P1,P2,P3	mg/kg	0.0023	0.00078	SW846 8260D	1	06/19/2024 15:02	TMP	A2
Chloroethane	0.00097U	U,P1,P2,P3	mg/kg	0.0057	0.00097	SW846 8260D	1	06/19/2024 15:02	TMP	A2

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**Results**

Client Sample ID	SB-36 (2-4)	Collected	06/07/2024 13:35
Lab Sample ID	3363931011	Lab Receipt	06/11/2024 15:50

**VOLATILE ORGANICS (cont.)**

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Chloroform	0.00061U	U,P1,P2,P3	mg/kg	0.0023	0.00061	SW846 8260D	1	06/19/2024 15:02	TMP	A2
Chloromethane	0.00063U	U,P1,P2,P3	mg/kg	0.0023	0.00063	SW846 8260D	1	06/19/2024 15:02	TMP	A2
cis-1,2-Dichloroethene	0.00057U	U,P1,P2,P3	mg/kg	0.0023	0.00057	SW846 8260D	1	06/19/2024 15:02	TMP	A2
cis-1,3-Dichloropropene	0.00063U	U,P1,P2,P3	mg/kg	0.0023	0.00063	SW846 8260D	1	06/19/2024 15:02	TMP	A2
Dibromomethane	0.00082U	U,P1,P2,P3	mg/kg	0.0023	0.00082	SW846 8260D	1	06/19/2024 15:02	TMP	A2
Dichlorodifluoromethane	0.00077U	U,P1,P2,P3	mg/kg	0.0023	0.00077	SW846 8260D	1	06/19/2024 15:02	TMP	A2
Ethylbenzene	0.00078U	U,P1,P2,P3	mg/kg	0.0023	0.00078	SW846 8260D	1	06/19/2024 15:02	TMP	A2
Freon 113	0.00057U	U,5,7,P1,P2,P3	mg/kg	0.0023	0.00057	SW846 8260D	1	06/19/2024 15:02	TMP	A2
Hexachlorobutadiene	0.00057U	U,P1,P2,P3	mg/kg	0.0057	0.00057	SW846 8260D	1	06/19/2024 15:02	TMP	A2
Isopropylbenzene	0.00070U	U,P1,P2,P3	mg/kg	0.0023	0.00070	SW846 8260D	1	06/19/2024 15:02	TMP	A2
Methyl t-Butyl Ether	0.00057U	U,P1,P2,P3	mg/kg	0.0023	0.00057	SW846 8260D	1	06/19/2024 15:02	TMP	A2
Methylene Chloride	0.00089U	U,P1,P2,P3	mg/kg	0.0023	0.00089	SW846 8260D	1	06/19/2024 15:02	TMP	A2
mp-Xylene	0.00095U	U,P1,P2,P3	mg/kg	0.0046	0.00095	SW846 8260D	1	06/19/2024 15:02	TMP	A2
Naphthalene	0.00057U	U,P1,P2,P3	mg/kg	0.0023	0.00057	SW846 8260D	1	06/19/2024 15:02	TMP	A2
n-Butylbenzene	0.00057U	U,P1,P2,P3	mg/kg	0.0023	0.00057	SW846 8260D	1	06/19/2024 15:02	TMP	A2
n-Propylbenzene	0.0016J	J,P1,P2,P3	mg/kg	0.0023	0.00057	SW846 8260D	1	06/19/2024 15:02	TMP	A2
o-Chlorotoluene	0.00057U	U,P1,P2,P3	mg/kg	0.0023	0.00057	SW846 8260D	1	06/19/2024 15:02	TMP	A2
o-Xylene	0.00066U	U,P1,P2,P3	mg/kg	0.0023	0.00066	SW846 8260D	1	06/19/2024 15:02	TMP	A2
p-Chlorotoluene	0.00057U	U,P1,P2,P3	mg/kg	0.0023	0.00057	SW846 8260D	1	06/19/2024 15:02	TMP	A2
p-Isopropyltoluene	0.00057U	U,P1,P2,P3	mg/kg	0.0023	0.00057	SW846 8260D	1	06/19/2024 15:02	TMP	A2
sec-Butylbenzene	0.00057U	U,P1,P2,P3	mg/kg	0.0023	0.00057	SW846 8260D	1	06/19/2024 15:02	TMP	A2
Styrene	0.00057U	U,P1,P2,P3	mg/kg	0.0023	0.00057	SW846 8260D	1	06/19/2024 15:02	TMP	A2
tert-Butylbenzene	0.00063U	U,P1,P2,P3	mg/kg	0.0023	0.00063	SW846 8260D	1	06/19/2024 15:02	TMP	A2
Tetrachloroethene	0.00069U	U,8,P1,P2,P3	mg/kg	0.0023	0.00069	SW846 8260D	1	06/19/2024 15:02	TMP	A2
Toluene	0.00077U	U,P1,P2,P3	mg/kg	0.0023	0.00077	SW846 8260D	1	06/19/2024 15:02	TMP	A2
Total Xylenes	0.0016U	U,P1,P2,P3	mg/kg	0.0069	0.0016	SW846 8260D	1	06/19/2024 15:02	TMP	A2
trans-1,2-Dichloroethene	0.00059U	U,P1,P2,P3	mg/kg	0.0023	0.00059	SW846 8260D	1	06/19/2024 15:02	TMP	A2
trans-1,3-Dichloropropene	0.00066U	U,P1,P2,P3	mg/kg	0.0023	0.00066	SW846 8260D	1	06/19/2024 15:02	TMP	A2
Trichloroethene	0.00057U	U,P1,P2,P3	mg/kg	0.0023	0.00057	SW846 8260D	1	06/19/2024 15:02	TMP	A2
Trichlorofluoromethane	0.00057U	U,P1,P2,P3	mg/kg	0.0023	0.00057	SW846 8260D	1	06/19/2024 15:02	TMP	A2
Vinyl Chloride	0.00057U	U,P1,P2,P3	mg/kg	0.0023	0.00057	SW846 8260D	1	06/19/2024 15:02	TMP	A2

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## Results

Client Sample ID	SB-36 (2-4)	Collected	06/07/2024 13:35
Lab Sample ID	3363931011	Lab Receipt	06/11/2024 15:50

### VOLATILE ORGANICS (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
<i>SURROGATES</i>										
Compound	CAS No			Recovery		Limits(%)		Analysis Date/Time		Qualifiers
1,2-Dichloroethane-d4	17060-07-0			120%		56 – 124		06/19/2024 15:02		
4-Bromofluorobenzene	460-00-4			97.7%		51 – 128		06/19/2024 15:02		
Dibromofluoromethane	1868-53-7			103%		62 – 123		06/19/2024 15:02		
Toluene-d8	2037-26-5			94.7%		59 – 131		06/19/2024 15:02		

### WET CHEMISTRY

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Moisture	19.9	P1,P2,P3	%	0.1	0.01	S2540G-11	1	06/13/2024 14:19	J1K	A
Total Solids	80.1	P1,P2,P3	%	0.1	0.01	S2540G-11	1	06/13/2024 14:19	J1K	A

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## Results

Client Sample ID	SB-36 (4-6)	Collected	06/07/2024 13:35
Lab Sample ID	3363931012	Lab Receipt	06/11/2024 15:50

### GASOLINE RANGE ORGANICS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Gasoline Range Organics	454	P1,P2,P3,S4	mg/kg	109	18.6	SW846 8015D	1000	06/19/2024 18:38	JTH	A1

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
a,a,a-Trifluorotoluene	98-08-8	1290*%	72 - 134	06/19/2024 18:38	

### PETROLEUM HC's

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Diesel Range Organics C10-C28	260	P1,P2,P3,S4	mg/kg	59.7	16.3	SW846 8015D	5	06/21/2024 18:17	KJH	A

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
o-Terphenyl	84-15-1	88.3%	36 - 122	06/21/2024 18:17	

### SEMIVOLATILE SIM

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,4-Dioxane	0.0027U	U,P1,P2,P3,S4	mg/kg	0.0055	0.0027	SW846 8270E SIM	1	06/21/2024 22:45	M1O	A
1-Methylnaphthalene	0.17	P1,P2,P3,S4	mg/kg	0.0055	0.00098	SW846 8270E SIM	1	06/21/2024 22:45	M1O	A
2-Methylnaphthalene	0.26	P1,P2,P3,S4	mg/kg	0.0055	0.0014	SW846 8270E SIM	1	06/21/2024 22:45	M1O	A
Acenaphthene	0.044	P1,P2,P3,S4	mg/kg	0.0055	0.00098	SW846 8270E SIM	1	06/21/2024 22:45	M1O	A
Acenaphthylene	0.00098U	U,P1,P2,P3,S4	mg/kg	0.0055	0.00098	SW846 8270E SIM	1	06/21/2024 22:45	M1O	A
Anthracene	0.063	P1,P2,P3,S4	mg/kg	0.0055	0.00087	SW846 8270E SIM	1	06/21/2024 22:45	M1O	A
Benzo(a)anthracene	0.00087U	U,P1,P2,P3,S4	mg/kg	0.0055	0.00087	SW846 8270E SIM	1	06/21/2024 22:45	M1O	A
Benzo(a)pyrene	0.00087U	U,P1,P2,P3,S4	mg/kg	0.0055	0.00087	SW846 8270E SIM	1	06/21/2024 22:45	M1O	A
Benzo(b)fluoranthene	0.00087U	U,P1,P2,P3,S4	mg/kg	0.0055	0.00087	SW846 8270E SIM	1	06/21/2024 22:45	M1O	A
Benzo(g,h,i)perylene	0.0011U	U,P1,P2,P3,S4	mg/kg	0.0055	0.0011	SW846 8270E SIM	1	06/21/2024 22:45	M1O	A
Benzo(k)fluoranthene	0.00098U	U,P1,P2,P3,S4	mg/kg	0.0055	0.00098	SW846 8270E SIM	1	06/21/2024 22:45	M1O	A
Chrysene	0.00098U	U,P1,P2,P3,S4	mg/kg	0.0055	0.00098	SW846 8270E SIM	1	06/21/2024 22:45	M1O	A
Dibenzo(a,h)anthracene	0.00076U	U,P1,P2,P3,S4	mg/kg	0.0055	0.00076	SW846 8270E SIM	1	06/21/2024 22:45	M1O	A
Fluoranthene	0.00098U	U,P1,P2,P3,S4	mg/kg	0.0055	0.00098	SW846 8270E SIM	1	06/21/2024 22:45	M1O	A
Fluorene	0.18	P1,P2,P3,S4	mg/kg	0.0055	0.0011	SW846 8270E SIM	1	06/21/2024 22:45	M1O	A
Indeno(1,2,3-cd)pyrene	0.00087U	U,P1,P2,P3,S4	mg/kg	0.0055	0.00087	SW846 8270E SIM	1	06/21/2024 22:45	M1O	A
Naphthalene	0.0077	P1,P2,P3,S4	mg/kg	0.0055	0.0012	SW846 8270E SIM	1	06/21/2024 22:45	M1O	A
Phenanthrene	0.82	E,P1,P2,P3,S4	mg/kg	0.0055	0.0012	SW846 8270E SIM	1	06/21/2024 22:45	M1O	A



## Results

Client Sample ID	SB-36 (4-6)	Collected	06/07/2024 13:35
Lab Sample ID	3363931012	Lab Receipt	06/11/2024 15:50

### SEMIVOLATILE SIM (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Pyrene	0.017	P1,P2,P3,S4	mg/kg	0.0055	0.00087	SW846 8270E SIM	1	06/21/2024 22:45	M1O	A

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
2-Methylnaphthalene-d10	7297-45-2	84.4%	50 - 150	06/21/2024 22:45	
Fluoranthene-d10	93951-69-0	102%	50 - 150	06/21/2024 22:45	

### SEMIVOLATILES

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1-Methylnaphthalene	0.17	P1,P2,P3,S4	mg/kg	0.11	0.019	SW846 8270E	1	06/21/2024 02:44	M1O	A
2-Methylnaphthalene	0.26	P1,P2,P3,S4	mg/kg	0.11	0.019	SW846 8270E	1	06/21/2024 02:44	M1O	A
Acenaphthene	0.019U	U,P1,P2,P3,S4	mg/kg	0.055	0.019	SW846 8270E	1	06/21/2024 02:44	M1O	A
Acenaphthylene	0.019U	U,P1,P2,P3,S4	mg/kg	0.055	0.019	SW846 8270E	1	06/21/2024 02:44	M1O	A
Anthracene	0.019U	U,P1,P2,P3,S4	mg/kg	0.055	0.019	SW846 8270E	1	06/21/2024 02:44	M1O	A
Benzo(a)anthracene	0.019U	U,P1,P2,P3,S4	mg/kg	0.055	0.019	SW846 8270E	1	06/21/2024 02:44	M1O	A
Benzo(a)pyrene	0.019U	U,P1,P2,P3,S4	mg/kg	0.055	0.019	SW846 8270E	1	06/21/2024 02:44	M1O	A
Benzo(b)fluoranthene	0.019U	U,P1,P2,P3,S4	mg/kg	0.055	0.019	SW846 8270E	1	06/21/2024 02:44	M1O	A
Benzo(g,h,i)perylene	0.019U	U,P1,P2,P3,S4	mg/kg	0.055	0.019	SW846 8270E	1	06/21/2024 02:44	M1O	A
Benzo(k)fluoranthene	0.019U	U,P1,P2,P3,S4	mg/kg	0.055	0.019	SW846 8270E	1	06/21/2024 02:44	M1O	A
Carbazole	0.019U	U,P1,P2,P3,S4	mg/kg	0.11	0.019	SW846 8270E	1	06/21/2024 02:44	M1O	A
Chrysene	0.019U	U,P1,P2,P3,S4	mg/kg	0.055	0.019	SW846 8270E	1	06/21/2024 02:44	M1O	A
Dibenzo(a,h)anthracene	0.019U	U,P1,P2,P3,S4	mg/kg	0.055	0.019	SW846 8270E	1	06/21/2024 02:44	M1O	A
Dibenzofuran	0.053J	J,P1,P2,P3,S4	mg/kg	0.11	0.019	SW846 8270E	1	06/21/2024 02:44	M1O	A
Fluoranthene	0.019U	U,P1,P2,P3,S4	mg/kg	0.055	0.019	SW846 8270E	1	06/21/2024 02:44	M1O	A
Fluorene	0.21	P1,P2,P3,S4	mg/kg	0.055	0.019	SW846 8270E	1	06/21/2024 02:44	M1O	A
Indeno(1,2,3-cd)pyrene	0.019U	U,P1,P2,P3,S4	mg/kg	0.055	0.019	SW846 8270E	1	06/21/2024 02:44	M1O	A
Naphthalene	0.019U	U,P1,P2,P3,S4	mg/kg	0.055	0.019	SW846 8270E	1	06/21/2024 02:44	M1O	A
Phenanthrene	0.85	P1,P2,P3,S4	mg/kg	0.055	0.019	SW846 8270E	1	06/21/2024 02:44	M1O	A
Pyrene	0.019U	U,P1,P2,P3,S4	mg/kg	0.055	0.019	SW846 8270E	1	06/21/2024 02:44	M1O	A

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
2-Fluorobiphenyl	321-60-8	65%	40 - 110	06/21/2024 02:44	
2-Fluorophenol	367-12-4	66.4%	26 - 116	06/21/2024 02:44	
Nitrobenzene-d5	4165-60-0	69%	38 - 112	06/21/2024 02:44	
Phenol-d5	4165-62-2	72.3%	35 - 111	06/21/2024 02:44	
Terphenyl-d14	98904-43-9	89.3%	45 - 126	06/21/2024 02:44	



**Results**

Client Sample ID	SB-36 (4-6)	Collected	06/07/2024 13:35
Lab Sample ID	3363931012	Lab Receipt	06/11/2024 15:50

**VOLATILE ORGANICS**

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1-Trichloroethane	0.060U	U,P1,P2 ,P3,S4	mg/kg	0.27	0.060	SW846 8260D	250	06/20/2024 23:41	BST	A1
1,1,2,2-Tetrachloroethane	0.093U	U,P1,P2 ,P3,S4	mg/kg	0.27	0.093	SW846 8260D	250	06/20/2024 23:41	BST	A1
1,1,2-Trichloroethane	0.090U	U,P1,P2 ,P3,S4	mg/kg	0.27	0.090	SW846 8260D	250	06/20/2024 23:41	BST	A1
1,1-Dichloroethane	0.076U	U,P1,P2 ,P3,S4	mg/kg	0.27	0.076	SW846 8260D	250	06/20/2024 23:41	BST	A1
1,1-Dichloroethene	0.079U	U,P1,P2 ,P3,S4	mg/kg	0.27	0.079	SW846 8260D	250	06/20/2024 23:41	BST	A1
1,1-Dichloropropene	0.074U	U,P1,P2 ,P3,S4	mg/kg	0.27	0.074	SW846 8260D	250	06/20/2024 23:41	BST	A1
1,2,3-Trichlorobenzene	0.25U	U,P1,P2 ,P3,S4	mg/kg	0.55	0.25	SW846 8260D	250	06/20/2024 23:41	BST	A1
1,2,3-Trichloropropane	0.16U	U,P1,P2 ,P3,S4	mg/kg	0.55	0.16	SW846 8260D	250	06/20/2024 23:41	BST	A1
1,2,4-Trichlorobenzene	0.22U	U,P1,P2 ,P3,S4	mg/kg	0.55	0.22	SW846 8260D	250	06/20/2024 23:41	BST	A1
1,2,4-Trimethylbenzene	1.4	P1,P2,P 3,S4	mg/kg	0.27	0.068	SW846 8260D	250	06/20/2024 23:41	BST	A1
1,2-Dibromo-3-chloropropane	0.41U	U,P1,P2 ,P3,S4	mg/kg	1.9	0.41	SW846 8260D	250	06/20/2024 23:41	BST	A1
1,2-Dibromoethane	0.076U	U,P1,P2 ,P3,S4	mg/kg	0.27	0.076	SW846 8260D	250	06/20/2024 23:41	BST	A1
1,2-Dichlorobenzene	0.10U	U,P1,P2 ,P3,S4	mg/kg	0.27	0.10	SW846 8260D	250	06/20/2024 23:41	BST	A1
1,2-Dichloroethane	0.087U	U,P1,P2 ,P3,S4	mg/kg	0.27	0.087	SW846 8260D	250	06/20/2024 23:41	BST	A1
1,2-Dichloropropane	0.066U	U,P1,P2 ,P3,S4	mg/kg	0.27	0.066	SW846 8260D	250	06/20/2024 23:41	BST	A1
1,3,5-Trimethylbenzene	0.055U	U,P1,P2 ,P3,S4	mg/kg	0.27	0.055	SW846 8260D	250	06/20/2024 23:41	BST	A1
1,3-Dichlorobenzene	0.068U	U,P1,P2 ,P3,S4	mg/kg	0.27	0.068	SW846 8260D	250	06/20/2024 23:41	BST	A1
1,3-Dichloropropane	0.074U	U,P1,P2 ,P3,S4	mg/kg	0.27	0.074	SW846 8260D	250	06/20/2024 23:41	BST	A1
1,4-Dichlorobenzene	0.074U	U,P1,P2 ,P3,S4	mg/kg	0.27	0.074	SW846 8260D	250	06/20/2024 23:41	BST	A1
2,2-Dichloropropane	0.087U	U,P1,P2 ,P3,S4	mg/kg	0.27	0.087	SW846 8260D	250	06/20/2024 23:41	BST	A1
2-Butanone	0.49U	U,P1,P2 ,P3,S4	mg/kg	2.7	0.49	SW846 8260D	250	06/20/2024 23:41	BST	A1
2-Hexanone	0.36U	U,P1,P2 ,P3,S4	mg/kg	1.4	0.36	SW846 8260D	250	06/20/2024 23:41	BST	A1
4-Methyl-2-Pentanone(MIBK)	7.6	P1,P2,P 3,S4	mg/kg	1.4	0.41	SW846 8260D	250	06/20/2024 23:41	BST	A1
Acetone	0.85U	U,P1,P2 ,P3,S4	mg/kg	2.7	0.85	SW846 8260D	250	06/20/2024 23:41	BST	A1
Benzene	0.063U	U,P1,P2 ,P3,S4	mg/kg	0.27	0.063	SW846 8260D	250	06/20/2024 23:41	BST	A1
Bromobenzene	0.087U	U,P1,P2 ,P3,S4	mg/kg	0.27	0.087	SW846 8260D	250	06/20/2024 23:41	BST	A1
Bromochloromethane	0.087U	U,P1,P2 ,P3,S4	mg/kg	0.27	0.087	SW846 8260D	250	06/20/2024 23:41	BST	A1
Bromodichloromethane	0.074U	U,P1,P2 ,P3,S4	mg/kg	0.27	0.074	SW846 8260D	250	06/20/2024 23:41	BST	A1
Bromoform	0.11U	U,P1,P2 ,P3,S4	mg/kg	0.27	0.11	SW846 8260D	250	06/20/2024 23:41	BST	A1
Bromomethane	0.11U	U,P1,P2 ,P3,S4	mg/kg	0.27	0.11	SW846 8260D	250	06/20/2024 23:41	BST	A1
Carbon Disulfide	0.063U	U,P1,P2 ,P3,S4	mg/kg	0.27	0.063	SW846 8260D	250	06/20/2024 23:41	BST	A1
Carbon Tetrachloride	0.085U	U,19,P1, P2,P3,S 4	mg/kg	0.27	0.085	SW846 8260D	250	06/20/2024 23:41	BST	A1
Chlorobenzene	0.052U	U,P1,P2 ,P3,S4	mg/kg	0.27	0.052	SW846 8260D	250	06/20/2024 23:41	BST	A1
Chlorodibromomethane	0.12U	U,P1,P2 ,P3,S4	mg/kg	0.27	0.12	SW846 8260D	250	06/20/2024 23:41	BST	A1
Chloroethane	0.090U	U,P1,P2 ,P3,S4	mg/kg	0.27	0.090	SW846 8260D	250	06/20/2024 23:41	BST	A1

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**Results**

Client Sample ID	SB-36 (4-6)	Collected	06/07/2024 13:35
Lab Sample ID	3363931012	Lab Receipt	06/11/2024 15:50

**VOLATILE ORGANICS (cont.)**

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Chloroform	0.057U	U,P1,P2 ,P3,S4	mg/kg	0.27	0.057	SW846 8260D	250	06/20/2024 23:41	BST	A1
Chloromethane	0.085U	U,P1,P2 ,P3,S4	mg/kg	0.27	0.085	SW846 8260D	250	06/20/2024 23:41	BST	A1
cis-1,2-Dichloroethene	0.087U	U,P1,P2 ,P3,S4	mg/kg	0.27	0.087	SW846 8260D	250	06/20/2024 23:41	BST	A1
cis-1,3-Dichloropropene	0.085U	U,P1,P2 ,P3,S4	mg/kg	0.27	0.085	SW846 8260D	250	06/20/2024 23:41	BST	A1
Dibromomethane	0.085U	U,P1,P2 ,P3,S4	mg/kg	0.27	0.085	SW846 8260D	250	06/20/2024 23:41	BST	A1
Dichlorodifluoromethane	0.090U	U,P1,P2 ,P3,S4	mg/kg	0.27	0.090	SW846 8260D	250	06/20/2024 23:41	BST	A1
Ethylbenzene	0.093U	U,P1,P2 ,P3,S4	mg/kg	0.27	0.093	SW846 8260D	250	06/20/2024 23:41	BST	A1
Freon 113	0.071U	U,P1,P2 ,P3,S4	mg/kg	0.27	0.071	SW846 8260D	250	06/20/2024 23:41	BST	A1
Hexachlorobutadiene	0.27U	U,P1,P2 ,P3,S4	mg/kg	1.4	0.27	SW846 8260D	250	06/20/2024 23:41	BST	A1
Isopropylbenzene	0.50	P1,P2,P 3,S4	mg/kg	0.27	0.060	SW846 8260D	250	06/20/2024 23:41	BST	A1
Methyl t-Butyl Ether	0.090U	U,P1,P2 ,P3,S4	mg/kg	0.27	0.090	SW846 8260D	250	06/20/2024 23:41	BST	A1
Methylene Chloride	0.12U	U,P1,P2 ,P3,S4	mg/kg	0.27	0.12	SW846 8260D	250	06/20/2024 23:41	BST	A1
mp-Xylene	0.16J	J,P1,P2 P3,S4	mg/kg	0.55	0.14	SW846 8260D	250	06/20/2024 23:41	BST	A1
Naphthalene	0.093U	U,P1,P2 ,P3,S4	mg/kg	0.55	0.093	SW846 8260D	250	06/20/2024 23:41	BST	A1
n-Butylbenzene	1.6	P1,P2,P 3,S4	mg/kg	0.55	0.16	SW846 8260D	250	06/20/2024 23:41	BST	A1
n-Propylbenzene	1.1	P1,P2,P 3,S4	mg/kg	0.27	0.090	SW846 8260D	250	06/20/2024 23:41	BST	A1
o-Chlorotoluene	0.071U	U,P1,P2 ,P3,S4	mg/kg	0.27	0.071	SW846 8260D	250	06/20/2024 23:41	BST	A1
o-Xylene	0.090U	U,P1,P2 ,P3,S4	mg/kg	0.27	0.090	SW846 8260D	250	06/20/2024 23:41	BST	A1
p-Chlorotoluene	0.090U	U,P1,P2 ,P3,S4	mg/kg	0.27	0.090	SW846 8260D	250	06/20/2024 23:41	BST	A1
p-Isopropyltoluene	0.087U	U,P1,P2 ,P3,S4	mg/kg	0.27	0.087	SW846 8260D	250	06/20/2024 23:41	BST	A1
sec-Butylbenzene	0.65	P1,P2,P 3,S4	mg/kg	0.27	0.085	SW846 8260D	250	06/20/2024 23:41	BST	A1
Styrene	0.066U	U,P1,P2 ,P3,S4	mg/kg	0.27	0.066	SW846 8260D	250	06/20/2024 23:41	BST	A1
tert-Butylbenzene	0.12U	U,P1,P2 ,P3,S4	mg/kg	0.55	0.12	SW846 8260D	250	06/20/2024 23:41	BST	A1
Tetrachloroethene	0.096U	U,P1,P2 ,P3,S4	mg/kg	0.27	0.096	SW846 8260D	250	06/20/2024 23:41	BST	A1
Toluene	0.063U	U,P1,P2 ,P3,S4	mg/kg	0.27	0.063	SW846 8260D	250	06/20/2024 23:41	BST	A1
Total Xylenes	0.18U	U,P1,P2 ,P3,S4	mg/kg	0.82	0.18	SW846 8260D	250	06/20/2024 23:41	BST	A1
trans-1,2-Dichloroethene	0.071U	U,P1,P2 ,P3,S4	mg/kg	0.27	0.071	SW846 8260D	250	06/20/2024 23:41	BST	A1
trans-1,3-Dichloropropene	0.079U	U,P1,P2 ,P3,S4	mg/kg	0.27	0.079	SW846 8260D	250	06/20/2024 23:41	BST	A1
Trichloroethene	0.090U	U,P1,P2 ,P3,S4	mg/kg	0.27	0.090	SW846 8260D	250	06/20/2024 23:41	BST	A1
Trichlorofluoromethane	0.066U	U,P1,P2 ,P3,S4	mg/kg	0.27	0.066	SW846 8260D	250	06/20/2024 23:41	BST	A1
Vinyl Chloride	0.082U	U,P1,P2 ,P3,S4	mg/kg	0.27	0.082	SW846 8260D	250	06/20/2024 23:41	BST	A1

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## Results

Client Sample ID	SB-36 (4-6)	Collected	06/07/2024 13:35
Lab Sample ID	3363931012	Lab Receipt	06/11/2024 15:50

### VOLATILE ORGANICS (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
<i>SURROGATES</i>										
Compound	CAS No			Recovery		Limits(%)		Analysis Date/Time		Qualifiers
1,2-Dichloroethane-d4	17060-07-0			98.2%		71 - 146		06/20/2024 23:41		
4-Bromofluorobenzene	460-00-4			100%		46 - 138		06/20/2024 23:41		
Dibromofluoromethane	1868-53-7			82.6%		42 - 143		06/20/2024 23:41		
Toluene-d8	2037-26-5			101%		54 - 141		06/20/2024 23:41		

### WET CHEMISTRY

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Moisture	13.5	P1,P2,P3,S4	%	0.1	0.01	S2540G-11	1	06/13/2024 14:19	J1K	A
Total Solids	86.5	P1,P2,P3,S4	%	0.1	0.01	S2540G-11	1	06/13/2024 14:19	J1K	A

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## Results

Client Sample ID	SB-35 (2-4)	Collected	06/07/2024 13:40
Lab Sample ID	3363931013	Lab Receipt	06/11/2024 15:50

### GASOLINE RANGE ORGANICS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Gasoline Range Organics	612	P1,P2,P3,S5	mg/kg	14.5	2.5	SW846 8015D	100	06/21/2024 03:22	JTH	A1

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
a,a,a-Trifluorotoluene	98-08-8	161*%	72 - 134	06/21/2024 03:22	

### PETROLEUM HC's

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Diesel Range Organics C10-C28	290	P1,P2,P3,S5	mg/kg	70.5	19.3	SW846 8015D	5	06/21/2024 18:49	KJH	A

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
o-Terphenyl	84-15-1	90.3%	36 - 122	06/21/2024 18:49	

### SEMIVOLATILE SIM

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,4-Dioxane	0.0033U	U,P1,P2,P3,S5	mg/kg	0.0066	0.0033	SW846 8270E SIM	1	06/21/2024 23:13	M1O	A
1-Methylnaphthalene	1.8	E,P1,P2,P3,S5	mg/kg	0.0066	0.0012	SW846 8270E SIM	1	06/21/2024 23:13	M1O	A
2-Methylnaphthalene	2.7	E,P1,P2,P3,S5	mg/kg	0.0066	0.0017	SW846 8270E SIM	1	06/21/2024 23:13	M1O	A
Acenaphthene	0.19	P1,P2,P3,S5	mg/kg	0.0066	0.0012	SW846 8270E SIM	1	06/21/2024 23:13	M1O	A
Acenaphthylene	0.0012U	U,P1,P2,P3,S5	mg/kg	0.0066	0.0012	SW846 8270E SIM	1	06/21/2024 23:13	M1O	A
Anthracene	0.083	P1,P2,P3,S5	mg/kg	0.0066	0.0011	SW846 8270E SIM	1	06/21/2024 23:13	M1O	A
Benzo(a)anthracene	0.0011U	U,P1,P2,P3,S5	mg/kg	0.0066	0.0011	SW846 8270E SIM	1	06/21/2024 23:13	M1O	A
Benzo(a)pyrene	0.0011U	U,P1,P2,P3,S5	mg/kg	0.0066	0.0011	SW846 8270E SIM	1	06/21/2024 23:13	M1O	A
Benzo(b)fluoranthene	0.0011U	U,P1,P2,P3,S5	mg/kg	0.0066	0.0011	SW846 8270E SIM	1	06/21/2024 23:13	M1O	A
Benzo(g,h,i)perylene	0.0013U	U,P1,P2,P3,S5	mg/kg	0.0066	0.0013	SW846 8270E SIM	1	06/21/2024 23:13	M1O	A
Benzo(k)fluoranthene	0.0012U	U,P1,P2,P3,S5	mg/kg	0.0066	0.0012	SW846 8270E SIM	1	06/21/2024 23:13	M1O	A
Chrysene	0.0046J	J,P1,P2,P3,S5	mg/kg	0.0066	0.0012	SW846 8270E SIM	1	06/21/2024 23:13	M1O	A
Dibenzo(a,h)anthracene	0.00092U	U,P1,P2,P3,S5	mg/kg	0.0066	0.00092	SW846 8270E SIM	1	06/21/2024 23:13	M1O	A
Fluoranthene	0.0012U	U,P1,P2,P3,S5	mg/kg	0.0066	0.0012	SW846 8270E SIM	1	06/21/2024 23:13	M1O	A
Fluorene	0.36	P1,P2,P3,S5	mg/kg	0.0066	0.0013	SW846 8270E SIM	1	06/21/2024 23:13	M1O	A
Indeno(1,2,3-cd)pyrene	0.0011U	U,P1,P2,P3,S5	mg/kg	0.0066	0.0011	SW846 8270E SIM	1	06/21/2024 23:13	M1O	A
Naphthalene	0.53	P1,P2,P3,S5	mg/kg	0.0066	0.0015	SW846 8270E SIM	1	06/21/2024 23:13	M1O	A
Phenanthrene	1.2	E,P1,P2,P3,S5	mg/kg	0.0066	0.0015	SW846 8270E SIM	1	06/21/2024 23:13	M1O	A



## Results

Client Sample ID	SB-35 (2-4)	Collected	06/07/2024 13:40
Lab Sample ID	3363931013	Lab Receipt	06/11/2024 15:50

### SEMIVOLATILE SIM (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Pyrene	0.020	P1,P2,P3,S5	mg/kg	0.0066	0.0011	SW846 8270E SIM	1	06/21/2024 23:13	M1O	A

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
2-Methylnaphthalene-d10	7297-45-2	83.7%	50 - 150	06/21/2024 23:13	
Fluoranthene-d10	93951-69-0	94.3%	50 - 150	06/21/2024 23:13	

### SEMIVOLATILES

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1-Methylnaphthalene	2.2	P1,P2,P3,S5	mg/kg	0.13	0.022	SW846 8270E	1	06/21/2024 03:09	M1O	A
2-Methylnaphthalene	3.5	P1,P2,P3,S5	mg/kg	0.13	0.022	SW846 8270E	1	06/21/2024 03:09	M1O	A
Acenaphthene	0.022U	U,P1,P2,P3,S5	mg/kg	0.066	0.022	SW846 8270E	1	06/21/2024 03:09	M1O	A
Acenaphthylene	0.022U	U,P1,P2,P3,S5	mg/kg	0.066	0.022	SW846 8270E	1	06/21/2024 03:09	M1O	A
Anthracene	0.022U	U,P1,P2,P3,S5	mg/kg	0.066	0.022	SW846 8270E	1	06/21/2024 03:09	M1O	A
Benzo(a)anthracene	0.022U	U,P1,P2,P3,S5	mg/kg	0.066	0.022	SW846 8270E	1	06/21/2024 03:09	M1O	A
Benzo(a)pyrene	0.022U	U,P1,P2,P3,S5	mg/kg	0.066	0.022	SW846 8270E	1	06/21/2024 03:09	M1O	A
Benzo(b)fluoranthene	0.022U	U,P1,P2,P3,S5	mg/kg	0.066	0.022	SW846 8270E	1	06/21/2024 03:09	M1O	A
Benzo(g,h,i)perylene	0.022U	U,P1,P2,P3,S5	mg/kg	0.066	0.022	SW846 8270E	1	06/21/2024 03:09	M1O	A
Benzo(k)fluoranthene	0.022U	U,P1,P2,P3,S5	mg/kg	0.066	0.022	SW846 8270E	1	06/21/2024 03:09	M1O	A
Carbazole	0.022U	U,P1,P2,P3,S5	mg/kg	0.13	0.022	SW846 8270E	1	06/21/2024 03:09	M1O	A
Chrysene	0.022U	U,P1,P2,P3,S5	mg/kg	0.066	0.022	SW846 8270E	1	06/21/2024 03:09	M1O	A
Dibenzo(a,h)anthracene	0.022U	U,P1,P2,P3,S5	mg/kg	0.066	0.022	SW846 8270E	1	06/21/2024 03:09	M1O	A
Dibenzofuran	0.16	P1,P2,P3,S5	mg/kg	0.13	0.022	SW846 8270E	1	06/21/2024 03:09	M1O	A
Fluoranthene	0.022U	U,P1,P2,P3,S5	mg/kg	0.066	0.022	SW846 8270E	1	06/21/2024 03:09	M1O	A
Fluorene	0.40	P1,P2,P3,S5	mg/kg	0.066	0.022	SW846 8270E	1	06/21/2024 03:09	M1O	A
Indeno(1,2,3-cd)pyrene	0.022U	U,P1,P2,P3,S5	mg/kg	0.066	0.022	SW846 8270E	1	06/21/2024 03:09	M1O	A
Naphthalene	0.54	P1,P2,P3,S5	mg/kg	0.066	0.022	SW846 8270E	1	06/21/2024 03:09	M1O	A
Phenanthrene	1.2	P1,P2,P3,S5	mg/kg	0.066	0.022	SW846 8270E	1	06/21/2024 03:09	M1O	A
Pyrene	0.022U	U,P1,P2,P3,S5	mg/kg	0.066	0.022	SW846 8270E	1	06/21/2024 03:09	M1O	A

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
2-Fluorobiphenyl	321-60-8	66.2%	40 - 110	06/21/2024 03:09	
2-Fluorophenol	367-12-4	63.7%	26 - 116	06/21/2024 03:09	
Nitrobenzene-d5	4165-60-0	63.4%	38 - 112	06/21/2024 03:09	
Phenol-d5	4165-62-2	69%	35 - 111	06/21/2024 03:09	
Terphenyl-d14	98904-43-9	82.4%	45 - 126	06/21/2024 03:09	





## Results

Client Sample ID	SB-35 (2-4)	Collected	06/07/2024 13:40
Lab Sample ID	3363931013	Lab Receipt	06/11/2024 15:50

### VOLATILE ORGANICS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1-Trichloroethane	0.080U	U,P1,P2,P3,S5	mg/kg	0.36	0.080	SW846 8260D	250	06/21/2024 00:01	BST	A1
1,1,2,2-Tetrachloroethane	0.12U	U,P1,P2,P3,S5	mg/kg	0.36	0.12	SW846 8260D	250	06/21/2024 00:01	BST	A1
1,1,2-Trichloroethane	0.12U	U,P1,P2,P3,S5	mg/kg	0.36	0.12	SW846 8260D	250	06/21/2024 00:01	BST	A1
1,1-Dichloroethane	0.10U	U,P1,P2,P3,S5	mg/kg	0.36	0.10	SW846 8260D	250	06/21/2024 00:01	BST	A1
1,1-Dichloroethene	0.10U	U,P1,P2,P3,S5	mg/kg	0.36	0.10	SW846 8260D	250	06/21/2024 00:01	BST	A1
1,1-Dichloropropene	0.098U	U,P1,P2,P3,S5	mg/kg	0.36	0.098	SW846 8260D	250	06/21/2024 00:01	BST	A1
1,2,3-Trichlorobenzene	0.34U	U,P1,P2,P3,S5	mg/kg	0.72	0.34	SW846 8260D	250	06/21/2024 00:01	BST	A1
1,2,3-Trichloropropane	0.22U	U,P1,P2,P3,S5	mg/kg	0.72	0.22	SW846 8260D	250	06/21/2024 00:01	BST	A1
1,2,4-Trichlorobenzene	0.30U	U,P1,P2,P3,S5	mg/kg	0.72	0.30	SW846 8260D	250	06/21/2024 00:01	BST	A1
1,2,4-Trimethylbenzene	15.2	P1,P2,P3,S5	mg/kg	0.36	0.090	SW846 8260D	250	06/21/2024 00:01	BST	A1
1,2-Dibromo-3-chloropropane	0.54U	U,P1,P2,P3,S5	mg/kg	2.5	0.54	SW846 8260D	250	06/21/2024 00:01	BST	A1
1,2-Dibromoethane	0.10U	U,P1,P2,P3,S5	mg/kg	0.36	0.10	SW846 8260D	250	06/21/2024 00:01	BST	A1
1,2-Dichlorobenzene	0.14U	U,P1,P2,P3,S5	mg/kg	0.36	0.14	SW846 8260D	250	06/21/2024 00:01	BST	A1
1,2-Dichloroethane	0.12U	U,P1,P2,P3,S5	mg/kg	0.36	0.12	SW846 8260D	250	06/21/2024 00:01	BST	A1
1,2-Dichloropropane	0.087U	U,P1,P2,P3,S5	mg/kg	0.36	0.087	SW846 8260D	250	06/21/2024 00:01	BST	A1
1,3,5-Trimethylbenzene	0.072U	U,P1,P2,P3,S5	mg/kg	0.36	0.072	SW846 8260D	250	06/21/2024 00:01	BST	A1
1,3-Dichlorobenzene	0.090U	U,P1,P2,P3,S5	mg/kg	0.36	0.090	SW846 8260D	250	06/21/2024 00:01	BST	A1
1,3-Dichloropropane	0.098U	U,P1,P2,P3,S5	mg/kg	0.36	0.098	SW846 8260D	250	06/21/2024 00:01	BST	A1
1,4-Dichlorobenzene	0.098U	U,P1,P2,P3,S5	mg/kg	0.36	0.098	SW846 8260D	250	06/21/2024 00:01	BST	A1
2,2-Dichloropropane	0.12U	U,P1,P2,P3,S5	mg/kg	0.36	0.12	SW846 8260D	250	06/21/2024 00:01	BST	A1
2-Butanone	0.65U	U,P1,P2,P3,S5	mg/kg	3.6	0.65	SW846 8260D	250	06/21/2024 00:01	BST	A1
2-Hexanone	0.47U	U,P1,P2,P3,S5	mg/kg	1.8	0.47	SW846 8260D	250	06/21/2024 00:01	BST	A1
4-Methyl-2-Pentanone(MIBK)	5.0	P1,P2,P3,S5	mg/kg	1.8	0.54	SW846 8260D	250	06/21/2024 00:01	BST	A1
Acetone	1.1U	U,P1,P2,P3,S5	mg/kg	3.6	1.1	SW846 8260D	250	06/21/2024 00:01	BST	A1
Benzene	0.083U	U,P1,P2,P3,S5	mg/kg	0.36	0.083	SW846 8260D	250	06/21/2024 00:01	BST	A1
Bromobenzene	0.12U	U,P1,P2,P3,S5	mg/kg	0.36	0.12	SW846 8260D	250	06/21/2024 00:01	BST	A1
Bromochloromethane	0.12U	U,P1,P2,P3,S5	mg/kg	0.36	0.12	SW846 8260D	250	06/21/2024 00:01	BST	A1
Bromodichloromethane	0.098U	U,P1,P2,P3,S5	mg/kg	0.36	0.098	SW846 8260D	250	06/21/2024 00:01	BST	A1
Bromoform	0.14U	U,P1,P2,P3,S5	mg/kg	0.36	0.14	SW846 8260D	250	06/21/2024 00:01	BST	A1
Bromomethane	0.14U	U,P1,P2,P3,S5	mg/kg	0.36	0.14	SW846 8260D	250	06/21/2024 00:01	BST	A1
Carbon Disulfide	0.083U	U,P1,P2,P3,S5	mg/kg	0.36	0.083	SW846 8260D	250	06/21/2024 00:01	BST	A1
Carbon Tetrachloride	0.11U	U,19,P1,P2,P3,S5	mg/kg	0.36	0.11	SW846 8260D	250	06/21/2024 00:01	BST	A1
Chlorobenzene	0.069U	U,P1,P2,P3,S5	mg/kg	0.36	0.069	SW846 8260D	250	06/21/2024 00:01	BST	A1
Chlorodibromomethane	0.16U	U,P1,P2,P3,S5	mg/kg	0.36	0.16	SW846 8260D	250	06/21/2024 00:01	BST	A1
Chloroethane	0.12U	U,P1,P2,P3,S5	mg/kg	0.36	0.12	SW846 8260D	250	06/21/2024 00:01	BST	A1

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**Results**

Client Sample ID	SB-35 (2-4)	Collected	06/07/2024 13:40
Lab Sample ID	3363931013	Lab Receipt	06/11/2024 15:50

**VOLATILE ORGANICS (cont.)**

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Chloroform	0.076U	U,P1,P2 ,P3,S5	mg/kg	0.36	0.076	SW846 8260D	250	06/21/2024 00:01	BST	A1
Chloromethane	0.11U	U,P1,P2 ,P3,S5	mg/kg	0.36	0.11	SW846 8260D	250	06/21/2024 00:01	BST	A1
cis-1,2-Dichloroethene	0.12U	U,P1,P2 ,P3,S5	mg/kg	0.36	0.12	SW846 8260D	250	06/21/2024 00:01	BST	A1
cis-1,3-Dichloropropene	0.11U	U,P1,P2 ,P3,S5	mg/kg	0.36	0.11	SW846 8260D	250	06/21/2024 00:01	BST	A1
Dibromomethane	0.11U	U,P1,P2 ,P3,S5	mg/kg	0.36	0.11	SW846 8260D	250	06/21/2024 00:01	BST	A1
Dichlorodifluoromethane	0.12U	U,P1,P2 ,P3,S5	mg/kg	0.36	0.12	SW846 8260D	250	06/21/2024 00:01	BST	A1
Ethylbenzene	1.1	P1,P2,P 3,S5	mg/kg	0.36	0.12	SW846 8260D	250	06/21/2024 00:01	BST	A1
Freon 113	0.094U	U,P1,P2 ,P3,S5	mg/kg	0.36	0.094	SW846 8260D	250	06/21/2024 00:01	BST	A1
Hexachlorobutadiene	0.36U	U,P1,P2 ,P3,S5	mg/kg	1.8	0.36	SW846 8260D	250	06/21/2024 00:01	BST	A1
Isopropylbenzene	0.66	P1,P2,P 3,S5	mg/kg	0.36	0.080	SW846 8260D	250	06/21/2024 00:01	BST	A1
Methyl t-Butyl Ether	0.12U	U,P1,P2 ,P3,S5	mg/kg	0.36	0.12	SW846 8260D	250	06/21/2024 00:01	BST	A1
Methylene Chloride	0.16U	U,P1,P2 ,P3,S5	mg/kg	0.36	0.16	SW846 8260D	250	06/21/2024 00:01	BST	A1
mp-Xylene	1.7	P1,P2,P 3,S5	mg/kg	0.72	0.19	SW846 8260D	250	06/21/2024 00:01	BST	A1
Naphthalene	5.4	P1,P2,P 3,S5	mg/kg	0.72	0.12	SW846 8260D	250	06/21/2024 00:01	BST	A1
n-Butylbenzene	1.5	P1,P2,P 3,S5	mg/kg	0.72	0.22	SW846 8260D	250	06/21/2024 00:01	BST	A1
n-Propylbenzene	1.5	P1,P2,P 3,S5	mg/kg	0.36	0.12	SW846 8260D	250	06/21/2024 00:01	BST	A1
o-Chlorotoluene	0.094U	U,P1,P2 ,P3,S5	mg/kg	0.36	0.094	SW846 8260D	250	06/21/2024 00:01	BST	A1
o-Xylene	0.12U	U,P1,P2 ,P3,S5	mg/kg	0.36	0.12	SW846 8260D	250	06/21/2024 00:01	BST	A1
p-Chlorotoluene	0.12U	U,P1,P2 ,P3,S5	mg/kg	0.36	0.12	SW846 8260D	250	06/21/2024 00:01	BST	A1
p-Isopropyltoluene	0.88	P1,P2,P 3,S5	mg/kg	0.36	0.12	SW846 8260D	250	06/21/2024 00:01	BST	A1
sec-Butylbenzene	0.64	P1,P2,P 3,S5	mg/kg	0.36	0.11	SW846 8260D	250	06/21/2024 00:01	BST	A1
Styrene	0.087U	U,P1,P2 ,P3,S5	mg/kg	0.36	0.087	SW846 8260D	250	06/21/2024 00:01	BST	A1
tert-Butylbenzene	0.16U	U,P1,P2 ,P3,S5	mg/kg	0.72	0.16	SW846 8260D	250	06/21/2024 00:01	BST	A1
Tetrachloroethene	0.13U	U,P1,P2 ,P3,S5	mg/kg	0.36	0.13	SW846 8260D	250	06/21/2024 00:01	BST	A1
Toluene	0.083U	U,P1,P2 ,P3,S5	mg/kg	0.36	0.083	SW846 8260D	250	06/21/2024 00:01	BST	A1
Total Xylenes	1.7	P1,P2,P 3,S5	mg/kg	1.1	0.24	SW846 8260D	250	06/21/2024 00:01	BST	A1
trans-1,2-Dichloroethene	0.094U	U,P1,P2 ,P3,S5	mg/kg	0.36	0.094	SW846 8260D	250	06/21/2024 00:01	BST	A1
trans-1,3-Dichloropropene	0.10U	U,P1,P2 ,P3,S5	mg/kg	0.36	0.10	SW846 8260D	250	06/21/2024 00:01	BST	A1
Trichloroethene	0.12U	U,P1,P2 ,P3,S5	mg/kg	0.36	0.12	SW846 8260D	250	06/21/2024 00:01	BST	A1
Trichlorofluoromethane	0.087U	U,P1,P2 ,P3,S5	mg/kg	0.36	0.087	SW846 8260D	250	06/21/2024 00:01	BST	A1
Vinyl Chloride	0.11U	U,P1,P2 ,P3,S5	mg/kg	0.36	0.11	SW846 8260D	250	06/21/2024 00:01	BST	A1

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## Results

Client Sample ID	SB-35 (2-4)	Collected	06/07/2024 13:40
Lab Sample ID	3363931013	Lab Receipt	06/11/2024 15:50

### VOLATILE ORGANICS (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
<i>SURROGATES</i>										
Compound	CAS No			Recovery		Limits(%)		Analysis Date/Time		Qualifiers
1,2-Dichloroethane-d4	17060-07-0			94.9%		71 – 146		06/21/2024 00:01		
4-Bromofluorobenzene	460-00-4			97.2%		46 – 138		06/21/2024 00:01		
Dibromofluoromethane	1868-53-7			83.3%		42 – 143		06/21/2024 00:01		
Toluene-d8	2037-26-5			97.3%		54 – 141		06/21/2024 00:01		

### WET CHEMISTRY

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Moisture	25.8	P1,P2,P 3,S5	%	0.1	0.01	S2540G-11	1	06/13/2024 14:19	J1K	A
Total Solids	74.2	P1,P2,P 3,S5	%	0.1	0.01	S2540G-11	1	06/13/2024 14:19	J1K	A

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## Results

Client Sample ID	SB-35 (4-6)	Collected	06/07/2024 13:40
Lab Sample ID	3363931014	Lab Receipt	06/11/2024 15:50

### GASOLINE RANGE ORGANICS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Gasoline Range Organics	416	P1,P2,P3,S6	mg/kg	11.5	2.0	SW846 8015D	100	06/19/2024 20:46	JTH	A1

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
a,a,a-Trifluorotoluene	98-08-8	134%	72 - 134	06/19/2024 20:46	

### PETROLEUM HC's

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Diesel Range Organics C10-C28	185	P1,P2,P3,S6	mg/kg	62.1	17.0	SW846 8015D	5	06/21/2024 19:22	KJH	A

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
o-Terphenyl	84-15-1	89%	36 - 122	06/21/2024 19:22	

### SEMIVOLATILE SIM

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,4-Dioxane	0.0028U	U,P1,P2,P3,S6	mg/kg	0.0057	0.0028	SW846 8270E SIM	1	06/21/2024 23:40	M1O	A
1-Methylnaphthalene	0.35	P1,P2,P3,S6	mg/kg	0.0057	0.0010	SW846 8270E SIM	1	06/21/2024 23:40	M1O	A
2-Methylnaphthalene	0.57	P1,P2,P3,S6	mg/kg	0.0057	0.0015	SW846 8270E SIM	1	06/21/2024 23:40	M1O	A
Acenaphthene	0.046	P1,P2,P3,S6	mg/kg	0.0057	0.0010	SW846 8270E SIM	1	06/21/2024 23:40	M1O	A
Acenaphthylene	0.0010U	U,P1,P2,P3,S6	mg/kg	0.0057	0.0010	SW846 8270E SIM	1	06/21/2024 23:40	M1O	A
Anthracene	0.038	P1,P2,P3,S6	mg/kg	0.0057	0.00091	SW846 8270E SIM	1	06/21/2024 23:40	M1O	A
Benzo(a)anthracene	0.00091U	U,P1,P2,P3,S6	mg/kg	0.0057	0.00091	SW846 8270E SIM	1	06/21/2024 23:40	M1O	A
Benzo(a)pyrene	0.00091U	U,P1,P2,P3,S6	mg/kg	0.0057	0.00091	SW846 8270E SIM	1	06/21/2024 23:40	M1O	A
Benzo(b)fluoranthene	0.00091U	U,P1,P2,P3,S6	mg/kg	0.0057	0.00091	SW846 8270E SIM	1	06/21/2024 23:40	M1O	A
Benzo(g,h,i)perylene	0.0011U	U,P1,P2,P3,S6	mg/kg	0.0057	0.0011	SW846 8270E SIM	1	06/21/2024 23:40	M1O	A
Benzo(k)fluoranthene	0.0010U	U,P1,P2,P3,S6	mg/kg	0.0057	0.0010	SW846 8270E SIM	1	06/21/2024 23:40	M1O	A
Chrysene	0.0010U	U,P1,P2,P3,S6	mg/kg	0.0057	0.0010	SW846 8270E SIM	1	06/21/2024 23:40	M1O	A
Dibenzo(a,h)anthracene	0.00079U	U,P1,P2,P3,S6	mg/kg	0.0057	0.00079	SW846 8270E SIM	1	06/21/2024 23:40	M1O	A
Fluoranthene	0.0010U	U,P1,P2,P3,S6	mg/kg	0.0057	0.0010	SW846 8270E SIM	1	06/21/2024 23:40	M1O	A
Fluorene	0.14	P1,P2,P3,S6	mg/kg	0.0057	0.0011	SW846 8270E SIM	1	06/21/2024 23:40	M1O	A
Indeno(1,2,3-cd)pyrene	0.00091U	U,P1,P2,P3,S6	mg/kg	0.0057	0.00091	SW846 8270E SIM	1	06/21/2024 23:40	M1O	A
Naphthalene	0.14	P1,P2,P3,S6	mg/kg	0.0057	0.0012	SW846 8270E SIM	1	06/21/2024 23:40	M1O	A
Phenanthrene	0.53	P1,P2,P3,S6	mg/kg	0.0057	0.0012	SW846 8270E SIM	1	06/21/2024 23:40	M1O	A



## Results

Client Sample ID	SB-35 (4-6)	Collected	06/07/2024 13:40
Lab Sample ID	3363931014	Lab Receipt	06/11/2024 15:50

### SEMIVOLATILE SIM (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Pyrene	0.011	P1,P2,P3,S6	mg/kg	0.0057	0.00091	SW846 8270E SIM	1	06/21/2024 23:40	M1O	A

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
2-Methylnaphthalene-d10	7297-45-2	77.6%	50 - 150	06/21/2024 23:40	
Fluoranthene-d10	93951-69-0	93.2%	50 - 150	06/21/2024 23:40	

### SEMIVOLATILES

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1-Methylnaphthalene	0.38	P1,P2,P3,S6	mg/kg	0.11	0.019	SW846 8270E	1	06/21/2024 03:35	M1O	A
2-Methylnaphthalene	0.60	P1,P2,P3,S6	mg/kg	0.11	0.019	SW846 8270E	1	06/21/2024 03:35	M1O	A
Acenaphthene	0.019U	U,P1,P2,P3,S6	mg/kg	0.057	0.019	SW846 8270E	1	06/21/2024 03:35	M1O	A
Acenaphthylene	0.019U	U,P1,P2,P3,S6	mg/kg	0.057	0.019	SW846 8270E	1	06/21/2024 03:35	M1O	A
Anthracene	0.019U	U,P1,P2,P3,S6	mg/kg	0.057	0.019	SW846 8270E	1	06/21/2024 03:35	M1O	A
Benzo(a)anthracene	0.019U	U,P1,P2,P3,S6	mg/kg	0.057	0.019	SW846 8270E	1	06/21/2024 03:35	M1O	A
Benzo(a)pyrene	0.019U	U,P1,P2,P3,S6	mg/kg	0.057	0.019	SW846 8270E	1	06/21/2024 03:35	M1O	A
Benzo(b)fluoranthene	0.019U	U,P1,P2,P3,S6	mg/kg	0.057	0.019	SW846 8270E	1	06/21/2024 03:35	M1O	A
Benzo(g,h,i)perylene	0.019U	U,P1,P2,P3,S6	mg/kg	0.057	0.019	SW846 8270E	1	06/21/2024 03:35	M1O	A
Benzo(k)fluoranthene	0.019U	U,P1,P2,P3,S6	mg/kg	0.057	0.019	SW846 8270E	1	06/21/2024 03:35	M1O	A
Carbazole	0.019U	U,P1,P2,P3,S6	mg/kg	0.11	0.019	SW846 8270E	1	06/21/2024 03:35	M1O	A
Chrysene	0.019U	U,P1,P2,P3,S6	mg/kg	0.057	0.019	SW846 8270E	1	06/21/2024 03:35	M1O	A
Dibenzo(a,h)anthracene	0.019U	U,P1,P2,P3,S6	mg/kg	0.057	0.019	SW846 8270E	1	06/21/2024 03:35	M1O	A
Dibenzofuran	0.065J	J,P1,P2,P3,S6	mg/kg	0.11	0.019	SW846 8270E	1	06/21/2024 03:35	M1O	A
Fluoranthene	0.019U	U,P1,P2,P3,S6	mg/kg	0.057	0.019	SW846 8270E	1	06/21/2024 03:35	M1O	A
Fluorene	0.16	P1,P2,P3,S6	mg/kg	0.057	0.019	SW846 8270E	1	06/21/2024 03:35	M1O	A
Indeno(1,2,3-cd)pyrene	0.019U	U,P1,P2,P3,S6	mg/kg	0.057	0.019	SW846 8270E	1	06/21/2024 03:35	M1O	A
Naphthalene	0.15	P1,P2,P3,S6	mg/kg	0.057	0.019	SW846 8270E	1	06/21/2024 03:35	M1O	A
Phenanthrene	0.56	P1,P2,P3,S6	mg/kg	0.057	0.019	SW846 8270E	1	06/21/2024 03:35	M1O	A
Pyrene	0.019U	U,P1,P2,P3,S6	mg/kg	0.057	0.019	SW846 8270E	1	06/21/2024 03:35	M1O	A

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
2-Fluorobiphenyl	321-60-8	67.6%	40 - 110	06/21/2024 03:35	
2-Fluorophenol	367-12-4	68.9%	26 - 116	06/21/2024 03:35	
Nitrobenzene-d5	4165-60-0	70.4%	38 - 112	06/21/2024 03:35	
Phenol-d5	4165-62-2	74.6%	35 - 111	06/21/2024 03:35	
Terphenyl-d14	98904-43-9	90.1%	45 - 126	06/21/2024 03:35	



**Results**

Client Sample ID	SB-35 (4-6)	Collected	06/07/2024 13:40
Lab Sample ID	3363931014	Lab Receipt	06/11/2024 15:50

**VOLATILE ORGANICS**

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1-Trichloroethane	0.063U	U,P1,P2 ,P3,S6	mg/kg	0.29	0.063	SW846 8260D	250	06/21/2024 00:22	BST	A1
1,1,2,2-Tetrachloroethane	0.098U	U,P1,P2 ,P3,S6	mg/kg	0.29	0.098	SW846 8260D	250	06/21/2024 00:22	BST	A1
1,1,2-Trichloroethane	0.095U	U,P1,P2 ,P3,S6	mg/kg	0.29	0.095	SW846 8260D	250	06/21/2024 00:22	BST	A1
1,1-Dichloroethane	0.081U	U,P1,P2 ,P3,S6	mg/kg	0.29	0.081	SW846 8260D	250	06/21/2024 00:22	BST	A1
1,1-Dichloroethene	0.083U	U,P1,P2 ,P3,S6	mg/kg	0.29	0.083	SW846 8260D	250	06/21/2024 00:22	BST	A1
1,1-Dichloropropene	0.078U	U,P1,P2 ,P3,S6	mg/kg	0.29	0.078	SW846 8260D	250	06/21/2024 00:22	BST	A1
1,2,3-Trichlorobenzene	0.27U	U,P1,P2 ,P3,S6	mg/kg	0.58	0.27	SW846 8260D	250	06/21/2024 00:22	BST	A1
1,2,3-Trichloropropane	0.17U	U,P1,P2 ,P3,S6	mg/kg	0.58	0.17	SW846 8260D	250	06/21/2024 00:22	BST	A1
1,2,4-Trichlorobenzene	0.24U	U,P1,P2 ,P3,S6	mg/kg	0.58	0.24	SW846 8260D	250	06/21/2024 00:22	BST	A1
1,2,4-Trimethylbenzene	10.6	P1,P2,P 3,S6	mg/kg	0.29	0.072	SW846 8260D	250	06/21/2024 00:22	BST	A1
1,2-Dibromo-3-chloropropane	0.43U	U,P1,P2 ,P3,S6	mg/kg	2.0	0.43	SW846 8260D	250	06/21/2024 00:22	BST	A1
1,2-Dibromoethane	0.081U	U,P1,P2 ,P3,S6	mg/kg	0.29	0.081	SW846 8260D	250	06/21/2024 00:22	BST	A1
1,2-Dichlorobenzene	0.11U	U,P1,P2 ,P3,S6	mg/kg	0.29	0.11	SW846 8260D	250	06/21/2024 00:22	BST	A1
1,2-Dichloroethane	0.092U	U,P1,P2 ,P3,S6	mg/kg	0.29	0.092	SW846 8260D	250	06/21/2024 00:22	BST	A1
1,2-Dichloropropane	0.069U	U,P1,P2 ,P3,S6	mg/kg	0.29	0.069	SW846 8260D	250	06/21/2024 00:22	BST	A1
1,3,5-Trimethylbenzene	0.058U	U,P1,P2 ,P3,S6	mg/kg	0.29	0.058	SW846 8260D	250	06/21/2024 00:22	BST	A1
1,3-Dichlorobenzene	0.072U	U,P1,P2 ,P3,S6	mg/kg	0.29	0.072	SW846 8260D	250	06/21/2024 00:22	BST	A1
1,3-Dichloropropane	0.078U	U,P1,P2 ,P3,S6	mg/kg	0.29	0.078	SW846 8260D	250	06/21/2024 00:22	BST	A1
1,4-Dichlorobenzene	0.078U	U,P1,P2 ,P3,S6	mg/kg	0.29	0.078	SW846 8260D	250	06/21/2024 00:22	BST	A1
2,2-Dichloropropane	0.092U	U,P1,P2 ,P3,S6	mg/kg	0.29	0.092	SW846 8260D	250	06/21/2024 00:22	BST	A1
2-Butanone	0.52U	U,P1,P2 ,P3,S6	mg/kg	2.9	0.52	SW846 8260D	250	06/21/2024 00:22	BST	A1
2-Hexanone	0.37U	U,P1,P2 ,P3,S6	mg/kg	1.4	0.37	SW846 8260D	250	06/21/2024 00:22	BST	A1
4-Methyl-2-Pentanone(MIBK)	3.3	P1,P2,P 3,S6	mg/kg	1.4	0.43	SW846 8260D	250	06/21/2024 00:22	BST	A1
Acetone	0.89U	U,P1,P2 ,P3,S6	mg/kg	2.9	0.89	SW846 8260D	250	06/21/2024 00:22	BST	A1
Benzene	0.066U	U,P1,P2 ,P3,S6	mg/kg	0.29	0.066	SW846 8260D	250	06/21/2024 00:22	BST	A1
Bromobenzene	0.092U	U,P1,P2 ,P3,S6	mg/kg	0.29	0.092	SW846 8260D	250	06/21/2024 00:22	BST	A1
Bromochloromethane	0.092U	U,P1,P2 ,P3,S6	mg/kg	0.29	0.092	SW846 8260D	250	06/21/2024 00:22	BST	A1
Bromodichloromethane	0.078U	U,P1,P2 ,P3,S6	mg/kg	0.29	0.078	SW846 8260D	250	06/21/2024 00:22	BST	A1
Bromoform	0.12U	U,P1,P2 ,P3,S6	mg/kg	0.29	0.12	SW846 8260D	250	06/21/2024 00:22	BST	A1
Bromomethane	0.11U	U,P1,P2 ,P3,S6	mg/kg	0.29	0.11	SW846 8260D	250	06/21/2024 00:22	BST	A1
Carbon Disulfide	0.066U	U,P1,P2 ,P3,S6	mg/kg	0.29	0.066	SW846 8260D	250	06/21/2024 00:22	BST	A1
Carbon Tetrachloride	0.089U	U,19,P1, P2,P3,S 6	mg/kg	0.29	0.089	SW846 8260D	250	06/21/2024 00:22	BST	A1
Chlorobenzene	0.055U	U,P1,P2 ,P3,S6	mg/kg	0.29	0.055	SW846 8260D	250	06/21/2024 00:22	BST	A1
Chlorodibromomethane	0.13U	U,P1,P2 ,P3,S6	mg/kg	0.29	0.13	SW846 8260D	250	06/21/2024 00:22	BST	A1
Chloroethane	0.095U	U,P1,P2 ,P3,S6	mg/kg	0.29	0.095	SW846 8260D	250	06/21/2024 00:22	BST	A1

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**Results**

Client Sample ID	SB-35 (4-6)	Collected	06/07/2024 13:40
Lab Sample ID	3363931014	Lab Receipt	06/11/2024 15:50

**VOLATILE ORGANICS (cont.)**

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Chloroform	0.060U	U,P1,P2 ,P3,S6	mg/kg	0.29	0.060	SW846 8260D	250	06/21/2024 00:22	BST	A1
Chloromethane	0.089U	U,P1,P2 ,P3,S6	mg/kg	0.29	0.089	SW846 8260D	250	06/21/2024 00:22	BST	A1
cis-1,2-Dichloroethene	0.092U	U,P1,P2 ,P3,S6	mg/kg	0.29	0.092	SW846 8260D	250	06/21/2024 00:22	BST	A1
cis-1,3-Dichloropropene	0.089U	U,P1,P2 ,P3,S6	mg/kg	0.29	0.089	SW846 8260D	250	06/21/2024 00:22	BST	A1
Dibromomethane	0.089U	U,P1,P2 ,P3,S6	mg/kg	0.29	0.089	SW846 8260D	250	06/21/2024 00:22	BST	A1
Dichlorodifluoromethane	0.095U	U,P1,P2 ,P3,S6	mg/kg	0.29	0.095	SW846 8260D	250	06/21/2024 00:22	BST	A1
Ethylbenzene	0.50	P1,P2,P 3,S6	mg/kg	0.29	0.098	SW846 8260D	250	06/21/2024 00:22	BST	A1
Freon 113	0.075U	U,P1,P2 ,P3,S6	mg/kg	0.29	0.075	SW846 8260D	250	06/21/2024 00:22	BST	A1
Hexachlorobutadiene	0.29U	U,P1,P2 ,P3,S6	mg/kg	1.4	0.29	SW846 8260D	250	06/21/2024 00:22	BST	A1
Isopropylbenzene	0.44	P1,P2,P 3,S6	mg/kg	0.29	0.063	SW846 8260D	250	06/21/2024 00:22	BST	A1
Methyl t-Butyl Ether	0.095U	U,P1,P2 ,P3,S6	mg/kg	0.29	0.095	SW846 8260D	250	06/21/2024 00:22	BST	A1
Methylene Chloride	0.13U	U,P1,P2 ,P3,S6	mg/kg	0.29	0.13	SW846 8260D	250	06/21/2024 00:22	BST	A1
mp-Xylene	0.92	P1,P2,P 3,S6	mg/kg	0.58	0.15	SW846 8260D	250	06/21/2024 00:22	BST	A1
Naphthalene	5.5	P1,P2,P 3,S6	mg/kg	0.58	0.098	SW846 8260D	250	06/21/2024 00:22	BST	A1
n-Butylbenzene	1.3	P1,P2,P 3,S6	mg/kg	0.58	0.17	SW846 8260D	250	06/21/2024 00:22	BST	A1
n-Propylbenzene	1.1	P1,P2,P 3,S6	mg/kg	0.29	0.095	SW846 8260D	250	06/21/2024 00:22	BST	A1
o-Chlorotoluene	0.075U	U,P1,P2 ,P3,S6	mg/kg	0.29	0.075	SW846 8260D	250	06/21/2024 00:22	BST	A1
o-Xylene	0.095U	U,P1,P2 ,P3,S6	mg/kg	0.29	0.095	SW846 8260D	250	06/21/2024 00:22	BST	A1
p-Chlorotoluene	0.095U	U,P1,P2 ,P3,S6	mg/kg	0.29	0.095	SW846 8260D	250	06/21/2024 00:22	BST	A1
p-Isopropyltoluene	0.67	P1,P2,P 3,S6	mg/kg	0.29	0.092	SW846 8260D	250	06/21/2024 00:22	BST	A1
sec-Butylbenzene	0.46	P1,P2,P 3,S6	mg/kg	0.29	0.089	SW846 8260D	250	06/21/2024 00:22	BST	A1
Styrene	0.069U	U,P1,P2 ,P3,S6	mg/kg	0.29	0.069	SW846 8260D	250	06/21/2024 00:22	BST	A1
tert-Butylbenzene	0.13U	U,P1,P2 ,P3,S6	mg/kg	0.58	0.13	SW846 8260D	250	06/21/2024 00:22	BST	A1
Tetrachloroethene	0.10U	U,P1,P2 ,P3,S6	mg/kg	0.29	0.10	SW846 8260D	250	06/21/2024 00:22	BST	A1
Toluene	0.066U	U,P1,P2 ,P3,S6	mg/kg	0.29	0.066	SW846 8260D	250	06/21/2024 00:22	BST	A1
Total Xylenes	0.92	P1,P2,P 3,S6	mg/kg	0.86	0.19	SW846 8260D	250	06/21/2024 00:22	BST	A1
trans-1,2-Dichloroethene	0.075U	U,P1,P2 ,P3,S6	mg/kg	0.29	0.075	SW846 8260D	250	06/21/2024 00:22	BST	A1
trans-1,3-Dichloropropene	0.083U	U,P1,P2 ,P3,S6	mg/kg	0.29	0.083	SW846 8260D	250	06/21/2024 00:22	BST	A1
Trichloroethene	0.095U	U,P1,P2 ,P3,S6	mg/kg	0.29	0.095	SW846 8260D	250	06/21/2024 00:22	BST	A1
Trichlorofluoromethane	0.069U	U,P1,P2 ,P3,S6	mg/kg	0.29	0.069	SW846 8260D	250	06/21/2024 00:22	BST	A1
Vinyl Chloride	0.086U	U,P1,P2 ,P3,S6	mg/kg	0.29	0.086	SW846 8260D	250	06/21/2024 00:22	BST	A1

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## Results

Client Sample ID	SB-35 (4-6)	Collected	06/07/2024 13:40
Lab Sample ID	3363931014	Lab Receipt	06/11/2024 15:50

### VOLATILE ORGANICS (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
<i>SURROGATES</i>										
Compound	CAS No			Recovery		Limits(%)		Analysis Date/Time		Qualifiers
1,2-Dichloroethane-d4	17060-07-0			95.5%		71 - 146		06/21/2024 00:22		
4-Bromofluorobenzene	460-00-4			101%		46 - 138		06/21/2024 00:22		
Dibromofluoromethane	1868-53-7			83.1%		42 - 143		06/21/2024 00:22		
Toluene-d8	2037-26-5			98.2%		54 - 141		06/21/2024 00:22		

### WET CHEMISTRY

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Moisture	16.8	P1,P2,P 3,S6	%	0.1	0.01	S2540G-11	1	06/13/2024 14:19	J1K	A
Total Solids	83.2	P1,P2,P 3,S6	%	0.1	0.01	S2540G-11	1	06/13/2024 14:19	J1K	A

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## Results

Client Sample ID	SB-34 (0-2)	Collected	06/07/2024 13:55
Lab Sample ID	3363931015	Lab Receipt	06/11/2024 15:50

### GASOLINE RANGE ORGANICS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Gasoline Range Organics	9.9J	J,P1,P2,P3	mg/kg	15.1	2.6	SW846 8015D	100	06/19/2024 01:59	JTH	A1

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
a,a,a-Trifluorotoluene	98-08-8	87.1%	72 - 134	06/19/2024 01:59	

### PETROLEUM HC's

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Diesel Range Organics C10-C28	101	P1,P2,P3	mg/kg	13.9	3.8	SW846 8015D	1	06/21/2024 07:35	AJW	A

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
o-Terphenyl	84-15-1	78.2%	36 - 122	06/21/2024 07:35	

### SEMIVOLATILE SIM

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,4-Dioxane	0.0029U	U,P1,P2,P3	mg/kg	0.0058	0.0029	SW846 8270E SIM	1	06/22/2024 00:07	M1O	A
1-Methylnaphthalene	0.21	P1,P2,P3	mg/kg	0.0058	0.0010	SW846 8270E SIM	1	06/22/2024 00:07	M1O	A
2-Methylnaphthalene	0.29	P1,P2,P3	mg/kg	0.0058	0.0015	SW846 8270E SIM	1	06/22/2024 00:07	M1O	A
Acenaphthene	0.0010U	U,P1,P2,P3	mg/kg	0.0058	0.0010	SW846 8270E SIM	1	06/22/2024 00:07	M1O	A
Acenaphthylene	0.0068	P1,P2,P3	mg/kg	0.0058	0.0010	SW846 8270E SIM	1	06/22/2024 00:07	M1O	A
Anthracene	0.0078	P1,P2,P3	mg/kg	0.0058	0.00093	SW846 8270E SIM	1	06/22/2024 00:07	M1O	A
Benzo(a)anthracene	0.027	P1,P2,P3	mg/kg	0.0058	0.00093	SW846 8270E SIM	1	06/22/2024 00:07	M1O	A
Benzo(a)pyrene	0.030	P1,P2,P3	mg/kg	0.0058	0.00093	SW846 8270E SIM	1	06/22/2024 00:07	M1O	A
Benzo(b)fluoranthene	0.032	P1,P2,P3	mg/kg	0.0058	0.00093	SW846 8270E SIM	1	06/22/2024 00:07	M1O	A
Benzo(g,h,i)perylene	0.031	P1,P2,P3	mg/kg	0.0058	0.0012	SW846 8270E SIM	1	06/22/2024 00:07	M1O	A
Benzo(k)fluoranthene	0.026	P1,P2,P3	mg/kg	0.0058	0.0010	SW846 8270E SIM	1	06/22/2024 00:07	M1O	A
Chrysene	0.042	P1,P2,P3	mg/kg	0.0058	0.0010	SW846 8270E SIM	1	06/22/2024 00:07	M1O	A
Dibenzo(a,h)anthracene	0.0073	P1,P2,P3	mg/kg	0.0058	0.00081	SW846 8270E SIM	1	06/22/2024 00:07	M1O	A
Fluoranthene	0.038	P1,P2,P3	mg/kg	0.0058	0.0010	SW846 8270E SIM	1	06/22/2024 00:07	M1O	A
Fluorene	0.0056J	J,P1,P2,P3	mg/kg	0.0058	0.0012	SW846 8270E SIM	1	06/22/2024 00:07	M1O	A
Indeno(1,2,3-cd)pyrene	0.020	P1,P2,P3	mg/kg	0.0058	0.00093	SW846 8270E SIM	1	06/22/2024 00:07	M1O	A
Naphthalene	0.21	P1,P2,P3	mg/kg	0.0058	0.0013	SW846 8270E SIM	1	06/22/2024 00:07	M1O	A
Phenanthrene	0.17	P1,P2,P3	mg/kg	0.0058	0.0013	SW846 8270E SIM	1	06/22/2024 00:07	M1O	A



## Results

Client Sample ID	SB-34 (0-2)	Collected	06/07/2024 13:55
Lab Sample ID	3363931015	Lab Receipt	06/11/2024 15:50

### SEMIVOLATILE SIM (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Pyrene	0.037	P1,P2,P3	mg/kg	0.0058	0.00093	SW846 8270E SIM	1	06/22/2024 00:07	M1O	A

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
2-Methylnaphthalene-d10	7297-45-2	76.3%	50 - 150	06/22/2024 00:07	
Fluoranthene-d10	93951-69-0	84.3%	50 - 150	06/22/2024 00:07	

### SEMIVOLATILES

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1-Methylnaphthalene	0.21	P1,P2,P3	mg/kg	0.12	0.020	SW846 8270E	1	06/21/2024 04:00	M1O	A
2-Methylnaphthalene	0.29	P1,P2,P3	mg/kg	0.12	0.020	SW846 8270E	1	06/21/2024 04:00	M1O	A
Acenaphthene	0.020U	U,P1,P2,P3	mg/kg	0.058	0.020	SW846 8270E	1	06/21/2024 04:00	M1O	A
Acenaphthylene	0.020U	U,P1,P2,P3	mg/kg	0.058	0.020	SW846 8270E	1	06/21/2024 04:00	M1O	A
Anthracene	0.020U	U,P1,P2,P3	mg/kg	0.058	0.020	SW846 8270E	1	06/21/2024 04:00	M1O	A
Benzo(a)anthracene	0.030J	J,P1,P2,P3	mg/kg	0.058	0.020	SW846 8270E	1	06/21/2024 04:00	M1O	A
Benzo(a)pyrene	0.033J	J,P1,P2,P3	mg/kg	0.058	0.020	SW846 8270E	1	06/21/2024 04:00	M1O	A
Benzo(b)fluoranthene	0.030J	J,P1,P2,P3	mg/kg	0.058	0.020	SW846 8270E	1	06/21/2024 04:00	M1O	A
Benzo(g,h,i)perylene	0.036J	J,P1,P2,P3	mg/kg	0.058	0.020	SW846 8270E	1	06/21/2024 04:00	M1O	A
Benzo(k)fluoranthene	0.029J	J,P1,P2,P3	mg/kg	0.058	0.020	SW846 8270E	1	06/21/2024 04:00	M1O	A
Carbazole	0.020U	U,P1,P2,P3	mg/kg	0.12	0.020	SW846 8270E	1	06/21/2024 04:00	M1O	A
Chrysene	0.047J	J,P1,P2,P3	mg/kg	0.058	0.020	SW846 8270E	1	06/21/2024 04:00	M1O	A
Dibenzo(a,h)anthracene	0.020U	U,P1,P2,P3	mg/kg	0.058	0.020	SW846 8270E	1	06/21/2024 04:00	M1O	A
Dibenzofuran	0.086J	J,P1,P2,P3	mg/kg	0.12	0.020	SW846 8270E	1	06/21/2024 04:00	M1O	A
Fluoranthene	0.038J	J,P1,P2,P3	mg/kg	0.058	0.020	SW846 8270E	1	06/21/2024 04:00	M1O	A
Fluorene	0.020U	U,P1,P2,P3	mg/kg	0.058	0.020	SW846 8270E	1	06/21/2024 04:00	M1O	A
Indeno(1,2,3-cd)pyrene	0.022J	J,P1,P2,P3	mg/kg	0.058	0.020	SW846 8270E	1	06/21/2024 04:00	M1O	A
Naphthalene	0.22	P1,P2,P3	mg/kg	0.058	0.020	SW846 8270E	1	06/21/2024 04:00	M1O	A
Phenanthrene	0.17	P1,P2,P3	mg/kg	0.058	0.020	SW846 8270E	1	06/21/2024 04:00	M1O	A
Pyrene	0.040J	J,P1,P2,P3	mg/kg	0.058	0.020	SW846 8270E	1	06/21/2024 04:00	M1O	A

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
2-Fluorobiphenyl	321-60-8	68%	40 - 110	06/21/2024 04:00	
2-Fluorophenol	367-12-4	59.1%	26 - 116	06/21/2024 04:00	
Nitrobenzene-d5	4165-60-0	67.6%	38 - 112	06/21/2024 04:00	
Phenol-d5	4165-62-2	62.8%	35 - 111	06/21/2024 04:00	
Terphenyl-d14	98904-43-9	88.1%	45 - 126	06/21/2024 04:00	



## Results

Client Sample ID	SB-34 (0-2)	Collected	06/07/2024 13:55
Lab Sample ID	3363931015	Lab Receipt	06/11/2024 15:50

### VOLATILE ORGANICS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1-Trichloroethane	0.00078U	U,P1,P2,P3	mg/kg	0.0025	0.00078	SW846 8260D	1	06/19/2024 15:28	TMP	A2
1,1,2,2-Tetrachloroethane	0.00070U	U,P1,P2,P3	mg/kg	0.0025	0.00070	SW846 8260D	1	06/19/2024 15:28	TMP	A2
1,1,2-Trichloroethane	0.00070U	U,P1,P2,P3	mg/kg	0.0025	0.00070	SW846 8260D	1	06/19/2024 15:28	TMP	A2
1,1-Dichloroethane	0.00063U	U,P1,P2,P3	mg/kg	0.0025	0.00063	SW846 8260D	1	06/19/2024 15:28	TMP	A2
1,1-Dichloroethene	0.00065U	U,P1,P2,P3	mg/kg	0.0025	0.00065	SW846 8260D	1	06/19/2024 15:28	TMP	A2
1,1-Dichloropropene	0.00063U	U,P1,P2,P3	mg/kg	0.0025	0.00063	SW846 8260D	1	06/19/2024 15:28	TMP	A2
1,2,3-Trichlorobenzene	0.00063U	U,P1,P2,P3	mg/kg	0.0063	0.00063	SW846 8260D	1	06/19/2024 15:28	TMP	A2
1,2,3-Trichloropropane	0.00063U	U,P1,P2,P3	mg/kg	0.0025	0.00063	SW846 8260D	1	06/19/2024 15:28	TMP	A2
1,2,4-Trichlorobenzene	0.00063U	U,P1,P2,P3	mg/kg	0.0063	0.00063	SW846 8260D	1	06/19/2024 15:28	TMP	A2
1,2,4-Trimethylbenzene	0.00063U	U,P1,P2,P3	mg/kg	0.0025	0.00063	SW846 8260D	1	06/19/2024 15:28	TMP	A2
1,2-Dibromo-3-chloropropane	0.00031U	U,P1,P2,P3	mg/kg	0.0025	0.00031	SW846 8260D	1	06/19/2024 15:28	TMP	A2
1,2-Dibromoethane	0.00068U	U,P1,P2,P3	mg/kg	0.0025	0.00068	SW846 8260D	1	06/19/2024 15:28	TMP	A2
1,2-Dichlorobenzene	0.00063U	U,P1,P2,P3	mg/kg	0.0025	0.00063	SW846 8260D	1	06/19/2024 15:28	TMP	A2
1,2-Dichloroethane	0.00063U	U,P1,P2,P3	mg/kg	0.0025	0.00063	SW846 8260D	1	06/19/2024 15:28	TMP	A2
1,2-Dichloropropane	0.00075U	U,P1,P2,P3	mg/kg	0.0025	0.00075	SW846 8260D	1	06/19/2024 15:28	TMP	A2
1,3,5-Trimethylbenzene	0.00063U	U,P1,P2,P3	mg/kg	0.0025	0.00063	SW846 8260D	1	06/19/2024 15:28	TMP	A2
1,3-Dichlorobenzene	0.00063U	U,P1,P2,P3	mg/kg	0.0025	0.00063	SW846 8260D	1	06/19/2024 15:28	TMP	A2
1,3-Dichloropropane	0.0010U	U,P1,P2,P3	mg/kg	0.0025	0.0010	SW846 8260D	1	06/19/2024 15:28	TMP	A2
1,4-Dichlorobenzene	0.00063U	U,P1,P2,P3	mg/kg	0.0025	0.00063	SW846 8260D	1	06/19/2024 15:28	TMP	A2
2,2-Dichloropropane	0.00063U	U,P1,P2,P3	mg/kg	0.0025	0.00063	SW846 8260D	1	06/19/2024 15:28	TMP	A2
2-Butanone	0.0040U	U,P1,P2,P3	mg/kg	0.013	0.0040	SW846 8260D	1	06/19/2024 15:28	TMP	A2
2-Hexanone	0.0035U	U,P1,P2,P3	mg/kg	0.013	0.0035	SW846 8260D	1	06/19/2024 15:28	TMP	A2
4-Methyl-2-Pentanone(MIBK)	0.0048U	U,P1,P2,P3	mg/kg	0.013	0.0048	SW846 8260D	1	06/19/2024 15:28	TMP	A2
Acetone	0.0058U	U,P1,P2,P3	mg/kg	0.013	0.0058	SW846 8260D	1	06/19/2024 15:28	TMP	A2
Benzene	0.00063U	U,P1,P2,P3	mg/kg	0.0025	0.00063	SW846 8260D	1	06/19/2024 15:28	TMP	A2
Bromobenzene	0.00063U	U,P1,P2,P3	mg/kg	0.0025	0.00063	SW846 8260D	1	06/19/2024 15:28	TMP	A2
Bromochloromethane	0.00063U	U,P1,P2,P3	mg/kg	0.0025	0.00063	SW846 8260D	1	06/19/2024 15:28	TMP	A2
Bromodichloromethane	0.00089U	U,P1,P2,P3	mg/kg	0.0025	0.00089	SW846 8260D	1	06/19/2024 15:28	TMP	A2
Bromoform	0.00065U	U,P1,P2,P3	mg/kg	0.0025	0.00065	SW846 8260D	1	06/19/2024 15:28	TMP	A2
Bromomethane	0.00065U	U,2,3,4,P1,P2,P3	mg/kg	0.0025	0.00065	SW846 8260D	1	06/19/2024 15:28	TMP	A2
Carbon Disulfide	0.00079U	U,P1,P2,P3	mg/kg	0.0025	0.00079	SW846 8260D	1	06/19/2024 15:28	TMP	A2
Carbon Tetrachloride	0.00064U	U,P1,P2,P3	mg/kg	0.0025	0.00064	SW846 8260D	1	06/19/2024 15:28	TMP	A2
Chlorobenzene	0.00064U	U,P1,P2,P3	mg/kg	0.0025	0.00064	SW846 8260D	1	06/19/2024 15:28	TMP	A2
Chlorodibromomethane	0.00085U	U,P1,P2,P3	mg/kg	0.0025	0.00085	SW846 8260D	1	06/19/2024 15:28	TMP	A2
Chloroethane	0.0011U	U,P1,P2,P3	mg/kg	0.0063	0.0011	SW846 8260D	1	06/19/2024 15:28	TMP	A2

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**Results**

Client Sample ID	SB-34 (0-2)	Collected	06/07/2024 13:55
Lab Sample ID	3363931015	Lab Receipt	06/11/2024 15:50

**VOLATILE ORGANICS (cont.)**

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Chloroform	0.00066U	U,P1,P2,P3	mg/kg	0.0025	0.00066	SW846 8260D	1	06/19/2024 15:28	TMP	A2
Chloromethane	0.00069U	U,P1,P2,P3	mg/kg	0.0025	0.00069	SW846 8260D	1	06/19/2024 15:28	TMP	A2
cis-1,2-Dichloroethene	0.00063U	U,P1,P2,P3	mg/kg	0.0025	0.00063	SW846 8260D	1	06/19/2024 15:28	TMP	A2
cis-1,3-Dichloropropene	0.00069U	U,P1,P2,P3	mg/kg	0.0025	0.00069	SW846 8260D	1	06/19/2024 15:28	TMP	A2
Dibromomethane	0.00090U	U,P1,P2,P3	mg/kg	0.0025	0.00090	SW846 8260D	1	06/19/2024 15:28	TMP	A2
Dichlorodifluoromethane	0.00084U	U,P1,P2,P3	mg/kg	0.0025	0.00084	SW846 8260D	1	06/19/2024 15:28	TMP	A2
Ethylbenzene	0.00085U	U,P1,P2,P3	mg/kg	0.0025	0.00085	SW846 8260D	1	06/19/2024 15:28	TMP	A2
Freon 113	0.00063U	U,5,7,P1,P2,P3	mg/kg	0.0025	0.00063	SW846 8260D	1	06/19/2024 15:28	TMP	A2
Hexachlorobutadiene	0.00063U	U,P1,P2,P3	mg/kg	0.0063	0.00063	SW846 8260D	1	06/19/2024 15:28	TMP	A2
Isopropylbenzene	0.00076U	U,P1,P2,P3	mg/kg	0.0025	0.00076	SW846 8260D	1	06/19/2024 15:28	TMP	A2
Methyl t-Butyl Ether	0.00063U	U,P1,P2,P3	mg/kg	0.0025	0.00063	SW846 8260D	1	06/19/2024 15:28	TMP	A2
Methylene Chloride	0.0018J	J,P1,P2,P3	mg/kg	0.0025	0.00098	SW846 8260D	1	06/19/2024 15:28	TMP	A2
mp-Xylene	0.0010U	U,P1,P2,P3	mg/kg	0.0050	0.0010	SW846 8260D	1	06/19/2024 15:28	TMP	A2
Naphthalene	0.00063U	U,P1,P2,P3	mg/kg	0.0025	0.00063	SW846 8260D	1	06/19/2024 15:28	TMP	A2
n-Butylbenzene	0.00063U	U,P1,P2,P3	mg/kg	0.0025	0.00063	SW846 8260D	1	06/19/2024 15:28	TMP	A2
n-Propylbenzene	0.00063U	U,P1,P2,P3	mg/kg	0.0025	0.00063	SW846 8260D	1	06/19/2024 15:28	TMP	A2
o-Chlorotoluene	0.00063U	U,P1,P2,P3	mg/kg	0.0025	0.00063	SW846 8260D	1	06/19/2024 15:28	TMP	A2
o-Xylene	0.00073U	U,P1,P2,P3	mg/kg	0.0025	0.00073	SW846 8260D	1	06/19/2024 15:28	TMP	A2
p-Chlorotoluene	0.00063U	U,P1,P2,P3	mg/kg	0.0025	0.00063	SW846 8260D	1	06/19/2024 15:28	TMP	A2
p-Isopropyltoluene	0.00063U	U,P1,P2,P3	mg/kg	0.0025	0.00063	SW846 8260D	1	06/19/2024 15:28	TMP	A2
sec-Butylbenzene	0.00063U	U,P1,P2,P3	mg/kg	0.0025	0.00063	SW846 8260D	1	06/19/2024 15:28	TMP	A2
Styrene	0.00063U	U,P1,P2,P3	mg/kg	0.0025	0.00063	SW846 8260D	1	06/19/2024 15:28	TMP	A2
tert-Butylbenzene	0.00069U	U,P1,P2,P3	mg/kg	0.0025	0.00069	SW846 8260D	1	06/19/2024 15:28	TMP	A2
Tetrachloroethene	0.00075U	U,8,P1,P2,P3	mg/kg	0.0025	0.00075	SW846 8260D	1	06/19/2024 15:28	TMP	A2
Toluene	0.00084U	U,P1,P2,P3	mg/kg	0.0025	0.00084	SW846 8260D	1	06/19/2024 15:28	TMP	A2
Total Xylenes	0.0018U	U,P1,P2,P3	mg/kg	0.0075	0.0018	SW846 8260D	1	06/19/2024 15:28	TMP	A2
trans-1,2-Dichloroethene	0.00065U	U,P1,P2,P3	mg/kg	0.0025	0.00065	SW846 8260D	1	06/19/2024 15:28	TMP	A2
trans-1,3-Dichloropropene	0.00073U	U,P1,P2,P3	mg/kg	0.0025	0.00073	SW846 8260D	1	06/19/2024 15:28	TMP	A2
Trichloroethene	0.00063U	U,P1,P2,P3	mg/kg	0.0025	0.00063	SW846 8260D	1	06/19/2024 15:28	TMP	A2
Trichlorofluoromethane	0.00063U	U,P1,P2,P3	mg/kg	0.0025	0.00063	SW846 8260D	1	06/19/2024 15:28	TMP	A2
Vinyl Chloride	0.00063U	U,P1,P2,P3	mg/kg	0.0025	0.00063	SW846 8260D	1	06/19/2024 15:28	TMP	A2

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## Results

Client Sample ID	SB-34 (0-2)	Collected	06/07/2024 13:55
Lab Sample ID	3363931015	Lab Receipt	06/11/2024 15:50

### VOLATILE ORGANICS (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
<i>SURROGATES</i>										
Compound	CAS No			Recovery		Limits(%)		Analysis Date/Time		Qualifiers
1,2-Dichloroethane-d4	17060-07-0			123%		56 – 124		06/19/2024 15:28		
4-Bromofluorobenzene	460-00-4			101%		51 – 128		06/19/2024 15:28		
Dibromofluoromethane	1868-53-7			103%		62 – 123		06/19/2024 15:28		
Toluene-d8	2037-26-5			97.3%		59 – 131		06/19/2024 15:28		

### WET CHEMISTRY

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Moisture	26.9	P1,P2,P3	%	0.1	0.01	S2540G-11	1	06/13/2024 17:05	E1R	A
Total Solids	73.1	P1,P2,P3	%	0.1	0.01	S2540G-11	1	06/13/2024 17:05	E1R	A

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## Results

Client Sample ID	SB-34 (2-4)	Collected	06/07/2024 13:55
Lab Sample ID	3363931016	Lab Receipt	06/11/2024 15:50

### GASOLINE RANGE ORGANICS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Gasoline Range Organics	80.6	P1,P2,P3	mg/kg	12.9	2.2	SW846 8015D	100	06/19/2024 02:24	JTH	A1

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
a,a,a-Trifluorotoluene	98-08-8	86.3%	72 - 134	06/19/2024 02:24	

### PETROLEUM HC's

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Diesel Range Organics C10-C28	194	P1,P2,P3	mg/kg	13.1	3.6	SW846 8015D	1	06/21/2024 08:07	AJW	A

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
o-Terphenyl	84-15-1	82.9%	36 - 122	06/21/2024 08:07	

### SEMIVOLATILE SIM

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,4-Dioxane	0.0029U	U,P1,P2,P3	mg/kg	0.0058	0.0029	SW846 8270E SIM	1	06/22/2024 00:34	M1O	A
1-Methylnaphthalene	3.7	E,P1,P2,P3	mg/kg	0.0058	0.0010	SW846 8270E SIM	1	06/22/2024 00:34	M1O	A
2-Methylnaphthalene	5.6	E,P1,P2,P3	mg/kg	0.0058	0.0015	SW846 8270E SIM	1	06/22/2024 00:34	M1O	A
Acenaphthene	0.15	P1,P2,P3	mg/kg	0.0058	0.0010	SW846 8270E SIM	1	06/22/2024 00:34	M1O	A
Acenaphthylene	0.0010U	U,P1,P2,P3	mg/kg	0.0058	0.0010	SW846 8270E SIM	1	06/22/2024 00:34	M1O	A
Anthracene	0.034	P1,P2,P3	mg/kg	0.0058	0.00093	SW846 8270E SIM	1	06/22/2024 00:34	M1O	A
Benzo(a)anthracene	0.019	P1,P2,P3	mg/kg	0.0058	0.00093	SW846 8270E SIM	1	06/22/2024 00:34	M1O	A
Benzo(a)pyrene	0.020	P1,P2,P3	mg/kg	0.0058	0.00093	SW846 8270E SIM	1	06/22/2024 00:34	M1O	A
Benzo(b)fluoranthene	0.035	P1,P2,P3	mg/kg	0.0058	0.00093	SW846 8270E SIM	1	06/22/2024 00:34	M1O	A
Benzo(g,h,i)perylene	0.079	P1,P2,P3	mg/kg	0.0058	0.0012	SW846 8270E SIM	1	06/22/2024 00:34	M1O	A
Benzo(k)fluoranthene	0.017	P1,P2,P3	mg/kg	0.0058	0.0010	SW846 8270E SIM	1	06/22/2024 00:34	M1O	A
Chrysene	0.046	P1,P2,P3	mg/kg	0.0058	0.0010	SW846 8270E SIM	1	06/22/2024 00:34	M1O	A
Dibenzo(a,h)anthracene	0.010	P1,P2,P3	mg/kg	0.0058	0.00081	SW846 8270E SIM	1	06/22/2024 00:34	M1O	A
Fluoranthene	0.034	P1,P2,P3	mg/kg	0.0058	0.0010	SW846 8270E SIM	1	06/22/2024 00:34	M1O	A
Fluorene	0.27	P1,P2,P3	mg/kg	0.0058	0.0012	SW846 8270E SIM	1	06/22/2024 00:34	M1O	A
Indeno(1,2,3-cd)pyrene	0.018	P1,P2,P3	mg/kg	0.0058	0.00093	SW846 8270E SIM	1	06/22/2024 00:34	M1O	A
Naphthalene	1.1	E,P1,P2,P3	mg/kg	0.0058	0.0013	SW846 8270E SIM	1	06/22/2024 00:34	M1O	A
Phenanthrene	0.68	P1,P2,P3	mg/kg	0.0058	0.0013	SW846 8270E SIM	1	06/22/2024 00:34	M1O	A





## Results

Client Sample ID	SB-34 (2-4)	Collected	06/07/2024 13:55
Lab Sample ID	3363931016	Lab Receipt	06/11/2024 15:50

### SEMIVOLATILE SIM (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Pyrene	0.049	P1,P2,P3	mg/kg	0.0058	0.00093	SW846 8270E SIM	1	06/22/2024 00:34	M1O	A

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
2-Methylnaphthalene-d10	7297-45-2	83.6%	50 - 150	06/22/2024 00:34	
Fluoranthene-d10	93951-69-0	91.4%	50 - 150	06/22/2024 00:34	

### SEMIVOLATILES

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1-Methylnaphthalene	4.3	P1,P2,P3	mg/kg	0.12	0.020	SW846 8270E	1	06/21/2024 04:26	M1O	A
2-Methylnaphthalene	7.0	P1,P2,P3	mg/kg	0.12	0.020	SW846 8270E	1	06/21/2024 04:26	M1O	A
Acenaphthene	0.21	P1,P2,P3	mg/kg	0.058	0.020	SW846 8270E	1	06/21/2024 04:26	M1O	A
Acenaphthylene	0.020U	U,P1,P2,P3	mg/kg	0.058	0.020	SW846 8270E	1	06/21/2024 04:26	M1O	A
Anthracene	0.030J	J,P1,P2,P3	mg/kg	0.058	0.020	SW846 8270E	1	06/21/2024 04:26	M1O	A
Benzo(a)anthracene	0.025J	J,P1,P2,P3	mg/kg	0.058	0.020	SW846 8270E	1	06/21/2024 04:26	M1O	A
Benzo(a)pyrene	0.021J	J,P1,P2,P3	mg/kg	0.058	0.020	SW846 8270E	1	06/21/2024 04:26	M1O	A
Benzo(b)fluoranthene	0.035J	J,P1,P2,P3	mg/kg	0.058	0.020	SW846 8270E	1	06/21/2024 04:26	M1O	A
Benzo(g,h,i)perylene	0.085	P1,P2,P3	mg/kg	0.058	0.020	SW846 8270E	1	06/21/2024 04:26	M1O	A
Benzo(k)fluoranthene	0.020U	U,P1,P2,P3	mg/kg	0.058	0.020	SW846 8270E	1	06/21/2024 04:26	M1O	A
Carbazole	0.021J	J,P1,P2,P3	mg/kg	0.12	0.020	SW846 8270E	1	06/21/2024 04:26	M1O	A
Chrysene	0.053J	J,P1,P2,P3	mg/kg	0.058	0.020	SW846 8270E	1	06/21/2024 04:26	M1O	A
Dibenzo(a,h)anthracene	0.020U	U,P1,P2,P3	mg/kg	0.058	0.020	SW846 8270E	1	06/21/2024 04:26	M1O	A
Dibenzofuran	0.20	P1,P2,P3	mg/kg	0.12	0.020	SW846 8270E	1	06/21/2024 04:26	M1O	A
Fluoranthene	0.032J	J,P1,P2,P3	mg/kg	0.058	0.020	SW846 8270E	1	06/21/2024 04:26	M1O	A
Fluorene	0.33	P1,P2,P3	mg/kg	0.058	0.020	SW846 8270E	1	06/21/2024 04:26	M1O	A
Indeno(1,2,3-cd)pyrene	0.022J	J,P1,P2,P3	mg/kg	0.058	0.020	SW846 8270E	1	06/21/2024 04:26	M1O	A
Naphthalene	1.1	P1,P2,P3	mg/kg	0.058	0.020	SW846 8270E	1	06/21/2024 04:26	M1O	A
Phenanthrene	0.67	P1,P2,P3	mg/kg	0.058	0.020	SW846 8270E	1	06/21/2024 04:26	M1O	A
Pyrene	0.047J	J,P1,P2,P3	mg/kg	0.058	0.020	SW846 8270E	1	06/21/2024 04:26	M1O	A

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
2-Fluorobiphenyl	321-60-8	67.2%	40 - 110	06/21/2024 04:26	
2-Fluorophenol	367-12-4	63.6%	26 - 116	06/21/2024 04:26	
Nitrobenzene-d5	4165-60-0	69.5%	38 - 112	06/21/2024 04:26	
Phenol-d5	4165-62-2	68.2%	35 - 111	06/21/2024 04:26	
Terphenyl-d14	98904-43-9	81.6%	45 - 126	06/21/2024 04:26	



**Results**

Client Sample ID	SB-34 (2-4)	Collected	06/07/2024 13:55
Lab Sample ID	3363931016	Lab Receipt	06/11/2024 15:50

**VOLATILE ORGANICS**

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1-Trichloroethane	0.071U	U,P1,P2,P3	mg/kg	0.32	0.071	SW846 8260D	250	06/21/2024 00:42	BST	A1
1,1,2,2-Tetrachloroethane	0.11U	U,P1,P2,P3	mg/kg	0.32	0.11	SW846 8260D	250	06/21/2024 00:42	BST	A1
1,1,2-Trichloroethane	0.11U	U,P1,P2,P3	mg/kg	0.32	0.11	SW846 8260D	250	06/21/2024 00:42	BST	A1
1,1-Dichloroethane	0.090U	U,P1,P2,P3	mg/kg	0.32	0.090	SW846 8260D	250	06/21/2024 00:42	BST	A1
1,1-Dichloroethene	0.093U	U,P1,P2,P3	mg/kg	0.32	0.093	SW846 8260D	250	06/21/2024 00:42	BST	A1
1,1-Dichloropropene	0.087U	U,P1,P2,P3	mg/kg	0.32	0.087	SW846 8260D	250	06/21/2024 00:42	BST	A1
1,2,3-Trichlorobenzene	0.30U	U,P1,P2,P3	mg/kg	0.64	0.30	SW846 8260D	250	06/21/2024 00:42	BST	A1
1,2,3-Trichloropropane	0.19U	U,P1,P2,P3	mg/kg	0.64	0.19	SW846 8260D	250	06/21/2024 00:42	BST	A1
1,2,4-Trichlorobenzene	0.26U	U,P1,P2,P3	mg/kg	0.64	0.26	SW846 8260D	250	06/21/2024 00:42	BST	A1
1,2,4-Trimethylbenzene	0.76	P1,P2,P3	mg/kg	0.32	0.080	SW846 8260D	250	06/21/2024 00:42	BST	A1
1,2-Dibromo-3-chloropropane	0.48U	U,P1,P2,P3	mg/kg	2.3	0.48	SW846 8260D	250	06/21/2024 00:42	BST	A1
1,2-Dibromoethane	0.090U	U,P1,P2,P3	mg/kg	0.32	0.090	SW846 8260D	250	06/21/2024 00:42	BST	A1
1,2-Dichlorobenzene	0.12U	U,P1,P2,P3	mg/kg	0.32	0.12	SW846 8260D	250	06/21/2024 00:42	BST	A1
1,2-Dichloroethane	0.10U	U,P1,P2,P3	mg/kg	0.32	0.10	SW846 8260D	250	06/21/2024 00:42	BST	A1
1,2-Dichloropropane	0.077U	U,P1,P2,P3	mg/kg	0.32	0.077	SW846 8260D	250	06/21/2024 00:42	BST	A1
1,3,5-Trimethylbenzene	0.10J	J,P1,P2,P3	mg/kg	0.32	0.064	SW846 8260D	250	06/21/2024 00:42	BST	A1
1,3-Dichlorobenzene	0.080U	U,P1,P2,P3	mg/kg	0.32	0.080	SW846 8260D	250	06/21/2024 00:42	BST	A1
1,3-Dichloropropane	0.087U	U,P1,P2,P3	mg/kg	0.32	0.087	SW846 8260D	250	06/21/2024 00:42	BST	A1
1,4-Dichlorobenzene	0.087U	U,P1,P2,P3	mg/kg	0.32	0.087	SW846 8260D	250	06/21/2024 00:42	BST	A1
2,2-Dichloropropane	0.10U	U,P1,P2,P3	mg/kg	0.32	0.10	SW846 8260D	250	06/21/2024 00:42	BST	A1
2-Butanone	0.58U	U,P1,P2,P3	mg/kg	3.2	0.58	SW846 8260D	250	06/21/2024 00:42	BST	A1
2-Hexanone	0.42U	U,P1,P2,P3	mg/kg	1.6	0.42	SW846 8260D	250	06/21/2024 00:42	BST	A1
4-Methyl-2-Pentanone(MIBK)	1.3J	J,P1,P2,P3	mg/kg	1.6	0.48	SW846 8260D	250	06/21/2024 00:42	BST	A1
Acetone	1.0U	U,P1,P2,P3	mg/kg	3.2	1.0	SW846 8260D	250	06/21/2024 00:42	BST	A1
Benzene	0.074U	U,P1,P2,P3	mg/kg	0.32	0.074	SW846 8260D	250	06/21/2024 00:42	BST	A1
Bromobenzene	0.10U	U,P1,P2,P3	mg/kg	0.32	0.10	SW846 8260D	250	06/21/2024 00:42	BST	A1
Bromochloromethane	0.10U	U,P1,P2,P3	mg/kg	0.32	0.10	SW846 8260D	250	06/21/2024 00:42	BST	A1
Bromodichloromethane	0.087U	U,P1,P2,P3	mg/kg	0.32	0.087	SW846 8260D	250	06/21/2024 00:42	BST	A1
Bromoform	0.13U	U,P1,P2,P3	mg/kg	0.32	0.13	SW846 8260D	250	06/21/2024 00:42	BST	A1
Bromomethane	0.13U	U,P1,P2,P3	mg/kg	0.32	0.13	SW846 8260D	250	06/21/2024 00:42	BST	A1
Carbon Disulfide	0.074U	U,P1,P2,P3	mg/kg	0.32	0.074	SW846 8260D	250	06/21/2024 00:42	BST	A1
Carbon Tetrachloride	0.10U	U,19,P1,P2,P3	mg/kg	0.32	0.10	SW846 8260D	250	06/21/2024 00:42	BST	A1
Chlorobenzene	0.061U	U,P1,P2,P3	mg/kg	0.32	0.061	SW846 8260D	250	06/21/2024 00:42	BST	A1
Chlorodibromomethane	0.14U	U,P1,P2,P3	mg/kg	0.32	0.14	SW846 8260D	250	06/21/2024 00:42	BST	A1
Chloroethane	0.11U	U,P1,P2,P3	mg/kg	0.32	0.11	SW846 8260D	250	06/21/2024 00:42	BST	A1
Chloroform	0.068U	U,P1,P2,P3	mg/kg	0.32	0.068	SW846 8260D	250	06/21/2024 00:42	BST	A1

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**Results**

Client Sample ID SB-34 (2-4) Collected 06/07/2024 13:55  
 Lab Sample ID 3363931016 Lab Receipt 06/11/2024 15:50

**VOLATILE ORGANICS (cont.)**

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Chloromethane	0.10U	U,P1,P2,P3	mg/kg	0.32	0.10	SW846 8260D	250	06/21/2024 00:42	BST	A1
cis-1,2-Dichloroethene	0.10U	U,P1,P2,P3	mg/kg	0.32	0.10	SW846 8260D	250	06/21/2024 00:42	BST	A1
cis-1,3-Dichloropropene	0.10U	U,P1,P2,P3	mg/kg	0.32	0.10	SW846 8260D	250	06/21/2024 00:42	BST	A1
Dibromomethane	0.10U	U,P1,P2,P3	mg/kg	0.32	0.10	SW846 8260D	250	06/21/2024 00:42	BST	A1
Dichlorodifluoromethane	0.11U	U,P1,P2,P3	mg/kg	0.32	0.11	SW846 8260D	250	06/21/2024 00:42	BST	A1
Ethylbenzene	0.11U	U,P1,P2,P3	mg/kg	0.32	0.11	SW846 8260D	250	06/21/2024 00:42	BST	A1
Freon 113	0.084U	U,P1,P2,P3	mg/kg	0.32	0.084	SW846 8260D	250	06/21/2024 00:42	BST	A1
Hexachlorobutadiene	0.32U	U,P1,P2,P3	mg/kg	1.6	0.32	SW846 8260D	250	06/21/2024 00:42	BST	A1
Isopropylbenzene	0.071U	U,P1,P2,P3	mg/kg	0.32	0.071	SW846 8260D	250	06/21/2024 00:42	BST	A1
Methyl t-Butyl Ether	0.11U	U,P1,P2,P3	mg/kg	0.32	0.11	SW846 8260D	250	06/21/2024 00:42	BST	A1
Methylene Chloride	0.14U	U,P1,P2,P3	mg/kg	0.32	0.14	SW846 8260D	250	06/21/2024 00:42	BST	A1
mp-Xylene	0.36J	J,P1,P2,P3	mg/kg	0.64	0.17	SW846 8260D	250	06/21/2024 00:42	BST	A1
Naphthalene	0.63J	J,P1,P2,P3	mg/kg	0.64	0.11	SW846 8260D	250	06/21/2024 00:42	BST	A1
n-Butylbenzene	0.19U	U,P1,P2,P3	mg/kg	0.64	0.19	SW846 8260D	250	06/21/2024 00:42	BST	A1
n-Propylbenzene	0.14J	J,P1,P2,P3	mg/kg	0.32	0.11	SW846 8260D	250	06/21/2024 00:42	BST	A1
o-Chlorotoluene	0.084U	U,P1,P2,P3	mg/kg	0.32	0.084	SW846 8260D	250	06/21/2024 00:42	BST	A1
o-Xylene	0.11U	U,P1,P2,P3	mg/kg	0.32	0.11	SW846 8260D	250	06/21/2024 00:42	BST	A1
p-Chlorotoluene	0.11U	U,P1,P2,P3	mg/kg	0.32	0.11	SW846 8260D	250	06/21/2024 00:42	BST	A1
p-Isopropyltoluene	0.10U	U,P1,P2,P3	mg/kg	0.32	0.10	SW846 8260D	250	06/21/2024 00:42	BST	A1
sec-Butylbenzene	0.10U	U,P1,P2,P3	mg/kg	0.32	0.10	SW846 8260D	250	06/21/2024 00:42	BST	A1
Styrene	0.077U	U,P1,P2,P3	mg/kg	0.32	0.077	SW846 8260D	250	06/21/2024 00:42	BST	A1
tert-Butylbenzene	0.14U	U,P1,P2,P3	mg/kg	0.64	0.14	SW846 8260D	250	06/21/2024 00:42	BST	A1
Tetrachloroethene	0.11U	U,P1,P2,P3	mg/kg	0.32	0.11	SW846 8260D	250	06/21/2024 00:42	BST	A1
Toluene	0.074U	U,P1,P2,P3	mg/kg	0.32	0.074	SW846 8260D	250	06/21/2024 00:42	BST	A1
Total Xylenes	0.36J	J,P1,P2,P3	mg/kg	0.97	0.21	SW846 8260D	250	06/21/2024 00:42	BST	A1
trans-1,2-Dichloroethene	0.084U	U,P1,P2,P3	mg/kg	0.32	0.084	SW846 8260D	250	06/21/2024 00:42	BST	A1
trans-1,3-Dichloropropene	0.093U	U,P1,P2,P3	mg/kg	0.32	0.093	SW846 8260D	250	06/21/2024 00:42	BST	A1
Trichloroethene	0.11U	U,P1,P2,P3	mg/kg	0.32	0.11	SW846 8260D	250	06/21/2024 00:42	BST	A1
Trichlorofluoromethane	0.077U	U,P1,P2,P3	mg/kg	0.32	0.077	SW846 8260D	250	06/21/2024 00:42	BST	A1
Vinyl Chloride	0.097U	U,P1,P2,P3	mg/kg	0.32	0.097	SW846 8260D	250	06/21/2024 00:42	BST	A1

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**SURROGATES**

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	103%	71 - 146	06/21/2024 00:42	
4-Bromofluorobenzene	460-00-4	107%	46 - 138	06/21/2024 00:42	
Dibromofluoromethane	1868-53-7	90%	42 - 143	06/21/2024 00:42	
Toluene-d8	2037-26-5	108%	54 - 141	06/21/2024 00:42	



**Results**

Client Sample ID	SB-34 (2-4)	Collected	06/07/2024 13:55
Lab Sample ID	3363931016	Lab Receipt	06/11/2024 15:50

**WET CHEMISTRY**

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Moisture	22.9	P1,P2,P 3	%	0.1	0.01	S2540G-11	1	06/13/2024 17:05	E1R	A
Total Solids	77.1	P1,P2,P 3	%	0.1	0.01	S2540G-11	1	06/13/2024 17:05	E1R	A

**DRAFT**



## Results

Client Sample ID	SB-32 (0-2)	Collected	06/07/2024 14:30
Lab Sample ID	3363931017	Lab Receipt	06/11/2024 15:50

### GASOLINE RANGE ORGANICS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Gasoline Range Organics	5.9J	J,P1,P2, P3,S7	mg/kg	14.8	2.5	SW846 8015D	100	06/19/2024 02:50	JTH	A1

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
a,a,a-Trifluorotoluene	98-08-8	86.2%	72 - 134	06/19/2024 02:50	

### PETROLEUM HC's

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Diesel Range Organics C10-C28	267	P1,P2,P 3,S7	mg/kg	78.8	21.6	SW846 8015D	5	06/21/2024 19:54	KJH	A

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
o-Terphenyl	84-15-1	74.5%	36 - 122	06/21/2024 19:54	

### SEMIVOLATILE SIM

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,4-Dioxane	0.0033U	U,P1,P2 ,P3,S7	mg/kg	0.0066	0.0033	SW846 8270E SIM	1	06/22/2024 01:01	M1O	A
1-Methylnaphthalene	0.44	P1,P2,P 3,S7	mg/kg	0.0066	0.0012	SW846 8270E SIM	1	06/22/2024 01:01	M1O	A
2-Methylnaphthalene	0.64	P1,P2,P 3,S7	mg/kg	0.0066	0.0017	SW846 8270E SIM	1	06/22/2024 01:01	M1O	A
Acenaphthene	0.0012U	U,P1,P2 ,P3,S7	mg/kg	0.0066	0.0012	SW846 8270E SIM	1	06/22/2024 01:01	M1O	A
Acenaphthylene	0.030	P1,P2,P 3,S7	mg/kg	0.0066	0.0012	SW846 8270E SIM	1	06/22/2024 01:01	M1O	A
Anthracene	0.061	P1,P2,P 3,S7	mg/kg	0.0066	0.0011	SW846 8270E SIM	1	06/22/2024 01:01	M1O	A
Benzo(a)anthracene	0.12	P1,P2,P 3,S7	mg/kg	0.0066	0.0011	SW846 8270E SIM	1	06/22/2024 01:01	M1O	A
Benzo(a)pyrene	0.14	P1,P2,P 3,S7	mg/kg	0.0066	0.0011	SW846 8270E SIM	1	06/22/2024 01:01	M1O	A
Benzo(b)fluoranthene	0.18	P1,P2,P 3,S7	mg/kg	0.0066	0.0011	SW846 8270E SIM	1	06/22/2024 01:01	M1O	A
Benzo(g,h,i)perylene	0.13	P1,P2,P 3,S7	mg/kg	0.0066	0.0013	SW846 8270E SIM	1	06/22/2024 01:01	M1O	A
Benzo(k)fluoranthene	0.13	P1,P2,P 3,S7	mg/kg	0.0066	0.0012	SW846 8270E SIM	1	06/22/2024 01:01	M1O	A
Chrysene	0.17	P1,P2,P 3,S7	mg/kg	0.0066	0.0012	SW846 8270E SIM	1	06/22/2024 01:01	M1O	A
Dibenzo(a,h)anthracene	0.028	P1,P2,P 3,S7	mg/kg	0.0066	0.00092	SW846 8270E SIM	1	06/22/2024 01:01	M1O	A
Fluoranthene	0.22	P1,P2,P 3,S7	mg/kg	0.0066	0.0012	SW846 8270E SIM	1	06/22/2024 01:01	M1O	A
Fluorene	0.024	P1,P2,P 3,S7	mg/kg	0.0066	0.0013	SW846 8270E SIM	1	06/22/2024 01:01	M1O	A
Indeno(1,2,3-cd)pyrene	0.10	P1,P2,P 3,S7	mg/kg	0.0066	0.0011	SW846 8270E SIM	1	06/22/2024 01:01	M1O	A
Naphthalene	0.35	P1,P2,P 3,S7	mg/kg	0.0066	0.0014	SW846 8270E SIM	1	06/22/2024 01:01	M1O	A
Phenanthrene	0.40	P1,P2,P 3,S7	mg/kg	0.0066	0.0014	SW846 8270E SIM	1	06/22/2024 01:01	M1O	A



**Results**

Client Sample ID	SB-32 (0-2)	Collected	06/07/2024 14:30
Lab Sample ID	3363931017	Lab Receipt	06/11/2024 15:50

**SEMIVOLATILE SIM (cont.)**

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Pyrene	0.21	P1,P2,P 3,S7	mg/kg	0.0066	0.0011	SW846 8270E SIM	1	06/22/2024 01:01	M1O	A

*SURROGATES*

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
2-Methylnaphthalene-d10	7297-45-2	66.7%	50 - 150	06/22/2024 01:01	
Fluoranthene-d10	93951-69-0	79.4%	50 - 150	06/22/2024 01:01	

**SEMIVOLATILES**

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1-Methylnaphthalene	0.47	P1,P2,P 3,S7	mg/kg	0.13	0.022	SW846 8270E	1	06/21/2024 04:51	M1O	A
2-Methylnaphthalene	0.67	P1,P2,P 3,S7	mg/kg	0.13	0.022	SW846 8270E	1	06/21/2024 04:51	M1O	A
Acenaphthene	0.022U	U,P1,P2 ,P3,S7	mg/kg	0.066	0.022	SW846 8270E	1	06/21/2024 04:51	M1O	A
Acenaphthylene	0.022U	U,P1,P2 ,P3,S7	mg/kg	0.066	0.022	SW846 8270E	1	06/21/2024 04:51	M1O	A
Anthracene	0.053J	J,P1,P2, P3,S7	mg/kg	0.066	0.022	SW846 8270E	1	06/21/2024 04:51	M1O	A
Benzo(a)anthracene	0.13	P1,P2,P 3,S7	mg/kg	0.066	0.022	SW846 8270E	1	06/21/2024 04:51	M1O	A
Benzo(a)pyrene	0.14	P1,P2,P 3,S7	mg/kg	0.066	0.022	SW846 8270E	1	06/21/2024 04:51	M1O	A
Benzo(b)fluoranthene	0.20	P1,P2,P 3,S7	mg/kg	0.066	0.022	SW846 8270E	1	06/21/2024 04:51	M1O	A
Benzo(g,h,i)perylene	0.17	P1,P2,P 3,S7	mg/kg	0.066	0.022	SW846 8270E	1	06/21/2024 04:51	M1O	A
Benzo(k)fluoranthene	0.13	P1,P2,P 3,S7	mg/kg	0.066	0.022	SW846 8270E	1	06/21/2024 04:51	M1O	A
Carbazole	0.037J	J,P1,P2, P3,S7	mg/kg	0.13	0.022	SW846 8270E	1	06/21/2024 04:51	M1O	A
Chrysene	0.19	P1,P2,P 3,S7	mg/kg	0.066	0.022	SW846 8270E	1	06/21/2024 04:51	M1O	A
Dibenzo(a,h)anthracene	0.039J	J,P1,P2, P3,S7	mg/kg	0.066	0.022	SW846 8270E	1	06/21/2024 04:51	M1O	A
Dibenzofuran	0.17	P1,P2,P 3,S7	mg/kg	0.13	0.022	SW846 8270E	1	06/21/2024 04:51	M1O	A
Fluoranthene	0.24	P1,P2,P 3,S7	mg/kg	0.066	0.022	SW846 8270E	1	06/21/2024 04:51	M1O	A
Fluorene	0.022U	U,P1,P2 ,P3,S7	mg/kg	0.066	0.022	SW846 8270E	1	06/21/2024 04:51	M1O	A
Indeno(1,2,3-cd)pyrene	0.14	P1,P2,P 3,S7	mg/kg	0.066	0.022	SW846 8270E	1	06/21/2024 04:51	M1O	A
Naphthalene	0.36	P1,P2,P 3,S7	mg/kg	0.066	0.022	SW846 8270E	1	06/21/2024 04:51	M1O	A
Phenanthrene	0.44	P1,P2,P 3,S7	mg/kg	0.066	0.022	SW846 8270E	1	06/21/2024 04:51	M1O	A
Pyrene	0.23	P1,P2,P 3,S7	mg/kg	0.066	0.022	SW846 8270E	1	06/21/2024 04:51	M1O	A

*SURROGATES*

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
2-Fluorobiphenyl	321-60-8	59.7%	40 - 110	06/21/2024 04:51	
2-Fluorophenol	367-12-4	48.8%	26 - 116	06/21/2024 04:51	
Nitrobenzene-d5	4165-60-0	57.7%	38 - 112	06/21/2024 04:51	
Phenol-d5	4165-62-2	57%	35 - 111	06/21/2024 04:51	
Terphenyl-d14	98904-43-9	79.4%	45 - 126	06/21/2024 04:51	



**Results**

Client Sample ID	SB-32 (0-2)	Collected	06/07/2024 14:30
Lab Sample ID	3363931017	Lab Receipt	06/11/2024 15:50

**VOLATILE ORGANICS**

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1-Trichloroethane	0.00092U	U,P1,P2,P3,S7	mg/kg	0.0030	0.00092	SW846 8260D	1	06/19/2024 18:54	TMP	A2
1,1,2,2-Tetrachloroethane	0.00083U	U,P1,P2,P3,S7	mg/kg	0.0030	0.00083	SW846 8260D	1	06/19/2024 18:54	TMP	A2
1,1,2-Trichloroethane	0.00083U	U,P1,P2,P3,S7	mg/kg	0.0030	0.00083	SW846 8260D	1	06/19/2024 18:54	TMP	A2
1,1-Dichloroethane	0.00075U	U,P1,P2,P3,S7	mg/kg	0.0030	0.00075	SW846 8260D	1	06/19/2024 18:54	TMP	A2
1,1-Dichloroethene	0.00077U	U,P1,P2,P3,S7	mg/kg	0.0030	0.00077	SW846 8260D	1	06/19/2024 18:54	TMP	A2
1,1-Dichloropropene	0.00075U	U,P1,P2,P3,S7	mg/kg	0.0030	0.00075	SW846 8260D	1	06/19/2024 18:54	TMP	A2
1,2,3-Trichlorobenzene	0.00075U	U,P1,P2,P3,S7	mg/kg	0.0075	0.00075	SW846 8260D	1	06/19/2024 18:54	TMP	A2
1,2,3-Trichloropropane	0.00075U	U,P1,P2,P3,S7	mg/kg	0.0030	0.00075	SW846 8260D	1	06/19/2024 18:54	TMP	A2
1,2,4-Trichlorobenzene	0.00075U	U,P1,P2,P3,S7	mg/kg	0.0075	0.00075	SW846 8260D	1	06/19/2024 18:54	TMP	A2
1,2,4-Trimethylbenzene	0.00075U	U,P1,P2,P3,S7	mg/kg	0.0030	0.00075	SW846 8260D	1	06/19/2024 18:54	TMP	A2
1,2-Dibromo-3-chloropropane	0.00037U	U,P1,P2,P3,S7	mg/kg	0.0030	0.00037	SW846 8260D	1	06/19/2024 18:54	TMP	A2
1,2-Dibromoethane	0.00080U	U,P1,P2,P3,S7	mg/kg	0.0030	0.00080	SW846 8260D	1	06/19/2024 18:54	TMP	A2
1,2-Dichlorobenzene	0.00075U	U,P1,P2,P3,S7	mg/kg	0.0030	0.00075	SW846 8260D	1	06/19/2024 18:54	TMP	A2
1,2-Dichloroethane	0.00075U	U,P1,P2,P3,S7	mg/kg	0.0030	0.00075	SW846 8260D	1	06/19/2024 18:54	TMP	A2
1,2-Dichloropropane	0.00089U	U,P1,P2,P3,S7	mg/kg	0.0030	0.00089	SW846 8260D	1	06/19/2024 18:54	TMP	A2
1,3,5-Trimethylbenzene	0.00075U	U,P1,P2,P3,S7	mg/kg	0.0030	0.00075	SW846 8260D	1	06/19/2024 18:54	TMP	A2
1,3-Dichlorobenzene	0.00075U	U,P1,P2,P3,S7	mg/kg	0.0030	0.00075	SW846 8260D	1	06/19/2024 18:54	TMP	A2
1,3-Dichloropropane	0.0012U	U,P1,P2,P3,S7	mg/kg	0.0030	0.0012	SW846 8260D	1	06/19/2024 18:54	TMP	A2
1,4-Dichlorobenzene	0.00075U	U,P1,P2,P3,S7	mg/kg	0.0030	0.00075	SW846 8260D	1	06/19/2024 18:54	TMP	A2
2,2-Dichloropropane	0.00075U	U,P1,P2,P3,S7	mg/kg	0.0030	0.00075	SW846 8260D	1	06/19/2024 18:54	TMP	A2
2-Butanone	0.0048U	U,P1,P2,P3,S7	mg/kg	0.015	0.0048	SW846 8260D	1	06/19/2024 18:54	TMP	A2
2-Hexanone	0.0042U	U,P1,P2,P3,S7	mg/kg	0.015	0.0042	SW846 8260D	1	06/19/2024 18:54	TMP	A2
4-Methyl-2-Pentanone(MIBK)	0.0057U	U,P1,P2,P3,S7	mg/kg	0.015	0.0057	SW846 8260D	1	06/19/2024 18:54	TMP	A2
Acetone	0.023	P1,P2,P3,S7	mg/kg	0.015	0.0069	SW846 8260D	1	06/19/2024 18:54	TMP	A2
Benzene	0.00075U	U,P1,P2,P3,S7	mg/kg	0.0030	0.00075	SW846 8260D	1	06/19/2024 18:54	TMP	A2
Bromobenzene	0.00075U	U,P1,P2,P3,S7	mg/kg	0.0030	0.00075	SW846 8260D	1	06/19/2024 18:54	TMP	A2
Bromochloromethane	0.00075U	U,P1,P2,P3,S7	mg/kg	0.0030	0.00075	SW846 8260D	1	06/19/2024 18:54	TMP	A2
Bromodichloromethane	0.0011U	U,P1,P2,P3,S7	mg/kg	0.0030	0.0011	SW846 8260D	1	06/19/2024 18:54	TMP	A2
Bromoform	0.00077U	U,P1,P2,P3,S7	mg/kg	0.0030	0.00077	SW846 8260D	1	06/19/2024 18:54	TMP	A2
Bromomethane	0.00077U	U,2,3,4,P1,P2,P3,S7	mg/kg	0.0030	0.00077	SW846 8260D	1	06/19/2024 18:54	TMP	A2
Carbon Disulfide	0.00094U	U,P1,P2,P3,S7	mg/kg	0.0030	0.00094	SW846 8260D	1	06/19/2024 18:54	TMP	A2
Carbon Tetrachloride	0.00076U	U,P1,P2,P3,S7	mg/kg	0.0030	0.00076	SW846 8260D	1	06/19/2024 18:54	TMP	A2
Chlorobenzene	0.00076U	U,P1,P2,P3,S7	mg/kg	0.0030	0.00076	SW846 8260D	1	06/19/2024 18:54	TMP	A2
Chlorodibromomethane	0.0010U	U,P1,P2,P3,S7	mg/kg	0.0030	0.0010	SW846 8260D	1	06/19/2024 18:54	TMP	A2
Chloroethane	0.0013U	U,P1,P2,P3,S7	mg/kg	0.0075	0.0013	SW846 8260D	1	06/19/2024 18:54	TMP	A2

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## Results

Client Sample ID	SB-32 (0-2)	Collected	06/07/2024 14:30
Lab Sample ID	3363931017	Lab Receipt	06/11/2024 15:50

### VOLATILE ORGANICS (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Chloroform	0.00079U	U,P1,P2 ,P3,S7	mg/kg	0.0030	0.00079	SW846 8260D	1	06/19/2024 18:54	TMP	A2
Chloromethane	0.00082U	U,P1,P2 ,P3,S7	mg/kg	0.0030	0.00082	SW846 8260D	1	06/19/2024 18:54	TMP	A2
cis-1,2-Dichloroethene	0.00075U	U,P1,P2 ,P3,S7	mg/kg	0.0030	0.00075	SW846 8260D	1	06/19/2024 18:54	TMP	A2
cis-1,3-Dichloropropene	0.00082U	U,P1,P2 ,P3,S7	mg/kg	0.0030	0.00082	SW846 8260D	1	06/19/2024 18:54	TMP	A2
Dibromomethane	0.0011U	U,P1,P2 ,P3,S7	mg/kg	0.0030	0.0011	SW846 8260D	1	06/19/2024 18:54	TMP	A2
Dichlorodifluoromethane	0.0010U	U,P1,P2 ,P3,S7	mg/kg	0.0030	0.0010	SW846 8260D	1	06/19/2024 18:54	TMP	A2
Ethylbenzene	0.0010U	U,P1,P2 ,P3,S7	mg/kg	0.0030	0.0010	SW846 8260D	1	06/19/2024 18:54	TMP	A2
Freon 113	0.00075U	U,5,7,P1 ,P2,P3, S7	mg/kg	0.0030	0.00075	SW846 8260D	1	06/19/2024 18:54	TMP	A2
Hexachlorobutadiene	0.00075U	U,P1,P2 ,P3,S7	mg/kg	0.0075	0.00075	SW846 8260D	1	06/19/2024 18:54	TMP	A2
Isopropylbenzene	0.00091U	U,P1,P2 ,P3,S7	mg/kg	0.0030	0.00091	SW846 8260D	1	06/19/2024 18:54	TMP	A2
Methyl t-Butyl Ether	0.00075U	U,P1,P2 ,P3,S7	mg/kg	0.0030	0.00075	SW846 8260D	1	06/19/2024 18:54	TMP	A2
Methylene Chloride	0.0012U	U,P1,P2 ,P3,S7	mg/kg	0.0030	0.0012	SW846 8260D	1	06/19/2024 18:54	TMP	A2
mp-Xylene	0.0012U	U,P1,P2 ,P3,S7	mg/kg	0.0060	0.0012	SW846 8260D	1	06/19/2024 18:54	TMP	A2
Naphthalene	0.00075U	U,P1,P2 ,P3,S7	mg/kg	0.0030	0.00075	SW846 8260D	1	06/19/2024 18:54	TMP	A2
n-Butylbenzene	0.00075U	U,P1,P2 ,P3,S7	mg/kg	0.0030	0.00075	SW846 8260D	1	06/19/2024 18:54	TMP	A2
n-Propylbenzene	0.00075U	U,P1,P2 ,P3,S7	mg/kg	0.0030	0.00075	SW846 8260D	1	06/19/2024 18:54	TMP	A2
o-Chlorotoluene	0.00075U	U,P1,P2 ,P3,S7	mg/kg	0.0030	0.00075	SW846 8260D	1	06/19/2024 18:54	TMP	A2
o-Xylene	0.00086U	U,P1,P2 ,P3,S7	mg/kg	0.0030	0.00086	SW846 8260D	1	06/19/2024 18:54	TMP	A2
p-Chlorotoluene	0.00075U	U,P1,P2 ,P3,S7	mg/kg	0.0030	0.00075	SW846 8260D	1	06/19/2024 18:54	TMP	A2
p-Isopropyltoluene	0.00075U	U,P1,P2 ,P3,S7	mg/kg	0.0030	0.00075	SW846 8260D	1	06/19/2024 18:54	TMP	A2
sec-Butylbenzene	0.00075U	U,P1,P2 ,P3,S7	mg/kg	0.0030	0.00075	SW846 8260D	1	06/19/2024 18:54	TMP	A2
Styrene	0.00075U	U,P1,P2 ,P3,S7	mg/kg	0.0030	0.00075	SW846 8260D	1	06/19/2024 18:54	TMP	A2
tert-Butylbenzene	0.00082U	U,P1,P2 ,P3,S7	mg/kg	0.0030	0.00082	SW846 8260D	1	06/19/2024 18:54	TMP	A2
Tetrachloroethene	0.00089U	U,8,P1, P2,P3,S 7	mg/kg	0.0030	0.00089	SW846 8260D	1	06/19/2024 18:54	TMP	A2
Toluene	0.0010U	U,P1,P2 ,P3,S7	mg/kg	0.0030	0.0010	SW846 8260D	1	06/19/2024 18:54	TMP	A2
Total Xylenes	0.0021U	U,P1,P2 ,P3,S7	mg/kg	0.0089	0.0021	SW846 8260D	1	06/19/2024 18:54	TMP	A2
trans-1,2-Dichloroethene	0.00077U	U,P1,P2 ,P3,S7	mg/kg	0.0030	0.00077	SW846 8260D	1	06/19/2024 18:54	TMP	A2
trans-1,3-Dichloropropene	0.00086U	U,P1,P2 ,P3,S7	mg/kg	0.0030	0.00086	SW846 8260D	1	06/19/2024 18:54	TMP	A2
Trichloroethene	0.00075U	U,P1,P2 ,P3,S7	mg/kg	0.0030	0.00075	SW846 8260D	1	06/19/2024 18:54	TMP	A2
Trichlorofluoromethane	0.00075U	U,P1,P2 ,P3,S7	mg/kg	0.0030	0.00075	SW846 8260D	1	06/19/2024 18:54	TMP	A2
Vinyl Chloride	0.00075U	U,P1,P2 ,P3,S7	mg/kg	0.0030	0.00075	SW846 8260D	1	06/19/2024 18:54	TMP	A2

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## Results

Client Sample ID	SB-32 (0-2)	Collected	06/07/2024 14:30
Lab Sample ID	3363931017	Lab Receipt	06/11/2024 15:50

### VOLATILE ORGANICS (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
<i>SURROGATES</i>										
Compound	CAS No			Recovery		Limits(%)		Analysis Date/Time		Qualifiers
1,2-Dichloroethane-d4	17060-07-0			118%		56 – 124		06/19/2024 18:54		
4-Bromofluorobenzene	460-00-4			97%		51 – 128		06/19/2024 18:54		
Dibromofluoromethane	1868-53-7			101%		62 – 123		06/19/2024 18:54		
Toluene-d8	2037-26-5			94.8%		59 – 131		06/19/2024 18:54		

### WET CHEMISTRY

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Moisture	34.5	P1,P2,P3,S7	%	0.1	0.01	S2540G-11	1	06/13/2024 17:05	E1R	A
Total Solids	65.5	P1,P2,P3,S7	%	0.1	0.01	S2540G-11	1	06/13/2024 17:05	E1R	A

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## Results

Client Sample ID	SB-32 (2-4)	Collected	06/07/2024 14:30
Lab Sample ID	3363931018	Lab Receipt	06/11/2024 15:50

### GASOLINE RANGE ORGANICS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Gasoline Range Organics	306	P1,P2,P3,S8	mg/kg	13.2	2.2	SW846 8015D	100	06/19/2024 21:12	JTH	A1

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
a,a,a-Trifluorotoluene	98-08-8	128%	72 - 134	06/19/2024 21:12	

### PETROLEUM HC's

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Diesel Range Organics C10-C28	618	P1,P2,P3,S8	mg/kg	134	36.8	SW846 8015D	10	06/21/2024 20:26	KJH	A

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
o-Terphenyl	84-15-1	93.3%	36 - 122	06/21/2024 20:26	

### SEMIVOLATILE SIM

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,4-Dioxane	0.0033U	U,P1,P2,P3,S8	mg/kg	0.0065	0.0033	SW846 8270E SIM	1	06/22/2024 01:28	M1O	A
1-Methylnaphthalene	3.2	E,P1,P2,P3,S8	mg/kg	0.0065	0.0012	SW846 8270E SIM	1	06/22/2024 01:28	M1O	A
2-Methylnaphthalene	4.9	E,P1,P2,P3,S8	mg/kg	0.0065	0.0017	SW846 8270E SIM	1	06/22/2024 01:28	M1O	A
Acenaphthene	0.37	P1,P2,P3,S8	mg/kg	0.0065	0.0012	SW846 8270E SIM	1	06/22/2024 01:28	M1O	A
Acenaphthylene	0.0012U	U,P1,P2,P3,S8	mg/kg	0.0065	0.0012	SW846 8270E SIM	1	06/22/2024 01:28	M1O	A
Anthracene	0.14	P1,P2,P3,S8	mg/kg	0.0065	0.0010	SW846 8270E SIM	1	06/22/2024 01:28	M1O	A
Benzo(a)anthracene	0.024	P1,P2,P3,S8	mg/kg	0.0065	0.0010	SW846 8270E SIM	1	06/22/2024 01:28	M1O	A
Benzo(a)pyrene	0.023	P1,P2,P3,S8	mg/kg	0.0065	0.0010	SW846 8270E SIM	1	06/22/2024 01:28	M1O	A
Benzo(b)fluoranthene	0.031	P1,P2,P3,S8	mg/kg	0.0065	0.0010	SW846 8270E SIM	1	06/22/2024 01:28	M1O	A
Benzo(g,h,i)perylene	0.049	P1,P2,P3,S8	mg/kg	0.0065	0.0013	SW846 8270E SIM	1	06/22/2024 01:28	M1O	A
Benzo(k)fluoranthene	0.017	P1,P2,P3,S8	mg/kg	0.0065	0.0012	SW846 8270E SIM	1	06/22/2024 01:28	M1O	A
Chrysene	0.045	P1,P2,P3,S8	mg/kg	0.0065	0.0012	SW846 8270E SIM	1	06/22/2024 01:28	M1O	A
Dibenzo(a,h)anthracene	0.0077	P1,P2,P3,S8	mg/kg	0.0065	0.00091	SW846 8270E SIM	1	06/22/2024 01:28	M1O	A
Fluoranthene	0.053	P1,P2,P3,S8	mg/kg	0.0065	0.0012	SW846 8270E SIM	1	06/22/2024 01:28	M1O	A
Fluorene	0.59	P1,P2,P3,S8	mg/kg	0.0065	0.0013	SW846 8270E SIM	1	06/22/2024 01:28	M1O	A
Indeno(1,2,3-cd)pyrene	0.017	P1,P2,P3,S8	mg/kg	0.0065	0.0010	SW846 8270E SIM	1	06/22/2024 01:28	M1O	A
Naphthalene	0.95	E,P1,P2,P3,S8	mg/kg	0.0065	0.0014	SW846 8270E SIM	1	06/22/2024 01:28	M1O	A
Phenanthrene	1.7	E,P1,P2,P3,S8	mg/kg	0.0065	0.0014	SW846 8270E SIM	1	06/22/2024 01:28	M1O	A



## Results

Client Sample ID	SB-32 (2-4)	Collected	06/07/2024 14:30
Lab Sample ID	3363931018	Lab Receipt	06/11/2024 15:50

### SEMIVOLATILE SIM (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Pyrene	0.092	P1,P2,P 3,S8	mg/kg	0.0065	0.0010	SW846 8270E SIM	1	06/22/2024 01:28	M1O	A

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
2-Methylnaphthalene-d10	7297-45-2	66.4%	50 - 150	06/22/2024 01:28	
Fluoranthene-d10	93951-69-0	94.2%	50 - 150	06/22/2024 01:28	

### SEMIVOLATILES

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1-Methylnaphthalene	4.1	P1,P2,P 3,S8	mg/kg	0.13	0.022	SW846 8270E	1	06/21/2024 05:17	M1O	A
2-Methylnaphthalene	6.6	P1,P2,P 3,S8	mg/kg	0.13	0.022	SW846 8270E	1	06/21/2024 05:17	M1O	A
Acenaphthene	0.022U	U,P1,P2 ,P3,S8	mg/kg	0.065	0.022	SW846 8270E	1	06/21/2024 05:17	M1O	A
Acenaphthylene	0.022U	U,P1,P2 ,P3,S8	mg/kg	0.065	0.022	SW846 8270E	1	06/21/2024 05:17	M1O	A
Anthracene	0.12	P1,P2,P 3,S8	mg/kg	0.065	0.022	SW846 8270E	1	06/21/2024 05:17	M1O	A
Benzo(a)anthracene	0.026J	J,P1,P2, P3,S8	mg/kg	0.065	0.022	SW846 8270E	1	06/21/2024 05:17	M1O	A
Benzo(a)pyrene	0.028J	J,P1,P2, P3,S8	mg/kg	0.065	0.022	SW846 8270E	1	06/21/2024 05:17	M1O	A
Benzo(b)fluoranthene	0.044J	J,P1,P2, P3,S8	mg/kg	0.065	0.022	SW846 8270E	1	06/21/2024 05:17	M1O	A
Benzo(g,h,i)perylene	0.069	P1,P2,P 3,S8	mg/kg	0.065	0.022	SW846 8270E	1	06/21/2024 05:17	M1O	A
Benzo(k)fluoranthene	0.022U	U,P1,P2 ,P3,S8	mg/kg	0.065	0.022	SW846 8270E	1	06/21/2024 05:17	M1O	A
Carbazole	0.067J	J,P1,P2, P3,S8	mg/kg	0.13	0.022	SW846 8270E	1	06/21/2024 05:17	M1O	A
Chrysene	0.050J	J,P1,P2, P3,S8	mg/kg	0.065	0.022	SW846 8270E	1	06/21/2024 05:17	M1O	A
Dibenzo(a,h)anthracene	0.022U	U,P1,P2 ,P3,S8	mg/kg	0.065	0.022	SW846 8270E	1	06/21/2024 05:17	M1O	A
Dibenzofuran	0.36	P1,P2,P 3,S8	mg/kg	0.13	0.022	SW846 8270E	1	06/21/2024 05:17	M1O	A
Fluoranthene	0.054J	J,P1,P2, P3,S8	mg/kg	0.065	0.022	SW846 8270E	1	06/21/2024 05:17	M1O	A
Fluorene	0.66	P1,P2,P 3,S8	mg/kg	0.065	0.022	SW846 8270E	1	06/21/2024 05:17	M1O	A
Indeno(1,2,3-cd)pyrene	0.023J	J,P1,P2, P3,S8	mg/kg	0.065	0.022	SW846 8270E	1	06/21/2024 05:17	M1O	A
Naphthalene	1.0	P1,P2,P 3,S8	mg/kg	0.065	0.022	SW846 8270E	1	06/21/2024 05:17	M1O	A
Phenanthrene	2.0	P1,P2,P 3,S8	mg/kg	0.065	0.022	SW846 8270E	1	06/21/2024 05:17	M1O	A
Pyrene	0.11	P1,P2,P 3,S8	mg/kg	0.065	0.022	SW846 8270E	1	06/21/2024 05:17	M1O	A

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
2-Fluorobiphenyl	321-60-8	59.2%	40 - 110	06/21/2024 05:17	
2-Fluorophenol	367-12-4	52.9%	26 - 116	06/21/2024 05:17	
Nitrobenzene-d5	4165-60-0	60.5%	38 - 112	06/21/2024 05:17	
Phenol-d5	4165-62-2	60.2%	35 - 111	06/21/2024 05:17	
Terphenyl-d14	98904-43-9	80%	45 - 126	06/21/2024 05:17	



**Results**

Client Sample ID	SB-32 (2-4)	Collected	06/07/2024 14:30
Lab Sample ID	3363931018	Lab Receipt	06/11/2024 15:50

**VOLATILE ORGANICS**

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1-Trichloroethane	0.073U	U,P1,P2 ,P3,S8	mg/kg	0.33	0.073	SW846 8260D	250	06/21/2024 01:03	BST	A1
1,1,2,2-Tetrachloroethane	0.11U	U,P1,P2 ,P3,S8	mg/kg	0.33	0.11	SW846 8260D	250	06/21/2024 01:03	BST	A1
1,1,2-Trichloroethane	0.11U	U,P1,P2 ,P3,S8	mg/kg	0.33	0.11	SW846 8260D	250	06/21/2024 01:03	BST	A1
1,1-Dichloroethane	0.092U	U,P1,P2 ,P3,S8	mg/kg	0.33	0.092	SW846 8260D	250	06/21/2024 01:03	BST	A1
1,1-Dichloroethene	0.096U	U,P1,P2 ,P3,S8	mg/kg	0.33	0.096	SW846 8260D	250	06/21/2024 01:03	BST	A1
1,1-Dichloropropene	0.089U	U,P1,P2 ,P3,S8	mg/kg	0.33	0.089	SW846 8260D	250	06/21/2024 01:03	BST	A1
1,2,3-Trichlorobenzene	0.31U	U,P1,P2 ,P3,S8	mg/kg	0.66	0.31	SW846 8260D	250	06/21/2024 01:03	BST	A1
1,2,3-Trichloropropane	0.20U	U,P1,P2 ,P3,S8	mg/kg	0.66	0.20	SW846 8260D	250	06/21/2024 01:03	BST	A1
1,2,4-Trichlorobenzene	0.27U	U,P1,P2 ,P3,S8	mg/kg	0.66	0.27	SW846 8260D	250	06/21/2024 01:03	BST	A1
1,2,4-Trimethylbenzene	0.67	P1,P2,P 3,S8	mg/kg	0.33	0.083	SW846 8260D	250	06/21/2024 01:03	BST	A1
1,2-Dibromo-3-chloropropane	0.50U	U,P1,P2 ,P3,S8	mg/kg	2.3	0.50	SW846 8260D	250	06/21/2024 01:03	BST	A1
1,2-Dibromoethane	0.092U	U,P1,P2 ,P3,S8	mg/kg	0.33	0.092	SW846 8260D	250	06/21/2024 01:03	BST	A1
1,2-Dichlorobenzene	0.13U	U,P1,P2 ,P3,S8	mg/kg	0.33	0.13	SW846 8260D	250	06/21/2024 01:03	BST	A1
1,2-Dichloroethane	0.11U	U,P1,P2 ,P3,S8	mg/kg	0.33	0.11	SW846 8260D	250	06/21/2024 01:03	BST	A1
1,2-Dichloropropane	0.079U	U,P1,P2 ,P3,S8	mg/kg	0.33	0.079	SW846 8260D	250	06/21/2024 01:03	BST	A1
1,3,5-Trimethylbenzene	0.11J	J,P1,P2, P3,S8	mg/kg	0.33	0.066	SW846 8260D	250	06/21/2024 01:03	BST	A1
1,3-Dichlorobenzene	0.083U	U,P1,P2 ,P3,S8	mg/kg	0.33	0.083	SW846 8260D	250	06/21/2024 01:03	BST	A1
1,3-Dichloropropane	0.089U	U,P1,P2 ,P3,S8	mg/kg	0.33	0.089	SW846 8260D	250	06/21/2024 01:03	BST	A1
1,4-Dichlorobenzene	0.089U	U,P1,P2 ,P3,S8	mg/kg	0.33	0.089	SW846 8260D	250	06/21/2024 01:03	BST	A1
2,2-Dichloropropane	0.11U	U,P1,P2 ,P3,S8	mg/kg	0.33	0.11	SW846 8260D	250	06/21/2024 01:03	BST	A1
2-Butanone	0.59U	U,P1,P2 ,P3,S8	mg/kg	3.3	0.59	SW846 8260D	250	06/21/2024 01:03	BST	A1
2-Hexanone	0.43U	U,P1,P2 ,P3,S8	mg/kg	1.7	0.43	SW846 8260D	250	06/21/2024 01:03	BST	A1
4-Methyl-2-Pentanone(MIBK)	4.2	P1,P2,P 3,S8	mg/kg	1.7	0.50	SW846 8260D	250	06/21/2024 01:03	BST	A1
Acetone	1.0U	U,P1,P2 ,P3,S8	mg/kg	3.3	1.0	SW846 8260D	250	06/21/2024 01:03	BST	A1
Benzene	1.1	P1,P2,P 3,S8	mg/kg	0.33	0.076	SW846 8260D	250	06/21/2024 01:03	BST	A1
Bromobenzene	0.11U	U,P1,P2 ,P3,S8	mg/kg	0.33	0.11	SW846 8260D	250	06/21/2024 01:03	BST	A1
Bromochloromethane	0.11U	U,P1,P2 ,P3,S8	mg/kg	0.33	0.11	SW846 8260D	250	06/21/2024 01:03	BST	A1
Bromodichloromethane	0.089U	U,P1,P2 ,P3,S8	mg/kg	0.33	0.089	SW846 8260D	250	06/21/2024 01:03	BST	A1
Bromoform	0.13U	U,P1,P2 ,P3,S8	mg/kg	0.33	0.13	SW846 8260D	250	06/21/2024 01:03	BST	A1
Bromomethane	0.13U	U,P1,P2 ,P3,S8	mg/kg	0.33	0.13	SW846 8260D	250	06/21/2024 01:03	BST	A1
Carbon Disulfide	0.076U	U,P1,P2 ,P3,S8	mg/kg	0.33	0.076	SW846 8260D	250	06/21/2024 01:03	BST	A1
Carbon Tetrachloride	0.10U	U,19,P1, P2,P3,S 8	mg/kg	0.33	0.10	SW846 8260D	250	06/21/2024 01:03	BST	A1
Chlorobenzene	0.063U	U,P1,P2 ,P3,S8	mg/kg	0.33	0.063	SW846 8260D	250	06/21/2024 01:03	BST	A1
Chlorodibromomethane	0.15U	U,P1,P2 ,P3,S8	mg/kg	0.33	0.15	SW846 8260D	250	06/21/2024 01:03	BST	A1
Chloroethane	0.11U	U,P1,P2 ,P3,S8	mg/kg	0.33	0.11	SW846 8260D	250	06/21/2024 01:03	BST	A1

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**Results**

Client Sample ID	SB-32 (2-4)	Collected	06/07/2024 14:30
Lab Sample ID	3363931018	Lab Receipt	06/11/2024 15:50

**VOLATILE ORGANICS (cont.)**

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Chloroform	0.069U	U,P1,P2,P3,S8	mg/kg	0.33	0.069	SW846 8260D	250	06/21/2024 01:03	BST	A1
Chloromethane	0.10U	U,P1,P2,P3,S8	mg/kg	0.33	0.10	SW846 8260D	250	06/21/2024 01:03	BST	A1
cis-1,2-Dichloroethene	0.11U	U,P1,P2,P3,S8	mg/kg	0.33	0.11	SW846 8260D	250	06/21/2024 01:03	BST	A1
cis-1,3-Dichloropropene	0.10U	U,P1,P2,P3,S8	mg/kg	0.33	0.10	SW846 8260D	250	06/21/2024 01:03	BST	A1
Dibromomethane	0.10U	U,P1,P2,P3,S8	mg/kg	0.33	0.10	SW846 8260D	250	06/21/2024 01:03	BST	A1
Dichlorodifluoromethane	0.11U	U,P1,P2,P3,S8	mg/kg	0.33	0.11	SW846 8260D	250	06/21/2024 01:03	BST	A1
Ethylbenzene	0.30J	J,P1,P2,P3,S8	mg/kg	0.33	0.11	SW846 8260D	250	06/21/2024 01:03	BST	A1
Freon 113	0.086U	U,P1,P2,P3,S8	mg/kg	0.33	0.086	SW846 8260D	250	06/21/2024 01:03	BST	A1
Hexachlorobutadiene	0.33U	U,P1,P2,P3,S8	mg/kg	1.7	0.33	SW846 8260D	250	06/21/2024 01:03	BST	A1
Isopropylbenzene	0.63	P1,P2,P3,S8	mg/kg	0.33	0.073	SW846 8260D	250	06/21/2024 01:03	BST	A1
Methyl t-Butyl Ether	0.11U	U,P1,P2,P3,S8	mg/kg	0.33	0.11	SW846 8260D	250	06/21/2024 01:03	BST	A1
Methylene Chloride	0.15U	U,P1,P2,P3,S8	mg/kg	0.33	0.15	SW846 8260D	250	06/21/2024 01:03	BST	A1
mp-Xylene	0.86	P1,P2,P3,S8	mg/kg	0.66	0.17	SW846 8260D	250	06/21/2024 01:03	BST	A1
Naphthalene	0.95	P1,P2,P3,S8	mg/kg	0.66	0.11	SW846 8260D	250	06/21/2024 01:03	BST	A1
n-Butylbenzene	1.6	P1,P2,P3,S8	mg/kg	0.66	0.20	SW846 8260D	250	06/21/2024 01:03	BST	A1
n-Propylbenzene	1.5	P1,P2,P3,S8	mg/kg	0.33	0.11	SW846 8260D	250	06/21/2024 01:03	BST	A1
o-Chlorotoluene	0.086U	U,P1,P2,P3,S8	mg/kg	0.33	0.086	SW846 8260D	250	06/21/2024 01:03	BST	A1
o-Xylene	0.11U	U,P1,P2,P3,S8	mg/kg	0.33	0.11	SW846 8260D	250	06/21/2024 01:03	BST	A1
p-Chlorotoluene	0.11U	U,P1,P2,P3,S8	mg/kg	0.33	0.11	SW846 8260D	250	06/21/2024 01:03	BST	A1
p-Isopropyltoluene	0.11U	U,P1,P2,P3,S8	mg/kg	0.33	0.11	SW846 8260D	250	06/21/2024 01:03	BST	A1
sec-Butylbenzene	0.68	P1,P2,P3,S8	mg/kg	0.33	0.10	SW846 8260D	250	06/21/2024 01:03	BST	A1
Styrene	0.079U	U,P1,P2,P3,S8	mg/kg	0.33	0.079	SW846 8260D	250	06/21/2024 01:03	BST	A1
tert-Butylbenzene	0.15U	U,P1,P2,P3,S8	mg/kg	0.66	0.15	SW846 8260D	250	06/21/2024 01:03	BST	A1
Tetrachloroethene	0.12U	U,P1,P2,P3,S8	mg/kg	0.33	0.12	SW846 8260D	250	06/21/2024 01:03	BST	A1
Toluene	0.10J	J,P1,P2,P3,S8	mg/kg	0.33	0.076	SW846 8260D	250	06/21/2024 01:03	BST	A1
Total Xylenes	0.86J	J,P1,P2,P3,S8	mg/kg	0.99	0.22	SW846 8260D	250	06/21/2024 01:03	BST	A1
trans-1,2-Dichloroethene	0.086U	U,P1,P2,P3,S8	mg/kg	0.33	0.086	SW846 8260D	250	06/21/2024 01:03	BST	A1
trans-1,3-Dichloropropene	0.096U	U,P1,P2,P3,S8	mg/kg	0.33	0.096	SW846 8260D	250	06/21/2024 01:03	BST	A1
Trichloroethene	0.11U	U,P1,P2,P3,S8	mg/kg	0.33	0.11	SW846 8260D	250	06/21/2024 01:03	BST	A1
Trichlorofluoromethane	0.079U	U,P1,P2,P3,S8	mg/kg	0.33	0.079	SW846 8260D	250	06/21/2024 01:03	BST	A1
Vinyl Chloride	0.099U	U,P1,P2,P3,S8	mg/kg	0.33	0.099	SW846 8260D	250	06/21/2024 01:03	BST	A1

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**Results**

Client Sample ID	SB-32 (2-4)	Collected	06/07/2024 14:30
Lab Sample ID	3363931018	Lab Receipt	06/11/2024 15:50

**VOLATILE ORGANICS (cont.)**

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
<i>SURROGATES</i>										
Compound	CAS No			Recovery		Limits(%)		Analysis Date/Time		Qualifiers
1,2-Dichloroethane-d4	17060-07-0			97.4%		71 - 146		06/21/2024 01:03		
4-Bromofluorobenzene	460-00-4			97.7%		46 - 138		06/21/2024 01:03		
Dibromofluoromethane	1868-53-7			83.7%		42 - 143		06/21/2024 01:03		
Toluene-d8	2037-26-5			98.8%		54 - 141		06/21/2024 01:03		

**WET CHEMISTRY**

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Moisture	24.6	P1,P2,P3,S8	%	0.1	0.01	S2540G-11	1	06/13/2024 17:05	E1R	A
Total Solids	75.4	P1,P2,P3,S8	%	0.1	0.01	S2540G-11	1	06/13/2024 17:05	E1R	A

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## Results

Client Sample ID	SB-33 (0-2)	Collected	06/07/2024 14:35
Lab Sample ID	3363931019	Lab Receipt	06/11/2024 15:50

### GASOLINE RANGE ORGANICS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Gasoline Range Organics	4.8J	J,P1,P2, P3	mg/kg	11.0	1.9	SW846 8015D	100	06/19/2024 03:42	JTH	A1

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
a,a,a-Trifluorotoluene	98-08-8	90.3%	72 - 134	06/19/2024 03:42	

### PETROLEUM HC's

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Diesel Range Organics C10-C28	9.8J	J,P1,P2, P3	mg/kg	12.1	3.3	SW846 8015D	1	06/21/2024 10:15	AJW	A

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
o-Terphenyl	84-15-1	83.9%	36 - 122	06/21/2024 10:15	

### SEMIVOLATILE SIM

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,4-Dioxane	0.0028U	U,P1,P2, ,P3	mg/kg	0.0057	0.0028	SW846 8270E SIM	1	06/22/2024 01:55	M1O	A
1-Methylnaphthalene	0.011	P1,P2,P 3	mg/kg	0.0057	0.0010	SW846 8270E SIM	1	06/22/2024 01:55	M1O	A
2-Methylnaphthalene	0.015	P1,P2,P 3	mg/kg	0.0057	0.0015	SW846 8270E SIM	1	06/22/2024 01:55	M1O	A
Acenaphthene	0.0010U	U,P1,P2, ,P3	mg/kg	0.0057	0.0010	SW846 8270E SIM	1	06/22/2024 01:55	M1O	A
Acenaphthylene	0.0010U	U,P1,P2, ,P3	mg/kg	0.0057	0.0010	SW846 8270E SIM	1	06/22/2024 01:55	M1O	A
Anthracene	0.00091U	U,P1,P2, ,P3	mg/kg	0.0057	0.00091	SW846 8270E SIM	1	06/22/2024 01:55	M1O	A
Benzo(a)anthracene	0.00091U	U,P1,P2, ,P3	mg/kg	0.0057	0.00091	SW846 8270E SIM	1	06/22/2024 01:55	M1O	A
Benzo(a)pyrene	0.00091U	U,P1,P2, ,P3	mg/kg	0.0057	0.00091	SW846 8270E SIM	1	06/22/2024 01:55	M1O	A
Benzo(b)fluoranthene	0.00091U	U,P1,P2, ,P3	mg/kg	0.0057	0.00091	SW846 8270E SIM	1	06/22/2024 01:55	M1O	A
Benzo(g,h,i)perylene	0.0034J	J,P1,P2, P3	mg/kg	0.0057	0.0011	SW846 8270E SIM	1	06/22/2024 01:55	M1O	A
Benzo(k)fluoranthene	0.0010U	U,P1,P2, ,P3	mg/kg	0.0057	0.0010	SW846 8270E SIM	1	06/22/2024 01:55	M1O	A
Chrysene	0.0010U	U,P1,P2, ,P3	mg/kg	0.0057	0.0010	SW846 8270E SIM	1	06/22/2024 01:55	M1O	A
Dibenzo(a,h)anthracene	0.00080U	U,P1,P2, ,P3	mg/kg	0.0057	0.00080	SW846 8270E SIM	1	06/22/2024 01:55	M1O	A
Fluoranthene	0.0010U	U,P1,P2, ,P3	mg/kg	0.0057	0.0010	SW846 8270E SIM	1	06/22/2024 01:55	M1O	A
Fluorene	0.0011U	U,P1,P2, ,P3	mg/kg	0.0057	0.0011	SW846 8270E SIM	1	06/22/2024 01:55	M1O	A
Indeno(1,2,3-cd)pyrene	0.00091U	U,P1,P2, ,P3	mg/kg	0.0057	0.00091	SW846 8270E SIM	1	06/22/2024 01:55	M1O	A
Naphthalene	0.0034J	J,P1,P2, P3	mg/kg	0.0057	0.0013	SW846 8270E SIM	1	06/22/2024 01:55	M1O	A
Phenanthrene	0.0084	P1,P2,P 3	mg/kg	0.0057	0.0013	SW846 8270E SIM	1	06/22/2024 01:55	M1O	A



## Results

Client Sample ID	SB-33 (0-2)	Collected	06/07/2024 14:35
Lab Sample ID	3363931019	Lab Receipt	06/11/2024 15:50

### SEMIVOLATILE SIM (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Pyrene	0.00091U	U,P1,P2,P3	mg/kg	0.0057	0.00091	SW846 8270E SIM	1	06/22/2024 01:55	M1O	A

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
2-Methylnaphthalene-d10	7297-45-2	68.2%	50 - 150	06/22/2024 01:55	
Fluoranthene-d10	93951-69-0	85.9%	50 - 150	06/22/2024 01:55	

### SEMIVOLATILES

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1-Methylnaphthalene	0.019U	U,28,P1,P2,P3	mg/kg	0.11	0.019	SW846 8270E	1	06/21/2024 05:42	M1O	A
2-Methylnaphthalene	0.019U	U,29,P1,P2,P3	mg/kg	0.11	0.019	SW846 8270E	1	06/21/2024 05:42	M1O	A
Acenaphthene	0.019U	U,24,P1,P2,P3	mg/kg	0.057	0.019	SW846 8270E	1	06/21/2024 05:42	M1O	A
Acenaphthylene	0.019U	U,25,26,P1,P2,P3	mg/kg	0.057	0.019	SW846 8270E	1	06/21/2024 05:42	M1O	A
Anthracene	0.019U	U,P1,P2,P3	mg/kg	0.057	0.019	SW846 8270E	1	06/21/2024 05:42	M1O	A
Benzo(a)anthracene	0.019U	U,P1,P2,P3	mg/kg	0.057	0.019	SW846 8270E	1	06/21/2024 05:42	M1O	A
Benzo(a)pyrene	0.019U	U,P1,P2,P3	mg/kg	0.057	0.019	SW846 8270E	1	06/21/2024 05:42	M1O	A
Benzo(b)fluoranthene	0.019U	U,P1,P2,P3	mg/kg	0.057	0.019	SW846 8270E	1	06/21/2024 05:42	M1O	A
Benzo(g,h,i)perylene	0.019U	U,P1,P2,P3	mg/kg	0.057	0.019	SW846 8270E	1	06/21/2024 05:42	M1O	A
Benzo(k)fluoranthene	0.019U	U,P1,P2,P3	mg/kg	0.057	0.019	SW846 8270E	1	06/21/2024 05:42	M1O	A
Carbazole	0.019U	U,P1,P2,P3	mg/kg	0.11	0.019	SW846 8270E	1	06/21/2024 05:42	M1O	A
Chrysene	0.019U	U,P1,P2,P3	mg/kg	0.057	0.019	SW846 8270E	1	06/21/2024 05:42	M1O	A
Dibenzo(a,h)anthracene	0.019U	U,P1,P2,P3	mg/kg	0.057	0.019	SW846 8270E	1	06/21/2024 05:42	M1O	A
Dibenzofuran	0.019U	U,27,P1,P2,P3	mg/kg	0.11	0.019	SW846 8270E	1	06/21/2024 05:42	M1O	A
Fluoranthene	0.019U	U,P1,P2,P3	mg/kg	0.057	0.019	SW846 8270E	1	06/21/2024 05:42	M1O	A
Fluorene	0.019U	U,P1,P2,P3	mg/kg	0.057	0.019	SW846 8270E	1	06/21/2024 05:42	M1O	A
Indeno(1,2,3-cd)pyrene	0.019U	U,P1,P2,P3	mg/kg	0.057	0.019	SW846 8270E	1	06/21/2024 05:42	M1O	A
Naphthalene	0.019U	U,30,P1,P2,P3	mg/kg	0.057	0.019	SW846 8270E	1	06/21/2024 05:42	M1O	A
Phenanthrene	0.019U	U,P1,P2,P3	mg/kg	0.057	0.019	SW846 8270E	1	06/21/2024 05:42	M1O	A
Pyrene	0.019U	U,P1,P2,P3	mg/kg	0.057	0.019	SW846 8270E	1	06/21/2024 05:42	M1O	A

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
2-Fluorobiphenyl	321-60-8	61%	40 - 110	06/21/2024 05:42	
2-Fluorophenol	367-12-4	44.6%	26 - 116	06/21/2024 05:42	
Nitrobenzene-d5	4165-60-0	58.9%	38 - 112	06/21/2024 05:42	
Phenol-d5	4165-62-2	51.1%	35 - 111	06/21/2024 05:42	
Terphenyl-d14	98904-43-9	86.5%	45 - 126	06/21/2024 05:42	



**Results**

Client Sample ID	SB-33 (0-2)	Collected	06/07/2024 14:35
Lab Sample ID	3363931019	Lab Receipt	06/11/2024 15:50

**VOLATILE ORGANICS**

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1-Trichloroethane	0.00067U	U,P1,P2,P3	mg/kg	0.0022	0.00067	SW846 8260D	1	06/19/2024 15:54	TMP	A2
1,1,2,2-Tetrachloroethane	0.00060U	U,P1,P2,P3	mg/kg	0.0022	0.00060	SW846 8260D	1	06/19/2024 15:54	TMP	A2
1,1,2-Trichloroethane	0.00060U	U,P1,P2,P3	mg/kg	0.0022	0.00060	SW846 8260D	1	06/19/2024 15:54	TMP	A2
1,1-Dichloroethane	0.00054U	U,P1,P2,P3	mg/kg	0.0022	0.00054	SW846 8260D	1	06/19/2024 15:54	TMP	A2
1,1-Dichloroethene	0.00056U	U,P1,P2,P3	mg/kg	0.0022	0.00056	SW846 8260D	1	06/19/2024 15:54	TMP	A2
1,1-Dichloropropene	0.00054U	U,P1,P2,P3	mg/kg	0.0022	0.00054	SW846 8260D	1	06/19/2024 15:54	TMP	A2
1,2,3-Trichlorobenzene	0.00054U	U,P1,P2,P3	mg/kg	0.0054	0.00054	SW846 8260D	1	06/19/2024 15:54	TMP	A2
1,2,3-Trichloropropane	0.00054U	U,P1,P2,P3	mg/kg	0.0022	0.00054	SW846 8260D	1	06/19/2024 15:54	TMP	A2
1,2,4-Trichlorobenzene	0.00054U	U,P1,P2,P3	mg/kg	0.0054	0.00054	SW846 8260D	1	06/19/2024 15:54	TMP	A2
1,2,4-Trimethylbenzene	0.00054U	U,P1,P2,P3	mg/kg	0.0022	0.00054	SW846 8260D	1	06/19/2024 15:54	TMP	A2
1,2-Dibromo-3-chloropropane	0.00027U	U,P1,P2,P3	mg/kg	0.0022	0.00027	SW846 8260D	1	06/19/2024 15:54	TMP	A2
1,2-Dibromoethane	0.00058U	U,P1,P2,P3	mg/kg	0.0022	0.00058	SW846 8260D	1	06/19/2024 15:54	TMP	A2
1,2-Dichlorobenzene	0.00054U	U,P1,P2,P3	mg/kg	0.0022	0.00054	SW846 8260D	1	06/19/2024 15:54	TMP	A2
1,2-Dichloroethane	0.00054U	U,P1,P2,P3	mg/kg	0.0022	0.00054	SW846 8260D	1	06/19/2024 15:54	TMP	A2
1,2-Dichloropropane	0.00065U	U,P1,P2,P3	mg/kg	0.0022	0.00065	SW846 8260D	1	06/19/2024 15:54	TMP	A2
1,3,5-Trimethylbenzene	0.00054U	U,P1,P2,P3	mg/kg	0.0022	0.00054	SW846 8260D	1	06/19/2024 15:54	TMP	A2
1,3-Dichlorobenzene	0.00054U	U,P1,P2,P3	mg/kg	0.0022	0.00054	SW846 8260D	1	06/19/2024 15:54	TMP	A2
1,3-Dichloropropane	0.00089U	U,P1,P2,P3	mg/kg	0.0022	0.00089	SW846 8260D	1	06/19/2024 15:54	TMP	A2
1,4-Dichlorobenzene	0.00054U	U,P1,P2,P3	mg/kg	0.0022	0.00054	SW846 8260D	1	06/19/2024 15:54	TMP	A2
2,2-Dichloropropane	0.00054U	U,P1,P2,P3	mg/kg	0.0022	0.00054	SW846 8260D	1	06/19/2024 15:54	TMP	A2
2-Butanone	0.0034U	U,P1,P2,P3	mg/kg	0.011	0.0034	SW846 8260D	1	06/19/2024 15:54	TMP	A2
2-Hexanone	0.0030U	U,P1,P2,P3	mg/kg	0.011	0.0030	SW846 8260D	1	06/19/2024 15:54	TMP	A2
4-Methyl-2-Pentanone(MIBK)	0.0041U	U,P1,P2,P3	mg/kg	0.011	0.0041	SW846 8260D	1	06/19/2024 15:54	TMP	A2
Acetone	0.0050U	U,P1,P2,P3	mg/kg	0.011	0.0050	SW846 8260D	1	06/19/2024 15:54	TMP	A2
Benzene	0.00054U	U,P1,P2,P3	mg/kg	0.0022	0.00054	SW846 8260D	1	06/19/2024 15:54	TMP	A2
Bromobenzene	0.00054U	U,P1,P2,P3	mg/kg	0.0022	0.00054	SW846 8260D	1	06/19/2024 15:54	TMP	A2
Bromochloromethane	0.00054U	U,P1,P2,P3	mg/kg	0.0022	0.00054	SW846 8260D	1	06/19/2024 15:54	TMP	A2
Bromodichloromethane	0.00077U	U,P1,P2,P3	mg/kg	0.0022	0.00077	SW846 8260D	1	06/19/2024 15:54	TMP	A2
Bromoform	0.00056U	U,P1,P2,P3	mg/kg	0.0022	0.00056	SW846 8260D	1	06/19/2024 15:54	TMP	A2
Bromomethane	0.00056U	U,2,3,4,P1,P2,P3	mg/kg	0.0022	0.00056	SW846 8260D	1	06/19/2024 15:54	TMP	A2
Carbon Disulfide	0.00068U	U,P1,P2,P3	mg/kg	0.0022	0.00068	SW846 8260D	1	06/19/2024 15:54	TMP	A2
Carbon Tetrachloride	0.00055U	U,P1,P2,P3	mg/kg	0.0022	0.00055	SW846 8260D	1	06/19/2024 15:54	TMP	A2
Chlorobenzene	0.00055U	U,P1,P2,P3	mg/kg	0.0022	0.00055	SW846 8260D	1	06/19/2024 15:54	TMP	A2
Chlorodibromomethane	0.00073U	U,P1,P2,P3	mg/kg	0.0022	0.00073	SW846 8260D	1	06/19/2024 15:54	TMP	A2
Chloroethane	0.00092U	U,P1,P2,P3	mg/kg	0.0054	0.00092	SW846 8260D	1	06/19/2024 15:54	TMP	A2

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**Results**

Client Sample ID	SB-33 (0-2)	Collected	06/07/2024 14:35
Lab Sample ID	3363931019	Lab Receipt	06/11/2024 15:50

**VOLATILE ORGANICS (cont.)**

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Chloroform	0.00057U	U,P1,P2,P3	mg/kg	0.0022	0.00057	SW846 8260D	1	06/19/2024 15:54	TMP	A2
Chloromethane	0.00059U	U,P1,P2,P3	mg/kg	0.0022	0.00059	SW846 8260D	1	06/19/2024 15:54	TMP	A2
cis-1,2-Dichloroethene	0.00054U	U,P1,P2,P3	mg/kg	0.0022	0.00054	SW846 8260D	1	06/19/2024 15:54	TMP	A2
cis-1,3-Dichloropropene	0.00059U	U,P1,P2,P3	mg/kg	0.0022	0.00059	SW846 8260D	1	06/19/2024 15:54	TMP	A2
Dibromomethane	0.00078U	U,P1,P2,P3	mg/kg	0.0022	0.00078	SW846 8260D	1	06/19/2024 15:54	TMP	A2
Dichlorodifluoromethane	0.00072U	U,P1,P2,P3	mg/kg	0.0022	0.00072	SW846 8260D	1	06/19/2024 15:54	TMP	A2
Ethylbenzene	0.00073U	U,P1,P2,P3	mg/kg	0.0022	0.00073	SW846 8260D	1	06/19/2024 15:54	TMP	A2
Freon 113	0.00054U	U,5,7,P1,P2,P3	mg/kg	0.0022	0.00054	SW846 8260D	1	06/19/2024 15:54	TMP	A2
Hexachlorobutadiene	0.00054U	U,P1,P2,P3	mg/kg	0.0054	0.00054	SW846 8260D	1	06/19/2024 15:54	TMP	A2
Isopropylbenzene	0.00066U	U,P1,P2,P3	mg/kg	0.0022	0.00066	SW846 8260D	1	06/19/2024 15:54	TMP	A2
Methyl t-Butyl Ether	0.00054U	U,P1,P2,P3	mg/kg	0.0022	0.00054	SW846 8260D	1	06/19/2024 15:54	TMP	A2
Methylene Chloride	0.00084U	U,P1,P2,P3	mg/kg	0.0022	0.00084	SW846 8260D	1	06/19/2024 15:54	TMP	A2
mp-Xylene	0.00089U	U,P1,P2,P3	mg/kg	0.0043	0.00089	SW846 8260D	1	06/19/2024 15:54	TMP	A2
Naphthalene	0.00054U	U,P1,P2,P3	mg/kg	0.0022	0.00054	SW846 8260D	1	06/19/2024 15:54	TMP	A2
n-Butylbenzene	0.00054U	U,P1,P2,P3	mg/kg	0.0022	0.00054	SW846 8260D	1	06/19/2024 15:54	TMP	A2
n-Propylbenzene	0.00054U	U,P1,P2,P3	mg/kg	0.0022	0.00054	SW846 8260D	1	06/19/2024 15:54	TMP	A2
o-Chlorotoluene	0.00054U	U,P1,P2,P3	mg/kg	0.0022	0.00054	SW846 8260D	1	06/19/2024 15:54	TMP	A2
o-Xylene	0.00062U	U,P1,P2,P3	mg/kg	0.0022	0.00062	SW846 8260D	1	06/19/2024 15:54	TMP	A2
p-Chlorotoluene	0.00054U	U,P1,P2,P3	mg/kg	0.0022	0.00054	SW846 8260D	1	06/19/2024 15:54	TMP	A2
p-Isopropyltoluene	0.00054U	U,P1,P2,P3	mg/kg	0.0022	0.00054	SW846 8260D	1	06/19/2024 15:54	TMP	A2
sec-Butylbenzene	0.00054U	U,P1,P2,P3	mg/kg	0.0022	0.00054	SW846 8260D	1	06/19/2024 15:54	TMP	A2
Styrene	0.00054U	U,P1,P2,P3	mg/kg	0.0022	0.00054	SW846 8260D	1	06/19/2024 15:54	TMP	A2
tert-Butylbenzene	0.00059U	U,P1,P2,P3	mg/kg	0.0022	0.00059	SW846 8260D	1	06/19/2024 15:54	TMP	A2
Tetrachloroethene	0.00065U	U,8,P1,P2,P3	mg/kg	0.0022	0.00065	SW846 8260D	1	06/19/2024 15:54	TMP	A2
Toluene	0.00072U	U,P1,P2,P3	mg/kg	0.0022	0.00072	SW846 8260D	1	06/19/2024 15:54	TMP	A2
Total Xylenes	0.0015U	U,P1,P2,P3	mg/kg	0.0065	0.0015	SW846 8260D	1	06/19/2024 15:54	TMP	A2
trans-1,2-Dichloroethene	0.00056U	U,P1,P2,P3	mg/kg	0.0022	0.00056	SW846 8260D	1	06/19/2024 15:54	TMP	A2
trans-1,3-Dichloropropene	0.00062U	U,P1,P2,P3	mg/kg	0.0022	0.00062	SW846 8260D	1	06/19/2024 15:54	TMP	A2
Trichloroethene	0.00054U	U,P1,P2,P3	mg/kg	0.0022	0.00054	SW846 8260D	1	06/19/2024 15:54	TMP	A2
Trichlorofluoromethane	0.00054U	U,P1,P2,P3	mg/kg	0.0022	0.00054	SW846 8260D	1	06/19/2024 15:54	TMP	A2
Vinyl Chloride	0.00054U	U,P1,P2,P3	mg/kg	0.0022	0.00054	SW846 8260D	1	06/19/2024 15:54	TMP	A2

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## Results

Client Sample ID	SB-33 (0-2)	Collected	06/07/2024 14:35
Lab Sample ID	3363931019	Lab Receipt	06/11/2024 15:50

### VOLATILE ORGANICS (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
<i>SURROGATES</i>										
Compound	CAS No			Recovery		Limits(%)		Analysis Date/Time		Qualifiers
1,2-Dichloroethane-d4	17060-07-0			119%		56 – 124		06/19/2024 15:54		
4-Bromofluorobenzene	460-00-4			94.8%		51 – 128		06/19/2024 15:54		
Dibromofluoromethane	1868-53-7			100%		62 – 123		06/19/2024 15:54		
Toluene-d8	2037-26-5			94.2%		59 – 131		06/19/2024 15:54		

### WET CHEMISTRY

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Moisture	13.8	P1,P2,P3	%	0.1	0.01	S2540G-11	1	06/13/2024 17:05	E1R	A
Total Solids	86.2	P1,P2,P3	%	0.1	0.01	S2540G-11	1	06/13/2024 17:05	E1R	A

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## Results

Client Sample ID	SB-33 (2-4)	Collected	06/07/2024 14:35
Lab Sample ID	3363931020	Lab Receipt	06/11/2024 15:50

### GASOLINE RANGE ORGANICS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Gasoline Range Organics	2.6J	J,P1,P2,P3	mg/kg	12.3	2.1	SW846 8015D	100	06/19/2024 04:07	JTH	A1

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
a,a,a-Trifluorotoluene	98-08-8	83.8%	72 - 134	06/19/2024 04:07	

### PETROLEUM HC's

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Diesel Range Organics C10-C28	87.8	P1,P2,P3	mg/kg	13.2	3.6	SW846 8015D	1	06/21/2024 10:47	AJW	A

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
o-Terphenyl	84-15-1	79.9%	36 - 122	06/21/2024 10:47	

### SEMIVOLATILE SIM

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,4-Dioxane	0.0032U	U,P1,P2,P3	mg/kg	0.0064	0.0032	SW846 8270E SIM	1	06/22/2024 02:22	M1O	A
1-Methylnaphthalene	0.0071	P1,P2,P3	mg/kg	0.0064	0.0012	SW846 8270E SIM	1	06/22/2024 02:22	M1O	A
2-Methylnaphthalene	0.0084	P1,P2,P3	mg/kg	0.0064	0.0017	SW846 8270E SIM	1	06/22/2024 02:22	M1O	A
Acenaphthene	0.0012U	U,P1,P2,P3	mg/kg	0.0064	0.0012	SW846 8270E SIM	1	06/22/2024 02:22	M1O	A
Acenaphthylene	0.0012U	U,P1,P2,P3	mg/kg	0.0064	0.0012	SW846 8270E SIM	1	06/22/2024 02:22	M1O	A
Anthracene	0.0059J	J,P1,P2,P3	mg/kg	0.0064	0.0010	SW846 8270E SIM	1	06/22/2024 02:22	M1O	A
Benzo(a)anthracene	0.0010U	U,P1,P2,P3	mg/kg	0.0064	0.0010	SW846 8270E SIM	1	06/22/2024 02:22	M1O	A
Benzo(a)pyrene	0.0010U	U,P1,P2,P3	mg/kg	0.0064	0.0010	SW846 8270E SIM	1	06/22/2024 02:22	M1O	A
Benzo(b)fluoranthene	0.0010U	U,P1,P2,P3	mg/kg	0.0064	0.0010	SW846 8270E SIM	1	06/22/2024 02:22	M1O	A
Benzo(g,h,i)perylene	0.012	P1,P2,P3	mg/kg	0.0064	0.0013	SW846 8270E SIM	1	06/22/2024 02:22	M1O	A
Benzo(k)fluoranthene	0.0012U	U,P1,P2,P3	mg/kg	0.0064	0.0012	SW846 8270E SIM	1	06/22/2024 02:22	M1O	A
Chrysene	0.0012U	U,P1,P2,P3	mg/kg	0.0064	0.0012	SW846 8270E SIM	1	06/22/2024 02:22	M1O	A
Dibenzo(a,h)anthracene	0.00090U	U,P1,P2,P3	mg/kg	0.0064	0.00090	SW846 8270E SIM	1	06/22/2024 02:22	M1O	A
Fluoranthene	0.0012U	U,P1,P2,P3	mg/kg	0.0064	0.0012	SW846 8270E SIM	1	06/22/2024 02:22	M1O	A
Fluorene	0.0013U	U,P1,P2,P3	mg/kg	0.0064	0.0013	SW846 8270E SIM	1	06/22/2024 02:22	M1O	A
Indeno(1,2,3-cd)pyrene	0.0010U	U,P1,P2,P3	mg/kg	0.0064	0.0010	SW846 8270E SIM	1	06/22/2024 02:22	M1O	A
Naphthalene	0.0032J	J,P1,P2,P3	mg/kg	0.0064	0.0014	SW846 8270E SIM	1	06/22/2024 02:22	M1O	A
Phenanthrene	0.010	P1,P2,P3	mg/kg	0.0064	0.0014	SW846 8270E SIM	1	06/22/2024 02:22	M1O	A



## Results

Client Sample ID	SB-33 (2-4)	Collected	06/07/2024 14:35
Lab Sample ID	3363931020	Lab Receipt	06/11/2024 15:50

### SEMIVOLATILE SIM (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Pyrene	0.0010U	U,P1,P2 ,P3	mg/kg	0.0064	0.0010	SW846 8270E SIM	1	06/22/2024 02:22	M1O	A

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
2-Methylnaphthalene-d10	7297-45-2	70.7%	50 - 150	06/22/2024 02:22	
Fluoranthene-d10	93951-69-0	77.2%	50 - 150	06/22/2024 02:22	

### SEMIVOLATILES

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1-Methylnaphthalene	0.022U	U,P1,P2 ,P3	mg/kg	0.13	0.022	SW846 8270E	1	06/21/2024 06:59	M1O	A
2-Methylnaphthalene	0.022U	U,P1,P2 ,P3	mg/kg	0.13	0.022	SW846 8270E	1	06/21/2024 06:59	M1O	A
Acenaphthene	0.022U	U,P1,P2 ,P3	mg/kg	0.064	0.022	SW846 8270E	1	06/21/2024 06:59	M1O	A
Acenaphthylene	0.022U	U,P1,P2 ,P3	mg/kg	0.064	0.022	SW846 8270E	1	06/21/2024 06:59	M1O	A
Anthracene	0.022U	U,P1,P2 ,P3	mg/kg	0.064	0.022	SW846 8270E	1	06/21/2024 06:59	M1O	A
Benzo(a)anthracene	0.022U	U,P1,P2 ,P3	mg/kg	0.064	0.022	SW846 8270E	1	06/21/2024 06:59	M1O	A
Benzo(a)pyrene	0.022U	U,P1,P2 ,P3	mg/kg	0.064	0.022	SW846 8270E	1	06/21/2024 06:59	M1O	A
Benzo(b)fluoranthene	0.022U	U,P1,P2 ,P3	mg/kg	0.064	0.022	SW846 8270E	1	06/21/2024 06:59	M1O	A
Benzo(g,h,i)perylene	0.022U	U,P1,P2 ,P3	mg/kg	0.064	0.022	SW846 8270E	1	06/21/2024 06:59	M1O	A
Benzo(k)fluoranthene	0.022U	U,P1,P2 ,P3	mg/kg	0.064	0.022	SW846 8270E	1	06/21/2024 06:59	M1O	A
Carbazole	0.022U	U,P1,P2 ,P3	mg/kg	0.13	0.022	SW846 8270E	1	06/21/2024 06:59	M1O	A
Chrysene	0.022U	U,P1,P2 ,P3	mg/kg	0.064	0.022	SW846 8270E	1	06/21/2024 06:59	M1O	A
Dibenzo(a,h)anthracene	0.022U	U,P1,P2 ,P3	mg/kg	0.064	0.022	SW846 8270E	1	06/21/2024 06:59	M1O	A
Dibenzofuran	0.022U	U,P1,P2 ,P3	mg/kg	0.13	0.022	SW846 8270E	1	06/21/2024 06:59	M1O	A
Fluoranthene	0.022U	U,P1,P2 ,P3	mg/kg	0.064	0.022	SW846 8270E	1	06/21/2024 06:59	M1O	A
Fluorene	0.022U	U,P1,P2 ,P3	mg/kg	0.064	0.022	SW846 8270E	1	06/21/2024 06:59	M1O	A
Indeno(1,2,3-cd)pyrene	0.022U	U,P1,P2 ,P3	mg/kg	0.064	0.022	SW846 8270E	1	06/21/2024 06:59	M1O	A
Naphthalene	0.022U	U,P1,P2 ,P3	mg/kg	0.064	0.022	SW846 8270E	1	06/21/2024 06:59	M1O	A
Phenanthrene	0.022U	U,P1,P2 ,P3	mg/kg	0.064	0.022	SW846 8270E	1	06/21/2024 06:59	M1O	A
Pyrene	0.022U	U,P1,P2 ,P3	mg/kg	0.064	0.022	SW846 8270E	1	06/21/2024 06:59	M1O	A

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
2-Fluorobiphenyl	321-60-8	61.3%	40 - 110	06/21/2024 06:59	
2-Fluorophenol	367-12-4	59%	26 - 116	06/21/2024 06:59	
Nitrobenzene-d5	4165-60-0	60.7%	38 - 112	06/21/2024 06:59	
Phenol-d5	4165-62-2	64.7%	35 - 111	06/21/2024 06:59	
Terphenyl-d14	98904-43-9	81.3%	45 - 126	06/21/2024 06:59	





**Results**

Client Sample ID	SB-33 (2-4)	Collected	06/07/2024 14:35
Lab Sample ID	3363931020	Lab Receipt	06/11/2024 15:50

**VOLATILE ORGANICS**

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1-Trichloroethane	0.00077U	U,P1,P2,P3	mg/kg	0.0025	0.00077	SW846 8260D	1	06/19/2024 16:19	TMP	A2
1,1,2,2-Tetrachloroethane	0.00069U	U,P1,P2,P3	mg/kg	0.0025	0.00069	SW846 8260D	1	06/19/2024 16:19	TMP	A2
1,1,2-Trichloroethane	0.00069U	U,P1,P2,P3	mg/kg	0.0025	0.00069	SW846 8260D	1	06/19/2024 16:19	TMP	A2
1,1-Dichloroethane	0.00062U	U,P1,P2,P3	mg/kg	0.0025	0.00062	SW846 8260D	1	06/19/2024 16:19	TMP	A2
1,1-Dichloroethene	0.00064U	U,P1,P2,P3	mg/kg	0.0025	0.00064	SW846 8260D	1	06/19/2024 16:19	TMP	A2
1,1-Dichloropropene	0.00062U	U,P1,P2,P3	mg/kg	0.0025	0.00062	SW846 8260D	1	06/19/2024 16:19	TMP	A2
1,2,3-Trichlorobenzene	0.00062U	U,P1,P2,P3	mg/kg	0.0062	0.00062	SW846 8260D	1	06/19/2024 16:19	TMP	A2
1,2,3-Trichloropropane	0.00062U	U,P1,P2,P3	mg/kg	0.0025	0.00062	SW846 8260D	1	06/19/2024 16:19	TMP	A2
1,2,4-Trichlorobenzene	0.00062U	U,P1,P2,P3	mg/kg	0.0062	0.00062	SW846 8260D	1	06/19/2024 16:19	TMP	A2
1,2,4-Trimethylbenzene	0.00062U	U,P1,P2,P3	mg/kg	0.0025	0.00062	SW846 8260D	1	06/19/2024 16:19	TMP	A2
1,2-Dibromo-3-chloropropane	0.00031U	U,P1,P2,P3	mg/kg	0.0025	0.00031	SW846 8260D	1	06/19/2024 16:19	TMP	A2
1,2-Dibromoethane	0.00067U	U,P1,P2,P3	mg/kg	0.0025	0.00067	SW846 8260D	1	06/19/2024 16:19	TMP	A2
1,2-Dichlorobenzene	0.00062U	U,P1,P2,P3	mg/kg	0.0025	0.00062	SW846 8260D	1	06/19/2024 16:19	TMP	A2
1,2-Dichloroethane	0.00062U	U,P1,P2,P3	mg/kg	0.0025	0.00062	SW846 8260D	1	06/19/2024 16:19	TMP	A2
1,2-Dichloropropane	0.00074U	U,P1,P2,P3	mg/kg	0.0025	0.00074	SW846 8260D	1	06/19/2024 16:19	TMP	A2
1,3,5-Trimethylbenzene	0.00062U	U,P1,P2,P3	mg/kg	0.0025	0.00062	SW846 8260D	1	06/19/2024 16:19	TMP	A2
1,3-Dichlorobenzene	0.00062U	U,P1,P2,P3	mg/kg	0.0025	0.00062	SW846 8260D	1	06/19/2024 16:19	TMP	A2
1,3-Dichloropropane	0.0010U	U,P1,P2,P3	mg/kg	0.0025	0.0010	SW846 8260D	1	06/19/2024 16:19	TMP	A2
1,4-Dichlorobenzene	0.00062U	U,P1,P2,P3	mg/kg	0.0025	0.00062	SW846 8260D	1	06/19/2024 16:19	TMP	A2
2,2-Dichloropropane	0.00062U	U,P1,P2,P3	mg/kg	0.0025	0.00062	SW846 8260D	1	06/19/2024 16:19	TMP	A2
2-Butanone	0.0040U	U,P1,P2,P3	mg/kg	0.012	0.0040	SW846 8260D	1	06/19/2024 16:19	TMP	A2
2-Hexanone	0.0035U	U,P1,P2,P3	mg/kg	0.012	0.0035	SW846 8260D	1	06/19/2024 16:19	TMP	A2
4-Methyl-2-Pentanone(MIBK)	0.0047U	U,P1,P2,P3	mg/kg	0.012	0.0047	SW846 8260D	1	06/19/2024 16:19	TMP	A2
Acetone	0.0057U	U,P1,P2,P3	mg/kg	0.012	0.0057	SW846 8260D	1	06/19/2024 16:19	TMP	A2
Benzene	0.00062U	U,P1,P2,P3	mg/kg	0.0025	0.00062	SW846 8260D	1	06/19/2024 16:19	TMP	A2
Bromobenzene	0.00062U	U,P1,P2,P3	mg/kg	0.0025	0.00062	SW846 8260D	1	06/19/2024 16:19	TMP	A2
Bromochloromethane	0.00062U	U,P1,P2,P3	mg/kg	0.0025	0.00062	SW846 8260D	1	06/19/2024 16:19	TMP	A2
Bromodichloromethane	0.00088U	U,P1,P2,P3	mg/kg	0.0025	0.00088	SW846 8260D	1	06/19/2024 16:19	TMP	A2
Bromoform	0.00064U	U,P1,P2,P3	mg/kg	0.0025	0.00064	SW846 8260D	1	06/19/2024 16:19	TMP	A2
Bromomethane	0.00064U	U,2,3,4,P1,P2,P3	mg/kg	0.0025	0.00064	SW846 8260D	1	06/19/2024 16:19	TMP	A2
Carbon Disulfide	0.00078U	U,P1,P2,P3	mg/kg	0.0025	0.00078	SW846 8260D	1	06/19/2024 16:19	TMP	A2
Carbon Tetrachloride	0.00063U	U,P1,P2,P3	mg/kg	0.0025	0.00063	SW846 8260D	1	06/19/2024 16:19	TMP	A2
Chlorobenzene	0.00063U	U,P1,P2,P3	mg/kg	0.0025	0.00063	SW846 8260D	1	06/19/2024 16:19	TMP	A2
Chlorodibromomethane	0.00084U	U,P1,P2,P3	mg/kg	0.0025	0.00084	SW846 8260D	1	06/19/2024 16:19	TMP	A2
Chloroethane	0.0011U	U,P1,P2,P3	mg/kg	0.0062	0.0011	SW846 8260D	1	06/19/2024 16:19	TMP	A2

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**Results**

Client Sample ID SB-33 (2-4) Collected 06/07/2024 14:35  
 Lab Sample ID 3363931020 Lab Receipt 06/11/2024 15:50

**VOLATILE ORGANICS (cont.)**

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Chloroform	0.00066U	U,P1,P2,P3	mg/kg	0.0025	0.00066	SW846 8260D	1	06/19/2024 16:19	TMP	A2
Chloromethane	0.00068U	U,P1,P2,P3	mg/kg	0.0025	0.00068	SW846 8260D	1	06/19/2024 16:19	TMP	A2
cis-1,2-Dichloroethene	0.00062U	U,P1,P2,P3	mg/kg	0.0025	0.00062	SW846 8260D	1	06/19/2024 16:19	TMP	A2
cis-1,3-Dichloropropene	0.00068U	U,P1,P2,P3	mg/kg	0.0025	0.00068	SW846 8260D	1	06/19/2024 16:19	TMP	A2
Dibromomethane	0.00089U	U,P1,P2,P3	mg/kg	0.0025	0.00089	SW846 8260D	1	06/19/2024 16:19	TMP	A2
Dichlorodifluoromethane	0.00083U	U,P1,P2,P3	mg/kg	0.0025	0.00083	SW846 8260D	1	06/19/2024 16:19	TMP	A2
Ethylbenzene	0.00084U	U,P1,P2,P3	mg/kg	0.0025	0.00084	SW846 8260D	1	06/19/2024 16:19	TMP	A2
Freon 113	0.00062U	U,5,7,P1,P2,P3	mg/kg	0.0025	0.00062	SW846 8260D	1	06/19/2024 16:19	TMP	A2
Hexachlorobutadiene	0.00062U	U,P1,P2,P3	mg/kg	0.0062	0.00062	SW846 8260D	1	06/19/2024 16:19	TMP	A2
Isopropylbenzene	0.00075U	U,P1,P2,P3	mg/kg	0.0025	0.00075	SW846 8260D	1	06/19/2024 16:19	TMP	A2
Methyl t-Butyl Ether	0.00062U	U,P1,P2,P3	mg/kg	0.0025	0.00062	SW846 8260D	1	06/19/2024 16:19	TMP	A2
Methylene Chloride	0.0026	P1,P2,P3	mg/kg	0.0025	0.00096	SW846 8260D	1	06/19/2024 16:19	TMP	A2
mp-Xylene	0.0010U	U,P1,P2,P3	mg/kg	0.0049	0.0010	SW846 8260D	1	06/19/2024 16:19	TMP	A2
Naphthalene	0.00062U	U,P1,P2,P3	mg/kg	0.0025	0.00062	SW846 8260D	1	06/19/2024 16:19	TMP	A2
n-Butylbenzene	0.00062U	U,P1,P2,P3	mg/kg	0.0025	0.00062	SW846 8260D	1	06/19/2024 16:19	TMP	A2
n-Propylbenzene	0.00062U	U,P1,P2,P3	mg/kg	0.0025	0.00062	SW846 8260D	1	06/19/2024 16:19	TMP	A2
o-Chlorotoluene	0.00062U	U,P1,P2,P3	mg/kg	0.0025	0.00062	SW846 8260D	1	06/19/2024 16:19	TMP	A2
o-Xylene	0.00072U	U,P1,P2,P3	mg/kg	0.0025	0.00072	SW846 8260D	1	06/19/2024 16:19	TMP	A2
p-Chlorotoluene	0.00062U	U,P1,P2,P3	mg/kg	0.0025	0.00062	SW846 8260D	1	06/19/2024 16:19	TMP	A2
p-Isopropyltoluene	0.00062U	U,P1,P2,P3	mg/kg	0.0025	0.00062	SW846 8260D	1	06/19/2024 16:19	TMP	A2
sec-Butylbenzene	0.00062U	U,P1,P2,P3	mg/kg	0.0025	0.00062	SW846 8260D	1	06/19/2024 16:19	TMP	A2
Styrene	0.00062U	U,P1,P2,P3	mg/kg	0.0025	0.00062	SW846 8260D	1	06/19/2024 16:19	TMP	A2
tert-Butylbenzene	0.00068U	U,P1,P2,P3	mg/kg	0.0025	0.00068	SW846 8260D	1	06/19/2024 16:19	TMP	A2
Tetrachloroethene	0.00074U	U,8,P1,P2,P3	mg/kg	0.0025	0.00074	SW846 8260D	1	06/19/2024 16:19	TMP	A2
Toluene	0.00083U	U,P1,P2,P3	mg/kg	0.0025	0.00083	SW846 8260D	1	06/19/2024 16:19	TMP	A2
Total Xylenes	0.0017U	U,P1,P2,P3	mg/kg	0.0074	0.0017	SW846 8260D	1	06/19/2024 16:19	TMP	A2
trans-1,2-Dichloroethene	0.00064U	U,P1,P2,P3	mg/kg	0.0025	0.00064	SW846 8260D	1	06/19/2024 16:19	TMP	A2
trans-1,3-Dichloropropene	0.00072U	U,P1,P2,P3	mg/kg	0.0025	0.00072	SW846 8260D	1	06/19/2024 16:19	TMP	A2
Trichloroethene	0.00062U	U,P1,P2,P3	mg/kg	0.0025	0.00062	SW846 8260D	1	06/19/2024 16:19	TMP	A2
Trichlorofluoromethane	0.00062U	U,P1,P2,P3	mg/kg	0.0025	0.00062	SW846 8260D	1	06/19/2024 16:19	TMP	A2
Vinyl Chloride	0.00062U	U,P1,P2,P3	mg/kg	0.0025	0.00062	SW846 8260D	1	06/19/2024 16:19	TMP	A2

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## Results

Client Sample ID	SB-33 (2-4)	Collected	06/07/2024 14:35
Lab Sample ID	3363931020	Lab Receipt	06/11/2024 15:50

### VOLATILE ORGANICS (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
<i>SURROGATES</i>										
Compound	CAS No			Recovery		Limits(%)		Analysis Date/Time		Qualifiers
1,2-Dichloroethane-d4	17060-07-0			119%		56 – 124		06/19/2024 16:19		
4-Bromofluorobenzene	460-00-4			95.1%		51 – 128		06/19/2024 16:19		
Dibromofluoromethane	1868-53-7			100%		62 – 123		06/19/2024 16:19		
Toluene-d8	2037-26-5			93.9%		59 – 131		06/19/2024 16:19		

### WET CHEMISTRY

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Moisture	24.0	P1,P2,P3	%	0.1	0.01	S2540G-11	1	06/13/2024 17:05	E1R	A
Total Solids	76.0	P1,P2,P3	%	0.1	0.01	S2540G-11	1	06/13/2024 17:05	E1R	A

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## Results

Client Sample ID	HA-03 (0-2)	Collected	06/05/2024 13:15
Lab Sample ID	3363931021	Lab Receipt	06/11/2024 15:50

### METALS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Lead, Total	1010	32,P1,P2,P3	mg/kg	4.4	1.5	SW846 6010C	2	06/19/2024 13:59	MSY	A1

### WET CHEMISTRY

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Moisture	15.5	P1,P2,P3	%	0.1	0.01	S2540G-11	1	06/13/2024 17:05	E1R	A
Total Solids	84.5	31,P1,P2,P3	%	0.1	0.01	S2540G-11	1	06/13/2024 17:05	E1R	A

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## Results

Client Sample ID	SB-25 (4-6)	Collected	06/05/2024 13:40
Lab Sample ID	3363931022	Lab Receipt	06/11/2024 15:50

### GASOLINE RANGE ORGANICS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Gasoline Range Organics	2.2J	J,P1,P2, P3	mg/kg	12.7	2.2	SW846 8015D	100	06/19/2024 04:33	JTH	A1

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
a,a,a-Trifluorotoluene	98-08-8	88%	72 - 134	06/19/2024 04:33	

### PETROLEUM HC's

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Diesel Range Organics C10-C28	4.7J	J,P1,P2, P3	mg/kg	12.5	3.4	SW846 8015D	1	06/21/2024 11:19	AJW	A

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
o-Terphenyl	84-15-1	85.5%	36 - 122	06/21/2024 11:19	

### SEMIVOLATILE SIM

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,4-Dioxane	0.0028U	U,P1,P2, ,P3	mg/kg	0.0055	0.0028	SW846 8270E SIM	1	06/22/2024 02:49	M1O	A
1-Methylnaphthalene	0.0024J	J,P1,P2, P3	mg/kg	0.0055	0.00099	SW846 8270E SIM	1	06/22/2024 02:49	M1O	A
2-Methylnaphthalene	0.0043J	J,P1,P2, P3	mg/kg	0.0055	0.0014	SW846 8270E SIM	1	06/22/2024 02:49	M1O	A
Acenaphthene	0.00099U	U,P1,P2, ,P3	mg/kg	0.0055	0.00099	SW846 8270E SIM	1	06/22/2024 02:49	M1O	A
Acenaphthylene	0.00099U	U,P1,P2, ,P3	mg/kg	0.0055	0.00099	SW846 8270E SIM	1	06/22/2024 02:49	M1O	A
Anthracene	0.00088U	U,P1,P2, ,P3	mg/kg	0.0055	0.00088	SW846 8270E SIM	1	06/22/2024 02:49	M1O	A
Benzo(a)anthracene	0.00088U	U,P1,P2, ,P3	mg/kg	0.0055	0.00088	SW846 8270E SIM	1	06/22/2024 02:49	M1O	A
Benzo(a)pyrene	0.00088U	U,P1,P2, ,P3	mg/kg	0.0055	0.00088	SW846 8270E SIM	1	06/22/2024 02:49	M1O	A
Benzo(b)fluoranthene	0.00088U	U,P1,P2, ,P3	mg/kg	0.0055	0.00088	SW846 8270E SIM	1	06/22/2024 02:49	M1O	A
Benzo(g,h,i)perylene	0.0011U	U,P1,P2, ,P3	mg/kg	0.0055	0.0011	SW846 8270E SIM	1	06/22/2024 02:49	M1O	A
Benzo(k)fluoranthene	0.00099U	U,P1,P2, ,P3	mg/kg	0.0055	0.00099	SW846 8270E SIM	1	06/22/2024 02:49	M1O	A
Chrysene	0.00099U	U,P1,P2, ,P3	mg/kg	0.0055	0.00099	SW846 8270E SIM	1	06/22/2024 02:49	M1O	A
Dibenzo(a,h)anthracene	0.00077U	U,P1,P2, ,P3	mg/kg	0.0055	0.00077	SW846 8270E SIM	1	06/22/2024 02:49	M1O	A
Fluoranthene	0.00099U	U,P1,P2, ,P3	mg/kg	0.0055	0.00099	SW846 8270E SIM	1	06/22/2024 02:49	M1O	A
Fluorene	0.0011U	U,P1,P2, ,P3	mg/kg	0.0055	0.0011	SW846 8270E SIM	1	06/22/2024 02:49	M1O	A
Indeno(1,2,3-cd)pyrene	0.00088U	U,P1,P2, ,P3	mg/kg	0.0055	0.00088	SW846 8270E SIM	1	06/22/2024 02:49	M1O	A
Naphthalene	0.0012U	U,P1,P2, ,P3	mg/kg	0.0055	0.0012	SW846 8270E SIM	1	06/22/2024 02:49	M1O	A
Phenanthrene	0.0012U	U,P1,P2, ,P3	mg/kg	0.0055	0.0012	SW846 8270E SIM	1	06/22/2024 02:49	M1O	A



## Results

Client Sample ID	SB-25 (4-6)	Collected	06/05/2024 13:40
Lab Sample ID	3363931022	Lab Receipt	06/11/2024 15:50

### SEMIVOLATILE SIM (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Pyrene	0.00088U	U,P1,P2 ,P3	mg/kg	0.0055	0.00088	SW846 8270E SIM	1	06/22/2024 02:49	M1O	A

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
2-Methylnaphthalene-d10	7297-45-2	73.2%	50 - 150	06/22/2024 02:49	
Fluoranthene-d10	93951-69-0	79.4%	50 - 150	06/22/2024 02:49	

### SEMIVOLATILES

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1-Methylnaphthalene	0.019U	U,P1,P2 ,P3	mg/kg	0.11	0.019	SW846 8270E	1	06/21/2024 07:25	M1O	A
2-Methylnaphthalene	0.019U	U,P1,P2 ,P3	mg/kg	0.11	0.019	SW846 8270E	1	06/21/2024 07:25	M1O	A
Acenaphthene	0.019U	U,P1,P2 ,P3	mg/kg	0.055	0.019	SW846 8270E	1	06/21/2024 07:25	M1O	A
Acenaphthylene	0.019U	U,P1,P2 ,P3	mg/kg	0.055	0.019	SW846 8270E	1	06/21/2024 07:25	M1O	A
Anthracene	0.019U	U,P1,P2 ,P3	mg/kg	0.055	0.019	SW846 8270E	1	06/21/2024 07:25	M1O	A
Benzo(a)anthracene	0.019U	U,P1,P2 ,P3	mg/kg	0.055	0.019	SW846 8270E	1	06/21/2024 07:25	M1O	A
Benzo(a)pyrene	0.019U	U,P1,P2 ,P3	mg/kg	0.055	0.019	SW846 8270E	1	06/21/2024 07:25	M1O	A
Benzo(b)fluoranthene	0.019U	U,P1,P2 ,P3	mg/kg	0.055	0.019	SW846 8270E	1	06/21/2024 07:25	M1O	A
Benzo(g,h,i)perylene	0.019U	U,P1,P2 ,P3	mg/kg	0.055	0.019	SW846 8270E	1	06/21/2024 07:25	M1O	A
Benzo(k)fluoranthene	0.019U	U,P1,P2 ,P3	mg/kg	0.055	0.019	SW846 8270E	1	06/21/2024 07:25	M1O	A
Carbazole	0.019U	U,P1,P2 ,P3	mg/kg	0.11	0.019	SW846 8270E	1	06/21/2024 07:25	M1O	A
Chrysene	0.019U	U,P1,P2 ,P3	mg/kg	0.055	0.019	SW846 8270E	1	06/21/2024 07:25	M1O	A
Dibenzo(a,h)anthracene	0.019U	U,P1,P2 ,P3	mg/kg	0.055	0.019	SW846 8270E	1	06/21/2024 07:25	M1O	A
Dibenzofuran	0.019U	U,P1,P2 ,P3	mg/kg	0.11	0.019	SW846 8270E	1	06/21/2024 07:25	M1O	A
Fluoranthene	0.019U	U,P1,P2 ,P3	mg/kg	0.055	0.019	SW846 8270E	1	06/21/2024 07:25	M1O	A
Fluorene	0.019U	U,P1,P2 ,P3	mg/kg	0.055	0.019	SW846 8270E	1	06/21/2024 07:25	M1O	A
Indeno(1,2,3-cd)pyrene	0.019U	U,P1,P2 ,P3	mg/kg	0.055	0.019	SW846 8270E	1	06/21/2024 07:25	M1O	A
Naphthalene	0.019U	U,P1,P2 ,P3	mg/kg	0.055	0.019	SW846 8270E	1	06/21/2024 07:25	M1O	A
Phenanthrene	0.019U	U,P1,P2 ,P3	mg/kg	0.055	0.019	SW846 8270E	1	06/21/2024 07:25	M1O	A
Pyrene	0.019U	U,P1,P2 ,P3	mg/kg	0.055	0.019	SW846 8270E	1	06/21/2024 07:25	M1O	A

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
2-Fluorobiphenyl	321-60-8	61.5%	40 - 110	06/21/2024 07:25	
2-Fluorophenol	367-12-4	55.7%	26 - 116	06/21/2024 07:25	
Nitrobenzene-d5	4165-60-0	63.5%	38 - 112	06/21/2024 07:25	
Phenol-d5	4165-62-2	60.3%	35 - 111	06/21/2024 07:25	
Terphenyl-d14	98904-43-9	79.3%	45 - 126	06/21/2024 07:25	



**Results**

Client Sample ID	SB-25 (4-6)	Collected	06/05/2024 13:40
Lab Sample ID	3363931022	Lab Receipt	06/11/2024 15:50

**VOLATILE ORGANICS**

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1-Trichloroethane	0.00077U	U,P1,P2,P3	mg/kg	0.0025	0.00077	SW846 8260D	1	06/19/2024 16:45	TMP	A2
1,1,2,2-Tetrachloroethane	0.00070U	U,P1,P2,P3	mg/kg	0.0025	0.00070	SW846 8260D	1	06/19/2024 16:45	TMP	A2
1,1,2-Trichloroethane	0.00070U	U,P1,P2,P3	mg/kg	0.0025	0.00070	SW846 8260D	1	06/19/2024 16:45	TMP	A2
1,1-Dichloroethane	0.00062U	U,P1,P2,P3	mg/kg	0.0025	0.00062	SW846 8260D	1	06/19/2024 16:45	TMP	A2
1,1-Dichloroethene	0.00065U	U,P1,P2,P3	mg/kg	0.0025	0.00065	SW846 8260D	1	06/19/2024 16:45	TMP	A2
1,1-Dichloropropene	0.00062U	U,P1,P2,P3	mg/kg	0.0025	0.00062	SW846 8260D	1	06/19/2024 16:45	TMP	A2
1,2,3-Trichlorobenzene	0.00062U	U,P1,P2,P3	mg/kg	0.0062	0.00062	SW846 8260D	1	06/19/2024 16:45	TMP	A2
1,2,3-Trichloropropane	0.00062U	U,P1,P2,P3	mg/kg	0.0025	0.00062	SW846 8260D	1	06/19/2024 16:45	TMP	A2
1,2,4-Trichlorobenzene	0.00062U	U,P1,P2,P3	mg/kg	0.0062	0.00062	SW846 8260D	1	06/19/2024 16:45	TMP	A2
1,2,4-Trimethylbenzene	0.00062U	U,P1,P2,P3	mg/kg	0.0025	0.00062	SW846 8260D	1	06/19/2024 16:45	TMP	A2
1,2-Dibromo-3-chloropropane	0.00031U	U,P1,P2,P3	mg/kg	0.0025	0.00031	SW846 8260D	1	06/19/2024 16:45	TMP	A2
1,2-Dibromoethane	0.00067U	U,P1,P2,P3	mg/kg	0.0025	0.00067	SW846 8260D	1	06/19/2024 16:45	TMP	A2
1,2-Dichlorobenzene	0.00062U	U,P1,P2,P3	mg/kg	0.0025	0.00062	SW846 8260D	1	06/19/2024 16:45	TMP	A2
1,2-Dichloroethane	0.00062U	U,P1,P2,P3	mg/kg	0.0025	0.00062	SW846 8260D	1	06/19/2024 16:45	TMP	A2
1,2-Dichloropropane	0.00075U	U,P1,P2,P3	mg/kg	0.0025	0.00075	SW846 8260D	1	06/19/2024 16:45	TMP	A2
1,3,5-Trimethylbenzene	0.00062U	U,P1,P2,P3	mg/kg	0.0025	0.00062	SW846 8260D	1	06/19/2024 16:45	TMP	A2
1,3-Dichlorobenzene	0.00062U	U,P1,P2,P3	mg/kg	0.0025	0.00062	SW846 8260D	1	06/19/2024 16:45	TMP	A2
1,3-Dichloropropane	0.0010U	U,P1,P2,P3	mg/kg	0.0025	0.0010	SW846 8260D	1	06/19/2024 16:45	TMP	A2
1,4-Dichlorobenzene	0.00062U	U,P1,P2,P3	mg/kg	0.0025	0.00062	SW846 8260D	1	06/19/2024 16:45	TMP	A2
2,2-Dichloropropane	0.00062U	U,P1,P2,P3	mg/kg	0.0025	0.00062	SW846 8260D	1	06/19/2024 16:45	TMP	A2
2-Butanone	0.0040U	U,P1,P2,P3	mg/kg	0.012	0.0040	SW846 8260D	1	06/19/2024 16:45	TMP	A2
2-Hexanone	0.0035U	U,P1,P2,P3	mg/kg	0.012	0.0035	SW846 8260D	1	06/19/2024 16:45	TMP	A2
4-Methyl-2-Pentanone(MIBK)	0.0047U	U,P1,P2,P3	mg/kg	0.012	0.0047	SW846 8260D	1	06/19/2024 16:45	TMP	A2
Acetone	0.036	P1,P2,P3	mg/kg	0.012	0.0057	SW846 8260D	1	06/19/2024 16:45	TMP	A2
Benzene	0.00062U	U,P1,P2,P3	mg/kg	0.0025	0.00062	SW846 8260D	1	06/19/2024 16:45	TMP	A2
Bromobenzene	0.00062U	U,P1,P2,P3	mg/kg	0.0025	0.00062	SW846 8260D	1	06/19/2024 16:45	TMP	A2
Bromochloromethane	0.00062U	U,P1,P2,P3	mg/kg	0.0025	0.00062	SW846 8260D	1	06/19/2024 16:45	TMP	A2
Bromodichloromethane	0.00088U	U,P1,P2,P3	mg/kg	0.0025	0.00088	SW846 8260D	1	06/19/2024 16:45	TMP	A2
Bromoform	0.00065U	U,P1,P2,P3	mg/kg	0.0025	0.00065	SW846 8260D	1	06/19/2024 16:45	TMP	A2
Bromomethane	0.00065U	U,2,3,4,P1,P2,P3	mg/kg	0.0025	0.00065	SW846 8260D	1	06/19/2024 16:45	TMP	A2
Carbon Disulfide	0.00078U	U,P1,P2,P3	mg/kg	0.0025	0.00078	SW846 8260D	1	06/19/2024 16:45	TMP	A2
Carbon Tetrachloride	0.00063U	U,P1,P2,P3	mg/kg	0.0025	0.00063	SW846 8260D	1	06/19/2024 16:45	TMP	A2
Chlorobenzene	0.00063U	U,P1,P2,P3	mg/kg	0.0025	0.00063	SW846 8260D	1	06/19/2024 16:45	TMP	A2
Chlorodibromomethane	0.00084U	U,P1,P2,P3	mg/kg	0.0025	0.00084	SW846 8260D	1	06/19/2024 16:45	TMP	A2
Chloroethane	0.0011U	U,P1,P2,P3	mg/kg	0.0062	0.0011	SW846 8260D	1	06/19/2024 16:45	TMP	A2

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**Results**

Client Sample ID	SB-25 (4-6)	Collected	06/05/2024 13:40
Lab Sample ID	3363931022	Lab Receipt	06/11/2024 15:50

**VOLATILE ORGANICS (cont.)**

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Chloroform	0.00066U	U,P1,P2,P3	mg/kg	0.0025	0.00066	SW846 8260D	1	06/19/2024 16:45	TMP	A2
Chloromethane	0.00068U	U,P1,P2,P3	mg/kg	0.0025	0.00068	SW846 8260D	1	06/19/2024 16:45	TMP	A2
cis-1,2-Dichloroethene	0.00062U	U,P1,P2,P3	mg/kg	0.0025	0.00062	SW846 8260D	1	06/19/2024 16:45	TMP	A2
cis-1,3-Dichloropropene	0.00068U	U,P1,P2,P3	mg/kg	0.0025	0.00068	SW846 8260D	1	06/19/2024 16:45	TMP	A2
Dibromomethane	0.00089U	U,P1,P2,P3	mg/kg	0.0025	0.00089	SW846 8260D	1	06/19/2024 16:45	TMP	A2
Dichlorodifluoromethane	0.00083U	U,P1,P2,P3	mg/kg	0.0025	0.00083	SW846 8260D	1	06/19/2024 16:45	TMP	A2
Ethylbenzene	0.00084U	U,P1,P2,P3	mg/kg	0.0025	0.00084	SW846 8260D	1	06/19/2024 16:45	TMP	A2
Freon 113	0.00062U	U,5,7,P1,P2,P3	mg/kg	0.0025	0.00062	SW846 8260D	1	06/19/2024 16:45	TMP	A2
Hexachlorobutadiene	0.00062U	U,P1,P2,P3	mg/kg	0.0062	0.00062	SW846 8260D	1	06/19/2024 16:45	TMP	A2
Isopropylbenzene	0.00076U	U,P1,P2,P3	mg/kg	0.0025	0.00076	SW846 8260D	1	06/19/2024 16:45	TMP	A2
Methyl t-Butyl Ether	0.00062U	U,P1,P2,P3	mg/kg	0.0025	0.00062	SW846 8260D	1	06/19/2024 16:45	TMP	A2
Methylene Chloride	0.0017J	J,P1,P2,P3	mg/kg	0.0025	0.00097	SW846 8260D	1	06/19/2024 16:45	TMP	A2
mp-Xylene	0.0010U	U,P1,P2,P3	mg/kg	0.0050	0.0010	SW846 8260D	1	06/19/2024 16:45	TMP	A2
Naphthalene	0.00062U	U,P1,P2,P3	mg/kg	0.0025	0.00062	SW846 8260D	1	06/19/2024 16:45	TMP	A2
n-Butylbenzene	0.00062U	U,P1,P2,P3	mg/kg	0.0025	0.00062	SW846 8260D	1	06/19/2024 16:45	TMP	A2
n-Propylbenzene	0.00062U	U,P1,P2,P3	mg/kg	0.0025	0.00062	SW846 8260D	1	06/19/2024 16:45	TMP	A2
o-Chlorotoluene	0.00062U	U,P1,P2,P3	mg/kg	0.0025	0.00062	SW846 8260D	1	06/19/2024 16:45	TMP	A2
o-Xylene	0.00072U	U,P1,P2,P3	mg/kg	0.0025	0.00072	SW846 8260D	1	06/19/2024 16:45	TMP	A2
p-Chlorotoluene	0.00062U	U,P1,P2,P3	mg/kg	0.0025	0.00062	SW846 8260D	1	06/19/2024 16:45	TMP	A2
p-Isopropyltoluene	0.00062U	U,P1,P2,P3	mg/kg	0.0025	0.00062	SW846 8260D	1	06/19/2024 16:45	TMP	A2
sec-Butylbenzene	0.00062U	U,P1,P2,P3	mg/kg	0.0025	0.00062	SW846 8260D	1	06/19/2024 16:45	TMP	A2
Styrene	0.00062U	U,P1,P2,P3	mg/kg	0.0025	0.00062	SW846 8260D	1	06/19/2024 16:45	TMP	A2
tert-Butylbenzene	0.00068U	U,P1,P2,P3	mg/kg	0.0025	0.00068	SW846 8260D	1	06/19/2024 16:45	TMP	A2
Tetrachloroethene	0.00075U	U,8,P1,P2,P3	mg/kg	0.0025	0.00075	SW846 8260D	1	06/19/2024 16:45	TMP	A2
Toluene	0.00083U	U,P1,P2,P3	mg/kg	0.0025	0.00083	SW846 8260D	1	06/19/2024 16:45	TMP	A2
Total Xylenes	0.0017U	U,P1,P2,P3	mg/kg	0.0075	0.0017	SW846 8260D	1	06/19/2024 16:45	TMP	A2
trans-1,2-Dichloroethene	0.00065U	U,P1,P2,P3	mg/kg	0.0025	0.00065	SW846 8260D	1	06/19/2024 16:45	TMP	A2
trans-1,3-Dichloropropene	0.00072U	U,P1,P2,P3	mg/kg	0.0025	0.00072	SW846 8260D	1	06/19/2024 16:45	TMP	A2
Trichloroethene	0.00062U	U,P1,P2,P3	mg/kg	0.0025	0.00062	SW846 8260D	1	06/19/2024 16:45	TMP	A2
Trichlorofluoromethane	0.00062U	U,P1,P2,P3	mg/kg	0.0025	0.00062	SW846 8260D	1	06/19/2024 16:45	TMP	A2
Vinyl Chloride	0.00062U	U,P1,P2,P3	mg/kg	0.0025	0.00062	SW846 8260D	1	06/19/2024 16:45	TMP	A2

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## Results

Client Sample ID	SB-25 (4-6)	Collected	06/05/2024 13:40
Lab Sample ID	3363931022	Lab Receipt	06/11/2024 15:50

### VOLATILE ORGANICS (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
<i>SURROGATES</i>										
Compound	CAS No			Recovery		Limits(%)		Analysis Date/Time		Qualifiers
1,2-Dichloroethane-d4	17060-07-0			130*%		56 – 124		06/19/2024 16:45		33
4-Bromofluorobenzene	460-00-4			97.8%		51 – 128		06/19/2024 16:45		
Dibromofluoromethane	1868-53-7			102%		62 – 123		06/19/2024 16:45		
Toluene-d8	2037-26-5			93%		59 – 131		06/19/2024 16:45		

### WET CHEMISTRY

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Moisture	17.7	P1,P2,P3	%	0.1	0.01	S2540G-11	1	06/13/2024 17:05	E1R	A
Total Solids	82.3	31,P1,P2,P3	%	0.1	0.01	S2540G-11	1	06/13/2024 17:05	E1R	A

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## Results

Client Sample ID	SB-25 (6-8)	Collected	06/05/2024 13:40
Lab Sample ID	3363931023	Lab Receipt	06/11/2024 15:50

### GASOLINE RANGE ORGANICS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Gasoline Range Organics	2.3J	J,P1,P2,P3	mg/kg	11.9	2.0	SW846 8015D	100	06/19/2024 04:59	JTH	A1

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
a,a,a-Trifluorotoluene	98-08-8	86.5%	72 - 134	06/19/2024 04:59	

### PETROLEUM HC's

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Diesel Range Organics C10-C28	12.8J	J,P1,P2,P3	mg/kg	13.1	3.6	SW846 8015D	1	06/21/2024 11:52	AJW	A

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
o-Terphenyl	84-15-1	77.8%	36 - 122	06/21/2024 11:52	

### SEMIVOLATILE SIM

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,4-Dioxane	0.0031U	U,P1,P2,P3	mg/kg	0.0062	0.0031	SW846 8270E SIM	1	06/22/2024 03:16	M1O	A
1-Methylnaphthalene	0.069	P1,P2,P3	mg/kg	0.0062	0.0011	SW846 8270E SIM	1	06/22/2024 03:16	M1O	A
2-Methylnaphthalene	0.083	P1,P2,P3	mg/kg	0.0062	0.0016	SW846 8270E SIM	1	06/22/2024 03:16	M1O	A
Acenaphthene	0.0011U	U,P1,P2,P3	mg/kg	0.0062	0.0011	SW846 8270E SIM	1	06/22/2024 03:16	M1O	A
Acenaphthylene	0.0011U	U,P1,P2,P3	mg/kg	0.0062	0.0011	SW846 8270E SIM	1	06/22/2024 03:16	M1O	A
Anthracene	0.0010U	U,P1,P2,P3	mg/kg	0.0062	0.0010	SW846 8270E SIM	1	06/22/2024 03:16	M1O	A
Benzo(a)anthracene	0.0053J	J,P1,P2,P3	mg/kg	0.0062	0.0010	SW846 8270E SIM	1	06/22/2024 03:16	M1O	A
Benzo(a)pyrene	0.0041J	J,P1,P2,P3	mg/kg	0.0062	0.0010	SW846 8270E SIM	1	06/22/2024 03:16	M1O	A
Benzo(b)fluoranthene	0.0050J	J,P1,P2,P3	mg/kg	0.0062	0.0010	SW846 8270E SIM	1	06/22/2024 03:16	M1O	A
Benzo(g,h,i)perylene	0.0064	P1,P2,P3	mg/kg	0.0062	0.0012	SW846 8270E SIM	1	06/22/2024 03:16	M1O	A
Benzo(k)fluoranthene	0.0038J	J,P1,P2,P3	mg/kg	0.0062	0.0011	SW846 8270E SIM	1	06/22/2024 03:16	M1O	A
Chrysene	0.0087	P1,P2,P3	mg/kg	0.0062	0.0011	SW846 8270E SIM	1	06/22/2024 03:16	M1O	A
Dibenzo(a,h)anthracene	0.00087U	U,P1,P2,P3	mg/kg	0.0062	0.00087	SW846 8270E SIM	1	06/22/2024 03:16	M1O	A
Fluoranthene	0.012	P1,P2,P3	mg/kg	0.0062	0.0011	SW846 8270E SIM	1	06/22/2024 03:16	M1O	A
Fluorene	0.0033J	J,P1,P2,P3	mg/kg	0.0062	0.0012	SW846 8270E SIM	1	06/22/2024 03:16	M1O	A
Indeno(1,2,3-cd)pyrene	0.0010U	U,P1,P2,P3	mg/kg	0.0062	0.0010	SW846 8270E SIM	1	06/22/2024 03:16	M1O	A
Naphthalene	0.048	P1,P2,P3	mg/kg	0.0062	0.0014	SW846 8270E SIM	1	06/22/2024 03:16	M1O	A
Phenanthrene	0.054	P1,P2,P3	mg/kg	0.0062	0.0014	SW846 8270E SIM	1	06/22/2024 03:16	M1O	A



## Results

Client Sample ID	SB-25 (6-8)	Collected	06/05/2024 13:40
Lab Sample ID	3363931023	Lab Receipt	06/11/2024 15:50

### SEMIVOLATILE SIM (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Pyrene	0.011	P1,P2,P3	mg/kg	0.0062	0.0010	SW846 8270E SIM	1	06/22/2024 03:16	M1O	A

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
2-Methylnaphthalene-d10	7297-45-2	75.5%	50 - 150	06/22/2024 03:16	
Fluoranthene-d10	93951-69-0	84.5%	50 - 150	06/22/2024 03:16	

### SEMIVOLATILES

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1-Methylnaphthalene	0.065J	J,P1,P2,P3	mg/kg	0.12	0.021	SW846 8270E	1	06/21/2024 07:51	M1O	A
2-Methylnaphthalene	0.083J	J,P1,P2,P3	mg/kg	0.12	0.021	SW846 8270E	1	06/21/2024 07:51	M1O	A
Acenaphthene	0.021U	U,P1,P2,P3	mg/kg	0.062	0.021	SW846 8270E	1	06/21/2024 07:51	M1O	A
Acenaphthylene	0.021U	U,P1,P2,P3	mg/kg	0.062	0.021	SW846 8270E	1	06/21/2024 07:51	M1O	A
Anthracene	0.021U	U,P1,P2,P3	mg/kg	0.062	0.021	SW846 8270E	1	06/21/2024 07:51	M1O	A
Benzo(a)anthracene	0.021U	U,P1,P2,P3	mg/kg	0.062	0.021	SW846 8270E	1	06/21/2024 07:51	M1O	A
Benzo(a)pyrene	0.021U	U,P1,P2,P3	mg/kg	0.062	0.021	SW846 8270E	1	06/21/2024 07:51	M1O	A
Benzo(b)fluoranthene	0.021U	U,P1,P2,P3	mg/kg	0.062	0.021	SW846 8270E	1	06/21/2024 07:51	M1O	A
Benzo(g,h,i)perylene	0.021U	U,P1,P2,P3	mg/kg	0.062	0.021	SW846 8270E	1	06/21/2024 07:51	M1O	A
Benzo(k)fluoranthene	0.021U	U,P1,P2,P3	mg/kg	0.062	0.021	SW846 8270E	1	06/21/2024 07:51	M1O	A
Carbazole	0.021U	U,P1,P2,P3	mg/kg	0.12	0.021	SW846 8270E	1	06/21/2024 07:51	M1O	A
Chrysene	0.021U	U,P1,P2,P3	mg/kg	0.062	0.021	SW846 8270E	1	06/21/2024 07:51	M1O	A
Dibenzo(a,h)anthracene	0.021U	U,P1,P2,P3	mg/kg	0.062	0.021	SW846 8270E	1	06/21/2024 07:51	M1O	A
Dibenzofuran	0.031J	J,P1,P2,P3	mg/kg	0.12	0.021	SW846 8270E	1	06/21/2024 07:51	M1O	A
Fluoranthene	0.021U	U,P1,P2,P3	mg/kg	0.062	0.021	SW846 8270E	1	06/21/2024 07:51	M1O	A
Fluorene	0.021U	U,P1,P2,P3	mg/kg	0.062	0.021	SW846 8270E	1	06/21/2024 07:51	M1O	A
Indeno(1,2,3-cd)pyrene	0.021U	U,P1,P2,P3	mg/kg	0.062	0.021	SW846 8270E	1	06/21/2024 07:51	M1O	A
Naphthalene	0.048J	J,P1,P2,P3	mg/kg	0.062	0.021	SW846 8270E	1	06/21/2024 07:51	M1O	A
Phenanthrene	0.057J	J,P1,P2,P3	mg/kg	0.062	0.021	SW846 8270E	1	06/21/2024 07:51	M1O	A
Pyrene	0.021U	U,P1,P2,P3	mg/kg	0.062	0.021	SW846 8270E	1	06/21/2024 07:51	M1O	A

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
2-Fluorobiphenyl	321-60-8	66.3%	40 - 110	06/21/2024 07:51	
2-Fluorophenol	367-12-4	63.5%	26 - 116	06/21/2024 07:51	
Nitrobenzene-d5	4165-60-0	67%	38 - 112	06/21/2024 07:51	
Phenol-d5	4165-62-2	69.2%	35 - 111	06/21/2024 07:51	
Terphenyl-d14	98904-43-9	85.3%	45 - 126	06/21/2024 07:51	



**Results**

Client Sample ID	SB-25 (6-8)	Collected	06/05/2024 13:40
Lab Sample ID	3363931023	Lab Receipt	06/11/2024 15:50

**VOLATILE ORGANICS**

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1-Trichloroethane	0.00085U	U,P1,P2,P3	mg/kg	0.0028	0.00085	SW846 8260D	1	06/19/2024 17:11	TMP	A2
1,1,2,2-Tetrachloroethane	0.00077U	U,P1,P2,P3	mg/kg	0.0028	0.00077	SW846 8260D	1	06/19/2024 17:11	TMP	A2
1,1,2-Trichloroethane	0.00077U	U,P1,P2,P3	mg/kg	0.0028	0.00077	SW846 8260D	1	06/19/2024 17:11	TMP	A2
1,1-Dichloroethane	0.00069U	U,P1,P2,P3	mg/kg	0.0028	0.00069	SW846 8260D	1	06/19/2024 17:11	TMP	A2
1,1-Dichloroethene	0.00072U	U,P1,P2,P3	mg/kg	0.0028	0.00072	SW846 8260D	1	06/19/2024 17:11	TMP	A2
1,1-Dichloropropene	0.00069U	U,P1,P2,P3	mg/kg	0.0028	0.00069	SW846 8260D	1	06/19/2024 17:11	TMP	A2
1,2,3-Trichlorobenzene	0.00069U	U,P1,P2,P3	mg/kg	0.0069	0.00069	SW846 8260D	1	06/19/2024 17:11	TMP	A2
1,2,3-Trichloropropane	0.00069U	U,P1,P2,P3	mg/kg	0.0028	0.00069	SW846 8260D	1	06/19/2024 17:11	TMP	A2
1,2,4-Trichlorobenzene	0.00069U	U,P1,P2,P3	mg/kg	0.0069	0.00069	SW846 8260D	1	06/19/2024 17:11	TMP	A2
1,2,4-Trimethylbenzene	0.00070J	J,P1,P2,P3	mg/kg	0.0028	0.00069	SW846 8260D	1	06/19/2024 17:11	TMP	A2
1,2-Dibromo-3-chloropropane	0.00034U	U,P1,P2,P3	mg/kg	0.0028	0.00034	SW846 8260D	1	06/19/2024 17:11	TMP	A2
1,2-Dibromoethane	0.00074U	U,P1,P2,P3	mg/kg	0.0028	0.00074	SW846 8260D	1	06/19/2024 17:11	TMP	A2
1,2-Dichlorobenzene	0.00069U	U,P1,P2,P3	mg/kg	0.0028	0.00069	SW846 8260D	1	06/19/2024 17:11	TMP	A2
1,2-Dichloroethane	0.00069U	U,P1,P2,P3	mg/kg	0.0028	0.00069	SW846 8260D	1	06/19/2024 17:11	TMP	A2
1,2-Dichloropropane	0.00083U	U,P1,P2,P3	mg/kg	0.0028	0.00083	SW846 8260D	1	06/19/2024 17:11	TMP	A2
1,3,5-Trimethylbenzene	0.00069U	U,P1,P2,P3	mg/kg	0.0028	0.00069	SW846 8260D	1	06/19/2024 17:11	TMP	A2
1,3-Dichlorobenzene	0.00069U	U,P1,P2,P3	mg/kg	0.0028	0.00069	SW846 8260D	1	06/19/2024 17:11	TMP	A2
1,3-Dichloropropane	0.0011U	U,P1,P2,P3	mg/kg	0.0028	0.0011	SW846 8260D	1	06/19/2024 17:11	TMP	A2
1,4-Dichlorobenzene	0.00069U	U,P1,P2,P3	mg/kg	0.0028	0.00069	SW846 8260D	1	06/19/2024 17:11	TMP	A2
2,2-Dichloropropane	0.00069U	U,P1,P2,P3	mg/kg	0.0028	0.00069	SW846 8260D	1	06/19/2024 17:11	TMP	A2
2-Butanone	0.0058J	J,P1,P2,P3	mg/kg	0.014	0.0044	SW846 8260D	1	06/19/2024 17:11	TMP	A2
2-Hexanone	0.0039U	U,P1,P2,P3	mg/kg	0.014	0.0039	SW846 8260D	1	06/19/2024 17:11	TMP	A2
4-Methyl-2-Pentanone(MIBK)	0.0052U	U,P1,P2,P3	mg/kg	0.014	0.0052	SW846 8260D	1	06/19/2024 17:11	TMP	A2
Acetone	0.053	P1,P2,P3	mg/kg	0.014	0.0063	SW846 8260D	1	06/19/2024 17:11	TMP	A2
Benzene	0.00069U	U,P1,P2,P3	mg/kg	0.0028	0.00069	SW846 8260D	1	06/19/2024 17:11	TMP	A2
Bromobenzene	0.00069U	U,P1,P2,P3	mg/kg	0.0028	0.00069	SW846 8260D	1	06/19/2024 17:11	TMP	A2
Bromochloromethane	0.00069U	U,P1,P2,P3	mg/kg	0.0028	0.00069	SW846 8260D	1	06/19/2024 17:11	TMP	A2
Bromodichloromethane	0.00098U	U,P1,P2,P3	mg/kg	0.0028	0.00098	SW846 8260D	1	06/19/2024 17:11	TMP	A2
Bromoform	0.00072U	U,P1,P2,P3	mg/kg	0.0028	0.00072	SW846 8260D	1	06/19/2024 17:11	TMP	A2
Bromomethane	0.00072U	U,2,3,4,P1,P2,P3	mg/kg	0.0028	0.00072	SW846 8260D	1	06/19/2024 17:11	TMP	A2
Carbon Disulfide	0.0014J	J,P1,P2,P3	mg/kg	0.0028	0.00087	SW846 8260D	1	06/19/2024 17:11	TMP	A2
Carbon Tetrachloride	0.00070U	U,P1,P2,P3	mg/kg	0.0028	0.00070	SW846 8260D	1	06/19/2024 17:11	TMP	A2
Chlorobenzene	0.00070U	U,P1,P2,P3	mg/kg	0.0028	0.00070	SW846 8260D	1	06/19/2024 17:11	TMP	A2
Chlorodibromomethane	0.00094U	U,P1,P2,P3	mg/kg	0.0028	0.00094	SW846 8260D	1	06/19/2024 17:11	TMP	A2
Chloroethane	0.0012U	U,P1,P2,P3	mg/kg	0.0069	0.0012	SW846 8260D	1	06/19/2024 17:11	TMP	A2

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**Results**

Client Sample ID	SB-25 (6-8)	Collected	06/05/2024 13:40
Lab Sample ID	3363931023	Lab Receipt	06/11/2024 15:50

**VOLATILE ORGANICS (cont.)**

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Chloroform	0.00073U	U,P1,P2,P3	mg/kg	0.0028	0.00073	SW846 8260D	1	06/19/2024 17:11	TMP	A2
Chloromethane	0.00076U	U,P1,P2,P3	mg/kg	0.0028	0.00076	SW846 8260D	1	06/19/2024 17:11	TMP	A2
cis-1,2-Dichloroethene	0.00069U	U,P1,P2,P3	mg/kg	0.0028	0.00069	SW846 8260D	1	06/19/2024 17:11	TMP	A2
cis-1,3-Dichloropropene	0.00076U	U,P1,P2,P3	mg/kg	0.0028	0.00076	SW846 8260D	1	06/19/2024 17:11	TMP	A2
Dibromomethane	0.00099U	U,P1,P2,P3	mg/kg	0.0028	0.00099	SW846 8260D	1	06/19/2024 17:11	TMP	A2
Dichlorodifluoromethane	0.00092U	U,P1,P2,P3	mg/kg	0.0028	0.00092	SW846 8260D	1	06/19/2024 17:11	TMP	A2
Ethylbenzene	0.00094U	U,P1,P2,P3	mg/kg	0.0028	0.00094	SW846 8260D	1	06/19/2024 17:11	TMP	A2
Freon 113	0.00069U	U,5,7,P1,P2,P3	mg/kg	0.0028	0.00069	SW846 8260D	1	06/19/2024 17:11	TMP	A2
Hexachlorobutadiene	0.00069U	U,P1,P2,P3	mg/kg	0.0069	0.00069	SW846 8260D	1	06/19/2024 17:11	TMP	A2
Isopropylbenzene	0.00084U	U,P1,P2,P3	mg/kg	0.0028	0.00084	SW846 8260D	1	06/19/2024 17:11	TMP	A2
Methyl t-Butyl Ether	0.00069U	U,P1,P2,P3	mg/kg	0.0028	0.00069	SW846 8260D	1	06/19/2024 17:11	TMP	A2
Methylene Chloride	0.0039	P1,P2,P3	mg/kg	0.0028	0.0011	SW846 8260D	1	06/19/2024 17:11	TMP	A2
mp-Xylene	0.0011U	U,P1,P2,P3	mg/kg	0.0055	0.0011	SW846 8260D	1	06/19/2024 17:11	TMP	A2
Naphthalene	0.00069U	U,P1,P2,P3	mg/kg	0.0028	0.00069	SW846 8260D	1	06/19/2024 17:11	TMP	A2
n-Butylbenzene	0.00069U	U,P1,P2,P3	mg/kg	0.0028	0.00069	SW846 8260D	1	06/19/2024 17:11	TMP	A2
n-Propylbenzene	0.00069U	U,P1,P2,P3	mg/kg	0.0028	0.00069	SW846 8260D	1	06/19/2024 17:11	TMP	A2
o-Chlorotoluene	0.00069U	U,P1,P2,P3	mg/kg	0.0028	0.00069	SW846 8260D	1	06/19/2024 17:11	TMP	A2
o-Xylene	0.00080U	U,P1,P2,P3	mg/kg	0.0028	0.00080	SW846 8260D	1	06/19/2024 17:11	TMP	A2
p-Chlorotoluene	0.00069U	U,P1,P2,P3	mg/kg	0.0028	0.00069	SW846 8260D	1	06/19/2024 17:11	TMP	A2
p-Isopropyltoluene	0.00069U	U,P1,P2,P3	mg/kg	0.0028	0.00069	SW846 8260D	1	06/19/2024 17:11	TMP	A2
sec-Butylbenzene	0.00069U	U,P1,P2,P3	mg/kg	0.0028	0.00069	SW846 8260D	1	06/19/2024 17:11	TMP	A2
Styrene	0.00069U	U,P1,P2,P3	mg/kg	0.0028	0.00069	SW846 8260D	1	06/19/2024 17:11	TMP	A2
tert-Butylbenzene	0.00076U	U,P1,P2,P3	mg/kg	0.0028	0.00076	SW846 8260D	1	06/19/2024 17:11	TMP	A2
Tetrachloroethene	0.00083U	U,8,P1,P2,P3	mg/kg	0.0028	0.00083	SW846 8260D	1	06/19/2024 17:11	TMP	A2
Toluene	0.00092U	U,P1,P2,P3	mg/kg	0.0028	0.00092	SW846 8260D	1	06/19/2024 17:11	TMP	A2
Total Xylenes	0.0019U	U,P1,P2,P3	mg/kg	0.0083	0.0019	SW846 8260D	1	06/19/2024 17:11	TMP	A2
trans-1,2-Dichloroethene	0.00072U	U,P1,P2,P3	mg/kg	0.0028	0.00072	SW846 8260D	1	06/19/2024 17:11	TMP	A2
trans-1,3-Dichloropropene	0.00080U	U,P1,P2,P3	mg/kg	0.0028	0.00080	SW846 8260D	1	06/19/2024 17:11	TMP	A2
Trichloroethene	0.00069U	U,P1,P2,P3	mg/kg	0.0028	0.00069	SW846 8260D	1	06/19/2024 17:11	TMP	A2
Trichlorofluoromethane	0.00069U	U,P1,P2,P3	mg/kg	0.0028	0.00069	SW846 8260D	1	06/19/2024 17:11	TMP	A2
Vinyl Chloride	0.00069U	U,P1,P2,P3	mg/kg	0.0028	0.00069	SW846 8260D	1	06/19/2024 17:11	TMP	A2

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## Results

Client Sample ID	SB-25 (6-8)	Collected	06/05/2024 13:40
Lab Sample ID	3363931023	Lab Receipt	06/11/2024 15:50

### VOLATILE ORGANICS (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
<i>SURROGATES</i>										
Compound	CAS No			Recovery		Limits(%)		Analysis Date/Time		Qualifiers
1,2-Dichloroethane-d4	17060-07-0			116 %		56 – 124		06/19/2024 17:11		
4-Bromofluorobenzene	460-00-4			94.9 %		51 – 128		06/19/2024 17:11		
Dibromofluoromethane	1868-53-7			100 %		62 – 123		06/19/2024 17:11		
Toluene-d8	2037-26-5			94.2 %		59 – 131		06/19/2024 17:11		

### WET CHEMISTRY

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Moisture	23.0	P1,P2,P3	%	0.1	0.01	S2540G-11	1	06/13/2024 17:05	E1R	A
Total Solids	77.0	31,P1,P2,P3	%	0.1	0.01	S2540G-11	1	06/13/2024 17:05	E1R	A

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## Results

Client Sample ID	SB-26 (4-6)	Collected	06/05/2024 14:00
Lab Sample ID	3363931024	Lab Receipt	06/11/2024 15:50

### GASOLINE RANGE ORGANICS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Gasoline Range Organics	9.9J	J,P1,P2,P3	mg/kg	12.2	2.1	SW846 8015D	100	06/19/2024 05:24	JTH	A1

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
a,a,a-Trifluorotoluene	98-08-8	89%	72 - 134	06/19/2024 05:24	

### PETROLEUM HC's

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Diesel Range Organics C10-C28	9.6J	J,P1,P2,P3	mg/kg	12.4	3.4	SW846 8015D	1	06/21/2024 12:24	AJW	A

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
o-Terphenyl	84-15-1	83.3%	36 - 122	06/21/2024 12:24	

### SEMIVOLATILE SIM

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,4-Dioxane	0.0027U	U,P1,P2,P3	mg/kg	0.0053	0.0027	SW846 8270E SIM	1	06/22/2024 03:43	M1O	A
1-Methylnaphthalene	0.0069	P1,P2,P3	mg/kg	0.0053	0.00096	SW846 8270E SIM	1	06/22/2024 03:43	M1O	A
2-Methylnaphthalene	0.0059	P1,P2,P3	mg/kg	0.0053	0.0014	SW846 8270E SIM	1	06/22/2024 03:43	M1O	A
Acenaphthene	0.00096U	U,P1,P2,P3	mg/kg	0.0053	0.00096	SW846 8270E SIM	1	06/22/2024 03:43	M1O	A
Acenaphthylene	0.00096U	U,P1,P2,P3	mg/kg	0.0053	0.00096	SW846 8270E SIM	1	06/22/2024 03:43	M1O	A
Anthracene	0.00085U	U,P1,P2,P3	mg/kg	0.0053	0.00085	SW846 8270E SIM	1	06/22/2024 03:43	M1O	A
Benzo(a)anthracene	0.00085U	U,P1,P2,P3	mg/kg	0.0053	0.00085	SW846 8270E SIM	1	06/22/2024 03:43	M1O	A
Benzo(a)pyrene	0.00085U	U,P1,P2,P3	mg/kg	0.0053	0.00085	SW846 8270E SIM	1	06/22/2024 03:43	M1O	A
Benzo(b)fluoranthene	0.00085U	U,P1,P2,P3	mg/kg	0.0053	0.00085	SW846 8270E SIM	1	06/22/2024 03:43	M1O	A
Benzo(g,h,i)perylene	0.0011U	U,P1,P2,P3	mg/kg	0.0053	0.0011	SW846 8270E SIM	1	06/22/2024 03:43	M1O	A
Benzo(k)fluoranthene	0.00096U	U,P1,P2,P3	mg/kg	0.0053	0.00096	SW846 8270E SIM	1	06/22/2024 03:43	M1O	A
Chrysene	0.00096U	U,P1,P2,P3	mg/kg	0.0053	0.00096	SW846 8270E SIM	1	06/22/2024 03:43	M1O	A
Dibenzo(a,h)anthracene	0.00074U	U,P1,P2,P3	mg/kg	0.0053	0.00074	SW846 8270E SIM	1	06/22/2024 03:43	M1O	A
Fluoranthene	0.00096U	U,P1,P2,P3	mg/kg	0.0053	0.00096	SW846 8270E SIM	1	06/22/2024 03:43	M1O	A
Fluorene	0.0022J	J,P1,P2,P3	mg/kg	0.0053	0.0011	SW846 8270E SIM	1	06/22/2024 03:43	M1O	A
Indeno(1,2,3-cd)pyrene	0.00085U	U,P1,P2,P3	mg/kg	0.0053	0.00085	SW846 8270E SIM	1	06/22/2024 03:43	M1O	A
Naphthalene	0.0012U	U,P1,P2,P3	mg/kg	0.0053	0.0012	SW846 8270E SIM	1	06/22/2024 03:43	M1O	A
Phenanthrene	0.0036J	J,P1,P2,P3	mg/kg	0.0053	0.0012	SW846 8270E SIM	1	06/22/2024 03:43	M1O	A



## Results

Client Sample ID	SB-26 (4-6)	Collected	06/05/2024 14:00
Lab Sample ID	3363931024	Lab Receipt	06/11/2024 15:50

### SEMIVOLATILE SIM (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Pyrene	0.00085U	U,P1,P2 ,P3	mg/kg	0.0053	0.00085	SW846 8270E SIM	1	06/22/2024 03:43	M1O	A

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
2-Methylnaphthalene-d10	7297-45-2	78.2%	50 - 150	06/22/2024 03:43	
Fluoranthene-d10	93951-69-0	81.9%	50 - 150	06/22/2024 03:43	

### SEMIVOLATILES

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1-Methylnaphthalene	0.018U	U,P1,P2 ,P3	mg/kg	0.11	0.018	SW846 8270E	1	06/21/2024 08:16	M1O	A
2-Methylnaphthalene	0.018U	U,P1,P2 ,P3	mg/kg	0.11	0.018	SW846 8270E	1	06/21/2024 08:16	M1O	A
Acenaphthene	0.018U	U,P1,P2 ,P3	mg/kg	0.053	0.018	SW846 8270E	1	06/21/2024 08:16	M1O	A
Acenaphthylene	0.018U	U,P1,P2 ,P3	mg/kg	0.053	0.018	SW846 8270E	1	06/21/2024 08:16	M1O	A
Anthracene	0.018U	U,P1,P2 ,P3	mg/kg	0.053	0.018	SW846 8270E	1	06/21/2024 08:16	M1O	A
Benzo(a)anthracene	0.018U	U,P1,P2 ,P3	mg/kg	0.053	0.018	SW846 8270E	1	06/21/2024 08:16	M1O	A
Benzo(a)pyrene	0.018U	U,P1,P2 ,P3	mg/kg	0.053	0.018	SW846 8270E	1	06/21/2024 08:16	M1O	A
Benzo(b)fluoranthene	0.018U	U,P1,P2 ,P3	mg/kg	0.053	0.018	SW846 8270E	1	06/21/2024 08:16	M1O	A
Benzo(g,h,i)perylene	0.018U	U,P1,P2 ,P3	mg/kg	0.053	0.018	SW846 8270E	1	06/21/2024 08:16	M1O	A
Benzo(k)fluoranthene	0.018U	U,P1,P2 ,P3	mg/kg	0.053	0.018	SW846 8270E	1	06/21/2024 08:16	M1O	A
Carbazole	0.018U	U,P1,P2 ,P3	mg/kg	0.11	0.018	SW846 8270E	1	06/21/2024 08:16	M1O	A
Chrysene	0.018U	U,P1,P2 ,P3	mg/kg	0.053	0.018	SW846 8270E	1	06/21/2024 08:16	M1O	A
Dibenzo(a,h)anthracene	0.018U	U,P1,P2 ,P3	mg/kg	0.053	0.018	SW846 8270E	1	06/21/2024 08:16	M1O	A
Dibenzofuran	0.018U	U,P1,P2 ,P3	mg/kg	0.11	0.018	SW846 8270E	1	06/21/2024 08:16	M1O	A
Fluoranthene	0.018U	U,P1,P2 ,P3	mg/kg	0.053	0.018	SW846 8270E	1	06/21/2024 08:16	M1O	A
Fluorene	0.018U	U,P1,P2 ,P3	mg/kg	0.053	0.018	SW846 8270E	1	06/21/2024 08:16	M1O	A
Indeno(1,2,3-cd)pyrene	0.018U	U,P1,P2 ,P3	mg/kg	0.053	0.018	SW846 8270E	1	06/21/2024 08:16	M1O	A
Naphthalene	0.018U	U,P1,P2 ,P3	mg/kg	0.053	0.018	SW846 8270E	1	06/21/2024 08:16	M1O	A
Phenanthrene	0.018U	U,P1,P2 ,P3	mg/kg	0.053	0.018	SW846 8270E	1	06/21/2024 08:16	M1O	A
Pyrene	0.018U	U,P1,P2 ,P3	mg/kg	0.053	0.018	SW846 8270E	1	06/21/2024 08:16	M1O	A

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
2-Fluorobiphenyl	321-60-8	65.5%	40 - 110	06/21/2024 08:16	
2-Fluorophenol	367-12-4	62.7%	26 - 116	06/21/2024 08:16	
Nitrobenzene-d5	4165-60-0	64.1%	38 - 112	06/21/2024 08:16	
Phenol-d5	4165-62-2	67.4%	35 - 111	06/21/2024 08:16	
Terphenyl-d14	98904-43-9	82.3%	45 - 126	06/21/2024 08:16	



**Results**

Client Sample ID SB-26 (4-6) Collected 06/05/2024 14:00  
 Lab Sample ID 3363931024 Lab Receipt 06/11/2024 15:50

**VOLATILE ORGANICS**

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1-Trichloroethane	0.00070U	U,P1,P2,P3	mg/kg	0.0023	0.00070	SW846 8260D	1	06/19/2024 18:28	TMP	A2
1,1,2,2-Tetrachloroethane	0.00064U	U,P1,P2,P3	mg/kg	0.0023	0.00064	SW846 8260D	1	06/19/2024 18:28	TMP	A2
1,1,2-Trichloroethane	0.00064U	U,P1,P2,P3	mg/kg	0.0023	0.00064	SW846 8260D	1	06/19/2024 18:28	TMP	A2
1,1-Dichloroethane	0.00057U	U,P1,P2,P3	mg/kg	0.0023	0.00057	SW846 8260D	1	06/19/2024 18:28	TMP	A2
1,1-Dichloroethene	0.00059U	U,P1,P2,P3	mg/kg	0.0023	0.00059	SW846 8260D	1	06/19/2024 18:28	TMP	A2
1,1-Dichloropropene	0.00057U	U,P1,P2,P3	mg/kg	0.0023	0.00057	SW846 8260D	1	06/19/2024 18:28	TMP	A2
1,2,3-Trichlorobenzene	0.00057U	U,P1,P2,P3	mg/kg	0.0057	0.00057	SW846 8260D	1	06/19/2024 18:28	TMP	A2
1,2,3-Trichloropropane	0.00057U	U,P1,P2,P3	mg/kg	0.0023	0.00057	SW846 8260D	1	06/19/2024 18:28	TMP	A2
1,2,4-Trichlorobenzene	0.00057U	U,P1,P2,P3	mg/kg	0.0057	0.00057	SW846 8260D	1	06/19/2024 18:28	TMP	A2
1,2,4-Trimethylbenzene	0.00057U	U,P1,P2,P3	mg/kg	0.0023	0.00057	SW846 8260D	1	06/19/2024 18:28	TMP	A2
1,2-Dibromo-3-chloropropane	0.00028U	U,P1,P2,P3	mg/kg	0.0023	0.00028	SW846 8260D	1	06/19/2024 18:28	TMP	A2
1,2-Dibromoethane	0.00061U	U,P1,P2,P3	mg/kg	0.0023	0.00061	SW846 8260D	1	06/19/2024 18:28	TMP	A2
1,2-Dichlorobenzene	0.00057U	U,P1,P2,P3	mg/kg	0.0023	0.00057	SW846 8260D	1	06/19/2024 18:28	TMP	A2
1,2-Dichloroethane	0.00057U	U,P1,P2,P3	mg/kg	0.0023	0.00057	SW846 8260D	1	06/19/2024 18:28	TMP	A2
1,2-Dichloropropane	0.00068U	U,P1,P2,P3	mg/kg	0.0023	0.00068	SW846 8260D	1	06/19/2024 18:28	TMP	A2
1,3,5-Trimethylbenzene	0.00057U	U,P1,P2,P3	mg/kg	0.0023	0.00057	SW846 8260D	1	06/19/2024 18:28	TMP	A2
1,3-Dichlorobenzene	0.00057U	U,P1,P2,P3	mg/kg	0.0023	0.00057	SW846 8260D	1	06/19/2024 18:28	TMP	A2
1,3-Dichloropropane	0.00094U	U,P1,P2,P3	mg/kg	0.0023	0.00094	SW846 8260D	1	06/19/2024 18:28	TMP	A2
1,4-Dichlorobenzene	0.00057U	U,P1,P2,P3	mg/kg	0.0023	0.00057	SW846 8260D	1	06/19/2024 18:28	TMP	A2
2,2-Dichloropropane	0.00057U	U,P1,P2,P3	mg/kg	0.0023	0.00057	SW846 8260D	1	06/19/2024 18:28	TMP	A2
2-Butanone	0.0036U	U,P1,P2,P3	mg/kg	0.011	0.0036	SW846 8260D	1	06/19/2024 18:28	TMP	A2
2-Hexanone	0.0032U	U,P1,P2,P3	mg/kg	0.011	0.0032	SW846 8260D	1	06/19/2024 18:28	TMP	A2
4-Methyl-2-Pentanone(MIBK)	0.0043U	U,P1,P2,P3	mg/kg	0.011	0.0043	SW846 8260D	1	06/19/2024 18:28	TMP	A2
Acetone	0.063	P1,P2,P3	mg/kg	0.011	0.0052	SW846 8260D	1	06/19/2024 18:28	TMP	A2
Benzene	0.00057U	U,P1,P2,P3	mg/kg	0.0023	0.00057	SW846 8260D	1	06/19/2024 18:28	TMP	A2
Bromobenzene	0.00057U	U,P1,P2,P3	mg/kg	0.0023	0.00057	SW846 8260D	1	06/19/2024 18:28	TMP	A2
Bromochloromethane	0.00057U	U,P1,P2,P3	mg/kg	0.0023	0.00057	SW846 8260D	1	06/19/2024 18:28	TMP	A2
Bromodichloromethane	0.00081U	U,P1,P2,P3	mg/kg	0.0023	0.00081	SW846 8260D	1	06/19/2024 18:28	TMP	A2
Bromoform	0.00059U	U,P1,P2,P3	mg/kg	0.0023	0.00059	SW846 8260D	1	06/19/2024 18:28	TMP	A2
Bromomethane	0.00059U	U,2,3,4,P1,P2,P3	mg/kg	0.0023	0.00059	SW846 8260D	1	06/19/2024 18:28	TMP	A2
Carbon Disulfide	0.00072U	U,P1,P2,P3	mg/kg	0.0023	0.00072	SW846 8260D	1	06/19/2024 18:28	TMP	A2
Carbon Tetrachloride	0.00058U	U,P1,P2,P3	mg/kg	0.0023	0.00058	SW846 8260D	1	06/19/2024 18:28	TMP	A2
Chlorobenzene	0.00058U	U,P1,P2,P3	mg/kg	0.0023	0.00058	SW846 8260D	1	06/19/2024 18:28	TMP	A2
Chlorodibromomethane	0.00077U	U,P1,P2,P3	mg/kg	0.0023	0.00077	SW846 8260D	1	06/19/2024 18:28	TMP	A2
Chloroethane	0.00097U	U,P1,P2,P3	mg/kg	0.0057	0.00097	SW846 8260D	1	06/19/2024 18:28	TMP	A2

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**Results**

Client Sample ID	SB-26 (4-6)	Collected	06/05/2024 14:00
Lab Sample ID	3363931024	Lab Receipt	06/11/2024 15:50

**VOLATILE ORGANICS (cont.)**

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Chloroform	0.00060U	U,P1,P2,P3	mg/kg	0.0023	0.00060	SW846 8260D	1	06/19/2024 18:28	TMP	A2
Chloromethane	0.00063U	U,P1,P2,P3	mg/kg	0.0023	0.00063	SW846 8260D	1	06/19/2024 18:28	TMP	A2
cis-1,2-Dichloroethene	0.00057U	U,P1,P2,P3	mg/kg	0.0023	0.00057	SW846 8260D	1	06/19/2024 18:28	TMP	A2
cis-1,3-Dichloropropene	0.00063U	U,P1,P2,P3	mg/kg	0.0023	0.00063	SW846 8260D	1	06/19/2024 18:28	TMP	A2
Dibromomethane	0.00082U	U,P1,P2,P3	mg/kg	0.0023	0.00082	SW846 8260D	1	06/19/2024 18:28	TMP	A2
Dichlorodifluoromethane	0.00076U	U,P1,P2,P3	mg/kg	0.0023	0.00076	SW846 8260D	1	06/19/2024 18:28	TMP	A2
Ethylbenzene	0.00077U	U,P1,P2,P3	mg/kg	0.0023	0.00077	SW846 8260D	1	06/19/2024 18:28	TMP	A2
Freon 113	0.00057U	U,5,7,P1,P2,P3	mg/kg	0.0023	0.00057	SW846 8260D	1	06/19/2024 18:28	TMP	A2
Hexachlorobutadiene	0.00057U	U,P1,P2,P3	mg/kg	0.0057	0.00057	SW846 8260D	1	06/19/2024 18:28	TMP	A2
Isopropylbenzene	0.00069U	U,P1,P2,P3	mg/kg	0.0023	0.00069	SW846 8260D	1	06/19/2024 18:28	TMP	A2
Methyl t-Butyl Ether	0.00057U	U,P1,P2,P3	mg/kg	0.0023	0.00057	SW846 8260D	1	06/19/2024 18:28	TMP	A2
Methylene Chloride	0.0018J	J,P1,P2,P3	mg/kg	0.0023	0.00089	SW846 8260D	1	06/19/2024 18:28	TMP	A2
mp-Xylene	0.00094U	U,P1,P2,P3	mg/kg	0.0045	0.00094	SW846 8260D	1	06/19/2024 18:28	TMP	A2
Naphthalene	0.00057U	U,P1,P2,P3	mg/kg	0.0023	0.00057	SW846 8260D	1	06/19/2024 18:28	TMP	A2
n-Butylbenzene	0.00057U	U,P1,P2,P3	mg/kg	0.0023	0.00057	SW846 8260D	1	06/19/2024 18:28	TMP	A2
n-Propylbenzene	0.00057U	U,P1,P2,P3	mg/kg	0.0023	0.00057	SW846 8260D	1	06/19/2024 18:28	TMP	A2
o-Chlorotoluene	0.00057U	U,P1,P2,P3	mg/kg	0.0023	0.00057	SW846 8260D	1	06/19/2024 18:28	TMP	A2
o-Xylene	0.00066U	U,P1,P2,P3	mg/kg	0.0023	0.00066	SW846 8260D	1	06/19/2024 18:28	TMP	A2
p-Chlorotoluene	0.00057U	U,P1,P2,P3	mg/kg	0.0023	0.00057	SW846 8260D	1	06/19/2024 18:28	TMP	A2
p-Isopropyltoluene	0.00057U	U,P1,P2,P3	mg/kg	0.0023	0.00057	SW846 8260D	1	06/19/2024 18:28	TMP	A2
sec-Butylbenzene	0.0066	P1,P2,P3	mg/kg	0.0023	0.00057	SW846 8260D	1	06/19/2024 18:28	TMP	A2
Styrene	0.00057U	U,P1,P2,P3	mg/kg	0.0023	0.00057	SW846 8260D	1	06/19/2024 18:28	TMP	A2
tert-Butylbenzene	0.0011J	J,P1,P2,P3	mg/kg	0.0023	0.00063	SW846 8260D	1	06/19/2024 18:28	TMP	A2
Tetrachloroethene	0.00068U	U,8,P1,P2,P3	mg/kg	0.0023	0.00068	SW846 8260D	1	06/19/2024 18:28	TMP	A2
Toluene	0.00076U	U,P1,P2,P3	mg/kg	0.0023	0.00076	SW846 8260D	1	06/19/2024 18:28	TMP	A2
Total Xylenes	0.0016U	U,P1,P2,P3	mg/kg	0.0068	0.0016	SW846 8260D	1	06/19/2024 18:28	TMP	A2
trans-1,2-Dichloroethene	0.00059U	U,P1,P2,P3	mg/kg	0.0023	0.00059	SW846 8260D	1	06/19/2024 18:28	TMP	A2
trans-1,3-Dichloropropene	0.00066U	U,P1,P2,P3	mg/kg	0.0023	0.00066	SW846 8260D	1	06/19/2024 18:28	TMP	A2
Trichloroethene	0.00057U	U,P1,P2,P3	mg/kg	0.0023	0.00057	SW846 8260D	1	06/19/2024 18:28	TMP	A2
Trichlorofluoromethane	0.00057U	U,P1,P2,P3	mg/kg	0.0023	0.00057	SW846 8260D	1	06/19/2024 18:28	TMP	A2
Vinyl Chloride	0.00057U	U,P1,P2,P3	mg/kg	0.0023	0.00057	SW846 8260D	1	06/19/2024 18:28	TMP	A2

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## Results

Client Sample ID	SB-26 (4-6)	Collected	06/05/2024 14:00
Lab Sample ID	3363931024	Lab Receipt	06/11/2024 15:50

### VOLATILE ORGANICS (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
<i>SURROGATES</i>										
Compound	CAS No			Recovery		Limits(%)		Analysis Date/Time	Qualifiers	
1,2-Dichloroethane-d4	17060-07-0			118%		56 – 124		06/19/2024 18:28		
4-Bromofluorobenzene	460-00-4			96.1%		51 – 128		06/19/2024 18:28		
Dibromofluoromethane	1868-53-7			101%		62 – 123		06/19/2024 18:28		
Toluene-d8	2037-26-5			92.4%		59 – 131		06/19/2024 18:28		

### WET CHEMISTRY

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Moisture	16.1	P1,P2,P3	%	0.1	0.01	S2540G-11	1	06/13/2024 17:05	E1R	A
Total Solids	83.9	31,P1,P2,P3	%	0.1	0.01	S2540G-11	1	06/13/2024 17:05	E1R	A

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## Results

Client Sample ID	SB-26 (8-10)	Collected	06/05/2024 14:00
Lab Sample ID	3363931025	Lab Receipt	06/11/2024 15:50

### GASOLINE RANGE ORGANICS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Gasoline Range Organics	1.9U	U,P1,P2,P3	mg/kg	11.0	1.9	SW846 8015D	100	06/20/2024 11:21	JTH	A1

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
a,a,a-Trifluorotoluene	98-08-8	79.5%	72 - 134	06/20/2024 11:21	

### PETROLEUM HC's

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Diesel Range Organics C10-C28	20.0	P1,P2,P3	mg/kg	12.3	3.4	SW846 8015D	1	06/21/2024 12:56	AJW	A

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
o-Terphenyl	84-15-1	83.2%	36 - 122	06/21/2024 12:56	

### SEMIVOLATILE SIM

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,4-Dioxane	0.0029U	U,P1,P2,P3	mg/kg	0.0058	0.0029	SW846 8270E SIM	1	06/22/2024 04:11	M1O	B
1-Methylnaphthalene	0.11	35,P1,P2,P3	mg/kg	0.0058	0.0010	SW846 8270E SIM	1	06/22/2024 04:11	M1O	B
2-Methylnaphthalene	0.10	P1,P2,P3	mg/kg	0.0058	0.0015	SW846 8270E SIM	1	06/22/2024 04:11	M1O	B
Acenaphthene	0.0010U	U,P1,P2,P3	mg/kg	0.0058	0.0010	SW846 8270E SIM	1	06/22/2024 04:11	M1O	B
Acenaphthylene	0.0010U	U,P1,P2,P3	mg/kg	0.0058	0.0010	SW846 8270E SIM	1	06/22/2024 04:11	M1O	B
Anthracene	0.00093U	U,P1,P2,P3	mg/kg	0.0058	0.00093	SW846 8270E SIM	1	06/22/2024 04:11	M1O	B
Benzo(a)anthracene	0.014	P1,P2,P3	mg/kg	0.0058	0.00093	SW846 8270E SIM	1	06/22/2024 04:11	M1O	B
Benzo(a)pyrene	0.012	P1,P2,P3	mg/kg	0.0058	0.00093	SW846 8270E SIM	1	06/22/2024 04:11	M1O	B
Benzo(b)fluoranthene	0.025	P1,P2,P3	mg/kg	0.0058	0.00093	SW846 8270E SIM	1	06/22/2024 04:11	M1O	B
Benzo(g,h,i)perylene	0.042	P1,P2,P3	mg/kg	0.0058	0.0012	SW846 8270E SIM	1	06/22/2024 04:11	M1O	B
Benzo(k)fluoranthene	0.012	P1,P2,P3	mg/kg	0.0058	0.0010	SW846 8270E SIM	1	06/22/2024 04:11	M1O	B
Chrysene	0.036	P1,P2,P3	mg/kg	0.0058	0.0010	SW846 8270E SIM	1	06/22/2024 04:11	M1O	B
Dibenzo(a,h)anthracene	0.0069	P1,P2,P3	mg/kg	0.0058	0.00082	SW846 8270E SIM	1	06/22/2024 04:11	M1O	B
Fluoranthene	0.046	34,P1,P2,P3	mg/kg	0.0058	0.0010	SW846 8270E SIM	1	06/22/2024 04:11	M1O	B
Fluorene	0.0026J	J,P1,P2,P3	mg/kg	0.0058	0.0012	SW846 8270E SIM	1	06/22/2024 04:11	M1O	B
Indeno(1,2,3-cd)pyrene	0.011	P1,P2,P3	mg/kg	0.0058	0.00093	SW846 8270E SIM	1	06/22/2024 04:11	M1O	B
Naphthalene	0.040	P1,P2,P3	mg/kg	0.0058	0.0013	SW846 8270E SIM	1	06/22/2024 04:11	M1O	B
Phenanthrene	0.10	P1,P2,P3	mg/kg	0.0058	0.0013	SW846 8270E SIM	1	06/22/2024 04:11	M1O	B



## Results

Client Sample ID	SB-26 (8-10)	Collected	06/05/2024 14:00
Lab Sample ID	3363931025	Lab Receipt	06/11/2024 15:50

### SEMIVOLATILE SIM (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Pyrene	0.062	36,P1,P2,P3	mg/kg	0.0058	0.00093	SW846 8270E SIM	1	06/22/2024 04:11	M1O	B

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
2-Methylnaphthalene-d10	7297-45-2	76.5%	50 - 150	06/22/2024 04:11	
Fluoranthene-d10	93951-69-0	82.1%	50 - 150	06/22/2024 04:11	

### SEMIVOLATILES

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1-Methylnaphthalene	0.11J	J,P1,P2,P3	mg/kg	0.12	0.020	SW846 8270E	1	06/21/2024 08:42	M1O	B
2-Methylnaphthalene	0.096J	J,P1,P2,P3	mg/kg	0.12	0.020	SW846 8270E	1	06/21/2024 08:42	M1O	B
Acenaphthene	0.020U	U,P1,P2,P3	mg/kg	0.058	0.020	SW846 8270E	1	06/21/2024 08:42	M1O	B
Acenaphthylene	0.020U	U,P1,P2,P3	mg/kg	0.058	0.020	SW846 8270E	1	06/21/2024 08:42	M1O	B
Anthracene	0.020U	U,P1,P2,P3	mg/kg	0.058	0.020	SW846 8270E	1	06/21/2024 08:42	M1O	B
Benzo(a)anthracene	0.020U	U,P1,P2,P3	mg/kg	0.058	0.020	SW846 8270E	1	06/21/2024 08:42	M1O	B
Benzo(a)pyrene	0.020U	U,P1,P2,P3	mg/kg	0.058	0.020	SW846 8270E	1	06/21/2024 08:42	M1O	B
Benzo(b)fluoranthene	0.031J	J,P1,P2,P3	mg/kg	0.058	0.020	SW846 8270E	1	06/21/2024 08:42	M1O	B
Benzo(g,h,i)perylene	0.052J	J,P1,P2,P3	mg/kg	0.058	0.020	SW846 8270E	1	06/21/2024 08:42	M1O	B
Benzo(k)fluoranthene	0.020U	U,P1,P2,P3	mg/kg	0.058	0.020	SW846 8270E	1	06/21/2024 08:42	M1O	B
Carbazole	0.020U	U,P1,P2,P3	mg/kg	0.12	0.020	SW846 8270E	1	06/21/2024 08:42	M1O	B
Chrysene	0.041J	J,P1,P2,P3	mg/kg	0.058	0.020	SW846 8270E	1	06/21/2024 08:42	M1O	B
Dibenzo(a,h)anthracene	0.020U	U,P1,P2,P3	mg/kg	0.058	0.020	SW846 8270E	1	06/21/2024 08:42	M1O	B
Dibenzofuran	0.023J	J,P1,P2,P3	mg/kg	0.12	0.020	SW846 8270E	1	06/21/2024 08:42	M1O	B
Fluoranthene	0.047J	J,P1,P2,P3	mg/kg	0.058	0.020	SW846 8270E	1	06/21/2024 08:42	M1O	B
Fluorene	0.020U	U,P1,P2,P3	mg/kg	0.058	0.020	SW846 8270E	1	06/21/2024 08:42	M1O	B
Indeno(1,2,3-cd)pyrene	0.020U	U,P1,P2,P3	mg/kg	0.058	0.020	SW846 8270E	1	06/21/2024 08:42	M1O	B
Naphthalene	0.039J	J,P1,P2,P3	mg/kg	0.058	0.020	SW846 8270E	1	06/21/2024 08:42	M1O	B
Phenanthrene	0.11	P1,P2,P3	mg/kg	0.058	0.020	SW846 8270E	1	06/21/2024 08:42	M1O	B
Pyrene	0.063	P1,P2,P3	mg/kg	0.058	0.020	SW846 8270E	1	06/21/2024 08:42	M1O	B

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
2-Fluorobiphenyl	321-60-8	63.7%	40 - 110	06/21/2024 08:42	
2-Fluorophenol	367-12-4	62%	26 - 116	06/21/2024 08:42	
Nitrobenzene-d5	4165-60-0	64.8%	38 - 112	06/21/2024 08:42	
Phenol-d5	4165-62-2	66.4%	35 - 111	06/21/2024 08:42	
Terphenyl-d14	98904-43-9	82.7%	45 - 126	06/21/2024 08:42	





**Results**

Client Sample ID	SB-26 (8-10)	Collected	06/05/2024 14:00
Lab Sample ID	3363931025	Lab Receipt	06/11/2024 15:50

**VOLATILE ORGANICS**

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1-Trichloroethane	0.00077U	U,P1,P2,P3	mg/kg	0.0025	0.00077	SW846 8260D	1	06/19/2024 17:36	TMP	A2
1,1,2,2-Tetrachloroethane	0.00069U	U,P1,P2,P3	mg/kg	0.0025	0.00069	SW846 8260D	1	06/19/2024 17:36	TMP	A2
1,1,2-Trichloroethane	0.00069U	U,P1,P2,P3	mg/kg	0.0025	0.00069	SW846 8260D	1	06/19/2024 17:36	TMP	A2
1,1-Dichloroethane	0.00062U	U,P1,P2,P3	mg/kg	0.0025	0.00062	SW846 8260D	1	06/19/2024 17:36	TMP	A2
1,1-Dichloroethene	0.00064U	U,P1,P2,P3	mg/kg	0.0025	0.00064	SW846 8260D	1	06/19/2024 17:36	TMP	A2
1,1-Dichloropropene	0.00062U	U,P1,P2,P3	mg/kg	0.0025	0.00062	SW846 8260D	1	06/19/2024 17:36	TMP	A2
1,2,3-Trichlorobenzene	0.00062U	U,P1,P2,P3	mg/kg	0.0062	0.00062	SW846 8260D	1	06/19/2024 17:36	TMP	A2
1,2,3-Trichloropropane	0.00062U	U,P1,P2,P3	mg/kg	0.0025	0.00062	SW846 8260D	1	06/19/2024 17:36	TMP	A2
1,2,4-Trichlorobenzene	0.00062U	U,P1,P2,P3	mg/kg	0.0062	0.00062	SW846 8260D	1	06/19/2024 17:36	TMP	A2
1,2,4-Trimethylbenzene	0.00062U	U,P1,P2,P3	mg/kg	0.0025	0.00062	SW846 8260D	1	06/19/2024 17:36	TMP	A2
1,2-Dibromo-3-chloropropane	0.00031U	U,P1,P2,P3	mg/kg	0.0025	0.00031	SW846 8260D	1	06/19/2024 17:36	TMP	A2
1,2-Dibromoethane	0.00067U	U,P1,P2,P3	mg/kg	0.0025	0.00067	SW846 8260D	1	06/19/2024 17:36	TMP	A2
1,2-Dichlorobenzene	0.00062U	U,P1,P2,P3	mg/kg	0.0025	0.00062	SW846 8260D	1	06/19/2024 17:36	TMP	A2
1,2-Dichloroethane	0.00062U	U,P1,P2,P3	mg/kg	0.0025	0.00062	SW846 8260D	1	06/19/2024 17:36	TMP	A2
1,2-Dichloropropane	0.00074U	U,P1,P2,P3	mg/kg	0.0025	0.00074	SW846 8260D	1	06/19/2024 17:36	TMP	A2
1,3,5-Trimethylbenzene	0.00062U	U,P1,P2,P3	mg/kg	0.0025	0.00062	SW846 8260D	1	06/19/2024 17:36	TMP	A2
1,3-Dichlorobenzene	0.00062U	U,P1,P2,P3	mg/kg	0.0025	0.00062	SW846 8260D	1	06/19/2024 17:36	TMP	A2
1,3-Dichloropropane	0.0010U	U,P1,P2,P3	mg/kg	0.0025	0.0010	SW846 8260D	1	06/19/2024 17:36	TMP	A2
1,4-Dichlorobenzene	0.00062U	U,P1,P2,P3	mg/kg	0.0025	0.00062	SW846 8260D	1	06/19/2024 17:36	TMP	A2
2,2-Dichloropropane	0.00062U	U,P1,P2,P3	mg/kg	0.0025	0.00062	SW846 8260D	1	06/19/2024 17:36	TMP	A2
2-Butanone	0.0040U	U,P1,P2,P3	mg/kg	0.012	0.0040	SW846 8260D	1	06/19/2024 17:36	TMP	A2
2-Hexanone	0.0035U	U,P1,P2,P3	mg/kg	0.012	0.0035	SW846 8260D	1	06/19/2024 17:36	TMP	A2
4-Methyl-2-Pentanone(MIBK)	0.0047U	U,P1,P2,P3	mg/kg	0.012	0.0047	SW846 8260D	1	06/19/2024 17:36	TMP	A2
Acetone	0.021	P1,P2,P3	mg/kg	0.012	0.0057	SW846 8260D	1	06/19/2024 17:36	TMP	A2
Benzene	0.00062U	U,P1,P2,P3	mg/kg	0.0025	0.00062	SW846 8260D	1	06/19/2024 17:36	TMP	A2
Bromobenzene	0.00062U	U,P1,P2,P3	mg/kg	0.0025	0.00062	SW846 8260D	1	06/19/2024 17:36	TMP	A2
Bromochloromethane	0.00062U	U,P1,P2,P3	mg/kg	0.0025	0.00062	SW846 8260D	1	06/19/2024 17:36	TMP	A2
Bromodichloromethane	0.00088U	U,P1,P2,P3	mg/kg	0.0025	0.00088	SW846 8260D	1	06/19/2024 17:36	TMP	A2
Bromoform	0.00064U	U,P1,P2,P3	mg/kg	0.0025	0.00064	SW846 8260D	1	06/19/2024 17:36	TMP	A2
Bromomethane	0.00064U	U,2,3,4,P1,P2,P3	mg/kg	0.0025	0.00064	SW846 8260D	1	06/19/2024 17:36	TMP	A2
Carbon Disulfide	0.00078U	U,P1,P2,P3	mg/kg	0.0025	0.00078	SW846 8260D	1	06/19/2024 17:36	TMP	A2
Carbon Tetrachloride	0.00063U	U,P1,P2,P3	mg/kg	0.0025	0.00063	SW846 8260D	1	06/19/2024 17:36	TMP	A2
Chlorobenzene	0.00063U	U,P1,P2,P3	mg/kg	0.0025	0.00063	SW846 8260D	1	06/19/2024 17:36	TMP	A2
Chlorodibromomethane	0.00084U	U,P1,P2,P3	mg/kg	0.0025	0.00084	SW846 8260D	1	06/19/2024 17:36	TMP	A2
Chloroethane	0.0011U	U,P1,P2,P3	mg/kg	0.0062	0.0011	SW846 8260D	1	06/19/2024 17:36	TMP	A2

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**Results**

Client Sample ID	SB-26 (8-10)	Collected	06/05/2024 14:00
Lab Sample ID	3363931025	Lab Receipt	06/11/2024 15:50

**VOLATILE ORGANICS (cont.)**

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Chloroform	0.00066U	U,P1,P2,P3	mg/kg	0.0025	0.00066	SW846 8260D	1	06/19/2024 17:36	TMP	A2
Chloromethane	0.00068U	U,P1,P2,P3	mg/kg	0.0025	0.00068	SW846 8260D	1	06/19/2024 17:36	TMP	A2
cis-1,2-Dichloroethene	0.00062U	U,P1,P2,P3	mg/kg	0.0025	0.00062	SW846 8260D	1	06/19/2024 17:36	TMP	A2
cis-1,3-Dichloropropene	0.00068U	U,P1,P2,P3	mg/kg	0.0025	0.00068	SW846 8260D	1	06/19/2024 17:36	TMP	A2
Dibromomethane	0.00089U	U,P1,P2,P3	mg/kg	0.0025	0.00089	SW846 8260D	1	06/19/2024 17:36	TMP	A2
Dichlorodifluoromethane	0.00083U	U,P1,P2,P3	mg/kg	0.0025	0.00083	SW846 8260D	1	06/19/2024 17:36	TMP	A2
Ethylbenzene	0.00084U	U,P1,P2,P3	mg/kg	0.0025	0.00084	SW846 8260D	1	06/19/2024 17:36	TMP	A2
Freon 113	0.00062U	U,5,7,P1,P2,P3	mg/kg	0.0025	0.00062	SW846 8260D	1	06/19/2024 17:36	TMP	A2
Hexachlorobutadiene	0.00062U	U,P1,P2,P3	mg/kg	0.0062	0.00062	SW846 8260D	1	06/19/2024 17:36	TMP	A2
Isopropylbenzene	0.00076U	U,P1,P2,P3	mg/kg	0.0025	0.00076	SW846 8260D	1	06/19/2024 17:36	TMP	A2
Methyl t-Butyl Ether	0.00062U	U,P1,P2,P3	mg/kg	0.0025	0.00062	SW846 8260D	1	06/19/2024 17:36	TMP	A2
Methylene Chloride	0.0010J	J,P1,P2,P3	mg/kg	0.0025	0.00097	SW846 8260D	1	06/19/2024 17:36	TMP	A2
mp-Xylene	0.0010U	U,P1,P2,P3	mg/kg	0.0050	0.0010	SW846 8260D	1	06/19/2024 17:36	TMP	A2
Naphthalene	0.00062U	U,P1,P2,P3	mg/kg	0.0025	0.00062	SW846 8260D	1	06/19/2024 17:36	TMP	A2
n-Butylbenzene	0.00062U	U,P1,P2,P3	mg/kg	0.0025	0.00062	SW846 8260D	1	06/19/2024 17:36	TMP	A2
n-Propylbenzene	0.00062U	U,P1,P2,P3	mg/kg	0.0025	0.00062	SW846 8260D	1	06/19/2024 17:36	TMP	A2
o-Chlorotoluene	0.00062U	U,P1,P2,P3	mg/kg	0.0025	0.00062	SW846 8260D	1	06/19/2024 17:36	TMP	A2
o-Xylene	0.00072U	U,P1,P2,P3	mg/kg	0.0025	0.00072	SW846 8260D	1	06/19/2024 17:36	TMP	A2
p-Chlorotoluene	0.00062U	U,P1,P2,P3	mg/kg	0.0025	0.00062	SW846 8260D	1	06/19/2024 17:36	TMP	A2
p-Isopropyltoluene	0.00062U	U,P1,P2,P3	mg/kg	0.0025	0.00062	SW846 8260D	1	06/19/2024 17:36	TMP	A2
sec-Butylbenzene	0.00062U	U,P1,P2,P3	mg/kg	0.0025	0.00062	SW846 8260D	1	06/19/2024 17:36	TMP	A2
Styrene	0.00062U	U,P1,P2,P3	mg/kg	0.0025	0.00062	SW846 8260D	1	06/19/2024 17:36	TMP	A2
tert-Butylbenzene	0.00068U	U,P1,P2,P3	mg/kg	0.0025	0.00068	SW846 8260D	1	06/19/2024 17:36	TMP	A2
Tetrachloroethene	0.00074U	U,8,P1,P2,P3	mg/kg	0.0025	0.00074	SW846 8260D	1	06/19/2024 17:36	TMP	A2
Toluene	0.00083U	U,P1,P2,P3	mg/kg	0.0025	0.00083	SW846 8260D	1	06/19/2024 17:36	TMP	A2
Total Xylenes	0.0017U	U,P1,P2,P3	mg/kg	0.0074	0.0017	SW846 8260D	1	06/19/2024 17:36	TMP	A2
trans-1,2-Dichloroethene	0.00064U	U,P1,P2,P3	mg/kg	0.0025	0.00064	SW846 8260D	1	06/19/2024 17:36	TMP	A2
trans-1,3-Dichloropropene	0.00072U	U,P1,P2,P3	mg/kg	0.0025	0.00072	SW846 8260D	1	06/19/2024 17:36	TMP	A2
Trichloroethene	0.00062U	U,P1,P2,P3	mg/kg	0.0025	0.00062	SW846 8260D	1	06/19/2024 17:36	TMP	A2
Trichlorofluoromethane	0.00062U	U,P1,P2,P3	mg/kg	0.0025	0.00062	SW846 8260D	1	06/19/2024 17:36	TMP	A2
Vinyl Chloride	0.00062U	U,P1,P2,P3	mg/kg	0.0025	0.00062	SW846 8260D	1	06/19/2024 17:36	TMP	A2

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## Results

Client Sample ID	SB-26 (8-10)	Collected	06/05/2024 14:00
Lab Sample ID	3363931025	Lab Receipt	06/11/2024 15:50

### VOLATILE ORGANICS (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
<i>SURROGATES</i>										
Compound	CAS No			Recovery		Limits(%)		Analysis Date/Time	Qualifiers	
1,2-Dichloroethane-d4	17060-07-0			122%		56 – 124		06/19/2024 17:36		
4-Bromofluorobenzene	460-00-4			97.7%		51 – 128		06/19/2024 17:36		
Dibromofluoromethane	1868-53-7			101%		62 – 123		06/19/2024 17:36		
Toluene-d8	2037-26-5			95.4%		59 – 131		06/19/2024 17:36		

### WET CHEMISTRY

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Moisture	15.9	P1,P2,P3	%	0.1	0.01	S2540G-11	1	06/13/2024 17:05	E1R	A
Total Solids	84.1	31,P1,P2,P3	%	0.1	0.01	S2540G-11	1	06/13/2024 17:05	E1R	A

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## Results

Client Sample ID	DUP 6524	Collected	06/05/2024 00:00
Lab Sample ID	3363931026	Lab Receipt	06/11/2024 15:50

### GASOLINE RANGE ORGANICS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Gasoline Range Organics	2.2U	U,P1,P2,P3	mg/kg	13.0	2.2	SW846 8015D	100	06/20/2024 09:38	JTH	A1

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
a,a,a-Trifluorotoluene	98-08-8	78.2%	72 - 134	06/20/2024 09:38	

### PETROLEUM HC's

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Diesel Range Organics C10-C28	39.4	P1,P2,P3	mg/kg	12.5	3.4	SW846 8015D	1	06/22/2024 06:49	DXL	A

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
o-Terphenyl	84-15-1	88.7%	36 - 122	06/22/2024 06:49	

### SEMIVOLATILE SIM

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,4-Dioxane	0.0030U	U,P1,P2,P3	mg/kg	0.0060	0.0030	SW846 8270E SIM	1	06/22/2024 21:13	M1O	B
1-Methylnaphthalene	0.91	E,P1,P2,P3	mg/kg	0.0060	0.0011	SW846 8270E SIM	1	06/22/2024 21:13	M1O	B
2-Methylnaphthalene	1.3	E,P1,P2,P3	mg/kg	0.0060	0.0016	SW846 8270E SIM	1	06/22/2024 21:13	M1O	B
Acenaphthene	0.0011U	U,P1,P2,P3	mg/kg	0.0060	0.0011	SW846 8270E SIM	1	06/22/2024 21:13	M1O	B
Acenaphthylene	0.0011U	U,P1,P2,P3	mg/kg	0.0060	0.0011	SW846 8270E SIM	1	06/22/2024 21:13	M1O	B
Anthracene	0.00097U	U,P1,P2,P3	mg/kg	0.0060	0.00097	SW846 8270E SIM	1	06/22/2024 21:13	M1O	B
Benzo(a)anthracene	0.041	P1,P2,P3	mg/kg	0.0060	0.00097	SW846 8270E SIM	1	06/22/2024 21:13	M1O	B
Benzo(a)pyrene	0.030	37,P1,P2,P3	mg/kg	0.0060	0.00097	SW846 8270E SIM	1	06/22/2024 21:13	M1O	B
Benzo(b)fluoranthene	0.060	P1,P2,P3	mg/kg	0.0060	0.00097	SW846 8270E SIM	1	06/22/2024 21:13	M1O	B
Benzo(g,h,i)perylene	0.075	38,P1,P2,P3	mg/kg	0.0060	0.0012	SW846 8270E SIM	1	06/22/2024 21:13	M1O	B
Benzo(k)fluoranthene	0.028	P1,P2,P3	mg/kg	0.0060	0.0011	SW846 8270E SIM	1	06/22/2024 21:13	M1O	B
Chrysene	0.094	P1,P2,P3	mg/kg	0.0060	0.0011	SW846 8270E SIM	1	06/22/2024 21:13	M1O	B
Dibenzo(a,h)anthracene	0.022	39,P1,P2,P3	mg/kg	0.0060	0.00084	SW846 8270E SIM	1	06/22/2024 21:13	M1O	B
Fluoranthene	0.090	P1,P2,P3	mg/kg	0.0060	0.0011	SW846 8270E SIM	1	06/22/2024 21:13	M1O	B
Fluorene	0.030	P1,P2,P3	mg/kg	0.0060	0.0012	SW846 8270E SIM	1	06/22/2024 21:13	M1O	B
Indeno(1,2,3-cd)pyrene	0.026	P1,P2,P3	mg/kg	0.0060	0.00097	SW846 8270E SIM	1	06/22/2024 21:13	M1O	B
Naphthalene	0.61	P1,P2,P3	mg/kg	0.0060	0.0013	SW846 8270E SIM	1	06/22/2024 21:13	M1O	B
Phenanthrene	0.65	P1,P2,P3	mg/kg	0.0060	0.0013	SW846 8270E SIM	1	06/22/2024 21:13	M1O	B



## Results

Client Sample ID	DUP 6524	Collected	06/05/2024 00:00
Lab Sample ID	3363931026	Lab Receipt	06/11/2024 15:50

### SEMIVOLATILE SIM (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Pyrene	0.11	P1,P2,P3	mg/kg	0.0060	0.00097	SW846 8270E SIM	1	06/22/2024 21:13	M1O	B

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
2-Methylnaphthalene-d10	7297-45-2	80.9%	50 - 150	06/22/2024 21:13	
Fluoranthene-d10	93951-69-0	104%	50 - 150	06/22/2024 21:13	

### SEMIVOLATILES

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1-Methylnaphthalene	1.1	P1,P2,P3	mg/kg	0.12	0.021	SW846 8270E	1	06/20/2024 08:14	S7M	B
2-Methylnaphthalene	1.5	P1,P2,P3	mg/kg	0.12	0.021	SW846 8270E	1	06/20/2024 08:14	S7M	B
Acenaphthene	0.021U	U,P1,P2,P3	mg/kg	0.060	0.021	SW846 8270E	1	06/20/2024 08:14	S7M	B
Acenaphthylene	0.021U	U,P1,P2,P3	mg/kg	0.060	0.021	SW846 8270E	1	06/20/2024 08:14	S7M	B
Anthracene	0.021U	U,P1,P2,P3	mg/kg	0.060	0.021	SW846 8270E	1	06/20/2024 08:14	S7M	B
Benzo(a)anthracene	0.041J	J,P1,P2,P3	mg/kg	0.060	0.021	SW846 8270E	1	06/20/2024 08:14	S7M	B
Benzo(a)pyrene	0.035J	J,P1,P2,P3	mg/kg	0.060	0.021	SW846 8270E	1	06/20/2024 08:14	S7M	B
Benzo(b)fluoranthene	0.062	P1,P2,P3	mg/kg	0.060	0.021	SW846 8270E	1	06/20/2024 08:14	S7M	B
Benzo(g,h,i)perylene	0.071	P1,P2,P3	mg/kg	0.060	0.021	SW846 8270E	1	06/20/2024 08:14	S7M	B
Benzo(k)fluoranthene	0.029J	J,P1,P2,P3	mg/kg	0.060	0.021	SW846 8270E	1	06/20/2024 08:14	S7M	B
Carbazole	0.023J	J,P1,P2,P3	mg/kg	0.12	0.021	SW846 8270E	1	06/20/2024 08:14	S7M	B
Chrysene	0.094	P1,P2,P3	mg/kg	0.060	0.021	SW846 8270E	1	06/20/2024 08:14	S7M	B
Dibenzo(a,h)anthracene	0.021U	U,P1,P2,P3	mg/kg	0.060	0.021	SW846 8270E	1	06/20/2024 08:14	S7M	B
Dibenzofuran	0.26	P1,P2,P3	mg/kg	0.12	0.021	SW846 8270E	1	06/20/2024 08:14	S7M	B
Fluoranthene	0.10	P1,P2,P3	mg/kg	0.060	0.021	SW846 8270E	1	06/20/2024 08:14	S7M	B
Fluorene	0.021U	U,P1,P2,P3	mg/kg	0.060	0.021	SW846 8270E	1	06/20/2024 08:14	S7M	B
Indeno(1,2,3-cd)pyrene	0.026J	J,P1,P2,P3	mg/kg	0.060	0.021	SW846 8270E	1	06/20/2024 08:14	S7M	B
Naphthalene	0.64	P1,P2,P3	mg/kg	0.060	0.021	SW846 8270E	1	06/20/2024 08:14	S7M	B
Phenanthrene	0.69	P1,P2,P3	mg/kg	0.060	0.021	SW846 8270E	1	06/20/2024 08:14	S7M	B
Pyrene	0.12	P1,P2,P3	mg/kg	0.060	0.021	SW846 8270E	1	06/20/2024 08:14	S7M	B

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## Results

Client Sample ID	DUP 6524	Collected	06/05/2024 00:00
Lab Sample ID	3363931026	Lab Receipt	06/11/2024 15:50

### SEMIVOLATILES (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
<i>SURROGATES</i>										
Compound	CAS No			Recovery		Limits(%)		Analysis Date/Time		Qualifiers
2,4,6-Tribromophenol	118-79-6			92.2%		19 - 132		06/20/2024 08:14		
2-Fluorobiphenyl	321-60-8			74.7%		40 - 110		06/20/2024 08:14		
2-Fluorophenol	367-12-4			64.9%		26 - 116		06/20/2024 08:14		
Nitrobenzene-d5	4165-60-0			73.7%		38 - 112		06/20/2024 08:14		
Phenol-d5	4165-62-2			67.3%		35 - 111		06/20/2024 08:14		
Terphenyl-d14	98904-43-9			99.8%		45 - 126		06/20/2024 08:14		

### VOLATILE ORGANICS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1-Trichloroethane	0.00069U	U,P1,P2 ,P3	mg/kg	0.0022	0.00069	SW846 8260D	1	06/19/2024 18:02	TMP	A2
1,1,2,2-Tetrachloroethane	0.00063U	U,P1,P2 ,P3	mg/kg	0.0022	0.00063	SW846 8260D	1	06/19/2024 18:02	TMP	A2
1,1,2-Trichloroethane	0.00063U	U,P1,P2 ,P3	mg/kg	0.0022	0.00063	SW846 8260D	1	06/19/2024 18:02	TMP	A2
1,1-Dichloroethane	0.00056U	U,P1,P2 ,P3	mg/kg	0.0022	0.00056	SW846 8260D	1	06/19/2024 18:02	TMP	A2
1,1-Dichloroethene	0.00058U	U,P1,P2 ,P3	mg/kg	0.0022	0.00058	SW846 8260D	1	06/19/2024 18:02	TMP	A2
1,1-Dichloropropene	0.00056U	U,P1,P2 ,P3	mg/kg	0.0022	0.00056	SW846 8260D	1	06/19/2024 18:02	TMP	A2
1,2,3-Trichlorobenzene	0.00056U	U,P1,P2 ,P3	mg/kg	0.0056	0.00056	SW846 8260D	1	06/19/2024 18:02	TMP	A2
1,2,3-Trichloropropane	0.00056U	U,P1,P2 ,P3	mg/kg	0.0022	0.00056	SW846 8260D	1	06/19/2024 18:02	TMP	A2
1,2,4-Trichlorobenzene	0.00056U	U,P1,P2 ,P3	mg/kg	0.0056	0.00056	SW846 8260D	1	06/19/2024 18:02	TMP	A2
1,2,4-Trimethylbenzene	0.00056U	U,P1,P2 ,P3	mg/kg	0.0022	0.00056	SW846 8260D	1	06/19/2024 18:02	TMP	A2
1,2-Dibromo-3-chloropropane	0.00028U	U,P1,P2 ,P3	mg/kg	0.0022	0.00028	SW846 8260D	1	06/19/2024 18:02	TMP	A2
1,2-Dibromoethane	0.00060U	U,P1,P2 ,P3	mg/kg	0.0022	0.00060	SW846 8260D	1	06/19/2024 18:02	TMP	A2
1,2-Dichlorobenzene	0.00056U	U,P1,P2 ,P3	mg/kg	0.0022	0.00056	SW846 8260D	1	06/19/2024 18:02	TMP	A2
1,2-Dichloroethane	0.00056U	U,P1,P2 ,P3	mg/kg	0.0022	0.00056	SW846 8260D	1	06/19/2024 18:02	TMP	A2
1,2-Dichloropropane	0.00067U	U,P1,P2 ,P3	mg/kg	0.0022	0.00067	SW846 8260D	1	06/19/2024 18:02	TMP	A2
1,3,5-Trimethylbenzene	0.00056U	U,P1,P2 ,P3	mg/kg	0.0022	0.00056	SW846 8260D	1	06/19/2024 18:02	TMP	A2
1,3-Dichlorobenzene	0.00056U	U,P1,P2 ,P3	mg/kg	0.0022	0.00056	SW846 8260D	1	06/19/2024 18:02	TMP	A2
1,3-Dichloropropane	0.00093U	U,P1,P2 ,P3	mg/kg	0.0022	0.00093	SW846 8260D	1	06/19/2024 18:02	TMP	A2
1,4-Dichlorobenzene	0.00056U	U,P1,P2 ,P3	mg/kg	0.0022	0.00056	SW846 8260D	1	06/19/2024 18:02	TMP	A2
2,2-Dichloropropane	0.00056U	U,P1,P2 ,P3	mg/kg	0.0022	0.00056	SW846 8260D	1	06/19/2024 18:02	TMP	A2
2-Butanone	0.0036U	U,P1,P2 ,P3	mg/kg	0.011	0.0036	SW846 8260D	1	06/19/2024 18:02	TMP	A2
2-Hexanone	0.0031U	U,P1,P2 ,P3	mg/kg	0.011	0.0031	SW846 8260D	1	06/19/2024 18:02	TMP	A2
4-Methyl-2-Pentanone(MIBK)	0.0043U	U,P1,P2 ,P3	mg/kg	0.011	0.0043	SW846 8260D	1	06/19/2024 18:02	TMP	A2
Acetone	0.019	P1,P2,P 3	mg/kg	0.011	0.0051	SW846 8260D	1	06/19/2024 18:02	TMP	A2
Benzene	0.00056U	U,P1,P2 ,P3	mg/kg	0.0022	0.00056	SW846 8260D	1	06/19/2024 18:02	TMP	A2



**Results**

Client Sample ID	DUP 6524	Collected	06/05/2024 00:00
Lab Sample ID	3363931026	Lab Receipt	06/11/2024 15:50

**VOLATILE ORGANICS (cont.)**

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Bromobenzene	0.00056U	U,P1,P2,P3	mg/kg	0.0022	0.00056	SW846 8260D	1	06/19/2024 18:02	TMP	A2
Bromochloromethane	0.00056U	U,P1,P2,P3	mg/kg	0.0022	0.00056	SW846 8260D	1	06/19/2024 18:02	TMP	A2
Bromodichloromethane	0.00079U	U,P1,P2,P3	mg/kg	0.0022	0.00079	SW846 8260D	1	06/19/2024 18:02	TMP	A2
Bromoform	0.00058U	U,P1,P2,P3	mg/kg	0.0022	0.00058	SW846 8260D	1	06/19/2024 18:02	TMP	A2
Bromomethane	0.00058U	U,2,3,4,P1,P2,P3	mg/kg	0.0022	0.00058	SW846 8260D	1	06/19/2024 18:02	TMP	A2
Carbon Disulfide	0.0012J	J,P1,P2,P3	mg/kg	0.0022	0.00071	SW846 8260D	1	06/19/2024 18:02	TMP	A2
Carbon Tetrachloride	0.00057U	U,P1,P2,P3	mg/kg	0.0022	0.00057	SW846 8260D	1	06/19/2024 18:02	TMP	A2
Chlorobenzene	0.00057U	U,P1,P2,P3	mg/kg	0.0022	0.00057	SW846 8260D	1	06/19/2024 18:02	TMP	A2
Chlorodibromomethane	0.00076U	U,P1,P2,P3	mg/kg	0.0022	0.00076	SW846 8260D	1	06/19/2024 18:02	TMP	A2
Chloroethane	0.00095U	U,P1,P2,P3	mg/kg	0.0056	0.00095	SW846 8260D	1	06/19/2024 18:02	TMP	A2
Chloroform	0.00059U	U,P1,P2,P3	mg/kg	0.0022	0.00059	SW846 8260D	1	06/19/2024 18:02	TMP	A2
Chloromethane	0.00062U	U,P1,P2,P3	mg/kg	0.0022	0.00062	SW846 8260D	1	06/19/2024 18:02	TMP	A2
cis-1,2-Dichloroethene	0.00056U	U,P1,P2,P3	mg/kg	0.0022	0.00056	SW846 8260D	1	06/19/2024 18:02	TMP	A2
cis-1,3-Dichloropropene	0.00062U	U,P1,P2,P3	mg/kg	0.0022	0.00062	SW846 8260D	1	06/19/2024 18:02	TMP	A2
Dibromomethane	0.00081U	U,P1,P2,P3	mg/kg	0.0022	0.00081	SW846 8260D	1	06/19/2024 18:02	TMP	A2
Dichlorodifluoromethane	0.00075U	U,P1,P2,P3	mg/kg	0.0022	0.00075	SW846 8260D	1	06/19/2024 18:02	TMP	A2
Ethylbenzene	0.00076U	U,P1,P2,P3	mg/kg	0.0022	0.00076	SW846 8260D	1	06/19/2024 18:02	TMP	A2
Freon 113	0.00056U	U,5,7,P1,P2,P3	mg/kg	0.0022	0.00056	SW846 8260D	1	06/19/2024 18:02	TMP	A2
Hexachlorobutadiene	0.00056U	U,P1,P2,P3	mg/kg	0.0056	0.00056	SW846 8260D	1	06/19/2024 18:02	TMP	A2
Isopropylbenzene	0.00068U	U,P1,P2,P3	mg/kg	0.0022	0.00068	SW846 8260D	1	06/19/2024 18:02	TMP	A2
Methyl t-Butyl Ether	0.00056U	U,P1,P2,P3	mg/kg	0.0022	0.00056	SW846 8260D	1	06/19/2024 18:02	TMP	A2
Methylene Chloride	0.0034	P1,P2,P3	mg/kg	0.0022	0.00087	SW846 8260D	1	06/19/2024 18:02	TMP	A2
mp-Xylene	0.00093U	U,P1,P2,P3	mg/kg	0.0045	0.00093	SW846 8260D	1	06/19/2024 18:02	TMP	A2
Naphthalene	0.00056U	U,P1,P2,P3	mg/kg	0.0022	0.00056	SW846 8260D	1	06/19/2024 18:02	TMP	A2
n-Butylbenzene	0.00056U	U,P1,P2,P3	mg/kg	0.0022	0.00056	SW846 8260D	1	06/19/2024 18:02	TMP	A2
n-Propylbenzene	0.00056U	U,P1,P2,P3	mg/kg	0.0022	0.00056	SW846 8260D	1	06/19/2024 18:02	TMP	A2
o-Chlorotoluene	0.00056U	U,P1,P2,P3	mg/kg	0.0022	0.00056	SW846 8260D	1	06/19/2024 18:02	TMP	A2
o-Xylene	0.00065U	U,P1,P2,P3	mg/kg	0.0022	0.00065	SW846 8260D	1	06/19/2024 18:02	TMP	A2
p-Chlorotoluene	0.00056U	U,P1,P2,P3	mg/kg	0.0022	0.00056	SW846 8260D	1	06/19/2024 18:02	TMP	A2
p-Isopropyltoluene	0.00056U	U,P1,P2,P3	mg/kg	0.0022	0.00056	SW846 8260D	1	06/19/2024 18:02	TMP	A2
sec-Butylbenzene	0.00056U	U,P1,P2,P3	mg/kg	0.0022	0.00056	SW846 8260D	1	06/19/2024 18:02	TMP	A2
Styrene	0.00056U	U,P1,P2,P3	mg/kg	0.0022	0.00056	SW846 8260D	1	06/19/2024 18:02	TMP	A2
tert-Butylbenzene	0.00062U	U,P1,P2,P3	mg/kg	0.0022	0.00062	SW846 8260D	1	06/19/2024 18:02	TMP	A2
Tetrachloroethene	0.00067U	U,8,P1,P2,P3	mg/kg	0.0022	0.00067	SW846 8260D	1	06/19/2024 18:02	TMP	A2
Toluene	0.00075U	U,P1,P2,P3	mg/kg	0.0022	0.00075	SW846 8260D	1	06/19/2024 18:02	TMP	A2

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## Results

Client Sample ID	DUP 6524	Collected	06/05/2024 00:00
Lab Sample ID	3363931026	Lab Receipt	06/11/2024 15:50

### VOLATILE ORGANICS (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Total Xylenes	0.0016U	U,P1,P2,P3	mg/kg	0.0067	0.0016	SW846 8260D	1	06/19/2024 18:02	TMP	A2
trans-1,2-Dichloroethene	0.00058U	U,P1,P2,P3	mg/kg	0.0022	0.00058	SW846 8260D	1	06/19/2024 18:02	TMP	A2
trans-1,3-Dichloropropene	0.00065U	U,P1,P2,P3	mg/kg	0.0022	0.00065	SW846 8260D	1	06/19/2024 18:02	TMP	A2
Trichloroethene	0.00056U	U,P1,P2,P3	mg/kg	0.0022	0.00056	SW846 8260D	1	06/19/2024 18:02	TMP	A2
Trichlorofluoromethane	0.00056U	U,P1,P2,P3	mg/kg	0.0022	0.00056	SW846 8260D	1	06/19/2024 18:02	TMP	A2
Vinyl Chloride	0.00056U	U,P1,P2,P3	mg/kg	0.0022	0.00056	SW846 8260D	1	06/19/2024 18:02	TMP	A2

### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	122%	56 – 124	06/19/2024 18:02	
4-Bromofluorobenzene	460-00-4	96.1%	51 – 128	06/19/2024 18:02	
Dibromofluoromethane	1868-53-7	102%	62 – 123	06/19/2024 18:02	
Toluene-d8	2037-26-5	96.1%	59 – 131	06/19/2024 18:02	

### WET CHEMISTRY

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Moisture	17.1	P1,P2,P3	%	0.1	0.01	S2540G-11	1	06/13/2024 17:05	E1R	A
Total Solids	82.9	31,P1,P2,P3	%	0.1	0.01	S2540G-11	1	06/13/2024 17:05	E1R	A

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## Results

Client Sample ID	SB-31 (2-4)	Collected	06/07/2024 09:15
Lab Sample ID	3363931027	Lab Receipt	06/11/2024 15:50

### GASOLINE RANGE ORGANICS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Gasoline Range Organics	37.1	P1,P2,P3	mg/kg	11.8	2.0	SW846 8015D	100	06/20/2024 10:04	JTH	A1

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
a,a,a-Trifluorotoluene	98-08-8	90.6%	72 - 134	06/20/2024 10:04	

### PETROLEUM HC's

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Diesel Range Organics C10-C28	48.8	P1,P2,P3	mg/kg	13.5	3.7	SW846 8015D	1	06/22/2024 07:53	DXL	A

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
o-Terphenyl	84-15-1	90.8%	36 - 122	06/22/2024 07:53	

### SEMIVOLATILE SIM

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,4-Dioxane	0.0032U	U,P1,P2,P3	mg/kg	0.0064	0.0032	SW846 8270E SIM	1	06/22/2024 21:40	M1O	A
1-Methylnaphthalene	0.20	P1,P2,P3	mg/kg	0.0064	0.0011	SW846 8270E SIM	1	06/22/2024 21:40	M1O	A
2-Methylnaphthalene	0.35	P1,P2,P3	mg/kg	0.0064	0.0017	SW846 8270E SIM	1	06/22/2024 21:40	M1O	A
Acenaphthene	0.0011U	U,P1,P2,P3	mg/kg	0.0064	0.0011	SW846 8270E SIM	1	06/22/2024 21:40	M1O	A
Acenaphthylene	0.0011U	U,P1,P2,P3	mg/kg	0.0064	0.0011	SW846 8270E SIM	1	06/22/2024 21:40	M1O	A
Anthracene	0.0046J	J,P1,P2,P3	mg/kg	0.0064	0.0010	SW846 8270E SIM	1	06/22/2024 21:40	M1O	A
Benzo(a)anthracene	0.0047J	J,P1,P2,P3	mg/kg	0.0064	0.0010	SW846 8270E SIM	1	06/22/2024 21:40	M1O	A
Benzo(a)pyrene	0.0010U	U,37,P1,P2,P3	mg/kg	0.0064	0.0010	SW846 8270E SIM	1	06/22/2024 21:40	M1O	A
Benzo(b)fluoranthene	0.0067	P1,P2,P3	mg/kg	0.0064	0.0010	SW846 8270E SIM	1	06/22/2024 21:40	M1O	A
Benzo(g,h,i)perylene	0.0055J	J,38,P1,P2,P3	mg/kg	0.0064	0.0013	SW846 8270E SIM	1	06/22/2024 21:40	M1O	A
Benzo(k)fluoranthene	0.0053J	J,P1,P2,P3	mg/kg	0.0064	0.0011	SW846 8270E SIM	1	06/22/2024 21:40	M1O	A
Chrysene	0.010	P1,P2,P3	mg/kg	0.0064	0.0011	SW846 8270E SIM	1	06/22/2024 21:40	M1O	A
Dibenzo(a,h)anthracene	0.00089U	U,39,P1,P2,P3	mg/kg	0.0064	0.00089	SW846 8270E SIM	1	06/22/2024 21:40	M1O	A
Fluoranthene	0.019	P1,P2,P3	mg/kg	0.0064	0.0011	SW846 8270E SIM	1	06/22/2024 21:40	M1O	A
Fluorene	0.016	P1,P2,P3	mg/kg	0.0064	0.0013	SW846 8270E SIM	1	06/22/2024 21:40	M1O	A
Indeno(1,2,3-cd)pyrene	0.0042J	J,P1,P2,P3	mg/kg	0.0064	0.0010	SW846 8270E SIM	1	06/22/2024 21:40	M1O	A
Naphthalene	0.11	P1,P2,P3	mg/kg	0.0064	0.0014	SW846 8270E SIM	1	06/22/2024 21:40	M1O	A
Phenanthrene	0.091	P1,P2,P3	mg/kg	0.0064	0.0014	SW846 8270E SIM	1	06/22/2024 21:40	M1O	A



## Results

Client Sample ID	SB-31 (2-4)	Collected	06/07/2024 09:15
Lab Sample ID	3363931027	Lab Receipt	06/11/2024 15:50

### SEMIVOLATILE SIM (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Pyrene	0.014	P1,P2,P3	mg/kg	0.0064	0.0010	SW846 8270E SIM	1	06/22/2024 21:40	M1O	A

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
2-Methylnaphthalene-d10	7297-45-2	80.2%	50 - 150	06/22/2024 21:40	
Fluoranthene-d10	93951-69-0	89.4%	50 - 150	06/22/2024 21:40	

### SEMIVOLATILES

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1-Methylnaphthalene	0.22	P1,P2,P3	mg/kg	0.13	0.022	SW846 8270E	1	06/20/2024 08:38	S7M	A
2-Methylnaphthalene	0.37	P1,P2,P3	mg/kg	0.13	0.022	SW846 8270E	1	06/20/2024 08:38	S7M	A
Acenaphthene	0.022U	U,P1,P2,P3	mg/kg	0.064	0.022	SW846 8270E	1	06/20/2024 08:38	S7M	A
Acenaphthylene	0.022U	U,P1,P2,P3	mg/kg	0.064	0.022	SW846 8270E	1	06/20/2024 08:38	S7M	A
Anthracene	0.022U	U,P1,P2,P3	mg/kg	0.064	0.022	SW846 8270E	1	06/20/2024 08:38	S7M	A
Benzo(a)anthracene	0.022U	U,P1,P2,P3	mg/kg	0.064	0.022	SW846 8270E	1	06/20/2024 08:38	S7M	A
Benzo(a)pyrene	0.022U	U,P1,P2,P3	mg/kg	0.064	0.022	SW846 8270E	1	06/20/2024 08:38	S7M	A
Benzo(b)fluoranthene	0.022U	U,P1,P2,P3	mg/kg	0.064	0.022	SW846 8270E	1	06/20/2024 08:38	S7M	A
Benzo(g,h,i)perylene	0.022U	U,P1,P2,P3	mg/kg	0.064	0.022	SW846 8270E	1	06/20/2024 08:38	S7M	A
Benzo(k)fluoranthene	0.022U	U,P1,P2,P3	mg/kg	0.064	0.022	SW846 8270E	1	06/20/2024 08:38	S7M	A
Carbazole	0.022U	U,P1,P2,P3	mg/kg	0.13	0.022	SW846 8270E	1	06/20/2024 08:38	S7M	A
Chrysene	0.022U	U,P1,P2,P3	mg/kg	0.064	0.022	SW846 8270E	1	06/20/2024 08:38	S7M	A
Dibenzo(a,h)anthracene	0.022U	U,P1,P2,P3	mg/kg	0.064	0.022	SW846 8270E	1	06/20/2024 08:38	S7M	A
Dibenzofuran	0.022U	U,P1,P2,P3	mg/kg	0.13	0.022	SW846 8270E	1	06/20/2024 08:38	S7M	A
Fluoranthene	0.022U	U,P1,P2,P3	mg/kg	0.064	0.022	SW846 8270E	1	06/20/2024 08:38	S7M	A
Fluorene	0.022U	U,P1,P2,P3	mg/kg	0.064	0.022	SW846 8270E	1	06/20/2024 08:38	S7M	A
Indeno(1,2,3-cd)pyrene	0.022U	U,P1,P2,P3	mg/kg	0.064	0.022	SW846 8270E	1	06/20/2024 08:38	S7M	A
Naphthalene	0.11	P1,P2,P3	mg/kg	0.064	0.022	SW846 8270E	1	06/20/2024 08:38	S7M	A
Phenanthrene	0.097	P1,P2,P3	mg/kg	0.064	0.022	SW846 8270E	1	06/20/2024 08:38	S7M	A
Pyrene	0.022U	U,P1,P2,P3	mg/kg	0.064	0.022	SW846 8270E	1	06/20/2024 08:38	S7M	A

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## Results

Client Sample ID	SB-31 (2-4)	Collected	06/07/2024 09:15
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### SEMIVOLATILES (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
<i>SURROGATES</i>										
Compound	CAS No			Recovery		Limits(%)		Analysis Date/Time		Qualifiers
2,4,6-Tribromophenol	118-79-6			8.82%		19 - 132		06/20/2024 08:38		41
2-Fluorobiphenyl	321-60-8			73.3%		40 - 110		06/20/2024 08:38		
2-Fluorophenol	367-12-4			34.3%		26 - 116		06/20/2024 08:38		
Nitrobenzene-d5	4165-60-0			76.4%		38 - 112		06/20/2024 08:38		
Phenol-d5	4165-62-2			62%		35 - 111		06/20/2024 08:38		
Terphenyl-d14	98904-43-9			87.9%		45 - 126		06/20/2024 08:38		

### VOLATILE ORGANICS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1-Trichloroethane	0.00076U	U,P1,P2,P3	mg/kg	0.0025	0.00076	SW846 8260D	1	06/20/2024 19:36	TMP	A2
1,1,2,2-Tetrachloroethane	0.00069U	U,P1,P2,P3	mg/kg	0.0025	0.00069	SW846 8260D	1	06/20/2024 19:36	TMP	A2
1,1,2-Trichloroethane	0.00069U	U,P1,P2,P3	mg/kg	0.0025	0.00069	SW846 8260D	1	06/20/2024 19:36	TMP	A2
1,1-Dichloroethane	0.00061U	U,P1,P2,P3	mg/kg	0.0025	0.00061	SW846 8260D	1	06/20/2024 19:36	TMP	A2
1,1-Dichloroethene	0.00064U	U,P1,P2,P3	mg/kg	0.0025	0.00064	SW846 8260D	1	06/20/2024 19:36	TMP	A2
1,1-Dichloropropene	0.00061U	U,P1,P2,P3	mg/kg	0.0025	0.00061	SW846 8260D	1	06/20/2024 19:36	TMP	A2
1,2,3-Trichlorobenzene	0.00061U	U,P1,P2,P3	mg/kg	0.0061	0.00061	SW846 8260D	1	06/20/2024 19:36	TMP	A2
1,2,3-Trichloropropane	0.00061U	U,P1,P2,P3	mg/kg	0.0025	0.00061	SW846 8260D	1	06/20/2024 19:36	TMP	A2
1,2,4-Trichlorobenzene	0.00061U	U,P1,P2,P3	mg/kg	0.0061	0.00061	SW846 8260D	1	06/20/2024 19:36	TMP	A2
1,2,4-Trimethylbenzene	0.13	P1,P2,P3	mg/kg	0.0025	0.00061	SW846 8260D	1	06/20/2024 19:36	TMP	A2
1,2-Dibromo-3-chloropropane	0.00031U	U,P1,P2,P3	mg/kg	0.0025	0.00031	SW846 8260D	1	06/20/2024 19:36	TMP	A2
1,2-Dibromoethane	0.00066U	U,P1,P2,P3	mg/kg	0.0025	0.00066	SW846 8260D	1	06/20/2024 19:36	TMP	A2
1,2-Dichlorobenzene	0.00061U	U,P1,P2,P3	mg/kg	0.0025	0.00061	SW846 8260D	1	06/20/2024 19:36	TMP	A2
1,2-Dichloroethane	0.00061U	U,P1,P2,P3	mg/kg	0.0025	0.00061	SW846 8260D	1	06/20/2024 19:36	TMP	A2
1,2-Dichloropropane	0.00074U	U,P1,P2,P3	mg/kg	0.0025	0.00074	SW846 8260D	1	06/20/2024 19:36	TMP	A2
1,3,5-Trimethylbenzene	0.038	P1,P2,P3	mg/kg	0.0025	0.00061	SW846 8260D	1	06/20/2024 19:36	TMP	A2
1,3-Dichlorobenzene	0.00061U	U,P1,P2,P3	mg/kg	0.0025	0.00061	SW846 8260D	1	06/20/2024 19:36	TMP	A2
1,3-Dichloropropane	0.0010U	U,P1,P2,P3	mg/kg	0.0025	0.0010	SW846 8260D	1	06/20/2024 19:36	TMP	A2
1,4-Dichlorobenzene	0.00061U	U,P1,P2,P3	mg/kg	0.0025	0.00061	SW846 8260D	1	06/20/2024 19:36	TMP	A2
2,2-Dichloropropane	0.00061U	U,P1,P2,P3	mg/kg	0.0025	0.00061	SW846 8260D	1	06/20/2024 19:36	TMP	A2
2-Butanone	0.015	P1,P2,P3	mg/kg	0.012	0.0039	SW846 8260D	1	06/20/2024 19:36	TMP	A2
2-Hexanone	0.0034U	U,P1,P2,P3	mg/kg	0.012	0.0034	SW846 8260D	1	06/20/2024 19:36	TMP	A2
4-Methyl-2-Pentanone(MIBK)	0.0047U	U,P1,P2,P3	mg/kg	0.012	0.0047	SW846 8260D	1	06/20/2024 19:36	TMP	A2
Acetone	0.080	P1,P2,P3	mg/kg	0.012	0.0056	SW846 8260D	1	06/20/2024 19:36	TMP	A2
Benzene	0.0010J	J,P1,P2,P3	mg/kg	0.0025	0.00061	SW846 8260D	1	06/20/2024 19:36	TMP	A2



## Results

Client Sample ID	SB-31 (2-4)	Collected	06/07/2024 09:15
Lab Sample ID	3363931027	Lab Receipt	06/11/2024 15:50

### VOLATILE ORGANICS (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Bromobenzene	0.00061U	U,P1,P2,P3	mg/kg	0.0025	0.00061	SW846 8260D	1	06/20/2024 19:36	TMP	A2
Bromochloromethane	0.00061U	U,P1,P2,P3	mg/kg	0.0025	0.00061	SW846 8260D	1	06/20/2024 19:36	TMP	A2
Bromodichloromethane	0.00087U	U,P1,P2,P3	mg/kg	0.0025	0.00087	SW846 8260D	1	06/20/2024 19:36	TMP	A2
Bromoform	0.00064U	U,P1,P2,P3	mg/kg	0.0025	0.00064	SW846 8260D	1	06/20/2024 19:36	TMP	A2
Bromomethane	0.00064U	U,P1,P2,P3	mg/kg	0.0025	0.00064	SW846 8260D	1	06/20/2024 19:36	TMP	A2
Carbon Disulfide	0.0030	P1,P2,P3	mg/kg	0.0025	0.00077	SW846 8260D	1	06/20/2024 19:36	TMP	A2
Carbon Tetrachloride	0.00063U	U,P1,P2,P3	mg/kg	0.0025	0.00063	SW846 8260D	1	06/20/2024 19:36	TMP	A2
Chlorobenzene	0.00063U	U,P1,P2,P3	mg/kg	0.0025	0.00063	SW846 8260D	1	06/20/2024 19:36	TMP	A2
Chlorodibromomethane	0.00083U	U,P1,P2,P3	mg/kg	0.0025	0.00083	SW846 8260D	1	06/20/2024 19:36	TMP	A2
Chloroethane	0.0010U	U,P1,P2,P3	mg/kg	0.0061	0.0010	SW846 8260D	1	06/20/2024 19:36	TMP	A2
Chloroform	0.00065U	U,P1,P2,P3	mg/kg	0.0025	0.00065	SW846 8260D	1	06/20/2024 19:36	TMP	A2
Chloromethane	0.00067U	U,P1,P2,P3	mg/kg	0.0025	0.00067	SW846 8260D	1	06/20/2024 19:36	TMP	A2
cis-1,2-Dichloroethene	0.00061U	U,P1,P2,P3	mg/kg	0.0025	0.00061	SW846 8260D	1	06/20/2024 19:36	TMP	A2
cis-1,3-Dichloropropene	0.00067U	U,P1,P2,P3	mg/kg	0.0025	0.00067	SW846 8260D	1	06/20/2024 19:36	TMP	A2
Dibromomethane	0.00088U	U,P1,P2,P3	mg/kg	0.0025	0.00088	SW846 8260D	1	06/20/2024 19:36	TMP	A2
Dichlorodifluoromethane	0.00082U	U,P1,P2,P3	mg/kg	0.0025	0.00082	SW846 8260D	1	06/20/2024 19:36	TMP	A2
Ethylbenzene	0.029	P1,P2,P3	mg/kg	0.0025	0.00083	SW846 8260D	1	06/20/2024 19:36	TMP	A2
Freon 113	0.00061U	U,42,43,P1,P2,P3	mg/kg	0.0025	0.00061	SW846 8260D	1	06/20/2024 19:36	TMP	A2
Hexachlorobutadiene	0.00061U	U,P1,P2,P3	mg/kg	0.0061	0.00061	SW846 8260D	1	06/20/2024 19:36	TMP	A2
Isopropylbenzene	0.0081	P1,P2,P3	mg/kg	0.0025	0.00075	SW846 8260D	1	06/20/2024 19:36	TMP	A2
Methyl t-Butyl Ether	0.00061U	U,P1,P2,P3	mg/kg	0.0025	0.00061	SW846 8260D	1	06/20/2024 19:36	TMP	A2
Methylene Chloride	0.0021J	J,P1,P2,P3	mg/kg	0.0025	0.00096	SW846 8260D	1	06/20/2024 19:36	TMP	A2
mp-Xylene	0.097	P1,P2,P3	mg/kg	0.0049	0.0010	SW846 8260D	1	06/20/2024 19:36	TMP	A2
Naphthalene	0.036	P1,P2,P3	mg/kg	0.0025	0.00061	SW846 8260D	1	06/20/2024 19:36	TMP	A2
n-Butylbenzene	0.0089	40,P1,P2,P3	mg/kg	0.0025	0.00061	SW846 8260D	1	06/20/2024 19:36	TMP	A2
n-Propylbenzene	0.022	P1,P2,P3	mg/kg	0.0025	0.00061	SW846 8260D	1	06/20/2024 19:36	TMP	A2
o-Chlorotoluene	0.00061U	U,P1,P2,P3	mg/kg	0.0025	0.00061	SW846 8260D	1	06/20/2024 19:36	TMP	A2
o-Xylene	0.019	P1,P2,P3	mg/kg	0.0025	0.00071	SW846 8260D	1	06/20/2024 19:36	TMP	A2
p-Chlorotoluene	0.00061U	U,P1,P2,P3	mg/kg	0.0025	0.00061	SW846 8260D	1	06/20/2024 19:36	TMP	A2
p-Isopropyltoluene	0.0089	P1,P2,P3	mg/kg	0.0025	0.00061	SW846 8260D	1	06/20/2024 19:36	TMP	A2
sec-Butylbenzene	0.0064	P1,P2,P3	mg/kg	0.0025	0.00061	SW846 8260D	1	06/20/2024 19:36	TMP	A2
Styrene	0.00061U	U,P1,P2,P3	mg/kg	0.0025	0.00061	SW846 8260D	1	06/20/2024 19:36	TMP	A2
tert-Butylbenzene	0.00067U	U,P1,P2,P3	mg/kg	0.0025	0.00067	SW846 8260D	1	06/20/2024 19:36	TMP	A2
Tetrachloroethene	0.00074U	U,P1,P2,P3	mg/kg	0.0025	0.00074	SW846 8260D	1	06/20/2024 19:36	TMP	A2
Toluene	0.0053	P1,P2,P3	mg/kg	0.0025	0.00082	SW846 8260D	1	06/20/2024 19:36	TMP	A2

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## Results

Client Sample ID	SB-31 (2-4)	Collected	06/07/2024 09:15
Lab Sample ID	3363931027	Lab Receipt	06/11/2024 15:50

### VOLATILE ORGANICS (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Total Xylenes	0.12	P1,P2,P3	mg/kg	0.0074	0.0017	SW846 8260D	1	06/20/2024 19:36	TMP	A2
trans-1,2-Dichloroethene	0.00064U	U,P1,P2,P3	mg/kg	0.0025	0.00064	SW846 8260D	1	06/20/2024 19:36	TMP	A2
trans-1,3-Dichloropropene	0.00071U	U,P1,P2,P3	mg/kg	0.0025	0.00071	SW846 8260D	1	06/20/2024 19:36	TMP	A2
Trichloroethene	0.00061U	U,P1,P2,P3	mg/kg	0.0025	0.00061	SW846 8260D	1	06/20/2024 19:36	TMP	A2
Trichlorofluoromethane	0.00061U	U,P1,P2,P3	mg/kg	0.0025	0.00061	SW846 8260D	1	06/20/2024 19:36	TMP	A2
Vinyl Chloride	0.00061U	U,P1,P2,P3	mg/kg	0.0025	0.00061	SW846 8260D	1	06/20/2024 19:36	TMP	A2

### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	110%	56 – 124	06/20/2024 19:36	
4-Bromofluorobenzene	460-00-4	97.1%	51 – 128	06/20/2024 19:36	
Dibromofluoromethane	1868-53-7	95.9%	62 – 123	06/20/2024 19:36	
Toluene-d8	2037-26-5	100%	59 – 131	06/20/2024 19:36	

### WET CHEMISTRY

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Moisture	23.0	P1,P2,P3	%	0.1	0.01	S2540G-11	1	06/13/2024 17:05	E1R	A
Total Solids	77.0	P1,P2,P3	%	0.1	0.01	S2540G-11	1	06/13/2024 17:05	E1R	A

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## Results

Client Sample ID	SB-31 (6-8)	Collected	06/07/2024 09:15
Lab Sample ID	3363931028	Lab Receipt	06/11/2024 15:50

### GASOLINE RANGE ORGANICS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Gasoline Range Organics	4.1J	J,P1,P2, P3,S9	mg/kg	13.3	2.3	SW846 8015D	100	06/20/2024 10:29	JTH	A1

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
a,a,a-Trifluorotoluene	98-08-8	85.7%	72 - 134	06/20/2024 10:29	

### PETROLEUM HC's

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Diesel Range Organics C10-C28	22.5	P1,P2,P 3,S9	mg/kg	12.7	3.5	SW846 8015D	1	06/22/2024 08:25	DXL	A

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
o-Terphenyl	84-15-1	86%	36 - 122	06/22/2024 08:25	

### SEMIVOLATILE SIM

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,4-Dioxane	0.0031U	U,P1,P2 ,P3,S9	mg/kg	0.0061	0.0031	SW846 8270E SIM	1	06/22/2024 22:07	M1O	A
1-Methylnaphthalene	0.046	P1,P2,P 3,S9	mg/kg	0.0061	0.0011	SW846 8270E SIM	1	06/22/2024 22:07	M1O	A
2-Methylnaphthalene	0.015	P1,P2,P 3,S9	mg/kg	0.0061	0.0016	SW846 8270E SIM	1	06/22/2024 22:07	M1O	A
Acenaphthene	0.0061J	J,P1,P2, P3,S9	mg/kg	0.0061	0.0011	SW846 8270E SIM	1	06/22/2024 22:07	M1O	A
Acenaphthylene	0.0011U	U,P1,P2 ,P3,S9	mg/kg	0.0061	0.0011	SW846 8270E SIM	1	06/22/2024 22:07	M1O	A
Anthracene	0.00098U	U,P1,P2 ,P3,S9	mg/kg	0.0061	0.00098	SW846 8270E SIM	1	06/22/2024 22:07	M1O	A
Benzo(a)anthracene	0.00098U	U,P1,P2 ,P3,S9	mg/kg	0.0061	0.00098	SW846 8270E SIM	1	06/22/2024 22:07	M1O	A
Benzo(a)pyrene	0.00098U	U,37,P1, P2,P3,S 9	mg/kg	0.0061	0.00098	SW846 8270E SIM	1	06/22/2024 22:07	M1O	A
Benzo(b)fluoranthene	0.00098U	U,P1,P2 ,P3,S9	mg/kg	0.0061	0.00098	SW846 8270E SIM	1	06/22/2024 22:07	M1O	A
Benzo(g,h,i)perylene	0.0012U	U,38,P1, P2,P3,S 9	mg/kg	0.0061	0.0012	SW846 8270E SIM	1	06/22/2024 22:07	M1O	A
Benzo(k)fluoranthene	0.0011U	U,P1,P2 ,P3,S9	mg/kg	0.0061	0.0011	SW846 8270E SIM	1	06/22/2024 22:07	M1O	A
Chrysene	0.0011U	U,P1,P2 ,P3,S9	mg/kg	0.0061	0.0011	SW846 8270E SIM	1	06/22/2024 22:07	M1O	A
Dibenzo(a,h)anthracene	0.00086U	U,39,P1, P2,P3,S 9	mg/kg	0.0061	0.00086	SW846 8270E SIM	1	06/22/2024 22:07	M1O	A
Fluoranthene	0.0011U	U,P1,P2 ,P3,S9	mg/kg	0.0061	0.0011	SW846 8270E SIM	1	06/22/2024 22:07	M1O	A
Fluorene	0.0012U	U,P1,P2 ,P3,S9	mg/kg	0.0061	0.0012	SW846 8270E SIM	1	06/22/2024 22:07	M1O	A
Indeno(1,2,3-cd)pyrene	0.00098U	U,P1,P2 ,P3,S9	mg/kg	0.0061	0.00098	SW846 8270E SIM	1	06/22/2024 22:07	M1O	A
Naphthalene	0.035	P1,P2,P 3,S9	mg/kg	0.0061	0.0013	SW846 8270E SIM	1	06/22/2024 22:07	M1O	A





## Results

Client Sample ID	SB-31 (6-8)	Collected	06/07/2024 09:15
Lab Sample ID	3363931028	Lab Receipt	06/11/2024 15:50

### SEMIVOLATILE SIM (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Phenanthrene	0.0096	P1,P2,P3,S9	mg/kg	0.0061	0.0013	SW846 8270E SIM	1	06/22/2024 22:07	M1O	A
Pyrene	0.00098U	U,P1,P2,P3,S9	mg/kg	0.0061	0.00098	SW846 8270E SIM	1	06/22/2024 22:07	M1O	A

### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
2-Methylnaphthalene-d10	7297-45-2	80.8%	50 - 150	06/22/2024 22:07	
Fluoranthene-d10	93951-69-0	89.6%	50 - 150	06/22/2024 22:07	

### SEMIVOLATILES

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1-Methylnaphthalene	0.045J	J,P1,P2,P3,S9	mg/kg	0.12	0.021	SW846 8270E	1	06/20/2024 09:03	S7M	A
2-Methylnaphthalene	0.021U	U,P1,P2,P3,S9	mg/kg	0.12	0.021	SW846 8270E	1	06/20/2024 09:03	S7M	A
Acenaphthene	0.021U	U,P1,P2,P3,S9	mg/kg	0.061	0.021	SW846 8270E	1	06/20/2024 09:03	S7M	A
Acenaphthylene	0.021U	U,P1,P2,P3,S9	mg/kg	0.061	0.021	SW846 8270E	1	06/20/2024 09:03	S7M	A
Anthracene	0.021U	U,P1,P2,P3,S9	mg/kg	0.061	0.021	SW846 8270E	1	06/20/2024 09:03	S7M	A
Benzo(a)anthracene	0.021U	U,P1,P2,P3,S9	mg/kg	0.061	0.021	SW846 8270E	1	06/20/2024 09:03	S7M	A
Benzo(a)pyrene	0.021U	U,P1,P2,P3,S9	mg/kg	0.061	0.021	SW846 8270E	1	06/20/2024 09:03	S7M	A
Benzo(b)fluoranthene	0.021U	U,P1,P2,P3,S9	mg/kg	0.061	0.021	SW846 8270E	1	06/20/2024 09:03	S7M	A
Benzo(g,h,i)perylene	0.021U	U,P1,P2,P3,S9	mg/kg	0.061	0.021	SW846 8270E	1	06/20/2024 09:03	S7M	A
Benzo(k)fluoranthene	0.021U	U,P1,P2,P3,S9	mg/kg	0.061	0.021	SW846 8270E	1	06/20/2024 09:03	S7M	A
Carbazole	0.021U	U,P1,P2,P3,S9	mg/kg	0.12	0.021	SW846 8270E	1	06/20/2024 09:03	S7M	A
Chrysene	0.021U	U,P1,P2,P3,S9	mg/kg	0.061	0.021	SW846 8270E	1	06/20/2024 09:03	S7M	A
Dibenzo(a,h)anthracene	0.021U	U,P1,P2,P3,S9	mg/kg	0.061	0.021	SW846 8270E	1	06/20/2024 09:03	S7M	A
Dibenzofuran	0.021U	U,P1,P2,P3,S9	mg/kg	0.12	0.021	SW846 8270E	1	06/20/2024 09:03	S7M	A
Fluoranthene	0.021U	U,P1,P2,P3,S9	mg/kg	0.061	0.021	SW846 8270E	1	06/20/2024 09:03	S7M	A
Fluorene	0.021U	U,P1,P2,P3,S9	mg/kg	0.061	0.021	SW846 8270E	1	06/20/2024 09:03	S7M	A
Indeno(1,2,3-cd)pyrene	0.021U	U,P1,P2,P3,S9	mg/kg	0.061	0.021	SW846 8270E	1	06/20/2024 09:03	S7M	A
Naphthalene	0.035J	J,P1,P2,P3,S9	mg/kg	0.061	0.021	SW846 8270E	1	06/20/2024 09:03	S7M	A
Phenanthrene	0.021U	U,P1,P2,P3,S9	mg/kg	0.061	0.021	SW846 8270E	1	06/20/2024 09:03	S7M	A
Pyrene	0.021U	U,P1,P2,P3,S9	mg/kg	0.061	0.021	SW846 8270E	1	06/20/2024 09:03	S7M	A

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**Results**

Client Sample ID	SB-31 (6-8)	Collected	06/07/2024 09:15
Lab Sample ID	3363931028	Lab Receipt	06/11/2024 15:50

**SEMIVOLATILES (cont.)**

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
<i>SURROGATES</i>										
Compound	CAS No			Recovery		Limits(%)		Analysis Date/Time		Qualifiers
2,4,6-Tribromophenol	118-79-6			92.3%		19 - 132		06/20/2024 09:03		
2-Fluorobiphenyl	321-60-8			74%		40 - 110		06/20/2024 09:03		
2-Fluorophenol	367-12-4			65%		26 - 116		06/20/2024 09:03		
Nitrobenzene-d5	4165-60-0			74.7%		38 - 112		06/20/2024 09:03		
Phenol-d5	4165-62-2			68.3%		35 - 111		06/20/2024 09:03		
Terphenyl-d14	98904-43-9			97.9%		45 - 126		06/20/2024 09:03		

**VOLATILE ORGANICS**

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1-Trichloroethane	0.015U	U,P1,P2 ,P3,S9	mg/kg	0.066	0.015	SW846 8260D	50	06/20/2024 23:21	BST	A1
1,1,2,2-Tetrachloroethane	0.023U	U,P1,P2 ,P3,S9	mg/kg	0.066	0.023	SW846 8260D	50	06/20/2024 23:21	BST	A1
1,1,2-Trichloroethane	0.022U	U,P1,P2 ,P3,S9	mg/kg	0.066	0.022	SW846 8260D	50	06/20/2024 23:21	BST	A1
1,1-Dichloroethane	0.019U	U,P1,P2 ,P3,S9	mg/kg	0.066	0.019	SW846 8260D	50	06/20/2024 23:21	BST	A1
1,1-Dichloroethene	0.019U	U,P1,P2 ,P3,S9	mg/kg	0.066	0.019	SW846 8260D	50	06/20/2024 23:21	BST	A1
1,1-Dichloropropene	0.018U	U,P1,P2 ,P3,S9	mg/kg	0.066	0.018	SW846 8260D	50	06/20/2024 23:21	BST	A1
1,2,3-Trichlorobenzene	0.062U	U,P1,P2 ,P3,S9	mg/kg	0.13	0.062	SW846 8260D	50	06/20/2024 23:21	BST	A1
1,2,3-Trichloropropane	0.040U	U,P1,P2 ,P3,S9	mg/kg	0.13	0.040	SW846 8260D	50	06/20/2024 23:21	BST	A1
1,2,4-Trichlorobenzene	0.054U	U,P1,P2 ,P3,S9	mg/kg	0.13	0.054	SW846 8260D	50	06/20/2024 23:21	BST	A1
1,2,4-Trimethylbenzene	0.017U	U,P1,P2 ,P3,S9	mg/kg	0.066	0.017	SW846 8260D	50	06/20/2024 23:21	BST	A1
1,2-Dibromo-3-chloropropane	0.099U	U,P1,P2 ,P3,S9	mg/kg	0.46	0.099	SW846 8260D	50	06/20/2024 23:21	BST	A1
1,2-Dibromoethane	0.019U	U,P1,P2 ,P3,S9	mg/kg	0.066	0.019	SW846 8260D	50	06/20/2024 23:21	BST	A1
1,2-Dichlorobenzene	0.025U	U,P1,P2 ,P3,S9	mg/kg	0.066	0.025	SW846 8260D	50	06/20/2024 23:21	BST	A1
1,2-Dichloroethane	0.021U	U,P1,P2 ,P3,S9	mg/kg	0.066	0.021	SW846 8260D	50	06/20/2024 23:21	BST	A1
1,2-Dichloropropane	0.016U	U,P1,P2 ,P3,S9	mg/kg	0.066	0.016	SW846 8260D	50	06/20/2024 23:21	BST	A1
1,3,5-Trimethylbenzene	0.013U	U,P1,P2 ,P3,S9	mg/kg	0.066	0.013	SW846 8260D	50	06/20/2024 23:21	BST	A1
1,3-Dichlorobenzene	0.017U	U,P1,P2 ,P3,S9	mg/kg	0.066	0.017	SW846 8260D	50	06/20/2024 23:21	BST	A1
1,3-Dichloropropane	0.018U	U,P1,P2 ,P3,S9	mg/kg	0.066	0.018	SW846 8260D	50	06/20/2024 23:21	BST	A1
1,4-Dichlorobenzene	0.018U	U,P1,P2 ,P3,S9	mg/kg	0.066	0.018	SW846 8260D	50	06/20/2024 23:21	BST	A1
2,2-Dichloropropane	0.021U	U,P1,P2 ,P3,S9	mg/kg	0.066	0.021	SW846 8260D	50	06/20/2024 23:21	BST	A1
2-Butanone	0.12U	U,P1,P2 ,P3,S9	mg/kg	0.66	0.12	SW846 8260D	50	06/20/2024 23:21	BST	A1
2-Hexanone	0.086U	U,P1,P2 ,P3,S9	mg/kg	0.33	0.086	SW846 8260D	50	06/20/2024 23:21	BST	A1
4-Methyl-2-Pentanone(MIBK)	0.099U	U,P1,P2 ,P3,S9	mg/kg	0.33	0.099	SW846 8260D	50	06/20/2024 23:21	BST	A1
Acetone	0.21U	U,P1,P2 ,P3,S9	mg/kg	0.66	0.21	SW846 8260D	50	06/20/2024 23:21	BST	A1
Benzene	0.015U	U,P1,P2 ,P3,S9	mg/kg	0.066	0.015	SW846 8260D	50	06/20/2024 23:21	BST	A1



**Results**

Client Sample ID	SB-31 (6-8)	Collected	06/07/2024 09:15
Lab Sample ID	3363931028	Lab Receipt	06/11/2024 15:50

**VOLATILE ORGANICS (cont.)**

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Bromobenzene	0.021U	U,P1,P2 ,P3,S9	mg/kg	0.066	0.021	SW846 8260D	50	06/20/2024 23:21	BST	A1
Bromochloromethane	0.021U	U,P1,P2 ,P3,S9	mg/kg	0.066	0.021	SW846 8260D	50	06/20/2024 23:21	BST	A1
Bromodichloromethane	0.018U	U,P1,P2 ,P3,S9	mg/kg	0.066	0.018	SW846 8260D	50	06/20/2024 23:21	BST	A1
Bromoform	0.027U	U,P1,P2 ,P3,S9	mg/kg	0.066	0.027	SW846 8260D	50	06/20/2024 23:21	BST	A1
Bromomethane	0.026U	U,P1,P2 ,P3,S9	mg/kg	0.066	0.026	SW846 8260D	50	06/20/2024 23:21	BST	A1
Carbon Disulfide	0.015U	U,P1,P2 ,P3,S9	mg/kg	0.066	0.015	SW846 8260D	50	06/20/2024 23:21	BST	A1
Carbon Tetrachloride	0.021U	U,19,P1, P2,P3,S 9	mg/kg	0.066	0.021	SW846 8260D	50	06/20/2024 23:21	BST	A1
Chlorobenzene	0.013U	U,P1,P2 ,P3,S9	mg/kg	0.066	0.013	SW846 8260D	50	06/20/2024 23:21	BST	A1
Chlorodibromomethane	0.030U	U,P1,P2 ,P3,S9	mg/kg	0.066	0.030	SW846 8260D	50	06/20/2024 23:21	BST	A1
Chloroethane	0.022U	U,P1,P2 ,P3,S9	mg/kg	0.066	0.022	SW846 8260D	50	06/20/2024 23:21	BST	A1
Chloroform	0.022J	J,P1,P2, P3,S9	mg/kg	0.066	0.014	SW846 8260D	50	06/20/2024 23:21	BST	A1
Chloromethane	0.021U	U,P1,P2 ,P3,S9	mg/kg	0.066	0.021	SW846 8260D	50	06/20/2024 23:21	BST	A1
cis-1,2-Dichloroethene	0.021U	U,P1,P2 ,P3,S9	mg/kg	0.066	0.021	SW846 8260D	50	06/20/2024 23:21	BST	A1
cis-1,3-Dichloropropene	0.021U	U,P1,P2 ,P3,S9	mg/kg	0.066	0.021	SW846 8260D	50	06/20/2024 23:21	BST	A1
Dibromomethane	0.021U	U,P1,P2 ,P3,S9	mg/kg	0.066	0.021	SW846 8260D	50	06/20/2024 23:21	BST	A1
Dichlorodifluoromethane	0.022U	U,P1,P2 ,P3,S9	mg/kg	0.066	0.022	SW846 8260D	50	06/20/2024 23:21	BST	A1
Ethylbenzene	0.023U	U,P1,P2 ,P3,S9	mg/kg	0.066	0.023	SW846 8260D	50	06/20/2024 23:21	BST	A1
Freon 113	0.017U	U,P1,P2 ,P3,S9	mg/kg	0.066	0.017	SW846 8260D	50	06/20/2024 23:21	BST	A1
Hexachlorobutadiene	0.066U	U,P1,P2 ,P3,S9	mg/kg	0.33	0.066	SW846 8260D	50	06/20/2024 23:21	BST	A1
Isopropylbenzene	0.022J	J,P1,P2, P3,S9	mg/kg	0.066	0.015	SW846 8260D	50	06/20/2024 23:21	BST	A1
Methyl t-Butyl Ether	0.022U	U,P1,P2 ,P3,S9	mg/kg	0.066	0.022	SW846 8260D	50	06/20/2024 23:21	BST	A1
Methylene Chloride	0.030U	U,P1,P2 ,P3,S9	mg/kg	0.066	0.030	SW846 8260D	50	06/20/2024 23:21	BST	A1
mp-Xylene	0.034U	U,P1,P2 ,P3,S9	mg/kg	0.13	0.034	SW846 8260D	50	06/20/2024 23:21	BST	A1
Naphthalene	0.023U	U,P1,P2 ,P3,S9	mg/kg	0.13	0.023	SW846 8260D	50	06/20/2024 23:21	BST	A1
n-Butylbenzene	0.040U	U,P1,P2 ,P3,S9	mg/kg	0.13	0.040	SW846 8260D	50	06/20/2024 23:21	BST	A1
n-Propylbenzene	0.061J	J,P1,P2, P3,S9	mg/kg	0.066	0.022	SW846 8260D	50	06/20/2024 23:21	BST	A1
o-Chlorotoluene	0.017U	U,P1,P2 ,P3,S9	mg/kg	0.066	0.017	SW846 8260D	50	06/20/2024 23:21	BST	A1
o-Xylene	0.022U	U,P1,P2 ,P3,S9	mg/kg	0.066	0.022	SW846 8260D	50	06/20/2024 23:21	BST	A1
p-Chlorotoluene	0.022U	U,P1,P2 ,P3,S9	mg/kg	0.066	0.022	SW846 8260D	50	06/20/2024 23:21	BST	A1
p-Isopropyltoluene	0.021U	U,P1,P2 ,P3,S9	mg/kg	0.066	0.021	SW846 8260D	50	06/20/2024 23:21	BST	A1
sec-Butylbenzene	0.021U	U,P1,P2 ,P3,S9	mg/kg	0.066	0.021	SW846 8260D	50	06/20/2024 23:21	BST	A1
Styrene	0.016U	U,P1,P2 ,P3,S9	mg/kg	0.066	0.016	SW846 8260D	50	06/20/2024 23:21	BST	A1
tert-Butylbenzene	0.029U	U,P1,P2 ,P3,S9	mg/kg	0.13	0.029	SW846 8260D	50	06/20/2024 23:21	BST	A1
Tetrachloroethene	0.023U	U,P1,P2 ,P3,S9	mg/kg	0.066	0.023	SW846 8260D	50	06/20/2024 23:21	BST	A1
Toluene	0.016J	J,P1,P2, P3,S9	mg/kg	0.066	0.015	SW846 8260D	50	06/20/2024 23:21	BST	A1

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## Results

Client Sample ID	SB-31 (6-8)	Collected	06/07/2024 09:15
Lab Sample ID	3363931028	Lab Receipt	06/11/2024 15:50

### VOLATILE ORGANICS (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Total Xylenes	0.044U	U,P1,P2,P3,S9	mg/kg	0.20	0.044	SW846 8260D	50	06/20/2024 23:21	BST	A1
trans-1,2-Dichloroethene	0.017U	U,P1,P2,P3,S9	mg/kg	0.066	0.017	SW846 8260D	50	06/20/2024 23:21	BST	A1
trans-1,3-Dichloropropene	0.019U	U,P1,P2,P3,S9	mg/kg	0.066	0.019	SW846 8260D	50	06/20/2024 23:21	BST	A1
Trichloroethene	0.022U	U,P1,P2,P3,S9	mg/kg	0.066	0.022	SW846 8260D	50	06/20/2024 23:21	BST	A1
Trichlorofluoromethane	0.016U	U,P1,P2,P3,S9	mg/kg	0.066	0.016	SW846 8260D	50	06/20/2024 23:21	BST	A1
Vinyl Chloride	0.020U	U,P1,P2,P3,S9	mg/kg	0.066	0.020	SW846 8260D	50	06/20/2024 23:21	BST	A1

### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	96%	71 - 146	06/20/2024 23:21	
4-Bromofluorobenzene	460-00-4	100%	46 - 138	06/20/2024 23:21	
Dibromofluoromethane	1868-53-7	78.9%	42 - 143	06/20/2024 23:21	
Toluene-d8	2037-26-5	103%	54 - 141	06/20/2024 23:21	

### WET CHEMISTRY

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Moisture	20.1	P1,P2,P3,S9	%	0.1	0.01	S2540G-11	1	06/13/2024 17:05	E1R	A
Total Solids	79.9	P1,P2,P3,S9	%	0.1	0.01	S2540G-11	1	06/13/2024 17:05	E1R	A

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## Results

Client Sample ID	DUP 6724	Collected	06/07/2024 00:00
Lab Sample ID	3363931029	Lab Receipt	06/11/2024 15:50

### GASOLINE RANGE ORGANICS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Gasoline Range Organics	2.4J	J,P1,P2,P3	mg/kg	12.0	2.0	SW846 8015D	100	06/20/2024 10:55	JTH	A1

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
a,a,a-Trifluorotoluene	98-08-8	80.1%	72 - 134	06/20/2024 10:55	

### PETROLEUM HC's

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Diesel Range Organics C10-C28	21.2	P1,P2,P3	mg/kg	12.2	3.3	SW846 8015D	1	06/22/2024 08:57	DXL	A

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
o-Terphenyl	84-15-1	90.4%	36 - 122	06/22/2024 08:57	

### SEMIVOLATILE SIM

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,4-Dioxane	0.0029U	U,P1,P2,P3	mg/kg	0.0057	0.0029	SW846 8270E SIM	1	06/22/2024 23:28	M1O	B
1-Methylnaphthalene	0.018	P1,P2,P3	mg/kg	0.0057	0.0010	SW846 8270E SIM	1	06/22/2024 23:28	M1O	B
2-Methylnaphthalene	0.0080	P1,P2,P3	mg/kg	0.0057	0.0015	SW846 8270E SIM	1	06/22/2024 23:28	M1O	B
Acenaphthene	0.0040J	J,P1,P2,P3	mg/kg	0.0057	0.0010	SW846 8270E SIM	1	06/22/2024 23:28	M1O	B
Acenaphthylene	0.0010U	U,P1,P2,P3	mg/kg	0.0057	0.0010	SW846 8270E SIM	1	06/22/2024 23:28	M1O	B
Anthracene	0.00092U	U,P1,P2,P3	mg/kg	0.0057	0.00092	SW846 8270E SIM	1	06/22/2024 23:28	M1O	B
Benzo(a)anthracene	0.00092U	U,P1,P2,P3	mg/kg	0.0057	0.00092	SW846 8270E SIM	1	06/22/2024 23:28	M1O	B
Benzo(a)pyrene	0.00092U	U,37,P1,P2,P3	mg/kg	0.0057	0.00092	SW846 8270E SIM	1	06/22/2024 23:28	M1O	B
Benzo(b)fluoranthene	0.00092U	U,P1,P2,P3	mg/kg	0.0057	0.00092	SW846 8270E SIM	1	06/22/2024 23:28	M1O	B
Benzo(g,h,i)perylene	0.0011U	U,38,P1,P2,P3	mg/kg	0.0057	0.0011	SW846 8270E SIM	1	06/22/2024 23:28	M1O	B
Benzo(k)fluoranthene	0.0010U	U,P1,P2,P3	mg/kg	0.0057	0.0010	SW846 8270E SIM	1	06/22/2024 23:28	M1O	B
Chrysene	0.0010U	U,P1,P2,P3	mg/kg	0.0057	0.0010	SW846 8270E SIM	1	06/22/2024 23:28	M1O	B
Dibenzo(a,h)anthracene	0.00080U	U,39,P1,P2,P3	mg/kg	0.0057	0.00080	SW846 8270E SIM	1	06/22/2024 23:28	M1O	B
Fluoranthene	0.0010U	U,P1,P2,P3	mg/kg	0.0057	0.0010	SW846 8270E SIM	1	06/22/2024 23:28	M1O	B
Fluorene	0.0011U	U,P1,P2,P3	mg/kg	0.0057	0.0011	SW846 8270E SIM	1	06/22/2024 23:28	M1O	B
Indeno(1,2,3-cd)pyrene	0.00092U	U,P1,P2,P3	mg/kg	0.0057	0.00092	SW846 8270E SIM	1	06/22/2024 23:28	M1O	B
Naphthalene	0.012	P1,P2,P3	mg/kg	0.0057	0.0013	SW846 8270E SIM	1	06/22/2024 23:28	M1O	B
Phenanthrene	0.0061	P1,P2,P3	mg/kg	0.0057	0.0013	SW846 8270E SIM	1	06/22/2024 23:28	M1O	B



## Results

Client Sample ID	DUP 6724	Collected	06/07/2024 00:00
Lab Sample ID	3363931029	Lab Receipt	06/11/2024 15:50

### SEMIVOLATILE SIM (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Pyrene	0.00092U	U,P1,P2 ,P3	mg/kg	0.0057	0.00092	SW846 8270E SIM	1	06/22/2024 23:28	M1O	B

#### SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
2-Methylnaphthalene-d10	7297-45-2	83.5%	50 - 150	06/22/2024 23:28	
Fluoranthene-d10	93951-69-0	90.6%	50 - 150	06/22/2024 23:28	

### SEMIVOLATILES

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1-Methylnaphthalene	0.019U	U,P1,P2 ,P3	mg/kg	0.11	0.019	SW846 8270E	1	06/20/2024 09:28	S7M	B
2-Methylnaphthalene	0.019U	U,P1,P2 ,P3	mg/kg	0.11	0.019	SW846 8270E	1	06/20/2024 09:28	S7M	B
Acenaphthene	0.019U	U,P1,P2 ,P3	mg/kg	0.057	0.019	SW846 8270E	1	06/20/2024 09:28	S7M	B
Acenaphthylene	0.019U	U,P1,P2 ,P3	mg/kg	0.057	0.019	SW846 8270E	1	06/20/2024 09:28	S7M	B
Anthracene	0.019U	U,P1,P2 ,P3	mg/kg	0.057	0.019	SW846 8270E	1	06/20/2024 09:28	S7M	B
Benzo(a)anthracene	0.019U	U,P1,P2 ,P3	mg/kg	0.057	0.019	SW846 8270E	1	06/20/2024 09:28	S7M	B
Benzo(a)pyrene	0.019U	U,P1,P2 ,P3	mg/kg	0.057	0.019	SW846 8270E	1	06/20/2024 09:28	S7M	B
Benzo(b)fluoranthene	0.019U	U,P1,P2 ,P3	mg/kg	0.057	0.019	SW846 8270E	1	06/20/2024 09:28	S7M	B
Benzo(g,h,i)perylene	0.019U	U,P1,P2 ,P3	mg/kg	0.057	0.019	SW846 8270E	1	06/20/2024 09:28	S7M	B
Benzo(k)fluoranthene	0.019U	U,P1,P2 ,P3	mg/kg	0.057	0.019	SW846 8270E	1	06/20/2024 09:28	S7M	B
Carbazole	0.019U	U,P1,P2 ,P3	mg/kg	0.11	0.019	SW846 8270E	1	06/20/2024 09:28	S7M	B
Chrysene	0.019U	U,P1,P2 ,P3	mg/kg	0.057	0.019	SW846 8270E	1	06/20/2024 09:28	S7M	B
Dibenzo(a,h)anthracene	0.019U	U,P1,P2 ,P3	mg/kg	0.057	0.019	SW846 8270E	1	06/20/2024 09:28	S7M	B
Dibenzofuran	0.019U	U,P1,P2 ,P3	mg/kg	0.11	0.019	SW846 8270E	1	06/20/2024 09:28	S7M	B
Fluoranthene	0.019U	U,P1,P2 ,P3	mg/kg	0.057	0.019	SW846 8270E	1	06/20/2024 09:28	S7M	B
Fluorene	0.019U	U,P1,P2 ,P3	mg/kg	0.057	0.019	SW846 8270E	1	06/20/2024 09:28	S7M	B
Indeno(1,2,3-cd)pyrene	0.019U	U,P1,P2 ,P3	mg/kg	0.057	0.019	SW846 8270E	1	06/20/2024 09:28	S7M	B
Naphthalene	0.019U	U,P1,P2 ,P3	mg/kg	0.057	0.019	SW846 8270E	1	06/20/2024 09:28	S7M	B
Phenanthrene	0.019U	U,P1,P2 ,P3	mg/kg	0.057	0.019	SW846 8270E	1	06/20/2024 09:28	S7M	B
Pyrene	0.019U	U,P1,P2 ,P3	mg/kg	0.057	0.019	SW846 8270E	1	06/20/2024 09:28	S7M	B

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## Results

Client Sample ID	DUP 6724	Collected	06/07/2024 00:00
Lab Sample ID	3363931029	Lab Receipt	06/11/2024 15:50

### SEMIVOLATILES (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
<i>SURROGATES</i>										
Compound	CAS No			Recovery		Limits(%)		Analysis Date/Time		Qualifiers
2,4,6-Tribromophenol	118-79-6			91.2%		19 - 132		06/20/2024 09:28		
2-Fluorobiphenyl	321-60-8			76.2%		40 - 110		06/20/2024 09:28		
2-Fluorophenol	367-12-4			67.3%		26 - 116		06/20/2024 09:28		
Nitrobenzene-d5	4165-60-0			77.3%		38 - 112		06/20/2024 09:28		
Phenol-d5	4165-62-2			70.1%		35 - 111		06/20/2024 09:28		
Terphenyl-d14	98904-43-9			99.1%		45 - 126		06/20/2024 09:28		

### VOLATILE ORGANICS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1-Trichloroethane	0.00067U	U,P1,P2,P3	mg/kg	0.0021	0.00067	SW846 8260D	1	06/20/2024 19:10	TMP	A2
1,1,2,2-Tetrachloroethane	0.00060U	U,P1,P2,P3	mg/kg	0.0021	0.00060	SW846 8260D	1	06/20/2024 19:10	TMP	A2
1,1,2-Trichloroethane	0.00060U	U,P1,P2,P3	mg/kg	0.0021	0.00060	SW846 8260D	1	06/20/2024 19:10	TMP	A2
1,1-Dichloroethane	0.00054U	U,P1,P2,P3	mg/kg	0.0021	0.00054	SW846 8260D	1	06/20/2024 19:10	TMP	A2
1,1-Dichloroethene	0.00056U	U,P1,P2,P3	mg/kg	0.0021	0.00056	SW846 8260D	1	06/20/2024 19:10	TMP	A2
1,1-Dichloropropene	0.00054U	U,P1,P2,P3	mg/kg	0.0021	0.00054	SW846 8260D	1	06/20/2024 19:10	TMP	A2
1,2,3-Trichlorobenzene	0.00054U	U,P1,P2,P3	mg/kg	0.0054	0.00054	SW846 8260D	1	06/20/2024 19:10	TMP	A2
1,2,3-Trichloropropane	0.00054U	U,P1,P2,P3	mg/kg	0.0021	0.00054	SW846 8260D	1	06/20/2024 19:10	TMP	A2
1,2,4-Trichlorobenzene	0.00054U	U,P1,P2,P3	mg/kg	0.0054	0.00054	SW846 8260D	1	06/20/2024 19:10	TMP	A2
1,2,4-Trimethylbenzene	0.00058J	J,P1,P2,P3	mg/kg	0.0021	0.00054	SW846 8260D	1	06/20/2024 19:10	TMP	A2
1,2-Dibromo-3-chloropropane	0.00027U	U,P1,P2,P3	mg/kg	0.0021	0.00027	SW846 8260D	1	06/20/2024 19:10	TMP	A2
1,2-Dibromoethane	0.00058U	U,P1,P2,P3	mg/kg	0.0021	0.00058	SW846 8260D	1	06/20/2024 19:10	TMP	A2
1,2-Dichlorobenzene	0.00054U	U,P1,P2,P3	mg/kg	0.0021	0.00054	SW846 8260D	1	06/20/2024 19:10	TMP	A2
1,2-Dichloroethane	0.00054U	U,P1,P2,P3	mg/kg	0.0021	0.00054	SW846 8260D	1	06/20/2024 19:10	TMP	A2
1,2-Dichloropropane	0.00064U	U,P1,P2,P3	mg/kg	0.0021	0.00064	SW846 8260D	1	06/20/2024 19:10	TMP	A2
1,3,5-Trimethylbenzene	0.00054U	U,P1,P2,P3	mg/kg	0.0021	0.00054	SW846 8260D	1	06/20/2024 19:10	TMP	A2
1,3-Dichlorobenzene	0.00054U	U,P1,P2,P3	mg/kg	0.0021	0.00054	SW846 8260D	1	06/20/2024 19:10	TMP	A2
1,3-Dichloropropane	0.00089U	U,P1,P2,P3	mg/kg	0.0021	0.00089	SW846 8260D	1	06/20/2024 19:10	TMP	A2
1,4-Dichlorobenzene	0.00054U	U,P1,P2,P3	mg/kg	0.0021	0.00054	SW846 8260D	1	06/20/2024 19:10	TMP	A2
2,2-Dichloropropane	0.00054U	U,P1,P2,P3	mg/kg	0.0021	0.00054	SW846 8260D	1	06/20/2024 19:10	TMP	A2
2-Butanone	0.014	P1,P2,P3	mg/kg	0.011	0.0034	SW846 8260D	1	06/20/2024 19:10	TMP	A2
2-Hexanone	0.0030U	U,P1,P2,P3	mg/kg	0.011	0.0030	SW846 8260D	1	06/20/2024 19:10	TMP	A2
4-Methyl-2-Pentanone(MIBK)	0.0041U	U,P1,P2,P3	mg/kg	0.011	0.0041	SW846 8260D	1	06/20/2024 19:10	TMP	A2
Acetone	0.094	P1,P2,P3	mg/kg	0.011	0.0049	SW846 8260D	1	06/20/2024 19:10	TMP	A2
Benzene	0.00054U	U,P1,P2,P3	mg/kg	0.0021	0.00054	SW846 8260D	1	06/20/2024 19:10	TMP	A2





**Results**

Client Sample ID DUP 6724 Collected 06/07/2024 00:00  
 Lab Sample ID 3363931029 Lab Receipt 06/11/2024 15:50

**VOLATILE ORGANICS (cont.)**

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Bromobenzene	0.00054U	U,P1,P2,P3	mg/kg	0.0021	0.00054	SW846 8260D	1	06/20/2024 19:10	TMP	A2
Bromochloromethane	0.00054U	U,P1,P2,P3	mg/kg	0.0021	0.00054	SW846 8260D	1	06/20/2024 19:10	TMP	A2
Bromodichloromethane	0.00076U	U,P1,P2,P3	mg/kg	0.0021	0.00076	SW846 8260D	1	06/20/2024 19:10	TMP	A2
Bromoform	0.00056U	U,P1,P2,P3	mg/kg	0.0021	0.00056	SW846 8260D	1	06/20/2024 19:10	TMP	A2
Bromomethane	0.00056U	U,P1,P2,P3	mg/kg	0.0021	0.00056	SW846 8260D	1	06/20/2024 19:10	TMP	A2
Carbon Disulfide	0.00068U	U,P1,P2,P3	mg/kg	0.0021	0.00068	SW846 8260D	1	06/20/2024 19:10	TMP	A2
Carbon Tetrachloride	0.00055U	U,P1,P2,P3	mg/kg	0.0021	0.00055	SW846 8260D	1	06/20/2024 19:10	TMP	A2
Chlorobenzene	0.00055U	U,P1,P2,P3	mg/kg	0.0021	0.00055	SW846 8260D	1	06/20/2024 19:10	TMP	A2
Chlorodibromomethane	0.00073U	U,P1,P2,P3	mg/kg	0.0021	0.00073	SW846 8260D	1	06/20/2024 19:10	TMP	A2
Chloroethane	0.00091U	U,P1,P2,P3	mg/kg	0.0054	0.00091	SW846 8260D	1	06/20/2024 19:10	TMP	A2
Chloroform	0.00057U	U,P1,P2,P3	mg/kg	0.0021	0.00057	SW846 8260D	1	06/20/2024 19:10	TMP	A2
Chloromethane	0.00059U	U,P1,P2,P3	mg/kg	0.0021	0.00059	SW846 8260D	1	06/20/2024 19:10	TMP	A2
cis-1,2-Dichloroethene	0.00054U	U,P1,P2,P3	mg/kg	0.0021	0.00054	SW846 8260D	1	06/20/2024 19:10	TMP	A2
cis-1,3-Dichloropropene	0.00059U	U,P1,P2,P3	mg/kg	0.0021	0.00059	SW846 8260D	1	06/20/2024 19:10	TMP	A2
Dibromomethane	0.00077U	U,P1,P2,P3	mg/kg	0.0021	0.00077	SW846 8260D	1	06/20/2024 19:10	TMP	A2
Dichlorodifluoromethane	0.00072U	U,P1,P2,P3	mg/kg	0.0021	0.00072	SW846 8260D	1	06/20/2024 19:10	TMP	A2
Ethylbenzene	0.00073U	U,P1,P2,P3	mg/kg	0.0021	0.00073	SW846 8260D	1	06/20/2024 19:10	TMP	A2
Freon 113	0.00054U	U,42,43,P1,P2,P3	mg/kg	0.0021	0.00054	SW846 8260D	1	06/20/2024 19:10	TMP	A2
Hexachlorobutadiene	0.00054U	U,P1,P2,P3	mg/kg	0.0054	0.00054	SW846 8260D	1	06/20/2024 19:10	TMP	A2
Isopropylbenzene	0.0018J	J,P1,P2,P3	mg/kg	0.0021	0.00065	SW846 8260D	1	06/20/2024 19:10	TMP	A2
Methyl t-Butyl Ether	0.00054U	U,P1,P2,P3	mg/kg	0.0021	0.00054	SW846 8260D	1	06/20/2024 19:10	TMP	A2
Methylene Chloride	0.0026	P1,P2,P3	mg/kg	0.0021	0.00084	SW846 8260D	1	06/20/2024 19:10	TMP	A2
mp-Xylene	0.00089U	U,P1,P2,P3	mg/kg	0.0043	0.00089	SW846 8260D	1	06/20/2024 19:10	TMP	A2
Naphthalene	0.0069	P1,P2,P3	mg/kg	0.0021	0.00054	SW846 8260D	1	06/20/2024 19:10	TMP	A2
n-Butylbenzene	0.0020J	J,40,P1,P2,P3	mg/kg	0.0021	0.00054	SW846 8260D	1	06/20/2024 19:10	TMP	A2
n-Propylbenzene	0.0069	P1,P2,P3	mg/kg	0.0021	0.00054	SW846 8260D	1	06/20/2024 19:10	TMP	A2
o-Chlorotoluene	0.00054U	U,P1,P2,P3	mg/kg	0.0021	0.00054	SW846 8260D	1	06/20/2024 19:10	TMP	A2
o-Xylene	0.00062U	U,P1,P2,P3	mg/kg	0.0021	0.00062	SW846 8260D	1	06/20/2024 19:10	TMP	A2
p-Chlorotoluene	0.00054U	U,P1,P2,P3	mg/kg	0.0021	0.00054	SW846 8260D	1	06/20/2024 19:10	TMP	A2
p-Isopropyltoluene	0.00054U	U,P1,P2,P3	mg/kg	0.0021	0.00054	SW846 8260D	1	06/20/2024 19:10	TMP	A2
sec-Butylbenzene	0.0026	P1,P2,P3	mg/kg	0.0021	0.00054	SW846 8260D	1	06/20/2024 19:10	TMP	A2
Styrene	0.00054U	U,P1,P2,P3	mg/kg	0.0021	0.00054	SW846 8260D	1	06/20/2024 19:10	TMP	A2
tert-Butylbenzene	0.00059U	U,P1,P2,P3	mg/kg	0.0021	0.00059	SW846 8260D	1	06/20/2024 19:10	TMP	A2
Tetrachloroethene	0.00064U	U,P1,P2,P3	mg/kg	0.0021	0.00064	SW846 8260D	1	06/20/2024 19:10	TMP	A2
Toluene	0.00072U	U,P1,P2,P3	mg/kg	0.0021	0.00072	SW846 8260D	1	06/20/2024 19:10	TMP	A2

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**Results**

Client Sample ID	DUP 6724	Collected	06/07/2024 00:00
Lab Sample ID	3363931029	Lab Receipt	06/11/2024 15:50

**VOLATILE ORGANICS (cont.)**

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Total Xylenes	0.0015U	U,P1,P2,P3	mg/kg	0.0064	0.0015	SW846 8260D	1	06/20/2024 19:10	TMP	A2
trans-1,2-Dichloroethene	0.00056U	U,P1,P2,P3	mg/kg	0.0021	0.00056	SW846 8260D	1	06/20/2024 19:10	TMP	A2
trans-1,3-Dichloropropene	0.00062U	U,P1,P2,P3	mg/kg	0.0021	0.00062	SW846 8260D	1	06/20/2024 19:10	TMP	A2
Trichloroethene	0.00054U	U,P1,P2,P3	mg/kg	0.0021	0.00054	SW846 8260D	1	06/20/2024 19:10	TMP	A2
Trichlorofluoromethane	0.00054U	U,P1,P2,P3	mg/kg	0.0021	0.00054	SW846 8260D	1	06/20/2024 19:10	TMP	A2
Vinyl Chloride	0.00054U	U,P1,P2,P3	mg/kg	0.0021	0.00054	SW846 8260D	1	06/20/2024 19:10	TMP	A2

*SURROGATES*

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	110%	56 – 124	06/20/2024 19:10	
4-Bromofluorobenzene	460-00-4	91.5%	51 – 128	06/20/2024 19:10	
Dibromofluoromethane	1868-53-7	103%	62 – 123	06/20/2024 19:10	
Toluene-d8	2037-26-5	96.6%	59 – 131	06/20/2024 19:10	

**WET CHEMISTRY**

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Moisture	14.5	P1,P2,P3	%	0.1	0.01	S2540G-11	1	06/13/2024 17:05	E1R	A
Total Solids	85.5	P1,P2,P3	%	0.1	0.01	S2540G-11	1	06/13/2024 17:05	E1R	A

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**Results**

Client Sample ID	TRIP BLANK	Collected	06/07/2024 00:00
Lab Sample ID	3363931030	Lab Receipt	06/11/2024 15:50

**VOLATILE ORGANICS**

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1-Trichloroethane	0.00022U	U,P1,P2,P3	mg/L	0.0010	0.00022	SW846 8260D	1	06/20/2024 12:28	ADB	A
1,1,2,2-Tetrachloroethane	0.00034U	U,P1,P2,P3	mg/L	0.0010	0.00034	SW846 8260D	1	06/20/2024 12:28	ADB	A
1,1,2-Trichloroethane	0.00033U	U,P1,P2,P3	mg/L	0.0010	0.00033	SW846 8260D	1	06/20/2024 12:28	ADB	A
1,1-Dichloroethane	0.00028U	U,P1,P2,P3	mg/L	0.0010	0.00028	SW846 8260D	1	06/20/2024 12:28	ADB	A
1,1-Dichloroethene	0.00029U	U,P1,P2,P3	mg/L	0.0010	0.00029	SW846 8260D	1	06/20/2024 12:28	ADB	A
1,2,3-Trichlorobenzene	0.00093U	U,P1,P2,P3	mg/L	0.0020	0.00093	SW846 8260D	1	06/20/2024 12:28	ADB	A
1,2,3-Trichloropropane	0.00060U	U,P1,P2,P3	mg/L	0.0020	0.00060	SW846 8260D	1	06/20/2024 12:28	ADB	A
1,2,4-Trichlorobenzene	0.00082U	U,P1,P2,P3	mg/L	0.0020	0.00082	SW846 8260D	1	06/20/2024 12:28	ADB	A
1,2,4-Trimethylbenzene	0.00025U	U,P1,P2,P3	mg/L	0.0010	0.00025	SW846 8260D	1	06/20/2024 12:28	ADB	A
1,2-Dibromo-3-chloropropane	0.0015U	U,P1,P2,P3	mg/L	0.0070	0.0015	SW846 8260D	1	06/20/2024 12:28	ADB	A
1,2-Dibromoethane	0.00028U	U,P1,P2,P3	mg/L	0.0010	0.00028	SW846 8260D	1	06/20/2024 12:28	ADB	A
1,2-Dichlorobenzene	0.00038U	U,P1,P2,P3	mg/L	0.0010	0.00038	SW846 8260D	1	06/20/2024 12:28	ADB	A
1,2-Dichloroethane	0.00032U	U,P1,P2,P3	mg/L	0.0010	0.00032	SW846 8260D	1	06/20/2024 12:28	ADB	A
1,2-Dichloropropane	0.00024U	U,P1,P2,P3	mg/L	0.0010	0.00024	SW846 8260D	1	06/20/2024 12:28	ADB	A
1,3,5-Trimethylbenzene	0.00020U	U,P1,P2,P3	mg/L	0.0010	0.00020	SW846 8260D	1	06/20/2024 12:28	ADB	A
1,3-Dichlorobenzene	0.00025U	U,P1,P2,P3	mg/L	0.0010	0.00025	SW846 8260D	1	06/20/2024 12:28	ADB	A
1,4-Dichlorobenzene	0.00027U	U,P1,P2,P3	mg/L	0.0010	0.00027	SW846 8260D	1	06/20/2024 12:28	ADB	A
2-Butanone	0.039	P1,P2,P3	mg/L	0.010	0.0018	SW846 8260D	1	06/20/2024 12:28	ADB	A
2-Hexanone	0.0013U	U,P1,P2,P3	mg/L	0.0050	0.0013	SW846 8260D	1	06/20/2024 12:28	ADB	A
4-Methyl-2-Pentanone(MIBK)	0.0015U	U,P1,P2,P3	mg/L	0.0050	0.0015	SW846 8260D	1	06/20/2024 12:28	ADB	A
Acetone	0.028	P1,P2,P3	mg/L	0.010	0.0031	SW846 8260D	1	06/20/2024 12:28	ADB	A
Benzene	0.00023U	U,P1,P2,P3	mg/L	0.0010	0.00023	SW846 8260D	1	06/20/2024 12:28	ADB	A
Bromochloromethane	0.00032U	U,P1,P2,P3	mg/L	0.0010	0.00032	SW846 8260D	1	06/20/2024 12:28	ADB	A
Bromodichloromethane	0.00027U	U,P1,P2,P3	mg/L	0.0010	0.00027	SW846 8260D	1	06/20/2024 12:28	ADB	A
Bromoform	0.00040U	U,P1,P2,P3	mg/L	0.0010	0.00040	SW846 8260D	1	06/20/2024 12:28	ADB	A
Bromomethane	0.00040J	J,44,P1,P2,P3	mg/L	0.0010	0.00039	SW846 8260D	1	06/20/2024 12:28	ADB	A
Carbon Disulfide	0.00023U	U,P1,P2,P3	mg/L	0.0010	0.00023	SW846 8260D	1	06/20/2024 12:28	ADB	A
Carbon Tetrachloride	0.00031U	U,P1,P2,P3	mg/L	0.0010	0.00031	SW846 8260D	1	06/20/2024 12:28	ADB	A
Chlorobenzene	0.00019U	U,P1,P2,P3	mg/L	0.0010	0.00019	SW846 8260D	1	06/20/2024 12:28	ADB	A
Chlorodibromomethane	0.00045U	U,P1,P2,P3	mg/L	0.0010	0.00045	SW846 8260D	1	06/20/2024 12:28	ADB	A
Chloroethane	0.00033U	U,P1,P2,P3	mg/L	0.0010	0.00033	SW846 8260D	1	06/20/2024 12:28	ADB	A
Chloroform	0.00021U	U,P1,P2,P3	mg/L	0.0010	0.00021	SW846 8260D	1	06/20/2024 12:28	ADB	A
Chloromethane	0.00031U	U,P1,P2,P3	mg/L	0.0010	0.00031	SW846 8260D	1	06/20/2024 12:28	ADB	A
cis-1,2-Dichloroethene	0.00032U	U,P1,P2,P3	mg/L	0.0010	0.00032	SW846 8260D	1	06/20/2024 12:28	ADB	A
cis-1,3-Dichloropropene	0.00031U	U,P1,P2,P3	mg/L	0.0010	0.00031	SW846 8260D	1	06/20/2024 12:28	ADB	A
Cyclohexane	0.00029U	U,P1,P2,P3	mg/L	0.0010	0.00029	SW846 8260D	1	06/20/2024 12:28	ADB	A

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**Results**

Client Sample ID	TRIP BLANK	Collected	06/07/2024 00:00
Lab Sample ID	3363931030	Lab Receipt	06/11/2024 15:50

**VOLATILE ORGANICS (cont.)**

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Dichlorodifluoromethane	0.00033U	U,P1,P2,P3	mg/L	0.0010	0.00033	SW846 8260D	1	06/20/2024 12:28	ADB	A
Ethylbenzene	0.00034U	U,P1,P2,P3	mg/L	0.0010	0.00034	SW846 8260D	1	06/20/2024 12:28	ADB	A
Freon 113	0.00026U	U,P1,P2,P3	mg/L	0.0010	0.00026	SW846 8260D	1	06/20/2024 12:28	ADB	A
Isopropylbenzene	0.00022U	U,P1,P2,P3	mg/L	0.0010	0.00022	SW846 8260D	1	06/20/2024 12:28	ADB	A
Methyl acetate	0.00032U	U,P1,P2,P3	mg/L	0.0020	0.00032	SW846 8260D	1	06/20/2024 12:28	ADB	A
Methyl cyclohexane	0.00030U	U,P1,P2,P3	mg/L	0.0010	0.00030	SW846 8260D	1	06/20/2024 12:28	ADB	A
Methyl t-Butyl Ether	0.00033U	U,P1,P2,P3	mg/L	0.0010	0.00033	SW846 8260D	1	06/20/2024 12:28	ADB	A
Methylene Chloride	0.0030	P1,P2,P3	mg/L	0.0010	0.00045	SW846 8260D	1	06/20/2024 12:28	ADB	A
mp-Xylene	0.00052U	U,P1,P2,P3	mg/L	0.0020	0.00052	SW846 8260D	1	06/20/2024 12:28	ADB	A
o-Xylene	0.00033U	U,P1,P2,P3	mg/L	0.0010	0.00033	SW846 8260D	1	06/20/2024 12:28	ADB	A
Styrene	0.00024U	U,P1,P2,P3	mg/L	0.0010	0.00024	SW846 8260D	1	06/20/2024 12:28	ADB	A
Tetrachloroethene	0.00035U	U,P1,P2,P3	mg/L	0.0010	0.00035	SW846 8260D	1	06/20/2024 12:28	ADB	A
Toluene	0.00064J	J,P1,P2,P3	mg/L	0.0010	0.00023	SW846 8260D	1	06/20/2024 12:28	ADB	A
Total Xylenes	0.00066U	U,P1,P2,P3	mg/L	0.0030	0.00066	SW846 8260D	1	06/20/2024 12:28	ADB	A
trans-1,2-Dichloroethene	0.00026U	U,P1,P2,P3	mg/L	0.0010	0.00026	SW846 8260D	1	06/20/2024 12:28	ADB	A
trans-1,3-Dichloropropene	0.00029U	U,P1,P2,P3	mg/L	0.0010	0.00029	SW846 8260D	1	06/20/2024 12:28	ADB	A
Trichloroethene	0.00033U	U,P1,P2,P3	mg/L	0.0010	0.00033	SW846 8260D	1	06/20/2024 12:28	ADB	A
Trichlorofluoromethane	0.00024U	U,P1,P2,P3	mg/L	0.0010	0.00024	SW846 8260D	1	06/20/2024 12:28	ADB	A
Vinyl Chloride	0.00030U	U,P1,P2,P3	mg/L	0.0010	0.00030	SW846 8260D	1	06/20/2024 12:28	ADB	A

**SURROGATES**

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	114%	62 - 133	06/20/2024 12:28	
4-Bromofluorobenzene	460-00-4	94.3%	79 - 114	06/20/2024 12:28	
Dibromofluoromethane	1868-53-7	105%	78 - 116	06/20/2024 12:28	
Toluene-d8	2037-26-5	98.8%	76 - 127	06/20/2024 12:28	



### Sample - Method Cross Reference Table

Lab ID	Sample ID	Analysis Method	Preparation Method	Leachate Method
3363931001	SB-30 (4-6)	SW846 8015D	SW846 3546	
		SW846 8270E	SW846 3546	
		SW846 8270E SIM	SW846 3546	
		SW846 8015D	SW846 5035A	
		SW846 8260D	SW846 5035A	
		S2540G-11	N/A	
3363931002	SB-30 (6-8)	SW846 8015D	SW846 3546	
		SW846 8270E	SW846 3546	
		SW846 8270E SIM	SW846 3546	
		SW846 8015D	SW846 5035A	
		SW846 8260D	SW846 5035A	
		S2540G-11	N/A	
3363931003	SB-29 (2-4)	SW846 8015D	SW846 3546	
		SW846 8270E	SW846 3546	
		SW846 8270E SIM	SW846 3546	
		SW846 8015D	SW846 5035A	
		SW846 8260D	SW846 5035A	
		S2540G-11	N/A	
3363931004	SB-29 (4-6)	SW846 8015D	SW846 3546	
		SW846 8270E	SW846 3546	
		SW846 8270E SIM	SW846 3546	
		SW846 8015D	SW846 5035A	
		SW846 8260D	SW846 5035A	
		S2540G-11	N/A	
3363931005	SB-28 (4-6)	SW846 8015D	SW846 3546	
		SW846 8270E	SW846 3546	
		SW846 8270E SIM	SW846 3546	
		SW846 8015D	SW846 5035A	
		SW846 8260D	SW846 5035A	
		S2540G-11	N/A	
3363931006	SB-28 (6-8)	SW846 8015D	SW846 3546	
		SW846 8270E	SW846 3546	
		SW846 8270E SIM	SW846 3546	
		SW846 8015D	SW846 5035A	
		SW846 8260D	SW846 5035A	
		S2540G-11	N/A	
3363931007	SB-27 (4-6)	SW846 8015D	SW846 3546	
		SW846 8270E	SW846 3546	
		SW846 8270E SIM	SW846 3546	
		SW846 8015D	SW846 5035A	
		SW846 8260D	SW846 5035A	
		S2540G-11	N/A	
3363931008	SB-27 (6-8)	SW846 8015D	SW846 3546	
		SW846 8270E	SW846 3546	
		SW846 8270E SIM	SW846 3546	
		SW846 8015D	SW846 5035A	
		SW846 8260D	SW846 5035A	
		S2540G-11	N/A	
3363931009	HA-05 (0-2)	SW846 6010C	SW846 3051A	
		SW846 8015D	SW846 3546	
		S2540G-11	N/A	
3363931010	HA-04 (0-2)	SW846 6010C	SW846 3051A	
		SW846 8015D	SW846 3546	
		S2540G-11	N/A	



**Project** Parsons Env 2296.17  
**Workorder** 3363931

Lab ID	Sample ID	Analysis Method	Preparation Method	Leachate Method
3363931011	SB-36 (2-4)	SW846 8015D	SW846 3546	
		SW846 8270E	SW846 3546	
		SW846 8270E SIM	SW846 3546	
		SW846 8015D	SW846 5035A	
		SW846 8260D	SW846 5035A	
		S2540G-11	N/A	
3363931012	SB-36 (4-6)	SW846 8015D	SW846 3546	
		SW846 8270E	SW846 3546	
		SW846 8270E SIM	SW846 3546	
		SW846 8015D	SW846 5035A	
		SW846 8260D	SW846 5035A	
		S2540G-11	N/A	
3363931013	SB-35 (2-4)	SW846 8015D	SW846 3546	
		SW846 8270E	SW846 3546	
		SW846 8270E SIM	SW846 3546	
		SW846 8015D	SW846 5035A	
		SW846 8260D	SW846 5035A	
		S2540G-11	N/A	
3363931014	SB-35 (4-6)	SW846 8015D	SW846 3546	
		SW846 8270E	SW846 3546	
		SW846 8270E SIM	SW846 3546	
		SW846 8015D	SW846 5035A	
		SW846 8260D	SW846 5035A	
		S2540G-11	N/A	
3363931015	SB-34 (0-2)	SW846 8015D	SW846 3546	
		SW846 8270E	SW846 3546	
		SW846 8270E SIM	SW846 3546	
		SW846 8015D	SW846 5035A	
		SW846 8260D	SW846 5035A	
		S2540G-11	N/A	
3363931016	SB-34 (2-4)	SW846 8015D	SW846 3546	
		SW846 8270E	SW846 3546	
		SW846 8270E SIM	SW846 3546	
		SW846 8015D	SW846 5035A	
		SW846 8260D	SW846 5035A	
		S2540G-11	N/A	
3363931017	SB-32 (0-2)	SW846 8015D	SW846 3546	
		SW846 8270E	SW846 3546	
		SW846 8270E SIM	SW846 3546	
		SW846 8015D	SW846 5035A	
		SW846 8260D	SW846 5035A	
		S2540G-11	N/A	
3363931018	SB-32 (2-4)	SW846 8015D	SW846 3546	
		SW846 8270E	SW846 3546	
		SW846 8270E SIM	SW846 3546	
		SW846 8015D	SW846 5035A	
		SW846 8260D	SW846 5035A	
		S2540G-11	N/A	
3363931019	SB-33 (0-2)	SW846 8015D	SW846 3546	
		SW846 8270E	SW846 3546	
		SW846 8270E SIM	SW846 3546	
		SW846 8015D	SW846 5035A	
		SW846 8260D	SW846 5035A	
		S2540G-11	N/A	

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**Project** Parsons Env 2296.17  
**Workorder** 3363931

Lab ID	Sample ID	Analysis Method	Preparation Method	Leachate Method
3363931020	SB-33 (2-4)	SW846 8015D	SW846 3546	
		SW846 8270E	SW846 3546	
		SW846 8270E SIM	SW846 3546	
		SW846 8015D	SW846 5035A	
		SW846 8260D	SW846 5035A	
		S2540G-11	N/A	
3363931021	HA-03 (0-2)	SW846 6010C	SW846 3051A	
		S2540G-11	N/A	
3363931022	SB-25 (4-6)	SW846 8015D	SW846 3546	
		SW846 8270E	SW846 3546	
		SW846 8270E SIM	SW846 3546	
		SW846 8015D	SW846 5035A	
		SW846 8260D	SW846 5035A	
		S2540G-11	N/A	
3363931023	SB-25 (6-8)	SW846 8015D	SW846 3546	
		SW846 8270E	SW846 3546	
		SW846 8270E SIM	SW846 3546	
		SW846 8015D	SW846 5035A	
		SW846 8260D	SW846 5035A	
		S2540G-11	N/A	
3363931024	SB-26 (4-6)	SW846 8015D	SW846 3546	
		SW846 8270E	SW846 3546	
		SW846 8270E SIM	SW846 3546	
		SW846 8015D	SW846 5035A	
		SW846 8260D	SW846 5035A	
		S2540G-11	N/A	
3363931025	SB-26 (8-10)	SW846 8015D	SW846 3546	
		SW846 8270E	SW846 3546	
		SW846 8270E SIM	SW846 3546	
		SW846 8015D	SW846 5035A	
		SW846 8260D	SW846 5035A	
		S2540G-11	N/A	
3363931026	DUP 6524	SW846 8015D	SW846 3546	
		SW846 8270E	SW846 3546	
		SW846 8270E SIM	SW846 3546	
		SW846 8015D	SW846 5035A	
		SW846 8260D	SW846 5035A	
		S2540G-11	N/A	
3363931027	SB-31 (2-4)	SW846 8015D	SW846 3546	
		SW846 8270E	SW846 3546	
		SW846 8270E SIM	SW846 3546	
		SW846 8015D	SW846 5035A	
		SW846 8260D	SW846 5035A	
		S2540G-11	N/A	
3363931028	SB-31 (6-8)	SW846 8015D	SW846 3546	
		SW846 8270E	SW846 3546	
		SW846 8270E SIM	SW846 3546	
		SW846 8015D	SW846 5035A	
		SW846 8260D	SW846 5035A	
		S2540G-11	N/A	
3363931029	DUP 6724	SW846 8015D	SW846 3546	
		SW846 8270E	SW846 3546	
		SW846 8270E SIM	SW846 3546	
		SW846 8015D	SW846 5035A	
		SW846 8260D	SW846 5035A	
		S2540G-11	N/A	
3363931030	TRIP BLANK	SW846 8260D	N/A	

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**QUALITY CONTROL DATA CROSS REFERENCE TABLE**

Lab ID	Sample ID	Preparation Method	Prep Batch	Prep Date/Time	By	Analysis Method	Anly Batch
3363931001	SB-30 (4-6)	SW846 3546	1221724	06/17/2024 18:10	AT	SW846 8015D	1223593
		SW846 3546	1222123	06/16/2024 21:45	J1H	SW846 8270E	1246035
		SW846 3546	1223023	06/16/2024 21:45	J1H	SW846 8270E SIM	1246027
		SW846 5035A	1221633	06/14/2024 08:33	JTH	SW846 8015D	1221634
		SW846 5035A	1224279	06/14/2024 08:34	JTH	SW846 8260D	1224280
		N/A	N/A	N/A	N/A	S2540G-11	1221108
3363931002	SB-30 (6-8)	SW846 3546	1221724	06/17/2024 18:10	AT	SW846 8015D	1223593
		SW846 3546	1222123	06/16/2024 21:45	J1H	SW846 8270E	1246035
		SW846 3546	1223023	06/16/2024 21:45	J1H	SW846 8270E SIM	1246027
		SW846 5035A	1223810	06/17/2024 15:30	JTH	SW846 8015D	1223811
		SW846 5035A	1224279	06/17/2024 15:32	JTH	SW846 8260D	1224280
		N/A	N/A	N/A	N/A	S2540G-11	1221144
3363931003	SB-29 (2-4)	SW846 3546	1221724	06/17/2024 18:10	AT	SW846 8015D	1223593
		SW846 3546	1222123	06/16/2024 21:45	J1H	SW846 8270E	1246035
		SW846 3546	1223023	06/16/2024 21:45	J1H	SW846 8270E SIM	1246027
		SW846 5035A	1223810	06/17/2024 15:35	JTH	SW846 8015D	1223811
		SW846 5035A	1224279	06/17/2024 15:36	JTH	SW846 8260D	1224280
		N/A	N/A	N/A	N/A	S2540G-11	1221108
3363931004	SB-29 (4-6)	SW846 3546	1221724	06/17/2024 18:10	AT	SW846 8015D	1223593
		SW846 3546	1222123	06/16/2024 21:45	J1H	SW846 8270E	1246035
		SW846 3546	1223023	06/16/2024 21:45	J1H	SW846 8270E SIM	1246027
		SW846 5035A	1223810	06/17/2024 15:40	JTH	SW846 8015D	1223811
		SW846 5035A	1224279	06/17/2024 15:41	JTH	SW846 8260D	1224280
		N/A	N/A	N/A	N/A	S2540G-11	1221108
3363931005	SB-28 (4-6)	SW846 3546	1221815	06/19/2024 14:00	J1H	SW846 8015D	1224530
		SW846 3546	1222123	06/16/2024 21:45	J1H	SW846 8270E	1246035
		SW846 3546	1223023	06/16/2024 21:45	J1H	SW846 8270E SIM	1246027
		SW846 5035A	1224380	06/17/2024 15:44	JTH	SW846 8015D	1224382
		SW846 5035A	1224611	06/17/2024 15:44	JTH	SW846 8260D	1224612
		N/A	N/A	N/A	N/A	S2540G-11	1221144
3363931006	SB-28 (6-8)	SW846 3546	1221815	06/19/2024 14:00	J1H	SW846 8015D	1224530
		SW846 3546	1223160	06/19/2024 15:05	E1R	SW846 8270E	1246036
		SW846 3546	1223163	06/19/2024 15:05	E1R	SW846 8270E SIM	1246028
		SW846 5035A	1224632	06/17/2024 15:47	JTH	SW846 8015D	1224633
		SW846 5035A	1224611	06/17/2024 15:47	JTH	SW846 8260D	1224612
		N/A	N/A	N/A	N/A	S2540G-11	1221108
3363931007	SB-27 (4-6)	SW846 3546	1221815	06/19/2024 14:00	J1H	SW846 8015D	1224530
		SW846 3546	1223160	06/19/2024 15:05	E1R	SW846 8270E	1246036
		SW846 3546	1223163	06/19/2024 15:05	E1R	SW846 8270E SIM	1246028
		SW846 5035A	1224632	06/17/2024 15:51	JTH	SW846 8015D	1224633
		SW846 5035A	1224279	06/17/2024 15:52	JTH	SW846 8260D	1224280
		N/A	N/A	N/A	N/A	S2540G-11	1221144
3363931008	SB-27 (6-8)	SW846 3546	1221815	06/19/2024 14:00	J1H	SW846 8015D	1224530
		SW846 3546	1223160	06/19/2024 15:05	E1R	SW846 8270E	1246036
		SW846 3546	1223163	06/19/2024 15:05	E1R	SW846 8270E SIM	1246028
		SW846 5035A	1223810	06/17/2024 15:55	JTH	SW846 8015D	1223811
		SW846 5035A	1224279	06/17/2024 15:56	JTH	SW846 8260D	1224280
		N/A	N/A	N/A	N/A	S2540G-11	1221144
3363931009	HA-05 (0-2)	SW846 3051A	1235258	06/27/2024 10:40	MEM	SW846 6010C	1236120
		SW846 3546	1221815	06/19/2024 14:00	J1H	SW846 8015D	1224530
		N/A	N/A	N/A	N/A	S2540G-11	1221108
3363931010	HA-04 (0-2)	SW846 3051A	1235258	06/27/2024 10:40	MEM	SW846 6010C	1236120
		SW846 3546	1221815	06/19/2024 14:00	J1H	SW846 8015D	1224530
		N/A	N/A	N/A	N/A	S2540G-11	1221108
3363931011	SB-36 (2-4)	SW846 3546	1221815	06/19/2024 14:00	J1H	SW846 8015D	1224530
		SW846 3546	1223160	06/19/2024 15:05	E1R	SW846 8270E	1246036
		SW846 3546	1223163	06/19/2024 15:05	E1R	SW846 8270E SIM	1246028
		SW846 5035A	1223810	06/17/2024 16:07	JTH	SW846 8015D	1223811
		SW846 5035A	1224279	06/17/2024 16:08	JTH	SW846 8260D	1224280
		N/A	N/A	N/A	N/A	S2540G-11	1221108



Lab ID	Sample ID	Preparation Method	Prep Batch	Prep Date/Time	By	Analysis Method	Anly Batch
3363931012	SB-36 (4-6)	SW846 3546	1221815	06/19/2024 14:00	J1H	SW846 8015D	1224530
		SW846 3546	1223160	06/19/2024 15:05	E1R	SW846 8270E	1246036
		SW846 3546	1223163	06/19/2024 15:05	E1R	SW846 8270E SIM	1246028
		SW846 5035A	1224380	06/17/2024 16:10	JTH	SW846 8015D	1224382
		SW846 5035A	1224611	06/17/2024 16:10	JTH	SW846 8260D	1224612
		N/A	N/A	N/A		S2540G-11	1221108
3363931013	SB-35 (2-4)	SW846 3546	1221815	06/19/2024 14:00	J1H	SW846 8015D	1224530
		SW846 3546	1223160	06/19/2024 15:05	E1R	SW846 8270E	1246036
		SW846 3546	1223163	06/19/2024 15:05	E1R	SW846 8270E SIM	1246028
		SW846 5035A	1224632	06/17/2024 16:13	JTH	SW846 8015D	1224633
		SW846 5035A	1224611	06/17/2024 16:13	JTH	SW846 8260D	1224612
		N/A	N/A	N/A		S2540G-11	1221108
3363931014	SB-35 (4-6)	SW846 3546	1221815	06/19/2024 14:00	J1H	SW846 8015D	1224530
		SW846 3546	1223160	06/19/2024 15:05	E1R	SW846 8270E	1246036
		SW846 3546	1223163	06/19/2024 15:05	E1R	SW846 8270E SIM	1246028
		SW846 5035A	1224380	06/17/2024 16:16	JTH	SW846 8015D	1224382
		SW846 5035A	1224611	06/17/2024 16:16	JTH	SW846 8260D	1224612
		N/A	N/A	N/A		S2540G-11	1221108
3363931015	SB-34 (0-2)	SW846 3546	1221815	06/19/2024 14:00	J1H	SW846 8015D	1224530
		SW846 3546	1223160	06/19/2024 15:05	E1R	SW846 8270E	1246036
		SW846 3546	1223163	06/19/2024 15:05	E1R	SW846 8270E SIM	1246028
		SW846 5035A	1223810	06/17/2024 16:19	JTH	SW846 8015D	1223811
		SW846 5035A	1224279	06/17/2024 16:19	JTH	SW846 8260D	1224280
		N/A	N/A	N/A		S2540G-11	1221144
3363931016	SB-34 (2-4)	SW846 3546	1221815	06/19/2024 14:00	J1H	SW846 8015D	1224530
		SW846 3546	1223160	06/19/2024 15:05	E1R	SW846 8270E	1246036
		SW846 3546	1223163	06/19/2024 15:05	E1R	SW846 8270E SIM	1246028
		SW846 5035A	1223810	06/17/2024 16:22	JTH	SW846 8015D	1223811
		SW846 5035A	1224611	06/17/2024 16:22	JTH	SW846 8260D	1224612
		N/A	N/A	N/A		S2540G-11	1221144
3363931017	SB-32 (0-2)	SW846 3546	1221815	06/19/2024 14:00	J1H	SW846 8015D	1224530
		SW846 3546	1223160	06/19/2024 15:05	E1R	SW846 8270E	1246036
		SW846 3546	1223163	06/19/2024 15:05	E1R	SW846 8270E SIM	1246028
		SW846 5035A	1223810	06/17/2024 16:25	JTH	SW846 8015D	1223811
		SW846 5035A	1224279	06/17/2024 16:26	JTH	SW846 8260D	1224280
		N/A	N/A	N/A		S2540G-11	1221144
3363931018	SB-32 (2-4)	SW846 3546	1221815	06/19/2024 14:00	J1H	SW846 8015D	1224530
		SW846 3546	1223160	06/19/2024 15:05	E1R	SW846 8270E	1246036
		SW846 3546	1223163	06/19/2024 15:05	E1R	SW846 8270E SIM	1246028
		SW846 5035A	1224380	06/17/2024 16:28	JTH	SW846 8015D	1224382
		SW846 5035A	1224611	06/17/2024 16:28	JTH	SW846 8260D	1224612
		N/A	N/A	N/A		S2540G-11	1221144
3363931019	SB-33 (0-2)	SW846 3546	1221815	06/19/2024 14:00	J1H	SW846 8015D	1224530
		SW846 3546	1223160	06/19/2024 15:05	E1R	SW846 8270E	1246036
		SW846 3546	1223163	06/19/2024 15:05	E1R	SW846 8270E SIM	1246028
		SW846 5035A	1223810	06/17/2024 16:30	JTH	SW846 8015D	1223811
		SW846 5035A	1224279	06/17/2024 16:31	JTH	SW846 8260D	1224280
		N/A	N/A	N/A		S2540G-11	1221144
3363931020	SB-33 (2-4)	SW846 3546	1221815	06/19/2024 14:00	J1H	SW846 8015D	1224530
		SW846 3546	1223160	06/19/2024 15:05	E1R	SW846 8270E	1246036
		SW846 3546	1223163	06/19/2024 15:05	E1R	SW846 8270E SIM	1246028
		SW846 5035A	1223810	06/17/2024 16:33	JTH	SW846 8015D	1223811
		SW846 5035A	1224279	06/17/2024 16:34	JTH	SW846 8260D	1224280
		N/A	N/A	N/A		S2540G-11	1221144
3363931021	HA-03 (0-2)	SW846 3051A	1220946	06/13/2024 08:50	MEM	SW846 6010C	1224298
		N/A	N/A	N/A		S2540G-11	1221144
3363931022	SB-25 (4-6)	SW846 3546	1221815	06/19/2024 14:00	J1H	SW846 8015D	1224530
		SW846 3546	1223160	06/19/2024 15:05	E1R	SW846 8270E	1246036
		SW846 3546	1223163	06/19/2024 15:05	E1R	SW846 8270E SIM	1246028
		SW846 5035A	1223810	06/17/2024 16:41	JTH	SW846 8015D	1223811
		SW846 5035A	1224279	06/17/2024 16:42	JTH	SW846 8260D	1224280
		N/A	N/A	N/A		S2540G-11	1221144



Lab ID	Sample ID	Preparation Method	Prep Batch	Prep Date/Time	By	Analysis Method	Anly Batch
3363931023	SB-25 (6-8)	SW846 3546	1221815	06/19/2024 14:00	J1H	SW846 8015D	1224530
		SW846 3546	1223160	06/19/2024 15:05	E1R	SW846 8270E	1246036
		SW846 3546	1223163	06/19/2024 15:05	E1R	SW846 8270E SIM	1246028
		SW846 5035A	1223810	06/17/2024 16:44	JTH	SW846 8015D	1223811
		SW846 5035A	1224279	06/17/2024 16:44	JTH	SW846 8260D	1224280
		N/A	N/A	N/A		S2540G-11	1221144
3363931024	SB-26 (4-6)	SW846 3546	1221815	06/19/2024 14:00	J1H	SW846 8015D	1224530
		SW846 3546	1223160	06/19/2024 15:05	E1R	SW846 8270E	1246036
		SW846 3546	1223163	06/19/2024 15:05	E1R	SW846 8270E SIM	1246028
		SW846 5035A	1223810	06/17/2024 16:47	JTH	SW846 8015D	1223811
		SW846 5035A	1224279	06/17/2024 16:48	JTH	SW846 8260D	1224280
		N/A	N/A	N/A		S2540G-11	1221144
3363931025	SB-26 (8-10)	SW846 3546	1221815	06/19/2024 14:00	J1H	SW846 8015D	1224530
		SW846 3546	1223160	06/19/2024 15:05	E1R	SW846 8270E	1246036
		SW846 3546	1223163	06/19/2024 15:05	E1R	SW846 8270E SIM	1246028
		SW846 5035A	1224380	06/17/2024 17:06	JTH	SW846 8015D	1224382
		SW846 5035A	1224279	06/17/2024 17:07	JTH	SW846 8260D	1224280
		N/A	N/A	N/A		S2540G-11	1221144
3363931026	DUP 6524	SW846 3546	1223809	06/20/2024 16:50	J1H	SW846 8015D	1227411
		SW846 3546	1223672	06/19/2024 15:55	J1H	SW846 8270E	1246037
		SW846 3546	1223674	06/19/2024 15:55	J1H	SW846 8270E SIM	1246029
		SW846 5035A	1224380	06/17/2024 16:49	JTH	SW846 8015D	1224382
		SW846 5035A	1224279	06/17/2024 16:50	JTH	SW846 8260D	1224280
		N/A	N/A	N/A		S2540G-11	1221144
3363931027	SB-31 (2-4)	SW846 3546	1223809	06/20/2024 16:50	J1H	SW846 8015D	1227411
		SW846 3546	1223672	06/19/2024 15:55	J1H	SW846 8270E	1246037
		SW846 3546	1223674	06/19/2024 15:55	J1H	SW846 8270E SIM	1246029
		SW846 5035A	1224380	06/19/2024 21:12	JTH	SW846 8015D	1224382
		SW846 5035A	1224497	06/19/2024 21:13	JTH	SW846 8260D	1224498
		N/A	N/A	N/A		S2540G-11	1221144
3363931028	SB-31 (6-8)	SW846 3546	1223809	06/20/2024 16:50	J1H	SW846 8015D	1227411
		SW846 3546	1223672	06/19/2024 15:55	J1H	SW846 8270E	1246037
		SW846 3546	1223674	06/19/2024 15:55	J1H	SW846 8270E SIM	1246029
		SW846 5035A	1224380	06/19/2024 21:15	JTH	SW846 8015D	1224382
		SW846 5035A	1224611	06/19/2024 21:15	JTH	SW846 8260D	1224612
		N/A	N/A	N/A		S2540G-11	1221144
3363931029	DUP 6724	SW846 3546	1223809	06/20/2024 16:50	J1H	SW846 8015D	1227411
		SW846 3546	1223672	06/19/2024 15:55	J1H	SW846 8270E	1246037
		SW846 3546	1223674	06/19/2024 15:55	J1H	SW846 8270E SIM	1246029
		SW846 5035A	1224380	06/19/2024 21:18	JTH	SW846 8015D	1224382
		SW846 5035A	1224497	06/19/2024 21:19	JTH	SW846 8260D	1224498
		N/A	N/A	N/A		S2540G-11	1221144
3363931030	TRIP BLANK	N/A	N/A	N/A		SW846 8260D	1224520



Ship To: ALS Environmental  
4388 Glendale Milford Rd.  
Cincinnati, Ohio 45242  
Phone: (513) 733-6336  
Fax: (513) 733-5347



REV 10/2017

Logged By: EXP  
PH: EXP



REGULAR Status  RUSH Status  RESUL CONTACT  
OH VAP: YES  NO  BUSTR: YES  NO  NELAC: YES  NO

Date: 6/7/24  
Purchase Order No.:  
Company Name: Partners Environmental  
Project No.: 2296.17  
Address: 31100 Solon Rd, Ste G  
Solon OH 44139  
City State Zip  
Sampling Site: Leake Oil 448 E.  
Teggsport Rd, E. Palestine OH  
Person to Contact: Jeremy Kendle  
Billing Address (if different): Tim Exstrom  
Email Address: j.kendle@partnersenv.com  
Chris EPA DERR  
Telephone:  
Alternate Contact:

ANALYSIS REQUESTED

Sample Type / Matrix Key Abbr.	# of Sample Containers	Preservation Key #	Lead 6010	TPH GRC	TPH DRO	SUCs 827G	UOCs 8260
--------------------------------	------------------------	--------------------	-----------	---------	---------	-----------	-----------

ALS Lab ID	Sample ID / Description	Date	Time
SB-30 (4-6)		6/7/24	950
SB-30 (6-8)			950
SB-29 (2-4)			1015
SB-29 (4-6)			1045
SB-28 (4-6)			1045
SB-28 (6-8)			1045
SB-27 (4-6)			1215
SB-27 (6-8)			1215
HA-05 (0-2)			1225
HA-04 (0-2)			1235

Therm ID	WO Temp (°C)
STO	5°C

Notes: Per sample ID 2X6/UMP mvp 6/12/24  
NO Duplicates, NO SAMPLES LISTED MVP 6/12/24  
NO SAMPLES LISTED MVP 6/12/24

Matrix Key: 1 - HCl 2 - HNO<sub>3</sub> 3 - H<sub>2</sub>SO<sub>4</sub> 4 - NaOH 5 - Na<sub>2</sub>S<sub>2</sub>O<sub>8</sub> 6 - NaHSO<sub>4</sub> 7 - NaOH/ZnAcetate 8 - Other 9 - 4°C 10 - 20°C 11 - 4°C

Failure to complete all portions of this form may delay analysis. Please fill in this form LEGIBLY.

Relinquished By (Signature)	Time / Date	Received By (Signature)	Time / Date
John Scott	4:17 6/25	Chris Exstrom	10:30 6/25
Chris Exstrom	4:00 6/25	Chris Exstrom	5:11 6/25
Chris Exstrom	6:11 6/25	Felix G/UMP	9:08 6/25





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 Cincinnati, Ohio 45242  
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 Fax: (513) 733-5347

# Field Chain-of-Custody Record

Page \_\_\_\_\_ of \_\_\_\_\_

79901

REV 10/2017

Date: 6/17/24 Purchase Order No.: 2296.17  
 Company Name: Partners Environmental Project No.: 2296.17  
 Address: 3100 Solon Rd, Ste. G Sampling Site: Leake Oil 448 E.  
Solon OH 44139 Tuggart Rd, E. Palestine, OH  
 Person to Contact: Jeremy Rendt Billing Address (if different): Tim Exstrom  
 Email Address: jrendt@partnersenv.com Ohio EPA DERR  
 Telephone ( ): \_\_\_\_\_  
 Alternate Contact: \_\_\_\_\_

ALS Lab ID	Sample ID / Description	Date	Time
	SB-36 (2-4)	6/17/24	1335
	SB-36 (4-6)		1335
	SB-35 (2-4)		1440
	SB-35 (4-6)		1340
	SB-34 (0-2)		1355
	SB-34 (2-4)		1355
	SB-32 (0-2)		1430
	SB-32 (2-4)		1430
	SB-33 (0-2)		1435
	SB-33 (2-4)		1435

Notes:

Preservation Key: 1 - HCl 2 - HNO<sub>3</sub> 3 - H<sub>2</sub>SO<sub>4</sub> 4 - NaOH 5 - Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub> 6 - NaHSO<sub>4</sub> 7 - NaOH/ZnAcetate 8 - Other 9 - 4°C

Failure to complete all portions of this form may delay analysis. Please fill in this form LEGIBLY.

Relinquished By: (Signature) <u>[Signature]</u>	Time / Date 6/17/24	Received By: (Signature) <u>[Signature]</u>	Time / Date 6/17/24
Relinquished By: (Signature) <u>[Signature]</u>	Time / Date 6/17/24	Received By: (Signature) <u>[Signature]</u>	Time / Date 6/17/24
Relinquished By: (Signature) <u>[Signature]</u>	Time / Date 6/17/24	Received By: (Signature) <u>[Signature]</u>	Time / Date 6/17/24

REGULAR  Status  RUSH  Status  RESULTS REQUIRED BY: (Date) \_\_\_\_\_  
 CONTACT ALS ENVIRONMENTAL PRIOR TO SENDING SAMPLES

OH VAP:  YES  NO BUSTR:  YES  NO NELAC:  YES  NO

Preservation Key #	Sample Type / Matrix Key Abbr.	# of Sample Containers	VOCs 8260	SUCCs 8270	TRH GRO	TRH DRG	ANALYSIS REQUESTED
9	S	2	X	X	X	X	
		2	X	X	X	X	
		2	X	X	X	X	
		2	X	X	X	X	
		2	X	X	X	X	
		2	X	X	X	X	
		2	X	X	X	X	
		2	X	X	X	X	
		2	X	X	X	X	
		2	X	X	X	X	

Matrix Key: A - Air B - Bulk S - Soil W - Water

ALS LAB USE ONLY

COOLER TEMP: °C TAKEN WITH IR# 119063 119059

COOLING METHOD: NONE COOLER WET/ICE DRY/ICE ICE PACK

DELIVERY METHOD: CLIENT DROP BOX FEDEX UPS

STD MAIL PRTY MAIL ALS COURIER OTHER:

CUSTODY SEALS: NOT REQUIRED COOLER PACKAGE SAMPLES

ADJUSTMENTS: 84 of 185



# Field Chain-of-Custody Record

Ship To: **ALS | Environmental**  
 4388 Glendale Millford Rd.  
 Cincinnati, Ohio 45242  
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 Fax: (513) 733-5347



Page \_\_\_\_\_ of \_\_\_\_\_

REV 10/2017

Date: 6/5/24  
 Purchase Order No.: \_\_\_\_\_  
 Project No.: ZZ96.17  
 Company Name: Partners Environmental  
 Address: 3100 Solon Rd., Ste. G  
Solon OH 44139  
 City State Zip  
 Sampling Site: Lake Oil  
448 Tappan Rd., E. Palestine OH  
 Billing Address (if different): Tim Eyedrom  
OHIO, EPA DERS  
 Person to Contact: Jeremy Kiedle  
 Email Address: jkiedle@partnersenv.com  
 Telephone ( ): \_\_\_\_\_  
 Alternate Contact: \_\_\_\_\_

REGULAR Status	RUSH Status	RESULTS REQUIRED BY: (Date)	CONTACT ALS ENVIRONMENTAL PRIOR TO SENDING SAMPLES			
<input type="checkbox"/>	<input type="checkbox"/>		BUSTR: <input type="checkbox"/> YES <input type="checkbox"/> NO	NELAC: <input type="checkbox"/> YES <input type="checkbox"/> NO		
ANALYSIS REQUESTED						
Preservation Key #	Sample Type / Matrix Key Abbr.	# of Sample Containers	Vols 8260	Soccs 8270s	TPH GLO	TPH DRC
9	S	1	X	X	X	X
		2	X	X	X	X
		2	X	X	X	X
		2	X	X	X	X
		2	X	X	X	X
		2	X	X	X	X
		2	X	X	X	X
		2	X	X	X	X
		1	X			

ALS Lab ID	Sample ID / Description	Date	Time
	1-A-03 (0-2)	6/5/24	1315
	SB-25 (4-6)	6/5/24	1340
	SB-25 (6-8)	6/5/24	1340
	SB-26 (4-6)	6/5/24	1400
	SB-26 (8-10)	6/5/24	1400
	Dup 6524		
	SB-31 (2-4)	6/7/24	915
	SB-31 (6-8)	6/7/24	915
	Dub: 6724		
	Frip Blank (Lab Prepara)		

Notes: DATE  
N 1161HU  
MUP 6/16/24  
MUP

Preservation Key:	1 - HCl	2 - HNO <sub>3</sub>	3 - H <sub>2</sub> SO <sub>4</sub>	4 - NaOH	5 - Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>	6 - NaHSO <sub>4</sub>	7 - NaOH/ZnAcetate	8 - Other	9 - 4°C	Matrix Key:	A - Air	B - Bulk	S - Soil	W - Water
ALS LAB USE ONLY														
COOLER TEMP:	°C TAKEN WITH IR#: 119063 119059													
COOLING METHOD:	NONE COOLER WET ICE DRY ICE ICE PACK													
DELIVERY METHOD:	CLIENT DROP BOX FEDEX UPS													
STD MAIL	PRTY MAIL ALS COURIER OTHER:													
CUSTODY SEALS:	NOT REQUIRED COOLER PACKAGE SAMPLES													
PHADJUSTMENTS:	185 of 185													

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Relinquished By: [Signature] Time / Date: 6/7/24 1630  
 Relinquished By: [Signature] Time / Date: 6/11/24 0800  
 Relinquished By: [Signature] Time / Date: 6/11/24 1330  
 Received By: [Signature] Time / Date: 6/16/24 9:08



08-Jul-2024

Doug Darrah  
Partners Environmental Consulting, Inc.  
31100 Solon Rd.  
Suite G  
Solon, OH 44139

Re: **Former Leake Oil; 448 E. Taggart St., East Palestine OH 44** Work Order: **24060754**

Dear Doug,

ALS Environmental received 35 samples on 20-Jun-2024 09:45 AM for the analyses presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested.

QC sample results for this data met laboratory specifications. Any exceptions are noted in the Case Narrative, or noted with qualifiers in the report or QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained from ALS Laboratory Group. Samples will be disposed in 30 days unless storage arrangements are made.

The total number of pages in this report is 206.

If you have any questions regarding this report, please feel free to contact me.

Sincerely,

**Rob Nieman**

Electronically approved by: Danielle Strasinger

Rob Nieman  
Project Manager

## Report of Laboratory Analysis

ADDRESS 4388 Glendale Milford Rd Cincinnati, OH 45242- | PHONE (513) 733-5336 | FAX (513) 733-5347

ALS GROUP USA, CORP Part of the ALS Laboratory Group A Campbell Brothers Limited Company

Environmental 

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RIGHT SOLUTIONS RIGHT PARTNER



# ALS Environmental

Date: 08-Jul-24

**Client:** Partners Environmental Consulting, Inc.  
**Project:** Former Leake Oil; 448 E. Taggart St., East Palestine OH 44  
**Work Order:** 24060754

## Work Order Sample Summary

<u>Lab Samp ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Tag Number</u>	<u>Collection Date</u>	<u>Date Received</u>	<u>Hold</u>
24060754-01	SB-38 4-6'	Soil		6/17/2024 12:37	6/20/2024 09:45	<input type="checkbox"/>
24060754-02	SB-38 6-8'	Soil		6/17/2024 12:37	6/20/2024 09:45	<input type="checkbox"/>
24060754-03	SB-39 4-6'	Soil		6/17/2024 13:14	6/20/2024 09:45	<input type="checkbox"/>
24060754-04	SB-39 6-8'	Soil		6/17/2024 13:14	6/20/2024 09:45	<input type="checkbox"/>
24060754-05	SB-40 2-4'	Soil		6/17/2024 13:45	6/20/2024 09:45	<input type="checkbox"/>
24060754-06	SB-40 4-6'	Soil		6/17/2024 13:45	6/20/2024 09:45	<input type="checkbox"/>
24060754-07	DUP-24	Soil		6/17/2024 12:37	6/20/2024 09:45	<input type="checkbox"/>
24060754-08	EQ-24	Water		6/17/2024 14:55	6/20/2024 09:45	<input type="checkbox"/>
24060754-09	MW-07 0-2'	Soil		6/17/2024 14:31	6/20/2024 09:45	<input type="checkbox"/>
24060754-10	MW-07 6-8'	Soil		6/17/2024 14:31	6/20/2024 09:45	<input type="checkbox"/>
24060754-11	MW-08 4-6'	Soil		6/17/2024 15:10	6/20/2024 09:45	<input type="checkbox"/>
24060754-12	MW-08 6-8'	Soil		6/17/2024 15:10	6/20/2024 09:45	<input type="checkbox"/>
24060754-13	MW-09 4-6'	Soil		6/17/2024 16:07	6/20/2024 09:45	<input type="checkbox"/>
24060754-14	MW-09 6-8'	Soil		6/17/2024 16:07	6/20/2024 09:45	<input type="checkbox"/>
24060754-15	MW-10 6-8'	Soil		6/18/2024 09:59	6/20/2024 09:45	<input type="checkbox"/>
24060754-16	MW-10 8-10'	Soil		6/18/2024 09:59	6/20/2024 09:45	<input type="checkbox"/>
24060754-17	MW-11 0-2'	Soil		6/18/2024 10:32	6/20/2024 09:45	<input type="checkbox"/>
24060754-18	MW-11 8-10'	Soil		6/18/2024 10:32	6/20/2024 09:45	<input type="checkbox"/>
24060754-19	HA-06 0-2'	Soil		6/18/2024 09:06	6/20/2024 09:45	<input type="checkbox"/>
24060754-20	HA-07 0-2'	Soil		6/18/2024 10:54	6/20/2024 09:45	<input type="checkbox"/>
24060754-21	HA-08 0-2'	Soil		6/18/2024 11:02	6/20/2024 09:45	<input type="checkbox"/>
24060754-22	HA-09 0-2'	Soil		6/18/2024 11:38	6/20/2024 09:45	<input type="checkbox"/>
24060754-23	HA-10 0-2'	Soil		6/18/2024 11:32	6/20/2024 09:45	<input type="checkbox"/>
24060754-24	HA-11 0-2'	Soil		6/18/2024 11:12	6/20/2024 09:45	<input type="checkbox"/>
24060754-25	HA-12 0-2'	Soil		6/18/2024 08:52	6/20/2024 09:45	<input type="checkbox"/>
24060754-26	HA-13 0-2'	Soil		6/18/2024 11:25	6/20/2024 09:45	<input type="checkbox"/>
24060754-27	MW-01	Water		6/18/2024 16:25	6/20/2024 09:45	<input type="checkbox"/>
24060754-28	TRIP-24	Water		6/18/2024	6/20/2024 09:45	<input type="checkbox"/>
24060754-29	DUPHA-24	Soil		6/18/2024 08:52	6/20/2024 09:45	<input type="checkbox"/>
24060754-30	MW-03	Water		6/19/2024 08:53	6/20/2024 09:45	<input type="checkbox"/>
24060754-31	MW-04	Water		6/19/2024 10:58	6/20/2024 09:45	<input type="checkbox"/>
24060754-32	EQ-25	Water		6/19/2024 11:27	6/20/2024 09:45	<input type="checkbox"/>
24060754-33	MW-05	Water		6/19/2024 12:05	6/20/2024 09:45	<input type="checkbox"/>
24060754-34	MW-06	Water		6/19/2024 14:06	6/20/2024 09:45	<input type="checkbox"/>
24060754-35	DUP-01	Water		6/19/2024 14:06	6/20/2024 09:45	<input type="checkbox"/>

DRAFT

## ALS Environmental

Date: 08-Jul-24

**Client:** Partners Environmental Consulting, Inc.  
**Project:** Former Leake Oil; 448 E. Taggart St., East Palestine OH 4  
**Work Order:** 24060754

## Case Narrative

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The analyses requested were analyzed according to Ohio Voluntary Action Program requirements. Affidavits are available upon request.

The analytical data provided relates directly to the samples received by ALS Laboratory Group and for only the analyses requested.

QC sample results for this data met laboratory specifications. Any exceptions are noted in the Case Narrative, or noted with qualifiers in the report or QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained from ALS Laboratory Group. Samples will be disposed in 30 days unless storage arrangements are made.

Batch 99724, Method 8015\_DRO\_S, Sample 24060754-11B: Surrogate failure due to hydrocarbons in the sample.

Batch 99724, Method 8015\_DRO\_S, Sample 24060754-15B: Surrogate failure due to hydrocarbons in the sample.

Batch R231147, Method 8260\_VOC\_W, Sample 24060793-05A MS: Select spike recoveries fall outside of quality control limits due to sample matrix interference. Rerun yielded similar results

# ALS Environmental

Date: 08-Jul-24

**Client:** Partners Environmental Consulting, Inc.  
**Project:** Former Leake Oil; 448 E. Taggart St., East Palesti  
**Sample ID:** SB-38 4-6'  
**Collection Date:** 6/17/2024 12:37 PM

**Work Order:** 24060754  
**Lab ID:** 24060754-01  
**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>DIESEL RANGE ORGANICS AND OIL RANGE ORGANICS</b>			<b>SW8015B</b>	Prep: SW3546 6/27/24 15:53		Analyst: <b>TME</b>
TPH C10-C20	120		15	mg/Kg-dry	1	6/28/2024 01:28 AM
TPH C20-C34	ND		15	mg/Kg-dry	1	6/28/2024 01:28 AM
Surr: Nonane	57.6		13.1-113	%REC	1	6/28/2024 01:28 AM
Surr: Pentacosane	48.3		28.2-111	%REC	1	6/28/2024 01:28 AM
<b>GASOLINE RANGE ORGANICS (C6-C12)</b>			<b>SW8015A</b>	Prep: SW3546 6/27/24 15:53		Analyst: <b>LAK</b>
TPH C6-C12	4.6		2.3	mg/Kg-dry	1	6/27/2024 03:15 PM
Surr: Cyclooctane	106		65.2-156	%REC	1	6/27/2024 03:15 PM
<b>MOISTURE</b>			<b>SM2540B</b>	Prep: SW3546 6/27/24 15:53		Analyst: <b>CS</b>
Moisture	13			% of sample	1	6/21/2024
<b>SEMI-VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8270C</b>	Prep: SW3546 6/28/24 09:27		Analyst: <b>DTL</b>
1,2,4,5-Tetrachlorobenzene	ND		0.38	mg/Kg-dry	1	6/28/2024 08:16 PM
1,2,4-Trichlorobenzene	ND		0.38	mg/Kg-dry	1	6/28/2024 08:16 PM
1,2-Dichlorobenzene	ND		0.38	mg/Kg-dry	1	6/28/2024 08:16 PM
1,3-Dichlorobenzene	ND		0.38	mg/Kg-dry	1	6/28/2024 08:16 PM
1,3-Dinitrobenzene	ND		0.38	mg/Kg-dry	1	6/28/2024 08:16 PM
1,4-Dichlorobenzene	ND		0.38	mg/Kg-dry	1	6/28/2024 08:16 PM
1-Methylnaphthalene	ND		0.23	mg/Kg-dry	1	6/28/2024 08:16 PM
1-Naphthylamine	ND		0.38	mg/Kg-dry	1	6/28/2024 08:16 PM
2,3,4,6-Tetrachlorophenol	ND		0.38	mg/Kg-dry	1	6/28/2024 08:16 PM
2,4,5-Trichlorophenol	ND		0.38	mg/Kg-dry	1	6/28/2024 08:16 PM
2,4,6-Trichlorophenol	ND		0.38	mg/Kg-dry	1	6/28/2024 08:16 PM
2,4-Dichlorophenol	ND		0.38	mg/Kg-dry	1	6/28/2024 08:16 PM
2,4-Dimethylphenol	ND		0.38	mg/Kg-dry	1	6/28/2024 08:16 PM
2,4-Dinitrophenol	ND		1.9	mg/Kg-dry	1	6/28/2024 08:16 PM
2,4-Dinitrotoluene	ND		0.38	mg/Kg-dry	1	6/28/2024 08:16 PM
2,6-Dichlorophenol	ND		0.38	mg/Kg-dry	1	6/28/2024 08:16 PM
2,6-Dinitrotoluene	ND		0.38	mg/Kg-dry	1	6/28/2024 08:16 PM
2-Acetylaminofluorene	ND		0.38	mg/Kg-dry	1	6/28/2024 08:16 PM
2-Chloronaphthalene	ND		0.38	mg/Kg-dry	1	6/28/2024 08:16 PM
2-Chlorophenol	ND		0.38	mg/Kg-dry	1	6/28/2024 08:16 PM
2-Methylnaphthalene	ND		0.23	mg/Kg-dry	1	6/28/2024 08:16 PM
2-Methylphenol	ND		0.38	mg/Kg-dry	1	6/28/2024 08:16 PM
2-Naphthylamine	ND		0.38	mg/Kg-dry	1	6/28/2024 08:16 PM
2-Nitroaniline	ND		1.9	mg/Kg-dry	1	6/28/2024 08:16 PM
2-Nitrophenol	ND		0.38	mg/Kg-dry	1	6/28/2024 08:16 PM
2-Picoline	ND		0.38	mg/Kg-dry	1	6/28/2024 08:16 PM
3&4-Methylphenol	ND		0.38	mg/Kg-dry	1	6/28/2024 08:16 PM

Note:

# ALS Environmental

Date: 08-Jul-24

Client: Partners Environmental Consulting, Inc.  
 Project: Former Leake Oil; 448 E. Taggart St., East Palesti  
 Sample ID: SB-38 4-6'  
 Collection Date: 6/17/2024 12:37 PM

Work Order: 24060754  
 Lab ID: 24060754-01  
 Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
3,3'-Dichlorobenzidine	ND		0.76	mg/Kg-dry	1	6/28/2024 08:16 PM
3-Methylcholanthrene	ND		0.38	mg/Kg-dry	1	6/28/2024 08:16 PM
3-Nitroaniline	ND		1.9	mg/Kg-dry	1	6/28/2024 08:16 PM
4,6-Dinitro-2-methylphenol	ND		1.9	mg/Kg-dry	1	6/28/2024 08:16 PM
4-Aminobiphenyl	ND		0.76	mg/Kg-dry	1	6/28/2024 08:16 PM
4-Bromophenyl phenyl ether	ND		0.38	mg/Kg-dry	1	6/28/2024 08:16 PM
4-Chloro-3-methylphenol	ND		0.76	mg/Kg-dry	1	6/28/2024 08:16 PM
4-Chloroaniline	ND		0.76	mg/Kg-dry	1	6/28/2024 08:16 PM
4-Chlorophenyl phenyl ether	ND		0.38	mg/Kg-dry	1	6/28/2024 08:16 PM
4-Nitroaniline	ND		0.76	mg/Kg-dry	1	6/28/2024 08:16 PM
4-Nitrophenol	ND		1.9	mg/Kg-dry	1	6/28/2024 08:16 PM
4-Nitroquinoline 1-oxide	ND		1.9	mg/Kg-dry	1	6/28/2024 08:16 PM
5-Nitro-o-toluidine	ND		0.38	mg/Kg-dry	1	6/28/2024 08:16 PM
7,12-Dimethylbenz(a)anthracene	ND		0.38	mg/Kg-dry	1	6/28/2024 08:16 PM
Acenaphthene	ND		0.23	mg/Kg-dry	1	6/28/2024 08:16 PM
Acenaphthylene	ND		0.23	mg/Kg-dry	1	6/28/2024 08:16 PM
Acetophenone	ND		0.38	mg/Kg-dry	1	6/28/2024 08:16 PM
Aniline	ND		0.38	mg/Kg-dry	1	6/28/2024 08:16 PM
Anthracene	ND		0.23	mg/Kg-dry	1	6/28/2024 08:16 PM
Azobenzene	ND		0.38	mg/Kg-dry	1	6/28/2024 08:16 PM
Benzidine	ND		0.38	mg/Kg-dry	1	6/28/2024 08:16 PM
Benzo(a)anthracene	ND		0.12	mg/Kg-dry	1	6/28/2024 08:16 PM
Benzo(a)pyrene	ND		0.12	mg/Kg-dry	1	6/28/2024 08:16 PM
Benzo(b)fluoranthene	ND		0.23	mg/Kg-dry	1	6/28/2024 08:16 PM
Benzo(g,h,i)perylene	ND		0.23	mg/Kg-dry	1	6/28/2024 08:16 PM
Benzo(k)fluoranthene	ND		0.23	mg/Kg-dry	1	6/28/2024 08:16 PM
Benzyl alcohol	ND		0.76	mg/Kg-dry	1	6/28/2024 08:16 PM
Bis(2-chloroethoxy)methane	ND		0.38	mg/Kg-dry	1	6/28/2024 08:16 PM
Bis(2-chloroethyl)ether	ND		0.38	mg/Kg-dry	1	6/28/2024 08:16 PM
Bis(2-chloroisopropyl)ether	ND		0.38	mg/Kg-dry	1	6/28/2024 08:16 PM
Bis(2-ethylhexyl)phthalate	ND		0.38	mg/Kg-dry	1	6/28/2024 08:16 PM
Butyl benzyl phthalate	ND		0.38	mg/Kg-dry	1	6/28/2024 08:16 PM
Carbazole	ND		0.23	mg/Kg-dry	1	6/28/2024 08:16 PM
Chrysene	ND		0.23	mg/Kg-dry	1	6/28/2024 08:16 PM
Dibenzo(a,h)anthracene	ND		0.12	mg/Kg-dry	1	6/28/2024 08:16 PM
Dibenzofuran	ND		0.23	mg/Kg-dry	1	6/28/2024 08:16 PM
Diethyl phthalate	ND		0.38	mg/Kg-dry	1	6/28/2024 08:16 PM
Dimethyl phthalate	ND		0.38	mg/Kg-dry	1	6/28/2024 08:16 PM
Di-n-butyl phthalate	ND		0.38	mg/Kg-dry	1	6/28/2024 08:16 PM
Di-n-octyl phthalate	ND		0.38	mg/Kg-dry	1	6/28/2024 08:16 PM

Note:

# ALS Environmental

Date: 08-Jul-24

**Client:** Partners Environmental Consulting, Inc.  
**Project:** Former Leake Oil; 448 E. Taggart St., East Palesti  
**Sample ID:** SB-38 4-6'  
**Collection Date:** 6/17/2024 12:37 PM

**Work Order:** 24060754  
**Lab ID:** 24060754-01  
**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Dinoseb	ND		0.38	mg/Kg-dry	1	6/28/2024 08:16 PM
Diphenylamine	ND		0.38	mg/Kg-dry	1	6/28/2024 08:16 PM
Ethyl methanesulfonate	ND		0.38	mg/Kg-dry	1	6/28/2024 08:16 PM
Fluoranthene	ND		0.23	mg/Kg-dry	1	6/28/2024 08:16 PM
Fluorene	ND		0.23	mg/Kg-dry	1	6/28/2024 08:16 PM
Hexachlorobenzene	ND		0.38	mg/Kg-dry	1	6/28/2024 08:16 PM
Hexachlorobutadiene	ND		0.38	mg/Kg-dry	1	6/28/2024 08:16 PM
Hexachlorocyclopentadiene	ND		0.38	mg/Kg-dry	1	6/28/2024 08:16 PM
Hexachloroethane	ND		0.38	mg/Kg-dry	1	6/28/2024 08:16 PM
Indeno(1,2,3-cd)pyrene	ND		0.12	mg/Kg-dry	1	6/28/2024 08:16 PM
Isophorone	ND		0.38	mg/Kg-dry	1	6/28/2024 08:16 PM
Isosafrole	ND		0.38	mg/Kg-dry	1	6/28/2024 08:16 PM
Methapyrilene	ND		1.9	mg/Kg-dry	1	6/28/2024 08:16 PM
Methyl methanesulfonate	ND		0.38	mg/Kg-dry	1	6/28/2024 08:16 PM
Naphthalene	ND		0.23	mg/Kg-dry	1	6/28/2024 08:16 PM
Nitrobenzene	ND		0.38	mg/Kg-dry	1	6/28/2024 08:16 PM
N-Nitrosodiethylamine	ND		0.38	mg/Kg-dry	1	6/28/2024 08:16 PM
N-Nitrosodimethylamine	ND		0.38	mg/Kg-dry	1	6/28/2024 08:16 PM
N-Nitroso-di-n-butylamine	ND		0.38	mg/Kg-dry	1	6/28/2024 08:16 PM
N-Nitrosodi-n-propylamine	ND		0.38	mg/Kg-dry	1	6/28/2024 08:16 PM
N-Nitrosomethylethylamine	ND		0.38	mg/Kg-dry	1	6/28/2024 08:16 PM
N-Nitrosomorpholine	ND		0.38	mg/Kg-dry	1	6/28/2024 08:16 PM
N-Nitrosopiperidine	ND		0.38	mg/Kg-dry	1	6/28/2024 08:16 PM
N-Nitrosopyrrolidine	ND		0.38	mg/Kg-dry	1	6/28/2024 08:16 PM
o-Toluidine	ND		1.9	mg/Kg-dry	1	6/28/2024 08:16 PM
p-Dimethylaminoazobenzene	ND		0.38	mg/Kg-dry	1	6/28/2024 08:16 PM
Pentachlorobenzene	ND		0.38	mg/Kg-dry	1	6/28/2024 08:16 PM
Pentachloroethane	ND		0.38	mg/Kg-dry	1	6/28/2024 08:16 PM
Pentachloronitrobenzene	ND		0.76	mg/Kg-dry	1	6/28/2024 08:16 PM
Pentachlorophenol	ND		1.9	mg/Kg-dry	1	6/28/2024 08:16 PM
Phenacetin	ND		0.76	mg/Kg-dry	1	6/28/2024 08:16 PM
Phenanthrene	ND		0.23	mg/Kg-dry	1	6/28/2024 08:16 PM
Phenol	ND		0.38	mg/Kg-dry	1	6/28/2024 08:16 PM
Pyrene	ND		0.23	mg/Kg-dry	1	6/28/2024 08:16 PM
Pyridine	ND		0.38	mg/Kg-dry	1	6/28/2024 08:16 PM
Safrole	ND		0.38	mg/Kg-dry	1	6/28/2024 08:16 PM
Surr: 2,4,6-Tribromophenol	74.3		14.2-136	%REC	1	6/28/2024 08:16 PM
Surr: 2-Fluorobiphenyl	61.8		30-116	%REC	1	6/28/2024 08:16 PM
Surr: 2-Fluorophenol	74.9		5.42-113	%REC	1	6/28/2024 08:16 PM
Surr: 4-Terphenyl-d14	73.8		27.3-138	%REC	1	6/28/2024 08:16 PM

Note:

# ALS Environmental

Date: 08-Jul-24

**Client:** Partners Environmental Consulting, Inc.  
**Project:** Former Leake Oil; 448 E. Taggart St., East Palesti  
**Sample ID:** SB-38 4-6'  
**Collection Date:** 6/17/2024 12:37 PM

**Work Order:** 24060754  
**Lab ID:** 24060754-01  
**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Surr: Nitrobenzene-d5	73.8		23.7-109	%REC	1	6/28/2024 08:16 PM
Surr: Phenol-d6	76.3		13.8-108	%REC	1	6/28/2024 08:16 PM

## VOLATILE ORGANIC COMPOUNDS

SW8260B

Analyst: RA

1,1,1,2-Tetrachloroethane	ND		0.029	mg/Kg-dry	5	6/25/2024 06:46 PM
1,1,1-Trichloroethane	ND		0.029	mg/Kg-dry	5	6/25/2024 06:46 PM
1,1,2,2-Tetrachloroethane	ND		0.029	mg/Kg-dry	5	6/25/2024 06:46 PM
1,1,2-Trichloroethane	ND		0.029	mg/Kg-dry	5	6/25/2024 06:46 PM
1,1-Dichloroethane	ND		0.029	mg/Kg-dry	5	6/25/2024 06:46 PM
1,1-Dichloroethene	ND		0.029	mg/Kg-dry	5	6/25/2024 06:46 PM
1,1-Dichloropropene	ND		0.029	mg/Kg-dry	5	6/25/2024 06:46 PM
1,2,3-Trichlorobenzene	ND		0.029	mg/Kg-dry	5	6/25/2024 06:46 PM
1,2,3-Trichloropropane	ND		0.029	mg/Kg-dry	5	6/25/2024 06:46 PM
1,2,4-Trichlorobenzene	ND		0.029	mg/Kg-dry	5	6/25/2024 06:46 PM
1,2,4-Trimethylbenzene	ND		0.029	mg/Kg-dry	5	6/25/2024 06:46 PM
1,2-Dibromo-3-chloropropane	ND		0.029	mg/Kg-dry	5	6/25/2024 06:46 PM
1,2-Dibromoethane	ND		0.029	mg/Kg-dry	5	6/25/2024 06:46 PM
1,2-Dichlorobenzene	ND		0.029	mg/Kg-dry	5	6/25/2024 06:46 PM
1,2-Dichloroethane	ND		0.029	mg/Kg-dry	5	6/25/2024 06:46 PM
1,2-Dichloropropane	ND		0.029	mg/Kg-dry	5	6/25/2024 06:46 PM
1,3,5-Trimethylbenzene	ND		0.029	mg/Kg-dry	5	6/25/2024 06:46 PM
1,3-Dichlorobenzene	ND		0.029	mg/Kg-dry	5	6/25/2024 06:46 PM
1,3-Dichloropropane	ND		0.029	mg/Kg-dry	5	6/25/2024 06:46 PM
1,4-Dichlorobenzene	ND		0.029	mg/Kg-dry	5	6/25/2024 06:46 PM
2,2-Dichloropropane	ND		0.029	mg/Kg-dry	5	6/25/2024 06:46 PM
2-Butanone	ND		0.29	mg/Kg-dry	5	6/25/2024 06:46 PM
2-Chlorotoluene	ND		0.029	mg/Kg-dry	5	6/25/2024 06:46 PM
2-Hexanone	ND		0.029	mg/Kg-dry	5	6/25/2024 06:46 PM
4-Chlorotoluene	ND		0.029	mg/Kg-dry	5	6/25/2024 06:46 PM
4-Methyl-2-pentanone	ND		0.029	mg/Kg-dry	5	6/25/2024 06:46 PM
Acetone	ND		0.29	mg/Kg-dry	5	6/25/2024 06:46 PM
Benzene	ND		0.029	mg/Kg-dry	5	6/25/2024 06:46 PM
Bromobenzene	ND		0.029	mg/Kg-dry	5	6/25/2024 06:46 PM
Bromochloromethane	ND		0.029	mg/Kg-dry	5	6/25/2024 06:46 PM
Bromodichloromethane	ND		0.029	mg/Kg-dry	5	6/25/2024 06:46 PM
Bromoform	ND		0.029	mg/Kg-dry	5	6/25/2024 06:46 PM
Bromomethane	ND		0.029	mg/Kg-dry	5	6/25/2024 06:46 PM
Carbon disulfide	ND		0.029	mg/Kg-dry	5	6/25/2024 06:46 PM
Carbon tetrachloride	ND		0.029	mg/Kg-dry	5	6/25/2024 06:46 PM
Chlorobenzene	ND		0.029	mg/Kg-dry	5	6/25/2024 06:46 PM
Chloroethane	ND		0.029	mg/Kg-dry	5	6/25/2024 06:46 PM

Note:

# ALS Environmental

Date: 08-Jul-24

**Client:** Partners Environmental Consulting, Inc.  
**Project:** Former Leake Oil; 448 E. Taggart St., East Palesti  
**Sample ID:** SB-38 4-6'  
**Collection Date:** 6/17/2024 12:37 PM

**Work Order:** 24060754  
**Lab ID:** 24060754-01  
**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Chloroform	ND		0.029	mg/Kg-dry	5	6/25/2024 06:46 PM
Chloromethane	ND		0.029	mg/Kg-dry	5	6/25/2024 06:46 PM
cis-1,2-Dichloroethene	ND		0.029	mg/Kg-dry	5	6/25/2024 06:46 PM
cis-1,3-Dichloropropene	ND		0.029	mg/Kg-dry	5	6/25/2024 06:46 PM
Dibromochloromethane	ND		0.029	mg/Kg-dry	5	6/25/2024 06:46 PM
Dibromomethane	ND		0.029	mg/Kg-dry	5	6/25/2024 06:46 PM
Dichlorodifluoromethane	ND		0.029	mg/Kg-dry	5	6/25/2024 06:46 PM
Ethylbenzene	ND		0.029	mg/Kg-dry	5	6/25/2024 06:46 PM
Hexachlorobutadiene	ND		0.029	mg/Kg-dry	5	6/25/2024 06:46 PM
Isopropylbenzene	ND		0.029	mg/Kg-dry	5	6/25/2024 06:46 PM
m,p-Xylene	ND		0.058	mg/Kg-dry	5	6/25/2024 06:46 PM
Methyl tert-butyl ether	ND		0.029	mg/Kg-dry	5	6/25/2024 06:46 PM
Methylene chloride	ND		0.12	mg/Kg-dry	5	6/25/2024 06:46 PM
Naphthalene	ND		0.029	mg/Kg-dry	5	6/25/2024 06:46 PM
n-Butylbenzene	ND		0.029	mg/Kg-dry	5	6/25/2024 06:46 PM
n-Propylbenzene	ND		0.029	mg/Kg-dry	5	6/25/2024 06:46 PM
o-Xylene	ND		0.029	mg/Kg-dry	5	6/25/2024 06:46 PM
p-Isopropyltoluene	ND		0.029	mg/Kg-dry	5	6/25/2024 06:46 PM
sec-Butylbenzene	ND		0.029	mg/Kg-dry	5	6/25/2024 06:46 PM
Styrene	ND		0.029	mg/Kg-dry	5	6/25/2024 06:46 PM
tert-Butylbenzene	ND		0.029	mg/Kg-dry	5	6/25/2024 06:46 PM
Tetrachloroethene	ND		0.029	mg/Kg-dry	5	6/25/2024 06:46 PM
Toluene	ND		0.029	mg/Kg-dry	5	6/25/2024 06:46 PM
trans-1,2-Dichloroethene	ND		0.029	mg/Kg-dry	5	6/25/2024 06:46 PM
trans-1,3-Dichloropropene	ND		0.029	mg/Kg-dry	5	6/25/2024 06:46 PM
Trichloroethene	ND		0.029	mg/Kg-dry	5	6/25/2024 06:46 PM
Trichlorofluoromethane	ND		0.029	mg/Kg-dry	5	6/25/2024 06:46 PM
Vinyl chloride	ND		0.029	mg/Kg-dry	5	6/25/2024 06:46 PM
Xylenes, Total	ND		0.087	mg/Kg-dry	5	6/25/2024 06:46 PM
Surr: 4-Bromofluorobenzene	103		78.9-128	%REC	5	6/25/2024 06:46 PM
Surr: Dibromofluoromethane	106		79.1-140	%REC	5	6/25/2024 06:46 PM
Surr: Toluene-d8	106		84.5-124	%REC	5	6/25/2024 06:46 PM

Note:



# ALS Environmental

Date: 08-Jul-24

**Client:** Partners Environmental Consulting, Inc.  
**Project:** Former Leake Oil; 448 E. Taggart St., East Palesti  
**Sample ID:** SB-38 6-8'  
**Collection Date:** 6/17/2024 12:37 PM

**Work Order:** 24060754  
**Lab ID:** 24060754-02  
**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>DIESEL RANGE ORGANICS AND OIL RANGE ORGANICS</b>			<b>SW8015B</b>	Prep: SW3546 6/27/24 15:53		Analyst: <b>TME</b>
TPH C10-C20	ND		17	mg/Kg-dry	1	6/28/2024 01:47 AM
TPH C20-C34	ND		17	mg/Kg-dry	1	6/28/2024 01:47 AM
Surr: Nonane	59.1		13.1-113	%REC	1	6/28/2024 01:47 AM
Surr: Pentacosane	52.4		28.2-111	%REC	1	6/28/2024 01:47 AM
<b>GASOLINE RANGE ORGANICS (C6-C12)</b>			<b>SW8015A</b>	Prep: SW3546 6/27/24 15:53		Analyst: <b>LAK</b>
TPH C6-C12	2.8		2.5	mg/Kg-dry	1	6/27/2024 03:40 PM
Surr: Cyclooctane	97.1		65.2-156	%REC	1	6/27/2024 03:40 PM
<b>MOISTURE</b>			<b>SM2540B</b>	Prep: SW3546 6/27/24 15:53		Analyst: <b>CS</b>
Moisture	20			% of sample	1	6/21/2024
<b>SEMI-VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8270C</b>	Prep: SW3546 6/28/24 09:27		Analyst: <b>DTL</b>
1,2,4,5-Tetrachlorobenzene	ND		0.41	mg/Kg-dry	1	6/28/2024 08:32 PM
1,2,4-Trichlorobenzene	ND		0.41	mg/Kg-dry	1	6/28/2024 08:32 PM
1,2-Dichlorobenzene	ND		0.41	mg/Kg-dry	1	6/28/2024 08:32 PM
1,3-Dichlorobenzene	ND		0.41	mg/Kg-dry	1	6/28/2024 08:32 PM
1,3-Dinitrobenzene	ND		0.41	mg/Kg-dry	1	6/28/2024 08:32 PM
1,4-Dichlorobenzene	ND		0.41	mg/Kg-dry	1	6/28/2024 08:32 PM
1-Methylnaphthalene	ND		0.25	mg/Kg-dry	1	6/28/2024 08:32 PM
1-Naphthylamine	ND		0.41	mg/Kg-dry	1	6/28/2024 08:32 PM
2,3,4,6-Tetrachlorophenol	ND		0.41	mg/Kg-dry	1	6/28/2024 08:32 PM
2,4,5-Trichlorophenol	ND		0.41	mg/Kg-dry	1	6/28/2024 08:32 PM
2,4,6-Trichlorophenol	ND		0.41	mg/Kg-dry	1	6/28/2024 08:32 PM
2,4-Dichlorophenol	ND		0.41	mg/Kg-dry	1	6/28/2024 08:32 PM
2,4-Dimethylphenol	ND		0.41	mg/Kg-dry	1	6/28/2024 08:32 PM
2,4-Dinitrophenol	ND		2.1	mg/Kg-dry	1	6/28/2024 08:32 PM
2,4-Dinitrotoluene	ND		0.41	mg/Kg-dry	1	6/28/2024 08:32 PM
2,6-Dichlorophenol	ND		0.41	mg/Kg-dry	1	6/28/2024 08:32 PM
2,6-Dinitrotoluene	ND		0.41	mg/Kg-dry	1	6/28/2024 08:32 PM
2-Acetylaminofluorene	ND		0.41	mg/Kg-dry	1	6/28/2024 08:32 PM
2-Chloronaphthalene	ND		0.41	mg/Kg-dry	1	6/28/2024 08:32 PM
2-Chlorophenol	ND		0.41	mg/Kg-dry	1	6/28/2024 08:32 PM
2-Methylnaphthalene	ND		0.25	mg/Kg-dry	1	6/28/2024 08:32 PM
2-Methylphenol	ND		0.41	mg/Kg-dry	1	6/28/2024 08:32 PM
2-Naphthylamine	ND		0.41	mg/Kg-dry	1	6/28/2024 08:32 PM
2-Nitroaniline	ND		2.1	mg/Kg-dry	1	6/28/2024 08:32 PM
2-Nitrophenol	ND		0.41	mg/Kg-dry	1	6/28/2024 08:32 PM
2-Picoline	ND		0.41	mg/Kg-dry	1	6/28/2024 08:32 PM
3&4-Methylphenol	ND		0.41	mg/Kg-dry	1	6/28/2024 08:32 PM

Note:

# ALS Environmental

Date: 08-Jul-24

Client: Partners Environmental Consulting, Inc.  
 Project: Former Leake Oil; 448 E. Taggart St., East Palesti  
 Sample ID: SB-38 6-8'  
 Collection Date: 6/17/2024 12:37 PM

Work Order: 24060754  
 Lab ID: 24060754-02  
 Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
3,3'-Dichlorobenzidine	ND		0.83	mg/Kg-dry	1	6/28/2024 08:32 PM
3-Methylcholanthrene	ND		0.41	mg/Kg-dry	1	6/28/2024 08:32 PM
3-Nitroaniline	ND		2.1	mg/Kg-dry	1	6/28/2024 08:32 PM
4,6-Dinitro-2-methylphenol	ND		2.1	mg/Kg-dry	1	6/28/2024 08:32 PM
4-Aminobiphenyl	ND		0.83	mg/Kg-dry	1	6/28/2024 08:32 PM
4-Bromophenyl phenyl ether	ND		0.41	mg/Kg-dry	1	6/28/2024 08:32 PM
4-Chloro-3-methylphenol	ND		0.83	mg/Kg-dry	1	6/28/2024 08:32 PM
4-Chloroaniline	ND		0.83	mg/Kg-dry	1	6/28/2024 08:32 PM
4-Chlorophenyl phenyl ether	ND		0.41	mg/Kg-dry	1	6/28/2024 08:32 PM
4-Nitroaniline	ND		0.83	mg/Kg-dry	1	6/28/2024 08:32 PM
4-Nitrophenol	ND		2.1	mg/Kg-dry	1	6/28/2024 08:32 PM
4-Nitroquinoline 1-oxide	ND		2.1	mg/Kg-dry	1	6/28/2024 08:32 PM
5-Nitro-o-toluidine	ND		0.41	mg/Kg-dry	1	6/28/2024 08:32 PM
7,12-Dimethylbenz(a)anthracene	ND		0.41	mg/Kg-dry	1	6/28/2024 08:32 PM
Acenaphthene	ND		0.25	mg/Kg-dry	1	6/28/2024 08:32 PM
Acenaphthylene	ND		0.25	mg/Kg-dry	1	6/28/2024 08:32 PM
Acetophenone	ND		0.41	mg/Kg-dry	1	6/28/2024 08:32 PM
Aniline	ND		0.41	mg/Kg-dry	1	6/28/2024 08:32 PM
Anthracene	ND		0.25	mg/Kg-dry	1	6/28/2024 08:32 PM
Azobenzene	ND		0.41	mg/Kg-dry	1	6/28/2024 08:32 PM
Benzidine	ND		0.41	mg/Kg-dry	1	6/28/2024 08:32 PM
Benzo(a)anthracene	ND		0.13	mg/Kg-dry	1	6/28/2024 08:32 PM
Benzo(a)pyrene	ND		0.13	mg/Kg-dry	1	6/28/2024 08:32 PM
Benzo(b)fluoranthene	ND		0.25	mg/Kg-dry	1	6/28/2024 08:32 PM
Benzo(g,h,i)perylene	ND		0.25	mg/Kg-dry	1	6/28/2024 08:32 PM
Benzo(k)fluoranthene	ND		0.25	mg/Kg-dry	1	6/28/2024 08:32 PM
Benzyl alcohol	ND		0.83	mg/Kg-dry	1	6/28/2024 08:32 PM
Bis(2-chloroethoxy)methane	ND		0.41	mg/Kg-dry	1	6/28/2024 08:32 PM
Bis(2-chloroethyl)ether	ND		0.41	mg/Kg-dry	1	6/28/2024 08:32 PM
Bis(2-chloroisopropyl)ether	ND		0.41	mg/Kg-dry	1	6/28/2024 08:32 PM
Bis(2-ethylhexyl)phthalate	ND		0.41	mg/Kg-dry	1	6/28/2024 08:32 PM
Butyl benzyl phthalate	ND		0.41	mg/Kg-dry	1	6/28/2024 08:32 PM
Carbazole	ND		0.25	mg/Kg-dry	1	6/28/2024 08:32 PM
Chrysene	ND		0.25	mg/Kg-dry	1	6/28/2024 08:32 PM
Dibenzo(a,h)anthracene	ND		0.13	mg/Kg-dry	1	6/28/2024 08:32 PM
Dibenzofuran	ND		0.25	mg/Kg-dry	1	6/28/2024 08:32 PM
Diethyl phthalate	ND		0.41	mg/Kg-dry	1	6/28/2024 08:32 PM
Dimethyl phthalate	ND		0.41	mg/Kg-dry	1	6/28/2024 08:32 PM
Di-n-butyl phthalate	ND		0.41	mg/Kg-dry	1	6/28/2024 08:32 PM
Di-n-octyl phthalate	ND		0.41	mg/Kg-dry	1	6/28/2024 08:32 PM

Note:

# ALS Environmental

Date: 08-Jul-24

Client: Partners Environmental Consulting, Inc.  
 Project: Former Leake Oil; 448 E. Taggart St., East Palesti  
 Sample ID: SB-38 6-8'  
 Collection Date: 6/17/2024 12:37 PM

Work Order: 24060754  
 Lab ID: 24060754-02  
 Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Dinoseb	ND		0.41	mg/Kg-dry	1	6/28/2024 08:32 PM
Diphenylamine	ND		0.41	mg/Kg-dry	1	6/28/2024 08:32 PM
Ethyl methanesulfonate	ND		0.41	mg/Kg-dry	1	6/28/2024 08:32 PM
Fluoranthene	ND		0.25	mg/Kg-dry	1	6/28/2024 08:32 PM
Fluorene	ND		0.25	mg/Kg-dry	1	6/28/2024 08:32 PM
Hexachlorobenzene	ND		0.41	mg/Kg-dry	1	6/28/2024 08:32 PM
Hexachlorobutadiene	ND		0.41	mg/Kg-dry	1	6/28/2024 08:32 PM
Hexachlorocyclopentadiene	ND		0.41	mg/Kg-dry	1	6/28/2024 08:32 PM
Hexachloroethane	ND		0.41	mg/Kg-dry	1	6/28/2024 08:32 PM
Indeno(1,2,3-cd)pyrene	ND		0.13	mg/Kg-dry	1	6/28/2024 08:32 PM
Isophorone	ND		0.41	mg/Kg-dry	1	6/28/2024 08:32 PM
Isosafrole	ND		0.41	mg/Kg-dry	1	6/28/2024 08:32 PM
Methapyrilene	ND		2.1	mg/Kg-dry	1	6/28/2024 08:32 PM
Methyl methanesulfonate	ND		0.41	mg/Kg-dry	1	6/28/2024 08:32 PM
Naphthalene	ND		0.25	mg/Kg-dry	1	6/28/2024 08:32 PM
Nitrobenzene	ND		0.41	mg/Kg-dry	1	6/28/2024 08:32 PM
N-Nitrosodiethylamine	ND		0.41	mg/Kg-dry	1	6/28/2024 08:32 PM
N-Nitrosodimethylamine	ND		0.41	mg/Kg-dry	1	6/28/2024 08:32 PM
N-Nitroso-di-n-butylamine	ND		0.41	mg/Kg-dry	1	6/28/2024 08:32 PM
N-Nitrosodi-n-propylamine	ND		0.41	mg/Kg-dry	1	6/28/2024 08:32 PM
N-Nitrosomethylethylamine	ND		0.41	mg/Kg-dry	1	6/28/2024 08:32 PM
N-Nitrosomorpholine	ND		0.41	mg/Kg-dry	1	6/28/2024 08:32 PM
N-Nitrosopiperidine	ND		0.41	mg/Kg-dry	1	6/28/2024 08:32 PM
N-Nitrosopyrrolidine	ND		0.41	mg/Kg-dry	1	6/28/2024 08:32 PM
o-Toluidine	ND		2.1	mg/Kg-dry	1	6/28/2024 08:32 PM
p-Dimethylaminoazobenzene	ND		0.41	mg/Kg-dry	1	6/28/2024 08:32 PM
Pentachlorobenzene	ND		0.41	mg/Kg-dry	1	6/28/2024 08:32 PM
Pentachloroethane	ND		0.41	mg/Kg-dry	1	6/28/2024 08:32 PM
Pentachloronitrobenzene	ND		0.83	mg/Kg-dry	1	6/28/2024 08:32 PM
Pentachlorophenol	ND		2.1	mg/Kg-dry	1	6/28/2024 08:32 PM
Phenacetin	ND		0.83	mg/Kg-dry	1	6/28/2024 08:32 PM
Phenanthrene	ND		0.25	mg/Kg-dry	1	6/28/2024 08:32 PM
Phenol	ND		0.41	mg/Kg-dry	1	6/28/2024 08:32 PM
Pyrene	ND		0.25	mg/Kg-dry	1	6/28/2024 08:32 PM
Pyridine	ND		0.41	mg/Kg-dry	1	6/28/2024 08:32 PM
Safrole	ND		0.41	mg/Kg-dry	1	6/28/2024 08:32 PM
Surr: 2,4,6-Tribromophenol	70.1		14.2-136	%REC	1	6/28/2024 08:32 PM
Surr: 2-Fluorobiphenyl	67.3		30-116	%REC	1	6/28/2024 08:32 PM
Surr: 2-Fluorophenol	79.1		5.42-113	%REC	1	6/28/2024 08:32 PM
Surr: 4-Terphenyl-d14	77.3		27.3-138	%REC	1	6/28/2024 08:32 PM

Note:

# ALS Environmental

Date: 08-Jul-24

**Client:** Partners Environmental Consulting, Inc.  
**Project:** Former Leake Oil; 448 E. Taggart St., East Palesti  
**Sample ID:** SB-38 6-8'  
**Collection Date:** 6/17/2024 12:37 PM

**Work Order:** 24060754  
**Lab ID:** 24060754-02  
**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Surr: Nitrobenzene-d5	77.9		23.7-109	%REC	1	6/28/2024 08:32 PM
Surr: Phenol-d6	80.0		13.8-108	%REC	1	6/28/2024 08:32 PM

## VOLATILE ORGANIC COMPOUNDS

SW8260B

Analyst: RA

1,1,1,2-Tetrachloroethane	ND		0.0063	mg/Kg-dry	1	6/26/2024 11:58 AM
1,1,1-Trichloroethane	ND		0.0063	mg/Kg-dry	1	6/26/2024 11:58 AM
1,1,2,2-Tetrachloroethane	ND		0.0063	mg/Kg-dry	1	6/26/2024 11:58 AM
1,1,2-Trichloroethane	ND		0.0063	mg/Kg-dry	1	6/26/2024 11:58 AM
1,1-Dichloroethane	ND		0.0063	mg/Kg-dry	1	6/26/2024 11:58 AM
1,1-Dichloroethene	ND		0.0063	mg/Kg-dry	1	6/26/2024 11:58 AM
1,1-Dichloropropene	ND		0.0063	mg/Kg-dry	1	6/26/2024 11:58 AM
1,2,3-Trichlorobenzene	ND		0.0063	mg/Kg-dry	1	6/26/2024 11:58 AM
1,2,3-Trichloropropane	ND		0.0063	mg/Kg-dry	1	6/26/2024 11:58 AM
1,2,4-Trichlorobenzene	ND		0.0063	mg/Kg-dry	1	6/26/2024 11:58 AM
1,2,4-Trimethylbenzene	ND		0.0063	mg/Kg-dry	1	6/26/2024 11:58 AM
1,2-Dibromo-3-chloropropane	ND		0.0063	mg/Kg-dry	1	6/26/2024 11:58 AM
1,2-Dibromoethane	ND		0.0063	mg/Kg-dry	1	6/26/2024 11:58 AM
1,2-Dichlorobenzene	ND		0.0063	mg/Kg-dry	1	6/26/2024 11:58 AM
1,2-Dichloroethane	ND		0.0063	mg/Kg-dry	1	6/26/2024 11:58 AM
1,2-Dichloropropane	ND		0.0063	mg/Kg-dry	1	6/26/2024 11:58 AM
1,3,5-Trimethylbenzene	ND		0.0063	mg/Kg-dry	1	6/26/2024 11:58 AM
1,3-Dichlorobenzene	ND		0.0063	mg/Kg-dry	1	6/26/2024 11:58 AM
1,3-Dichloropropane	ND		0.0063	mg/Kg-dry	1	6/26/2024 11:58 AM
1,4-Dichlorobenzene	ND		0.0063	mg/Kg-dry	1	6/26/2024 11:58 AM
2,2-Dichloropropane	ND		0.0063	mg/Kg-dry	1	6/26/2024 11:58 AM
2-Butanone	ND		0.063	mg/Kg-dry	1	6/26/2024 11:58 AM
2-Chlorotoluene	ND		0.0063	mg/Kg-dry	1	6/26/2024 11:58 AM
2-Hexanone	ND		0.0063	mg/Kg-dry	1	6/26/2024 11:58 AM
4-Chlorotoluene	ND		0.0063	mg/Kg-dry	1	6/26/2024 11:58 AM
4-Methyl-2-pentanone	ND		0.0063	mg/Kg-dry	1	6/26/2024 11:58 AM
Acetone	ND		0.063	mg/Kg-dry	1	6/26/2024 11:58 AM
Benzene	ND		0.0063	mg/Kg-dry	1	6/26/2024 11:58 AM
Bromobenzene	ND		0.0063	mg/Kg-dry	1	6/26/2024 11:58 AM
Bromochloromethane	ND		0.0063	mg/Kg-dry	1	6/26/2024 11:58 AM
Bromodichloromethane	ND		0.0063	mg/Kg-dry	1	6/26/2024 11:58 AM
Bromoform	ND		0.0063	mg/Kg-dry	1	6/26/2024 11:58 AM
Bromomethane	ND		0.0063	mg/Kg-dry	1	6/26/2024 11:58 AM
Carbon disulfide	ND		0.0063	mg/Kg-dry	1	6/26/2024 11:58 AM
Carbon tetrachloride	ND		0.0063	mg/Kg-dry	1	6/26/2024 11:58 AM
Chlorobenzene	ND		0.0063	mg/Kg-dry	1	6/26/2024 11:58 AM
Chloroethane	ND		0.0063	mg/Kg-dry	1	6/26/2024 11:58 AM

Note:

# ALS Environmental

Date: 08-Jul-24

**Client:** Partners Environmental Consulting, Inc.  
**Project:** Former Leake Oil; 448 E. Taggart St., East Palesti  
**Sample ID:** SB-38 6-8'  
**Collection Date:** 6/17/2024 12:37 PM

**Work Order:** 24060754  
**Lab ID:** 24060754-02  
**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Chloroform	ND		0.0063	mg/Kg-dry	1	6/26/2024 11:58 AM
Chloromethane	ND		0.0063	mg/Kg-dry	1	6/26/2024 11:58 AM
cis-1,2-Dichloroethene	ND		0.0063	mg/Kg-dry	1	6/26/2024 11:58 AM
cis-1,3-Dichloropropene	ND		0.0063	mg/Kg-dry	1	6/26/2024 11:58 AM
Dibromochloromethane	ND		0.0063	mg/Kg-dry	1	6/26/2024 11:58 AM
Dibromomethane	ND		0.0063	mg/Kg-dry	1	6/26/2024 11:58 AM
Dichlorodifluoromethane	ND		0.0063	mg/Kg-dry	1	6/26/2024 11:58 AM
Ethylbenzene	ND		0.0063	mg/Kg-dry	1	6/26/2024 11:58 AM
Hexachlorobutadiene	ND		0.0063	mg/Kg-dry	1	6/26/2024 11:58 AM
Isopropylbenzene	ND		0.0063	mg/Kg-dry	1	6/26/2024 11:58 AM
m,p-Xylene	ND		0.013	mg/Kg-dry	1	6/26/2024 11:58 AM
Methyl tert-butyl ether	ND		0.0063	mg/Kg-dry	1	6/26/2024 11:58 AM
Methylene chloride	ND		0.025	mg/Kg-dry	1	6/26/2024 11:58 AM
Naphthalene	ND		0.0063	mg/Kg-dry	1	6/26/2024 11:58 AM
n-Butylbenzene	ND		0.0063	mg/Kg-dry	1	6/26/2024 11:58 AM
n-Propylbenzene	ND		0.0063	mg/Kg-dry	1	6/26/2024 11:58 AM
o-Xylene	ND		0.0063	mg/Kg-dry	1	6/26/2024 11:58 AM
p-Isopropyltoluene	ND		0.0063	mg/Kg-dry	1	6/26/2024 11:58 AM
sec-Butylbenzene	ND		0.0063	mg/Kg-dry	1	6/26/2024 11:58 AM
Styrene	ND		0.0063	mg/Kg-dry	1	6/26/2024 11:58 AM
tert-Butylbenzene	ND		0.0063	mg/Kg-dry	1	6/26/2024 11:58 AM
Tetrachloroethene	ND		0.0063	mg/Kg-dry	1	6/26/2024 11:58 AM
Toluene	ND		0.0063	mg/Kg-dry	1	6/26/2024 11:58 AM
trans-1,2-Dichloroethene	ND		0.0063	mg/Kg-dry	1	6/26/2024 11:58 AM
trans-1,3-Dichloropropene	ND		0.0063	mg/Kg-dry	1	6/26/2024 11:58 AM
Trichloroethene	ND		0.0063	mg/Kg-dry	1	6/26/2024 11:58 AM
Trichlorofluoromethane	ND		0.0063	mg/Kg-dry	1	6/26/2024 11:58 AM
Vinyl chloride	ND		0.0063	mg/Kg-dry	1	6/26/2024 11:58 AM
Xylenes, Total	ND		0.019	mg/Kg-dry	1	6/26/2024 11:58 AM
Surr: 4-Bromofluorobenzene	128		78.9-128	%REC	1	6/26/2024 11:58 AM
Surr: Dibromofluoromethane	102		79.1-140	%REC	1	6/26/2024 11:58 AM
Surr: Toluene-d8	108		84.5-124	%REC	1	6/26/2024 11:58 AM

Note:

# ALS Environmental

Date: 08-Jul-24

**Client:** Partners Environmental Consulting, Inc.  
**Project:** Former Leake Oil; 448 E. Taggart St., East Palesti  
**Sample ID:** SB-39 4-6'  
**Collection Date:** 6/17/2024 01:14 PM

**Work Order:** 24060754  
**Lab ID:** 24060754-03  
**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>DIESEL RANGE ORGANICS AND OIL RANGE ORGANICS</b>			<b>SW8015B</b>	Prep: SW3546 6/27/24 15:53		Analyst: <b>TME</b>
TPH C10-C20	ND		15	mg/Kg-dry	1	6/28/2024 02:44 AM
TPH C20-C34	ND		15	mg/Kg-dry	1	6/28/2024 02:44 AM
Surr: Nonane	56.2		13.1-113	%REC	1	6/28/2024 02:44 AM
Surr: Pentacosane	48.4		28.2-111	%REC	1	6/28/2024 02:44 AM
<b>GASOLINE RANGE ORGANICS (C6-C12)</b>			<b>SW8015A</b>	Prep: SW3546 6/27/24 15:53		Analyst: <b>LAK</b>
TPH C6-C12	ND		2.3	mg/Kg-dry	1	6/27/2024 04:06 PM
Surr: Cyclooctane	81.1		65.2-156	%REC	1	6/27/2024 04:06 PM
<b>MOISTURE</b>			<b>SM2540B</b>	Prep: SW3546 6/27/24 15:53		Analyst: <b>CS</b>
Moisture	13			% of sample	1	6/21/2024
<b>SEMI-VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8270C</b>	Prep: SW3546 6/28/24 09:27		Analyst: <b>DTL</b>
1,2,4,5-Tetrachlorobenzene	ND		0.38	mg/Kg-dry	1	6/28/2024 08:47 PM
1,2,4-Trichlorobenzene	ND		0.38	mg/Kg-dry	1	6/28/2024 08:47 PM
1,2-Dichlorobenzene	ND		0.38	mg/Kg-dry	1	6/28/2024 08:47 PM
1,3-Dichlorobenzene	ND		0.38	mg/Kg-dry	1	6/28/2024 08:47 PM
1,3-Dinitrobenzene	ND		0.38	mg/Kg-dry	1	6/28/2024 08:47 PM
1,4-Dichlorobenzene	ND		0.38	mg/Kg-dry	1	6/28/2024 08:47 PM
1-Methylnaphthalene	ND		0.23	mg/Kg-dry	1	6/28/2024 08:47 PM
1-Naphthylamine	ND		0.38	mg/Kg-dry	1	6/28/2024 08:47 PM
2,3,4,6-Tetrachlorophenol	ND		0.38	mg/Kg-dry	1	6/28/2024 08:47 PM
2,4,5-Trichlorophenol	ND		0.38	mg/Kg-dry	1	6/28/2024 08:47 PM
2,4,6-Trichlorophenol	ND		0.38	mg/Kg-dry	1	6/28/2024 08:47 PM
2,4-Dichlorophenol	ND		0.38	mg/Kg-dry	1	6/28/2024 08:47 PM
2,4-Dimethylphenol	ND		0.38	mg/Kg-dry	1	6/28/2024 08:47 PM
2,4-Dinitrophenol	ND		1.9	mg/Kg-dry	1	6/28/2024 08:47 PM
2,4-Dinitrotoluene	ND		0.38	mg/Kg-dry	1	6/28/2024 08:47 PM
2,6-Dichlorophenol	ND		0.38	mg/Kg-dry	1	6/28/2024 08:47 PM
2,6-Dinitrotoluene	ND		0.38	mg/Kg-dry	1	6/28/2024 08:47 PM
2-Acetylaminofluorene	ND		0.38	mg/Kg-dry	1	6/28/2024 08:47 PM
2-Chloronaphthalene	ND		0.38	mg/Kg-dry	1	6/28/2024 08:47 PM
2-Chlorophenol	ND		0.38	mg/Kg-dry	1	6/28/2024 08:47 PM
2-Methylnaphthalene	ND		0.23	mg/Kg-dry	1	6/28/2024 08:47 PM
2-Methylphenol	ND		0.38	mg/Kg-dry	1	6/28/2024 08:47 PM
2-Naphthylamine	ND		0.38	mg/Kg-dry	1	6/28/2024 08:47 PM
2-Nitroaniline	ND		1.9	mg/Kg-dry	1	6/28/2024 08:47 PM
2-Nitrophenol	ND		0.38	mg/Kg-dry	1	6/28/2024 08:47 PM
2-Picoline	ND		0.38	mg/Kg-dry	1	6/28/2024 08:47 PM
3&4-Methylphenol	ND		0.38	mg/Kg-dry	1	6/28/2024 08:47 PM

Note:

# ALS Environmental

Date: 08-Jul-24

**Client:** Partners Environmental Consulting, Inc.  
**Project:** Former Leake Oil; 448 E. Taggert St., East Palesti  
**Sample ID:** SB-39 4-6'  
**Collection Date:** 6/17/2024 01:14 PM

**Work Order:** 24060754  
**Lab ID:** 24060754-03  
**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
3,3'-Dichlorobenzidine	ND		0.76	mg/Kg-dry	1	6/28/2024 08:47 PM
3-Methylcholanthrene	ND		0.38	mg/Kg-dry	1	6/28/2024 08:47 PM
3-Nitroaniline	ND		1.9	mg/Kg-dry	1	6/28/2024 08:47 PM
4,6-Dinitro-2-methylphenol	ND		1.9	mg/Kg-dry	1	6/28/2024 08:47 PM
4-Aminobiphenyl	ND		0.76	mg/Kg-dry	1	6/28/2024 08:47 PM
4-Bromophenyl phenyl ether	ND		0.38	mg/Kg-dry	1	6/28/2024 08:47 PM
4-Chloro-3-methylphenol	ND		0.76	mg/Kg-dry	1	6/28/2024 08:47 PM
4-Chloroaniline	ND		0.76	mg/Kg-dry	1	6/28/2024 08:47 PM
4-Chlorophenyl phenyl ether	ND		0.38	mg/Kg-dry	1	6/28/2024 08:47 PM
4-Nitroaniline	ND		0.76	mg/Kg-dry	1	6/28/2024 08:47 PM
4-Nitrophenol	ND		1.9	mg/Kg-dry	1	6/28/2024 08:47 PM
4-Nitroquinoline 1-oxide	ND		1.9	mg/Kg-dry	1	6/28/2024 08:47 PM
5-Nitro-o-toluidine	ND		0.38	mg/Kg-dry	1	6/28/2024 08:47 PM
7,12-Dimethylbenz(a)anthracene	ND		0.38	mg/Kg-dry	1	6/28/2024 08:47 PM
Acenaphthene	ND		0.23	mg/Kg-dry	1	6/28/2024 08:47 PM
Acenaphthylene	ND		0.23	mg/Kg-dry	1	6/28/2024 08:47 PM
Acetophenone	ND		0.38	mg/Kg-dry	1	6/28/2024 08:47 PM
Aniline	ND		0.38	mg/Kg-dry	1	6/28/2024 08:47 PM
Anthracene	ND		0.23	mg/Kg-dry	1	6/28/2024 08:47 PM
Azobenzene	ND		0.38	mg/Kg-dry	1	6/28/2024 08:47 PM
Benzidine	ND		0.38	mg/Kg-dry	1	6/28/2024 08:47 PM
Benzo(a)anthracene	ND		0.11	mg/Kg-dry	1	6/28/2024 08:47 PM
Benzo(a)pyrene	ND		0.11	mg/Kg-dry	1	6/28/2024 08:47 PM
Benzo(b)fluoranthene	ND		0.23	mg/Kg-dry	1	6/28/2024 08:47 PM
Benzo(g,h,i)perylene	ND		0.23	mg/Kg-dry	1	6/28/2024 08:47 PM
Benzo(k)fluoranthene	ND		0.23	mg/Kg-dry	1	6/28/2024 08:47 PM
Benzyl alcohol	ND		0.76	mg/Kg-dry	1	6/28/2024 08:47 PM
Bis(2-chloroethoxy)methane	ND		0.38	mg/Kg-dry	1	6/28/2024 08:47 PM
Bis(2-chloroethyl)ether	ND		0.38	mg/Kg-dry	1	6/28/2024 08:47 PM
Bis(2-chloroisopropyl)ether	ND		0.38	mg/Kg-dry	1	6/28/2024 08:47 PM
Bis(2-ethylhexyl)phthalate	ND		0.38	mg/Kg-dry	1	6/28/2024 08:47 PM
Butyl benzyl phthalate	ND		0.38	mg/Kg-dry	1	6/28/2024 08:47 PM
Carbazole	ND		0.23	mg/Kg-dry	1	6/28/2024 08:47 PM
Chrysene	ND		0.23	mg/Kg-dry	1	6/28/2024 08:47 PM
Dibenzo(a,h)anthracene	ND		0.11	mg/Kg-dry	1	6/28/2024 08:47 PM
Dibenzofuran	ND		0.23	mg/Kg-dry	1	6/28/2024 08:47 PM
Diethyl phthalate	ND		0.38	mg/Kg-dry	1	6/28/2024 08:47 PM
Dimethyl phthalate	ND		0.38	mg/Kg-dry	1	6/28/2024 08:47 PM
Di-n-butyl phthalate	ND		0.38	mg/Kg-dry	1	6/28/2024 08:47 PM
Di-n-octyl phthalate	ND		0.38	mg/Kg-dry	1	6/28/2024 08:47 PM

**Note:**



# ALS Environmental

Date: 08-Jul-24

**Client:** Partners Environmental Consulting, Inc.  
**Project:** Former Leake Oil; 448 E. Taggart St., East Palesti  
**Sample ID:** SB-39 4-6'  
**Collection Date:** 6/17/2024 01:14 PM

**Work Order:** 24060754  
**Lab ID:** 24060754-03  
**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Dinoseb	ND		0.38	mg/Kg-dry	1	6/28/2024 08:47 PM
Diphenylamine	ND		0.38	mg/Kg-dry	1	6/28/2024 08:47 PM
Ethyl methanesulfonate	ND		0.38	mg/Kg-dry	1	6/28/2024 08:47 PM
Fluoranthene	ND		0.23	mg/Kg-dry	1	6/28/2024 08:47 PM
Fluorene	ND		0.23	mg/Kg-dry	1	6/28/2024 08:47 PM
Hexachlorobenzene	ND		0.38	mg/Kg-dry	1	6/28/2024 08:47 PM
Hexachlorobutadiene	ND		0.38	mg/Kg-dry	1	6/28/2024 08:47 PM
Hexachlorocyclopentadiene	ND		0.38	mg/Kg-dry	1	6/28/2024 08:47 PM
Hexachloroethane	ND		0.38	mg/Kg-dry	1	6/28/2024 08:47 PM
Indeno(1,2,3-cd)pyrene	ND		0.11	mg/Kg-dry	1	6/28/2024 08:47 PM
Isophorone	ND		0.38	mg/Kg-dry	1	6/28/2024 08:47 PM
Isosafrole	ND		0.38	mg/Kg-dry	1	6/28/2024 08:47 PM
Methapyrilene	ND		1.9	mg/Kg-dry	1	6/28/2024 08:47 PM
Methyl methanesulfonate	ND		0.38	mg/Kg-dry	1	6/28/2024 08:47 PM
Naphthalene	ND		0.23	mg/Kg-dry	1	6/28/2024 08:47 PM
Nitrobenzene	ND		0.38	mg/Kg-dry	1	6/28/2024 08:47 PM
N-Nitrosodiethylamine	ND		0.38	mg/Kg-dry	1	6/28/2024 08:47 PM
N-Nitrosodimethylamine	ND		0.38	mg/Kg-dry	1	6/28/2024 08:47 PM
N-Nitroso-di-n-butylamine	ND		0.38	mg/Kg-dry	1	6/28/2024 08:47 PM
N-Nitrosodi-n-propylamine	ND		0.38	mg/Kg-dry	1	6/28/2024 08:47 PM
N-Nitrosomethylethylamine	ND		0.38	mg/Kg-dry	1	6/28/2024 08:47 PM
N-Nitrosomorpholine	ND		0.38	mg/Kg-dry	1	6/28/2024 08:47 PM
N-Nitrosopiperidine	ND		0.38	mg/Kg-dry	1	6/28/2024 08:47 PM
N-Nitrosopyrrolidine	ND		0.38	mg/Kg-dry	1	6/28/2024 08:47 PM
o-Toluidine	ND		1.9	mg/Kg-dry	1	6/28/2024 08:47 PM
p-Dimethylaminoazobenzene	ND		0.38	mg/Kg-dry	1	6/28/2024 08:47 PM
Pentachlorobenzene	ND		0.38	mg/Kg-dry	1	6/28/2024 08:47 PM
Pentachloroethane	ND		0.38	mg/Kg-dry	1	6/28/2024 08:47 PM
Pentachloronitrobenzene	ND		0.76	mg/Kg-dry	1	6/28/2024 08:47 PM
Pentachlorophenol	ND		1.9	mg/Kg-dry	1	6/28/2024 08:47 PM
Phenacetin	ND		0.76	mg/Kg-dry	1	6/28/2024 08:47 PM
Phenanthrene	ND		0.23	mg/Kg-dry	1	6/28/2024 08:47 PM
Phenol	ND		0.38	mg/Kg-dry	1	6/28/2024 08:47 PM
Pyrene	ND		0.23	mg/Kg-dry	1	6/28/2024 08:47 PM
Pyridine	ND		0.38	mg/Kg-dry	1	6/28/2024 08:47 PM
Safrole	ND		0.38	mg/Kg-dry	1	6/28/2024 08:47 PM
Surr: 2,4,6-Tribromophenol	71.7		14.2-136	%REC	1	6/28/2024 08:47 PM
Surr: 2-Fluorobiphenyl	64.7		30-116	%REC	1	6/28/2024 08:47 PM
Surr: 2-Fluorophenol	72.8		5.42-113	%REC	1	6/28/2024 08:47 PM
Surr: 4-Terphenyl-d14	75.1		27.3-138	%REC	1	6/28/2024 08:47 PM

Note:

# ALS Environmental

Date: 08-Jul-24

**Client:** Partners Environmental Consulting, Inc.  
**Project:** Former Leake Oil; 448 E. Taggart St., East Palesti  
**Sample ID:** SB-39 4-6'  
**Collection Date:** 6/17/2024 01:14 PM

**Work Order:** 24060754  
**Lab ID:** 24060754-03  
**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Surr: Nitrobenzene-d5	72.0		23.7-109	%REC	1	6/28/2024 08:47 PM
Surr: Phenol-d6	74.0		13.8-108	%REC	1	6/28/2024 08:47 PM
<b>VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8260B</b>		<b>Analyst: RA</b>	
1,1,1,2-Tetrachloroethane	ND		0.0057	mg/Kg-dry	1	6/25/2024 02:06 AM
1,1,1-Trichloroethane	ND		0.0057	mg/Kg-dry	1	6/25/2024 02:06 AM
1,1,2,2-Tetrachloroethane	ND		0.0057	mg/Kg-dry	1	6/25/2024 02:06 AM
1,1,2-Trichloroethane	ND		0.0057	mg/Kg-dry	1	6/25/2024 02:06 AM
1,1-Dichloroethane	ND		0.0057	mg/Kg-dry	1	6/25/2024 02:06 AM
1,1-Dichloroethene	ND		0.0057	mg/Kg-dry	1	6/25/2024 02:06 AM
1,1-Dichloropropene	ND		0.0057	mg/Kg-dry	1	6/25/2024 02:06 AM
1,2,3-Trichlorobenzene	ND		0.0057	mg/Kg-dry	1	6/25/2024 02:06 AM
1,2,3-Trichloropropane	ND		0.0057	mg/Kg-dry	1	6/25/2024 02:06 AM
1,2,4-Trichlorobenzene	ND		0.0057	mg/Kg-dry	1	6/25/2024 02:06 AM
1,2,4-Trimethylbenzene	ND		0.0057	mg/Kg-dry	1	6/25/2024 02:06 AM
1,2-Dibromo-3-chloropropane	ND		0.0057	mg/Kg-dry	1	6/25/2024 02:06 AM
1,2-Dibromoethane	ND		0.0057	mg/Kg-dry	1	6/25/2024 02:06 AM
1,2-Dichlorobenzene	ND		0.0057	mg/Kg-dry	1	6/25/2024 02:06 AM
1,2-Dichloroethane	ND		0.0057	mg/Kg-dry	1	6/25/2024 02:06 AM
1,2-Dichloropropane	ND		0.0057	mg/Kg-dry	1	6/25/2024 02:06 AM
1,3,5-Trimethylbenzene	ND		0.0057	mg/Kg-dry	1	6/25/2024 02:06 AM
1,3-Dichlorobenzene	ND		0.0057	mg/Kg-dry	1	6/25/2024 02:06 AM
1,3-Dichloropropane	ND		0.0057	mg/Kg-dry	1	6/25/2024 02:06 AM
1,4-Dichlorobenzene	ND		0.0057	mg/Kg-dry	1	6/25/2024 02:06 AM
2,2-Dichloropropane	ND		0.0057	mg/Kg-dry	1	6/25/2024 02:06 AM
2-Butanone	ND		0.057	mg/Kg-dry	1	6/25/2024 02:06 AM
2-Chlorotoluene	ND		0.0057	mg/Kg-dry	1	6/25/2024 02:06 AM
2-Hexanone	ND		0.0057	mg/Kg-dry	1	6/25/2024 02:06 AM
4-Chlorotoluene	ND		0.0057	mg/Kg-dry	1	6/25/2024 02:06 AM
4-Methyl-2-pentanone	ND		0.0057	mg/Kg-dry	1	6/25/2024 02:06 AM
Acetone	ND		0.057	mg/Kg-dry	1	6/25/2024 02:06 AM
Benzene	ND		0.0057	mg/Kg-dry	1	6/25/2024 02:06 AM
Bromobenzene	ND		0.0057	mg/Kg-dry	1	6/25/2024 02:06 AM
Bromochloromethane	ND		0.0057	mg/Kg-dry	1	6/25/2024 02:06 AM
Bromodichloromethane	ND		0.0057	mg/Kg-dry	1	6/25/2024 02:06 AM
Bromoform	ND		0.0057	mg/Kg-dry	1	6/25/2024 02:06 AM
Bromomethane	ND		0.0057	mg/Kg-dry	1	6/25/2024 02:06 AM
Carbon disulfide	ND		0.0057	mg/Kg-dry	1	6/25/2024 02:06 AM
Carbon tetrachloride	ND		0.0057	mg/Kg-dry	1	6/25/2024 02:06 AM
Chlorobenzene	ND		0.0057	mg/Kg-dry	1	6/25/2024 02:06 AM
Chloroethane	ND		0.0057	mg/Kg-dry	1	6/25/2024 02:06 AM

Note:

# ALS Environmental

Date: 08-Jul-24

**Client:** Partners Environmental Consulting, Inc.  
**Project:** Former Leake Oil; 448 E. Taggart St., East Palesti  
**Sample ID:** SB-39 4-6'  
**Collection Date:** 6/17/2024 01:14 PM

**Work Order:** 24060754  
**Lab ID:** 24060754-03  
**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Chloroform	ND		0.0057	mg/Kg-dry	1	6/25/2024 02:06 AM
Chloromethane	ND		0.0057	mg/Kg-dry	1	6/25/2024 02:06 AM
cis-1,2-Dichloroethene	ND		0.0057	mg/Kg-dry	1	6/25/2024 02:06 AM
cis-1,3-Dichloropropene	ND		0.0057	mg/Kg-dry	1	6/25/2024 02:06 AM
Dibromochloromethane	ND		0.0057	mg/Kg-dry	1	6/25/2024 02:06 AM
Dibromomethane	ND		0.0057	mg/Kg-dry	1	6/25/2024 02:06 AM
Dichlorodifluoromethane	ND		0.0057	mg/Kg-dry	1	6/25/2024 02:06 AM
Ethylbenzene	ND		0.0057	mg/Kg-dry	1	6/25/2024 02:06 AM
Hexachlorobutadiene	ND		0.0057	mg/Kg-dry	1	6/25/2024 02:06 AM
Isopropylbenzene	ND		0.0057	mg/Kg-dry	1	6/25/2024 02:06 AM
m,p-Xylene	ND		0.011	mg/Kg-dry	1	6/25/2024 02:06 AM
Methyl tert-butyl ether	ND		0.0057	mg/Kg-dry	1	6/25/2024 02:06 AM
Methylene chloride	ND		0.023	mg/Kg-dry	1	6/25/2024 02:06 AM
Naphthalene	ND		0.0057	mg/Kg-dry	1	6/25/2024 02:06 AM
n-Butylbenzene	ND		0.0057	mg/Kg-dry	1	6/25/2024 02:06 AM
n-Propylbenzene	ND		0.0057	mg/Kg-dry	1	6/25/2024 02:06 AM
o-Xylene	ND		0.0057	mg/Kg-dry	1	6/25/2024 02:06 AM
p-Isopropyltoluene	ND		0.0057	mg/Kg-dry	1	6/25/2024 02:06 AM
sec-Butylbenzene	ND		0.0057	mg/Kg-dry	1	6/25/2024 02:06 AM
Styrene	ND		0.0057	mg/Kg-dry	1	6/25/2024 02:06 AM
tert-Butylbenzene	ND		0.0057	mg/Kg-dry	1	6/25/2024 02:06 AM
Tetrachloroethene	ND		0.0057	mg/Kg-dry	1	6/25/2024 02:06 AM
Toluene	ND		0.0057	mg/Kg-dry	1	6/25/2024 02:06 AM
trans-1,2-Dichloroethene	ND		0.0057	mg/Kg-dry	1	6/25/2024 02:06 AM
trans-1,3-Dichloropropene	ND		0.0057	mg/Kg-dry	1	6/25/2024 02:06 AM
Trichloroethene	ND		0.0057	mg/Kg-dry	1	6/25/2024 02:06 AM
Trichlorofluoromethane	ND		0.0057	mg/Kg-dry	1	6/25/2024 02:06 AM
Vinyl chloride	ND		0.0057	mg/Kg-dry	1	6/25/2024 02:06 AM
Xylenes, Total	ND		0.017	mg/Kg-dry	1	6/25/2024 02:06 AM
Surr: 4-Bromofluorobenzene	101		78.9-128	%REC	1	6/25/2024 02:06 AM
Surr: Dibromofluoromethane	104		79.1-140	%REC	1	6/25/2024 02:06 AM
Surr: Toluene-d8	102		84.5-124	%REC	1	6/25/2024 02:06 AM

Note:

# ALS Environmental

Date: 08-Jul-24

**Client:** Partners Environmental Consulting, Inc.  
**Project:** Former Leake Oil; 448 E. Taggart St., East Palesti  
**Sample ID:** SB-39 6-8'  
**Collection Date:** 6/17/2024 01:14 PM

**Work Order:** 24060754  
**Lab ID:** 24060754-04  
**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>DIESEL RANGE ORGANICS AND OIL RANGE ORGANICS</b>			<b>SW8015B</b>	Prep: SW3546 6/27/24 15:53		Analyst: <b>TME</b>
TPH C10-C20	ND		16	mg/Kg-dry	1	6/28/2024 03:03 AM
TPH C20-C34	ND		16	mg/Kg-dry	1	6/28/2024 03:03 AM
Surr: Nonane	39.9		13.1-113	%REC	1	6/28/2024 03:03 AM
Surr: Pentacosane	49.5		28.2-111	%REC	1	6/28/2024 03:03 AM
<b>GASOLINE RANGE ORGANICS (C6-C12)</b>			<b>SW8015A</b>	Prep: SW3546 6/27/24 15:53		Analyst: <b>LAK</b>
TPH C6-C12	ND		2.4	mg/Kg-dry	1	6/27/2024 04:32 PM
Surr: Cyclooctane	91.9		65.2-156	%REC	1	6/27/2024 04:32 PM
<b>MOISTURE</b>			<b>SM2540B</b>	Prep: SW3546 6/27/24 15:53		Analyst: <b>CS</b>
Moisture	17			% of sample	1	6/21/2024
<b>SEMI-VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8270C</b>	Prep: SW3546 6/28/24 09:27		Analyst: <b>DTL</b>
1,2,4,5-Tetrachlorobenzene	ND		0.40	mg/Kg-dry	1	6/28/2024 09:02 PM
1,2,4-Trichlorobenzene	ND		0.40	mg/Kg-dry	1	6/28/2024 09:02 PM
1,2-Dichlorobenzene	ND		0.40	mg/Kg-dry	1	6/28/2024 09:02 PM
1,3-Dichlorobenzene	ND		0.40	mg/Kg-dry	1	6/28/2024 09:02 PM
1,3-Dinitrobenzene	ND		0.40	mg/Kg-dry	1	6/28/2024 09:02 PM
1,4-Dichlorobenzene	ND		0.40	mg/Kg-dry	1	6/28/2024 09:02 PM
1-Methylnaphthalene	ND		0.24	mg/Kg-dry	1	6/28/2024 09:02 PM
1-Naphthylamine	ND		0.40	mg/Kg-dry	1	6/28/2024 09:02 PM
2,3,4,6-Tetrachlorophenol	ND		0.40	mg/Kg-dry	1	6/28/2024 09:02 PM
2,4,5-Trichlorophenol	ND		0.40	mg/Kg-dry	1	6/28/2024 09:02 PM
2,4,6-Trichlorophenol	ND		0.40	mg/Kg-dry	1	6/28/2024 09:02 PM
2,4-Dichlorophenol	ND		0.40	mg/Kg-dry	1	6/28/2024 09:02 PM
2,4-Dimethylphenol	ND		0.40	mg/Kg-dry	1	6/28/2024 09:02 PM
2,4-Dinitrophenol	ND		2.0	mg/Kg-dry	1	6/28/2024 09:02 PM
2,4-Dinitrotoluene	ND		0.40	mg/Kg-dry	1	6/28/2024 09:02 PM
2,6-Dichlorophenol	ND		0.40	mg/Kg-dry	1	6/28/2024 09:02 PM
2,6-Dinitrotoluene	ND		0.40	mg/Kg-dry	1	6/28/2024 09:02 PM
2-Acetylaminofluorene	ND		0.40	mg/Kg-dry	1	6/28/2024 09:02 PM
2-Chloronaphthalene	ND		0.40	mg/Kg-dry	1	6/28/2024 09:02 PM
2-Chlorophenol	ND		0.40	mg/Kg-dry	1	6/28/2024 09:02 PM
2-Methylnaphthalene	ND		0.24	mg/Kg-dry	1	6/28/2024 09:02 PM
2-Methylphenol	ND		0.40	mg/Kg-dry	1	6/28/2024 09:02 PM
2-Naphthylamine	ND		0.40	mg/Kg-dry	1	6/28/2024 09:02 PM
2-Nitroaniline	ND		2.0	mg/Kg-dry	1	6/28/2024 09:02 PM
2-Nitrophenol	ND		0.40	mg/Kg-dry	1	6/28/2024 09:02 PM
2-Picoline	ND		0.40	mg/Kg-dry	1	6/28/2024 09:02 PM
3&4-Methylphenol	ND		0.40	mg/Kg-dry	1	6/28/2024 09:02 PM

Note:

# ALS Environmental

Date: 08-Jul-24

Client: Partners Environmental Consulting, Inc.  
 Project: Former Leake Oil; 448 E. Taggart St., East Palesti  
 Sample ID: SB-39 6-8'  
 Collection Date: 6/17/2024 01:14 PM

Work Order: 24060754  
 Lab ID: 24060754-04  
 Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
3,3'-Dichlorobenzidine	ND		0.80	mg/Kg-dry	1	6/28/2024 09:02 PM
3-Methylcholanthrene	ND		0.40	mg/Kg-dry	1	6/28/2024 09:02 PM
3-Nitroaniline	ND		2.0	mg/Kg-dry	1	6/28/2024 09:02 PM
4,6-Dinitro-2-methylphenol	ND		2.0	mg/Kg-dry	1	6/28/2024 09:02 PM
4-Aminobiphenyl	ND		0.80	mg/Kg-dry	1	6/28/2024 09:02 PM
4-Bromophenyl phenyl ether	ND		0.40	mg/Kg-dry	1	6/28/2024 09:02 PM
4-Chloro-3-methylphenol	ND		0.80	mg/Kg-dry	1	6/28/2024 09:02 PM
4-Chloroaniline	ND		0.80	mg/Kg-dry	1	6/28/2024 09:02 PM
4-Chlorophenyl phenyl ether	ND		0.40	mg/Kg-dry	1	6/28/2024 09:02 PM
4-Nitroaniline	ND		0.80	mg/Kg-dry	1	6/28/2024 09:02 PM
4-Nitrophenol	ND		2.0	mg/Kg-dry	1	6/28/2024 09:02 PM
4-Nitroquinoline 1-oxide	ND		2.0	mg/Kg-dry	1	6/28/2024 09:02 PM
5-Nitro-o-toluidine	ND		0.40	mg/Kg-dry	1	6/28/2024 09:02 PM
7,12-Dimethylbenz(a)anthracene	ND		0.40	mg/Kg-dry	1	6/28/2024 09:02 PM
Acenaphthene	ND		0.24	mg/Kg-dry	1	6/28/2024 09:02 PM
Acenaphthylene	ND		0.24	mg/Kg-dry	1	6/28/2024 09:02 PM
Acetophenone	ND		0.40	mg/Kg-dry	1	6/28/2024 09:02 PM
Aniline	ND		0.40	mg/Kg-dry	1	6/28/2024 09:02 PM
Anthracene	ND		0.24	mg/Kg-dry	1	6/28/2024 09:02 PM
Azobenzene	ND		0.40	mg/Kg-dry	1	6/28/2024 09:02 PM
Benzidine	ND		0.40	mg/Kg-dry	1	6/28/2024 09:02 PM
Benzo(a)anthracene	ND		0.12	mg/Kg-dry	1	6/28/2024 09:02 PM
Benzo(a)pyrene	ND		0.12	mg/Kg-dry	1	6/28/2024 09:02 PM
Benzo(b)fluoranthene	ND		0.24	mg/Kg-dry	1	6/28/2024 09:02 PM
Benzo(g,h,i)perylene	ND		0.24	mg/Kg-dry	1	6/28/2024 09:02 PM
Benzo(k)fluoranthene	ND		0.24	mg/Kg-dry	1	6/28/2024 09:02 PM
Benzyl alcohol	ND		0.80	mg/Kg-dry	1	6/28/2024 09:02 PM
Bis(2-chloroethoxy)methane	ND		0.40	mg/Kg-dry	1	6/28/2024 09:02 PM
Bis(2-chloroethyl)ether	ND		0.40	mg/Kg-dry	1	6/28/2024 09:02 PM
Bis(2-chloroisopropyl)ether	ND		0.40	mg/Kg-dry	1	6/28/2024 09:02 PM
Bis(2-ethylhexyl)phthalate	ND		0.40	mg/Kg-dry	1	6/28/2024 09:02 PM
Butyl benzyl phthalate	ND		0.40	mg/Kg-dry	1	6/28/2024 09:02 PM
Carbazole	ND		0.24	mg/Kg-dry	1	6/28/2024 09:02 PM
Chrysene	ND		0.24	mg/Kg-dry	1	6/28/2024 09:02 PM
Dibenzo(a,h)anthracene	ND		0.12	mg/Kg-dry	1	6/28/2024 09:02 PM
Dibenzofuran	ND		0.24	mg/Kg-dry	1	6/28/2024 09:02 PM
Diethyl phthalate	ND		0.40	mg/Kg-dry	1	6/28/2024 09:02 PM
Dimethyl phthalate	ND		0.40	mg/Kg-dry	1	6/28/2024 09:02 PM
Di-n-butyl phthalate	ND		0.40	mg/Kg-dry	1	6/28/2024 09:02 PM
Di-n-octyl phthalate	ND		0.40	mg/Kg-dry	1	6/28/2024 09:02 PM

Note:

# ALS Environmental

Date: 08-Jul-24

**Client:** Partners Environmental Consulting, Inc.  
**Project:** Former Leake Oil; 448 E. Taggart St., East Palesti  
**Sample ID:** SB-39 6-8'  
**Collection Date:** 6/17/2024 01:14 PM

**Work Order:** 24060754  
**Lab ID:** 24060754-04  
**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Dinoseb	ND		0.40	mg/Kg-dry	1	6/28/2024 09:02 PM
Diphenylamine	ND		0.40	mg/Kg-dry	1	6/28/2024 09:02 PM
Ethyl methanesulfonate	ND		0.40	mg/Kg-dry	1	6/28/2024 09:02 PM
Fluoranthene	ND		0.24	mg/Kg-dry	1	6/28/2024 09:02 PM
Fluorene	ND		0.24	mg/Kg-dry	1	6/28/2024 09:02 PM
Hexachlorobenzene	ND		0.40	mg/Kg-dry	1	6/28/2024 09:02 PM
Hexachlorobutadiene	ND		0.40	mg/Kg-dry	1	6/28/2024 09:02 PM
Hexachlorocyclopentadiene	ND		0.40	mg/Kg-dry	1	6/28/2024 09:02 PM
Hexachloroethane	ND		0.40	mg/Kg-dry	1	6/28/2024 09:02 PM
Indeno(1,2,3-cd)pyrene	ND		0.12	mg/Kg-dry	1	6/28/2024 09:02 PM
Isophorone	ND		0.40	mg/Kg-dry	1	6/28/2024 09:02 PM
Isosafrole	ND		0.40	mg/Kg-dry	1	6/28/2024 09:02 PM
Methapyrilene	ND		2.0	mg/Kg-dry	1	6/28/2024 09:02 PM
Methyl methanesulfonate	ND		0.40	mg/Kg-dry	1	6/28/2024 09:02 PM
Naphthalene	ND		0.24	mg/Kg-dry	1	6/28/2024 09:02 PM
Nitrobenzene	ND		0.40	mg/Kg-dry	1	6/28/2024 09:02 PM
N-Nitrosodiethylamine	ND		0.40	mg/Kg-dry	1	6/28/2024 09:02 PM
N-Nitrosodimethylamine	ND		0.40	mg/Kg-dry	1	6/28/2024 09:02 PM
N-Nitroso-di-n-butylamine	ND		0.40	mg/Kg-dry	1	6/28/2024 09:02 PM
N-Nitrosodi-n-propylamine	ND		0.40	mg/Kg-dry	1	6/28/2024 09:02 PM
N-Nitrosomethylethylamine	ND		0.40	mg/Kg-dry	1	6/28/2024 09:02 PM
N-Nitrosomorpholine	ND		0.40	mg/Kg-dry	1	6/28/2024 09:02 PM
N-Nitrosopiperidine	ND		0.40	mg/Kg-dry	1	6/28/2024 09:02 PM
N-Nitrosopyrrolidine	ND		0.40	mg/Kg-dry	1	6/28/2024 09:02 PM
o-Toluidine	ND		2.0	mg/Kg-dry	1	6/28/2024 09:02 PM
p-Dimethylaminoazobenzene	ND		0.40	mg/Kg-dry	1	6/28/2024 09:02 PM
Pentachlorobenzene	ND		0.40	mg/Kg-dry	1	6/28/2024 09:02 PM
Pentachloroethane	ND		0.40	mg/Kg-dry	1	6/28/2024 09:02 PM
Pentachloronitrobenzene	ND		0.80	mg/Kg-dry	1	6/28/2024 09:02 PM
Pentachlorophenol	ND		2.0	mg/Kg-dry	1	6/28/2024 09:02 PM
Phenacetin	ND		0.80	mg/Kg-dry	1	6/28/2024 09:02 PM
Phenanthrene	ND		0.24	mg/Kg-dry	1	6/28/2024 09:02 PM
Phenol	ND		0.40	mg/Kg-dry	1	6/28/2024 09:02 PM
Pyrene	ND		0.24	mg/Kg-dry	1	6/28/2024 09:02 PM
Pyridine	ND		0.40	mg/Kg-dry	1	6/28/2024 09:02 PM
Safrole	ND		0.40	mg/Kg-dry	1	6/28/2024 09:02 PM
Surr: 2,4,6-Tribromophenol	68.8		14.2-136	%REC	1	6/28/2024 09:02 PM
Surr: 2-Fluorobiphenyl	65.9		30-116	%REC	1	6/28/2024 09:02 PM
Surr: 2-Fluorophenol	78.9		5.42-113	%REC	1	6/28/2024 09:02 PM
Surr: 4-Terphenyl-d14	77.3		27.3-138	%REC	1	6/28/2024 09:02 PM

Note:



# ALS Environmental

Date: 08-Jul-24

**Client:** Partners Environmental Consulting, Inc.  
**Project:** Former Leake Oil; 448 E. Taggart St., East Palesti  
**Sample ID:** SB-39 6-8'  
**Collection Date:** 6/17/2024 01:14 PM

**Work Order:** 24060754  
**Lab ID:** 24060754-04  
**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Surr: Nitrobenzene-d5	77.3		23.7-109	%REC	1	6/28/2024 09:02 PM
Surr: Phenol-d6	77.9		13.8-108	%REC	1	6/28/2024 09:02 PM

## VOLATILE ORGANIC COMPOUNDS

SW8260B

Analyst: RA

1,1,1,2-Tetrachloroethane	ND		0.0060	mg/Kg-dry	1	6/26/2024 01:51 PM
1,1,1-Trichloroethane	ND		0.0060	mg/Kg-dry	1	6/26/2024 01:51 PM
1,1,2,2-Tetrachloroethane	ND		0.0060	mg/Kg-dry	1	6/26/2024 01:51 PM
1,1,2-Trichloroethane	ND		0.0060	mg/Kg-dry	1	6/26/2024 01:51 PM
1,1-Dichloroethane	ND		0.0060	mg/Kg-dry	1	6/26/2024 01:51 PM
1,1-Dichloroethene	ND		0.0060	mg/Kg-dry	1	6/26/2024 01:51 PM
1,1-Dichloropropene	ND		0.0060	mg/Kg-dry	1	6/26/2024 01:51 PM
1,2,3-Trichlorobenzene	ND		0.0060	mg/Kg-dry	1	6/26/2024 01:51 PM
1,2,3-Trichloropropane	ND		0.0060	mg/Kg-dry	1	6/26/2024 01:51 PM
1,2,4-Trichlorobenzene	ND		0.0060	mg/Kg-dry	1	6/26/2024 01:51 PM
1,2,4-Trimethylbenzene	ND		0.0060	mg/Kg-dry	1	6/26/2024 01:51 PM
1,2-Dibromo-3-chloropropane	ND		0.0060	mg/Kg-dry	1	6/26/2024 01:51 PM
1,2-Dibromoethane	ND		0.0060	mg/Kg-dry	1	6/26/2024 01:51 PM
1,2-Dichlorobenzene	ND		0.0060	mg/Kg-dry	1	6/26/2024 01:51 PM
1,2-Dichloroethane	ND		0.0060	mg/Kg-dry	1	6/26/2024 01:51 PM
1,2-Dichloropropane	ND		0.0060	mg/Kg-dry	1	6/26/2024 01:51 PM
1,3,5-Trimethylbenzene	ND		0.0060	mg/Kg-dry	1	6/26/2024 01:51 PM
1,3-Dichlorobenzene	ND		0.0060	mg/Kg-dry	1	6/26/2024 01:51 PM
1,3-Dichloropropane	ND		0.0060	mg/Kg-dry	1	6/26/2024 01:51 PM
1,4-Dichlorobenzene	ND		0.0060	mg/Kg-dry	1	6/26/2024 01:51 PM
2,2-Dichloropropane	ND		0.0060	mg/Kg-dry	1	6/26/2024 01:51 PM
2-Butanone	ND		0.060	mg/Kg-dry	1	6/26/2024 01:51 PM
2-Chlorotoluene	ND		0.0060	mg/Kg-dry	1	6/26/2024 01:51 PM
2-Hexanone	ND		0.0060	mg/Kg-dry	1	6/26/2024 01:51 PM
4-Chlorotoluene	ND		0.0060	mg/Kg-dry	1	6/26/2024 01:51 PM
4-Methyl-2-pentanone	ND		0.0060	mg/Kg-dry	1	6/26/2024 01:51 PM
Acetone	ND		0.060	mg/Kg-dry	1	6/26/2024 01:51 PM
Benzene	ND		0.0060	mg/Kg-dry	1	6/26/2024 01:51 PM
Bromobenzene	ND		0.0060	mg/Kg-dry	1	6/26/2024 01:51 PM
Bromochloromethane	ND		0.0060	mg/Kg-dry	1	6/26/2024 01:51 PM
Bromodichloromethane	ND		0.0060	mg/Kg-dry	1	6/26/2024 01:51 PM
Bromoform	ND		0.0060	mg/Kg-dry	1	6/26/2024 01:51 PM
Bromomethane	ND		0.0060	mg/Kg-dry	1	6/26/2024 01:51 PM
Carbon disulfide	ND		0.0060	mg/Kg-dry	1	6/26/2024 01:51 PM
Carbon tetrachloride	ND		0.0060	mg/Kg-dry	1	6/26/2024 01:51 PM
Chlorobenzene	ND		0.0060	mg/Kg-dry	1	6/26/2024 01:51 PM
Chloroethane	ND		0.0060	mg/Kg-dry	1	6/26/2024 01:51 PM

Note:



# ALS Environmental

Date: 08-Jul-24

**Client:** Partners Environmental Consulting, Inc.  
**Project:** Former Leake Oil; 448 E. Taggart St., East Palesti  
**Sample ID:** SB-39 6-8'  
**Collection Date:** 6/17/2024 01:14 PM

**Work Order:** 24060754  
**Lab ID:** 24060754-04  
**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Chloroform	ND		0.0060	mg/Kg-dry	1	6/26/2024 01:51 PM
Chloromethane	ND		0.0060	mg/Kg-dry	1	6/26/2024 01:51 PM
cis-1,2-Dichloroethene	ND		0.0060	mg/Kg-dry	1	6/26/2024 01:51 PM
cis-1,3-Dichloropropene	ND		0.0060	mg/Kg-dry	1	6/26/2024 01:51 PM
Dibromochloromethane	ND		0.0060	mg/Kg-dry	1	6/26/2024 01:51 PM
Dibromomethane	ND		0.0060	mg/Kg-dry	1	6/26/2024 01:51 PM
Dichlorodifluoromethane	ND		0.0060	mg/Kg-dry	1	6/26/2024 01:51 PM
Ethylbenzene	ND		0.0060	mg/Kg-dry	1	6/26/2024 01:51 PM
Hexachlorobutadiene	ND		0.0060	mg/Kg-dry	1	6/26/2024 01:51 PM
Isopropylbenzene	ND		0.0060	mg/Kg-dry	1	6/26/2024 01:51 PM
m,p-Xylene	ND		0.012	mg/Kg-dry	1	6/26/2024 01:51 PM
Methyl tert-butyl ether	ND		0.0060	mg/Kg-dry	1	6/26/2024 01:51 PM
Methylene chloride	ND		0.024	mg/Kg-dry	1	6/26/2024 01:51 PM
Naphthalene	ND		0.0060	mg/Kg-dry	1	6/26/2024 01:51 PM
n-Butylbenzene	ND		0.0060	mg/Kg-dry	1	6/26/2024 01:51 PM
n-Propylbenzene	ND		0.0060	mg/Kg-dry	1	6/26/2024 01:51 PM
o-Xylene	ND		0.0060	mg/Kg-dry	1	6/26/2024 01:51 PM
p-Isopropyltoluene	ND		0.0060	mg/Kg-dry	1	6/26/2024 01:51 PM
sec-Butylbenzene	ND		0.0060	mg/Kg-dry	1	6/26/2024 01:51 PM
Styrene	ND		0.0060	mg/Kg-dry	1	6/26/2024 01:51 PM
tert-Butylbenzene	ND		0.0060	mg/Kg-dry	1	6/26/2024 01:51 PM
Tetrachloroethene	ND		0.0060	mg/Kg-dry	1	6/26/2024 01:51 PM
Toluene	ND		0.0060	mg/Kg-dry	1	6/26/2024 01:51 PM
trans-1,2-Dichloroethene	ND		0.0060	mg/Kg-dry	1	6/26/2024 01:51 PM
trans-1,3-Dichloropropene	ND		0.0060	mg/Kg-dry	1	6/26/2024 01:51 PM
Trichloroethene	ND		0.0060	mg/Kg-dry	1	6/26/2024 01:51 PM
Trichlorofluoromethane	ND		0.0060	mg/Kg-dry	1	6/26/2024 01:51 PM
Vinyl chloride	ND		0.0060	mg/Kg-dry	1	6/26/2024 01:51 PM
Xylenes, Total	ND		0.018	mg/Kg-dry	1	6/26/2024 01:51 PM
<i>Surr: 4-Bromofluorobenzene</i>	103		78.9-128	%REC	1	6/26/2024 01:51 PM
<i>Surr: Dibromofluoromethane</i>	112		79.1-140	%REC	1	6/26/2024 01:51 PM
<i>Surr: Toluene-d8</i>	107		84.5-124	%REC	1	6/26/2024 01:51 PM

Note:

# ALS Environmental

Date: 08-Jul-24

**Client:** Partners Environmental Consulting, Inc.  
**Project:** Former Leake Oil; 448 E. Taggart St., East Palesti  
**Sample ID:** SB-40 2-4'  
**Collection Date:** 6/17/2024 01:45 PM

**Work Order:** 24060754  
**Lab ID:** 24060754-05  
**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>DIESEL RANGE ORGANICS AND OIL RANGE ORGANICS</b>			<b>SW8015B</b>	Prep: SW3546 6/27/24 15:53		Analyst: <b>TME</b>
TPH C10-C20	ND		15	mg/Kg-dry	1	6/28/2024 03:22 AM
TPH C20-C34	ND		15	mg/Kg-dry	1	6/28/2024 03:22 AM
Surr: Nonane	51.0		13.1-113	%REC	1	6/28/2024 03:22 AM
Surr: Pentacosane	53.2		28.2-111	%REC	1	6/28/2024 03:22 AM
<b>GASOLINE RANGE ORGANICS (C6-C12)</b>			<b>SW8015A</b>	Prep: SW3546 6/27/24 15:53		Analyst: <b>LAK</b>
TPH C6-C12	ND		2.2	mg/Kg-dry	1	6/27/2024 04:57 PM
Surr: Cyclooctane	99.5		65.2-156	%REC	1	6/27/2024 04:57 PM
<b>MOISTURE</b>			<b>SM2540B</b>	Prep: SW3546 6/27/24 15:53		Analyst: <b>CS</b>
Moisture	11			% of sample	1	6/21/2024
<b>SEMI-VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8270C</b>	Prep: SW3546 6/28/24 09:27		Analyst: <b>DTL</b>
1,2,4,5-Tetrachlorobenzene	ND		0.37	mg/Kg-dry	1	6/28/2024 06:29 PM
1,2,4-Trichlorobenzene	ND		0.37	mg/Kg-dry	1	6/28/2024 06:29 PM
1,2-Dichlorobenzene	ND		0.37	mg/Kg-dry	1	6/28/2024 06:29 PM
1,3-Dichlorobenzene	ND		0.37	mg/Kg-dry	1	6/28/2024 06:29 PM
1,3-Dinitrobenzene	ND		0.37	mg/Kg-dry	1	6/28/2024 06:29 PM
1,4-Dichlorobenzene	ND		0.37	mg/Kg-dry	1	6/28/2024 06:29 PM
1-Methylnaphthalene	ND		0.22	mg/Kg-dry	1	6/28/2024 06:29 PM
1-Naphthylamine	ND		0.37	mg/Kg-dry	1	6/28/2024 06:29 PM
2,3,4,6-Tetrachlorophenol	ND		0.37	mg/Kg-dry	1	6/28/2024 06:29 PM
2,4,5-Trichlorophenol	ND		0.37	mg/Kg-dry	1	6/28/2024 06:29 PM
2,4,6-Trichlorophenol	ND		0.37	mg/Kg-dry	1	6/28/2024 06:29 PM
2,4-Dichlorophenol	ND		0.37	mg/Kg-dry	1	6/28/2024 06:29 PM
2,4-Dimethylphenol	ND		0.37	mg/Kg-dry	1	6/28/2024 06:29 PM
2,4-Dinitrophenol	ND		1.8	mg/Kg-dry	1	6/28/2024 06:29 PM
2,4-Dinitrotoluene	ND		0.37	mg/Kg-dry	1	6/28/2024 06:29 PM
2,6-Dichlorophenol	ND		0.37	mg/Kg-dry	1	6/28/2024 06:29 PM
2,6-Dinitrotoluene	ND		0.37	mg/Kg-dry	1	6/28/2024 06:29 PM
2-Acetylaminofluorene	ND		0.37	mg/Kg-dry	1	6/28/2024 06:29 PM
2-Chloronaphthalene	ND		0.37	mg/Kg-dry	1	6/28/2024 06:29 PM
2-Chlorophenol	ND		0.37	mg/Kg-dry	1	6/28/2024 06:29 PM
2-Methylnaphthalene	ND		0.22	mg/Kg-dry	1	6/28/2024 06:29 PM
2-Methylphenol	ND		0.37	mg/Kg-dry	1	6/28/2024 06:29 PM
2-Naphthylamine	ND		0.37	mg/Kg-dry	1	6/28/2024 06:29 PM
2-Nitroaniline	ND		1.8	mg/Kg-dry	1	6/28/2024 06:29 PM
2-Nitrophenol	ND		0.37	mg/Kg-dry	1	6/28/2024 06:29 PM
2-Picoline	ND		0.37	mg/Kg-dry	1	6/28/2024 06:29 PM
3&4-Methylphenol	ND		0.37	mg/Kg-dry	1	6/28/2024 06:29 PM

Note:

# ALS Environmental

Date: 08-Jul-24

Client: Partners Environmental Consulting, Inc.  
 Project: Former Leake Oil; 448 E. Taggart St., East Palesti  
 Sample ID: SB-40 2-4'  
 Collection Date: 6/17/2024 01:45 PM

Work Order: 24060754  
 Lab ID: 24060754-05  
 Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
3,3'-Dichlorobenzidine	ND		0.74	mg/Kg-dry	1	6/28/2024 06:29 PM
3-Methylcholanthrene	ND		0.37	mg/Kg-dry	1	6/28/2024 06:29 PM
3-Nitroaniline	ND		1.8	mg/Kg-dry	1	6/28/2024 06:29 PM
4,6-Dinitro-2-methylphenol	ND		1.8	mg/Kg-dry	1	6/28/2024 06:29 PM
4-Aminobiphenyl	ND		0.74	mg/Kg-dry	1	6/28/2024 06:29 PM
4-Bromophenyl phenyl ether	ND		0.37	mg/Kg-dry	1	6/28/2024 06:29 PM
4-Chloro-3-methylphenol	ND		0.74	mg/Kg-dry	1	6/28/2024 06:29 PM
4-Chloroaniline	ND		0.74	mg/Kg-dry	1	6/28/2024 06:29 PM
4-Chlorophenyl phenyl ether	ND		0.37	mg/Kg-dry	1	6/28/2024 06:29 PM
4-Nitroaniline	ND		0.74	mg/Kg-dry	1	6/28/2024 06:29 PM
4-Nitrophenol	ND		1.8	mg/Kg-dry	1	6/28/2024 06:29 PM
4-Nitroquinoline 1-oxide	ND		1.8	mg/Kg-dry	1	6/28/2024 06:29 PM
5-Nitro-o-toluidine	ND		0.37	mg/Kg-dry	1	6/28/2024 06:29 PM
7,12-Dimethylbenz(a)anthracene	ND		0.37	mg/Kg-dry	1	6/28/2024 06:29 PM
Acenaphthene	ND		0.22	mg/Kg-dry	1	6/28/2024 06:29 PM
Acenaphthylene	ND		0.22	mg/Kg-dry	1	6/28/2024 06:29 PM
Acetophenone	ND		0.37	mg/Kg-dry	1	6/28/2024 06:29 PM
Aniline	ND		0.37	mg/Kg-dry	1	6/28/2024 06:29 PM
Anthracene	ND		0.22	mg/Kg-dry	1	6/28/2024 06:29 PM
Azobenzene	ND		0.37	mg/Kg-dry	1	6/28/2024 06:29 PM
Benzidine	ND		0.37	mg/Kg-dry	1	6/28/2024 06:29 PM
Benzo(a)anthracene	ND		0.11	mg/Kg-dry	1	6/28/2024 06:29 PM
Benzo(a)pyrene	ND		0.11	mg/Kg-dry	1	6/28/2024 06:29 PM
Benzo(b)fluoranthene	ND		0.22	mg/Kg-dry	1	6/28/2024 06:29 PM
Benzo(g,h,i)perylene	ND		0.22	mg/Kg-dry	1	6/28/2024 06:29 PM
Benzo(k)fluoranthene	ND		0.22	mg/Kg-dry	1	6/28/2024 06:29 PM
Benzyl alcohol	ND		0.74	mg/Kg-dry	1	6/28/2024 06:29 PM
Bis(2-chloroethoxy)methane	ND		0.37	mg/Kg-dry	1	6/28/2024 06:29 PM
Bis(2-chloroethyl)ether	ND		0.37	mg/Kg-dry	1	6/28/2024 06:29 PM
Bis(2-chloroisopropyl)ether	ND		0.37	mg/Kg-dry	1	6/28/2024 06:29 PM
Bis(2-ethylhexyl)phthalate	ND		0.37	mg/Kg-dry	1	6/28/2024 06:29 PM
Butyl benzyl phthalate	ND		0.37	mg/Kg-dry	1	6/28/2024 06:29 PM
Carbazole	ND		0.22	mg/Kg-dry	1	6/28/2024 06:29 PM
Chrysene	ND		0.22	mg/Kg-dry	1	6/28/2024 06:29 PM
Dibenzo(a,h)anthracene	ND		0.11	mg/Kg-dry	1	6/28/2024 06:29 PM
Dibenzofuran	ND		0.22	mg/Kg-dry	1	6/28/2024 06:29 PM
Diethyl phthalate	ND		0.37	mg/Kg-dry	1	6/28/2024 06:29 PM
Dimethyl phthalate	ND		0.37	mg/Kg-dry	1	6/28/2024 06:29 PM
Di-n-butyl phthalate	ND		0.37	mg/Kg-dry	1	6/28/2024 06:29 PM
Di-n-octyl phthalate	ND		0.37	mg/Kg-dry	1	6/28/2024 06:29 PM

Note:

# ALS Environmental

Date: 08-Jul-24

**Client:** Partners Environmental Consulting, Inc.  
**Project:** Former Leake Oil; 448 E. Taggart St., East Palesti  
**Sample ID:** SB-40 2-4'  
**Collection Date:** 6/17/2024 01:45 PM

**Work Order:** 24060754  
**Lab ID:** 24060754-05  
**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Dinoseb	ND		0.37	mg/Kg-dry	1	6/28/2024 06:29 PM
Diphenylamine	ND		0.37	mg/Kg-dry	1	6/28/2024 06:29 PM
Ethyl methanesulfonate	ND		0.37	mg/Kg-dry	1	6/28/2024 06:29 PM
Fluoranthene	ND		0.22	mg/Kg-dry	1	6/28/2024 06:29 PM
Fluorene	ND		0.22	mg/Kg-dry	1	6/28/2024 06:29 PM
Hexachlorobenzene	ND		0.37	mg/Kg-dry	1	6/28/2024 06:29 PM
Hexachlorobutadiene	ND		0.37	mg/Kg-dry	1	6/28/2024 06:29 PM
Hexachlorocyclopentadiene	ND		0.37	mg/Kg-dry	1	6/28/2024 06:29 PM
Hexachloroethane	ND		0.37	mg/Kg-dry	1	6/28/2024 06:29 PM
Indeno(1,2,3-cd)pyrene	ND		0.11	mg/Kg-dry	1	6/28/2024 06:29 PM
Isophorone	ND		0.37	mg/Kg-dry	1	6/28/2024 06:29 PM
Isosafrole	ND		0.37	mg/Kg-dry	1	6/28/2024 06:29 PM
Methapyrilene	ND		1.8	mg/Kg-dry	1	6/28/2024 06:29 PM
Methyl methanesulfonate	ND		0.37	mg/Kg-dry	1	6/28/2024 06:29 PM
Naphthalene	ND		0.22	mg/Kg-dry	1	6/28/2024 06:29 PM
Nitrobenzene	ND		0.37	mg/Kg-dry	1	6/28/2024 06:29 PM
N-Nitrosodiethylamine	ND		0.37	mg/Kg-dry	1	6/28/2024 06:29 PM
N-Nitrosodimethylamine	ND		0.37	mg/Kg-dry	1	6/28/2024 06:29 PM
N-Nitroso-di-n-butylamine	ND		0.37	mg/Kg-dry	1	6/28/2024 06:29 PM
N-Nitrosodi-n-propylamine	ND		0.37	mg/Kg-dry	1	6/28/2024 06:29 PM
N-Nitrosomethylethylamine	ND		0.37	mg/Kg-dry	1	6/28/2024 06:29 PM
N-Nitrosomorpholine	ND		0.37	mg/Kg-dry	1	6/28/2024 06:29 PM
N-Nitrosopiperidine	ND		0.37	mg/Kg-dry	1	6/28/2024 06:29 PM
N-Nitrosopyrrolidine	ND		0.37	mg/Kg-dry	1	6/28/2024 06:29 PM
o-Toluidine	ND		1.8	mg/Kg-dry	1	6/28/2024 06:29 PM
p-Dimethylaminoazobenzene	ND		0.37	mg/Kg-dry	1	6/28/2024 06:29 PM
Pentachlorobenzene	ND		0.37	mg/Kg-dry	1	6/28/2024 06:29 PM
Pentachloroethane	ND		0.37	mg/Kg-dry	1	6/28/2024 06:29 PM
Pentachloronitrobenzene	ND		0.74	mg/Kg-dry	1	6/28/2024 06:29 PM
Pentachlorophenol	ND		1.8	mg/Kg-dry	1	6/28/2024 06:29 PM
Phenacetin	ND		0.74	mg/Kg-dry	1	6/28/2024 06:29 PM
Phenanthrene	ND		0.22	mg/Kg-dry	1	6/28/2024 06:29 PM
Phenol	ND		0.37	mg/Kg-dry	1	6/28/2024 06:29 PM
Pyrene	ND		0.22	mg/Kg-dry	1	6/28/2024 06:29 PM
Pyridine	ND		0.37	mg/Kg-dry	1	6/28/2024 06:29 PM
Safrole	ND		0.37	mg/Kg-dry	1	6/28/2024 06:29 PM
Surr: 2,4,6-Tribromophenol	72.3		14.2-136	%REC	1	6/28/2024 06:29 PM
Surr: 2-Fluorobiphenyl	68.0		30-116	%REC	1	6/28/2024 06:29 PM
Surr: 2-Fluorophenol	73.7		5.42-113	%REC	1	6/28/2024 06:29 PM
Surr: 4-Terphenyl-d14	74.8		27.3-138	%REC	1	6/28/2024 06:29 PM

Note:

# ALS Environmental

Date: 08-Jul-24

**Client:** Partners Environmental Consulting, Inc.  
**Project:** Former Leake Oil; 448 E. Taggart St., East Palesti  
**Sample ID:** SB-40 2-4'  
**Collection Date:** 6/17/2024 01:45 PM

**Work Order:** 24060754  
**Lab ID:** 24060754-05  
**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Surr: Nitrobenzene-d5	73.5		23.7-109	%REC	1	6/28/2024 06:29 PM
Surr: Phenol-d6	75.1		13.8-108	%REC	1	6/28/2024 06:29 PM
<b>VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8260B</b>		<b>Analyst: RA</b>	
1,1,1,2-Tetrachloroethane	ND		0.0056	mg/Kg-dry	1	6/26/2024 02:08 PM
1,1,1-Trichloroethane	ND		0.0056	mg/Kg-dry	1	6/26/2024 02:08 PM
1,1,2,2-Tetrachloroethane	ND		0.0056	mg/Kg-dry	1	6/26/2024 02:08 PM
1,1,2-Trichloroethane	ND		0.0056	mg/Kg-dry	1	6/26/2024 02:08 PM
1,1-Dichloroethane	ND		0.0056	mg/Kg-dry	1	6/26/2024 02:08 PM
1,1-Dichloroethene	ND		0.0056	mg/Kg-dry	1	6/26/2024 02:08 PM
1,1-Dichloropropene	ND		0.0056	mg/Kg-dry	1	6/26/2024 02:08 PM
1,2,3-Trichlorobenzene	ND		0.0056	mg/Kg-dry	1	6/26/2024 02:08 PM
1,2,3-Trichloropropane	ND		0.0056	mg/Kg-dry	1	6/26/2024 02:08 PM
1,2,4-Trichlorobenzene	ND		0.0056	mg/Kg-dry	1	6/26/2024 02:08 PM
1,2,4-Trimethylbenzene	ND		0.0056	mg/Kg-dry	1	6/26/2024 02:08 PM
1,2-Dibromo-3-chloropropane	ND		0.0056	mg/Kg-dry	1	6/26/2024 02:08 PM
1,2-Dibromoethane	ND		0.0056	mg/Kg-dry	1	6/26/2024 02:08 PM
1,2-Dichlorobenzene	ND		0.0056	mg/Kg-dry	1	6/26/2024 02:08 PM
1,2-Dichloroethane	ND		0.0056	mg/Kg-dry	1	6/26/2024 02:08 PM
1,2-Dichloropropane	ND		0.0056	mg/Kg-dry	1	6/26/2024 02:08 PM
1,3,5-Trimethylbenzene	ND		0.0056	mg/Kg-dry	1	6/26/2024 02:08 PM
1,3-Dichlorobenzene	ND		0.0056	mg/Kg-dry	1	6/26/2024 02:08 PM
1,3-Dichloropropane	ND		0.0056	mg/Kg-dry	1	6/26/2024 02:08 PM
1,4-Dichlorobenzene	ND		0.0056	mg/Kg-dry	1	6/26/2024 02:08 PM
2,2-Dichloropropane	ND		0.0056	mg/Kg-dry	1	6/26/2024 02:08 PM
2-Butanone	ND		0.056	mg/Kg-dry	1	6/26/2024 02:08 PM
2-Chlorotoluene	ND		0.0056	mg/Kg-dry	1	6/26/2024 02:08 PM
2-Hexanone	ND		0.0056	mg/Kg-dry	1	6/26/2024 02:08 PM
4-Chlorotoluene	ND		0.0056	mg/Kg-dry	1	6/26/2024 02:08 PM
4-Methyl-2-pentanone	ND		0.0056	mg/Kg-dry	1	6/26/2024 02:08 PM
Acetone	ND		0.056	mg/Kg-dry	1	6/26/2024 02:08 PM
Benzene	ND		0.0056	mg/Kg-dry	1	6/26/2024 02:08 PM
Bromobenzene	ND		0.0056	mg/Kg-dry	1	6/26/2024 02:08 PM
Bromochloromethane	ND		0.0056	mg/Kg-dry	1	6/26/2024 02:08 PM
Bromodichloromethane	ND		0.0056	mg/Kg-dry	1	6/26/2024 02:08 PM
Bromoform	ND		0.0056	mg/Kg-dry	1	6/26/2024 02:08 PM
Bromomethane	ND		0.0056	mg/Kg-dry	1	6/26/2024 02:08 PM
Carbon disulfide	ND		0.0056	mg/Kg-dry	1	6/26/2024 02:08 PM
Carbon tetrachloride	ND		0.0056	mg/Kg-dry	1	6/26/2024 02:08 PM
Chlorobenzene	ND		0.0056	mg/Kg-dry	1	6/26/2024 02:08 PM
Chloroethane	ND		0.0056	mg/Kg-dry	1	6/26/2024 02:08 PM

Note:

# ALS Environmental

Date: 08-Jul-24

**Client:** Partners Environmental Consulting, Inc.  
**Project:** Former Leake Oil; 448 E. Taggart St., East Palesti  
**Sample ID:** SB-40 2-4'  
**Collection Date:** 6/17/2024 01:45 PM

**Work Order:** 24060754  
**Lab ID:** 24060754-05  
**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Chloroform	ND		0.0056	mg/Kg-dry	1	6/26/2024 02:08 PM
Chloromethane	ND		0.0056	mg/Kg-dry	1	6/26/2024 02:08 PM
cis-1,2-Dichloroethene	ND		0.0056	mg/Kg-dry	1	6/26/2024 02:08 PM
cis-1,3-Dichloropropene	ND		0.0056	mg/Kg-dry	1	6/26/2024 02:08 PM
Dibromochloromethane	ND		0.0056	mg/Kg-dry	1	6/26/2024 02:08 PM
Dibromomethane	ND		0.0056	mg/Kg-dry	1	6/26/2024 02:08 PM
Dichlorodifluoromethane	ND		0.0056	mg/Kg-dry	1	6/26/2024 02:08 PM
Ethylbenzene	ND		0.0056	mg/Kg-dry	1	6/26/2024 02:08 PM
Hexachlorobutadiene	ND		0.0056	mg/Kg-dry	1	6/26/2024 02:08 PM
Isopropylbenzene	ND		0.0056	mg/Kg-dry	1	6/26/2024 02:08 PM
m,p-Xylene	ND		0.011	mg/Kg-dry	1	6/26/2024 02:08 PM
Methyl tert-butyl ether	ND		0.0056	mg/Kg-dry	1	6/26/2024 02:08 PM
Methylene chloride	ND		0.022	mg/Kg-dry	1	6/26/2024 02:08 PM
Naphthalene	ND		0.0056	mg/Kg-dry	1	6/26/2024 02:08 PM
n-Butylbenzene	ND		0.0056	mg/Kg-dry	1	6/26/2024 02:08 PM
n-Propylbenzene	ND		0.0056	mg/Kg-dry	1	6/26/2024 02:08 PM
o-Xylene	ND		0.0056	mg/Kg-dry	1	6/26/2024 02:08 PM
p-Isopropyltoluene	ND		0.0056	mg/Kg-dry	1	6/26/2024 02:08 PM
sec-Butylbenzene	ND		0.0056	mg/Kg-dry	1	6/26/2024 02:08 PM
Styrene	ND		0.0056	mg/Kg-dry	1	6/26/2024 02:08 PM
tert-Butylbenzene	ND		0.0056	mg/Kg-dry	1	6/26/2024 02:08 PM
Tetrachloroethene	ND		0.0056	mg/Kg-dry	1	6/26/2024 02:08 PM
Toluene	ND		0.0056	mg/Kg-dry	1	6/26/2024 02:08 PM
trans-1,2-Dichloroethene	ND		0.0056	mg/Kg-dry	1	6/26/2024 02:08 PM
trans-1,3-Dichloropropene	ND		0.0056	mg/Kg-dry	1	6/26/2024 02:08 PM
Trichloroethene	ND		0.0056	mg/Kg-dry	1	6/26/2024 02:08 PM
Trichlorofluoromethane	ND		0.0056	mg/Kg-dry	1	6/26/2024 02:08 PM
Vinyl chloride	ND		0.0056	mg/Kg-dry	1	6/26/2024 02:08 PM
Xylenes, Total	ND		0.017	mg/Kg-dry	1	6/26/2024 02:08 PM
<i>Surr: 4-Bromofluorobenzene</i>	101		78.9-128	%REC	1	6/26/2024 02:08 PM
<i>Surr: Dibromofluoromethane</i>	112		79.1-140	%REC	1	6/26/2024 02:08 PM
<i>Surr: Toluene-d8</i>	106		84.5-124	%REC	1	6/26/2024 02:08 PM

Note:

# ALS Environmental

Date: 08-Jul-24

**Client:** Partners Environmental Consulting, Inc.  
**Project:** Former Leake Oil; 448 E. Taggart St., East Palesti  
**Sample ID:** SB-40 4-6'  
**Collection Date:** 6/17/2024 01:45 PM

**Work Order:** 24060754  
**Lab ID:** 24060754-06  
**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>DIESEL RANGE ORGANICS AND OIL RANGE ORGANICS</b>			<b>SW8015B</b>	Prep: SW3546 6/28/24 16:59		Analyst: <b>TME</b>
TPH C10-C20	ND		16	mg/Kg-dry	1	7/1/2024 04:45 PM
TPH C20-C34	ND		16	mg/Kg-dry	1	7/1/2024 04:45 PM
Surr: Nonane	60.3		13.1-113	%REC	1	7/1/2024 04:45 PM
Surr: Pentacosane	62.3		28.2-111	%REC	1	7/1/2024 04:45 PM
<b>GASOLINE RANGE ORGANICS (C6-C12)</b>			<b>SW8015A</b>	Prep: SW3546 6/28/24 16:59		Analyst: <b>LAK</b>
TPH C6-C12	ND		2.4	mg/Kg-dry	1	6/27/2024 05:23 PM
Surr: Cyclooctane	98.3		65.2-156	%REC	1	6/27/2024 05:23 PM
<b>MOISTURE</b>			<b>SM2540B</b>	Prep: SW3546 6/28/24 16:59		Analyst: <b>CS</b>
Moisture	17			% of sample	1	6/21/2024
<b>SEMI-VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8270C</b>	Prep: SW3546 6/28/24 09:27		Analyst: <b>DTL</b>
1,2,4,5-Tetrachlorobenzene	ND		0.40	mg/Kg-dry	1	6/28/2024 09:17 PM
1,2,4-Trichlorobenzene	ND		0.40	mg/Kg-dry	1	6/28/2024 09:17 PM
1,2-Dichlorobenzene	ND		0.40	mg/Kg-dry	1	6/28/2024 09:17 PM
1,3-Dichlorobenzene	ND		0.40	mg/Kg-dry	1	6/28/2024 09:17 PM
1,3-Dinitrobenzene	ND		0.40	mg/Kg-dry	1	6/28/2024 09:17 PM
1,4-Dichlorobenzene	ND		0.40	mg/Kg-dry	1	6/28/2024 09:17 PM
1-Methylnaphthalene	ND		0.24	mg/Kg-dry	1	6/28/2024 09:17 PM
1-Naphthylamine	ND		0.40	mg/Kg-dry	1	6/28/2024 09:17 PM
2,3,4,6-Tetrachlorophenol	ND		0.40	mg/Kg-dry	1	6/28/2024 09:17 PM
2,4,5-Trichlorophenol	ND		0.40	mg/Kg-dry	1	6/28/2024 09:17 PM
2,4,6-Trichlorophenol	ND		0.40	mg/Kg-dry	1	6/28/2024 09:17 PM
2,4-Dichlorophenol	ND		0.40	mg/Kg-dry	1	6/28/2024 09:17 PM
2,4-Dimethylphenol	ND		0.40	mg/Kg-dry	1	6/28/2024 09:17 PM
2,4-Dinitrophenol	ND		2.0	mg/Kg-dry	1	6/28/2024 09:17 PM
2,4-Dinitrotoluene	ND		0.40	mg/Kg-dry	1	6/28/2024 09:17 PM
2,6-Dichlorophenol	ND		0.40	mg/Kg-dry	1	6/28/2024 09:17 PM
2,6-Dinitrotoluene	ND		0.40	mg/Kg-dry	1	6/28/2024 09:17 PM
2-Acetylaminofluorene	ND		0.40	mg/Kg-dry	1	6/28/2024 09:17 PM
2-Chloronaphthalene	ND		0.40	mg/Kg-dry	1	6/28/2024 09:17 PM
2-Chlorophenol	ND		0.40	mg/Kg-dry	1	6/28/2024 09:17 PM
2-Methylnaphthalene	ND		0.24	mg/Kg-dry	1	6/28/2024 09:17 PM
2-Methylphenol	ND		0.40	mg/Kg-dry	1	6/28/2024 09:17 PM
2-Naphthylamine	ND		0.40	mg/Kg-dry	1	6/28/2024 09:17 PM
2-Nitroaniline	ND		2.0	mg/Kg-dry	1	6/28/2024 09:17 PM
2-Nitrophenol	ND		0.40	mg/Kg-dry	1	6/28/2024 09:17 PM
2-Picoline	ND		0.40	mg/Kg-dry	1	6/28/2024 09:17 PM
3&4-Methylphenol	ND		0.40	mg/Kg-dry	1	6/28/2024 09:17 PM

Note:



# ALS Environmental

Date: 08-Jul-24

**Client:** Partners Environmental Consulting, Inc.  
**Project:** Former Leake Oil; 448 E. Taggert St., East Palesti  
**Sample ID:** SB-40 4-6'  
**Collection Date:** 6/17/2024 01:45 PM

**Work Order:** 24060754  
**Lab ID:** 24060754-06  
**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
3,3'-Dichlorobenzidine	ND		0.80	mg/Kg-dry	1	6/28/2024 09:17 PM
3-Methylcholanthrene	ND		0.40	mg/Kg-dry	1	6/28/2024 09:17 PM
3-Nitroaniline	ND		2.0	mg/Kg-dry	1	6/28/2024 09:17 PM
4,6-Dinitro-2-methylphenol	ND		2.0	mg/Kg-dry	1	6/28/2024 09:17 PM
4-Aminobiphenyl	ND		0.80	mg/Kg-dry	1	6/28/2024 09:17 PM
4-Bromophenyl phenyl ether	ND		0.40	mg/Kg-dry	1	6/28/2024 09:17 PM
4-Chloro-3-methylphenol	ND		0.80	mg/Kg-dry	1	6/28/2024 09:17 PM
4-Chloroaniline	ND		0.80	mg/Kg-dry	1	6/28/2024 09:17 PM
4-Chlorophenyl phenyl ether	ND		0.40	mg/Kg-dry	1	6/28/2024 09:17 PM
4-Nitroaniline	ND		0.80	mg/Kg-dry	1	6/28/2024 09:17 PM
4-Nitrophenol	ND		2.0	mg/Kg-dry	1	6/28/2024 09:17 PM
4-Nitroquinoline 1-oxide	ND		2.0	mg/Kg-dry	1	6/28/2024 09:17 PM
5-Nitro-o-toluidine	ND		0.40	mg/Kg-dry	1	6/28/2024 09:17 PM
7,12-Dimethylbenz(a)anthracene	ND		0.40	mg/Kg-dry	1	6/28/2024 09:17 PM
Acenaphthene	ND		0.24	mg/Kg-dry	1	6/28/2024 09:17 PM
Acenaphthylene	ND		0.24	mg/Kg-dry	1	6/28/2024 09:17 PM
Acetophenone	ND		0.40	mg/Kg-dry	1	6/28/2024 09:17 PM
Aniline	ND		0.40	mg/Kg-dry	1	6/28/2024 09:17 PM
Anthracene	ND		0.24	mg/Kg-dry	1	6/28/2024 09:17 PM
Azobenzene	ND		0.40	mg/Kg-dry	1	6/28/2024 09:17 PM
Benzidine	ND		0.40	mg/Kg-dry	1	6/28/2024 09:17 PM
Benzo(a)anthracene	ND		0.12	mg/Kg-dry	1	6/28/2024 09:17 PM
Benzo(a)pyrene	ND		0.12	mg/Kg-dry	1	6/28/2024 09:17 PM
Benzo(b)fluoranthene	ND		0.24	mg/Kg-dry	1	6/28/2024 09:17 PM
Benzo(g,h,i)perylene	ND		0.24	mg/Kg-dry	1	6/28/2024 09:17 PM
Benzo(k)fluoranthene	ND		0.24	mg/Kg-dry	1	6/28/2024 09:17 PM
Benzyl alcohol	ND		0.80	mg/Kg-dry	1	6/28/2024 09:17 PM
Bis(2-chloroethoxy)methane	ND		0.40	mg/Kg-dry	1	6/28/2024 09:17 PM
Bis(2-chloroethyl)ether	ND		0.40	mg/Kg-dry	1	6/28/2024 09:17 PM
Bis(2-chloroisopropyl)ether	ND		0.40	mg/Kg-dry	1	6/28/2024 09:17 PM
Bis(2-ethylhexyl)phthalate	ND		0.40	mg/Kg-dry	1	6/28/2024 09:17 PM
Butyl benzyl phthalate	ND		0.40	mg/Kg-dry	1	6/28/2024 09:17 PM
Carbazole	ND		0.24	mg/Kg-dry	1	6/28/2024 09:17 PM
Chrysene	ND		0.24	mg/Kg-dry	1	6/28/2024 09:17 PM
Dibenzo(a,h)anthracene	ND		0.12	mg/Kg-dry	1	6/28/2024 09:17 PM
Dibenzofuran	ND		0.24	mg/Kg-dry	1	6/28/2024 09:17 PM
Diethyl phthalate	ND		0.40	mg/Kg-dry	1	6/28/2024 09:17 PM
Dimethyl phthalate	ND		0.40	mg/Kg-dry	1	6/28/2024 09:17 PM
Di-n-butyl phthalate	ND		0.40	mg/Kg-dry	1	6/28/2024 09:17 PM
Di-n-octyl phthalate	ND		0.40	mg/Kg-dry	1	6/28/2024 09:17 PM

**Note:**

# ALS Environmental

Date: 08-Jul-24

**Client:** Partners Environmental Consulting, Inc.  
**Project:** Former Leake Oil; 448 E. Taggart St., East Palesti  
**Sample ID:** SB-40 4-6'  
**Collection Date:** 6/17/2024 01:45 PM

**Work Order:** 24060754  
**Lab ID:** 24060754-06  
**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Dinoseb	ND		0.40	mg/Kg-dry	1	6/28/2024 09:17 PM
Diphenylamine	ND		0.40	mg/Kg-dry	1	6/28/2024 09:17 PM
Ethyl methanesulfonate	ND		0.40	mg/Kg-dry	1	6/28/2024 09:17 PM
Fluoranthene	ND		0.24	mg/Kg-dry	1	6/28/2024 09:17 PM
Fluorene	ND		0.24	mg/Kg-dry	1	6/28/2024 09:17 PM
Hexachlorobenzene	ND		0.40	mg/Kg-dry	1	6/28/2024 09:17 PM
Hexachlorobutadiene	ND		0.40	mg/Kg-dry	1	6/28/2024 09:17 PM
Hexachlorocyclopentadiene	ND		0.40	mg/Kg-dry	1	6/28/2024 09:17 PM
Hexachloroethane	ND		0.40	mg/Kg-dry	1	6/28/2024 09:17 PM
Indeno(1,2,3-cd)pyrene	ND		0.12	mg/Kg-dry	1	6/28/2024 09:17 PM
Isophorone	ND		0.40	mg/Kg-dry	1	6/28/2024 09:17 PM
Isosafrole	ND		0.40	mg/Kg-dry	1	6/28/2024 09:17 PM
Methapyrilene	ND		2.0	mg/Kg-dry	1	6/28/2024 09:17 PM
Methyl methanesulfonate	ND		0.40	mg/Kg-dry	1	6/28/2024 09:17 PM
Naphthalene	ND		0.24	mg/Kg-dry	1	6/28/2024 09:17 PM
Nitrobenzene	ND		0.40	mg/Kg-dry	1	6/28/2024 09:17 PM
N-Nitrosodiethylamine	ND		0.40	mg/Kg-dry	1	6/28/2024 09:17 PM
N-Nitrosodimethylamine	ND		0.40	mg/Kg-dry	1	6/28/2024 09:17 PM
N-Nitroso-di-n-butylamine	ND		0.40	mg/Kg-dry	1	6/28/2024 09:17 PM
N-Nitrosodi-n-propylamine	ND		0.40	mg/Kg-dry	1	6/28/2024 09:17 PM
N-Nitrosomethylethylamine	ND		0.40	mg/Kg-dry	1	6/28/2024 09:17 PM
N-Nitrosomorpholine	ND		0.40	mg/Kg-dry	1	6/28/2024 09:17 PM
N-Nitrosopiperidine	ND		0.40	mg/Kg-dry	1	6/28/2024 09:17 PM
N-Nitrosopyrrolidine	ND		0.40	mg/Kg-dry	1	6/28/2024 09:17 PM
o-Toluidine	ND		2.0	mg/Kg-dry	1	6/28/2024 09:17 PM
p-Dimethylaminoazobenzene	ND		0.40	mg/Kg-dry	1	6/28/2024 09:17 PM
Pentachlorobenzene	ND		0.40	mg/Kg-dry	1	6/28/2024 09:17 PM
Pentachloroethane	ND		0.40	mg/Kg-dry	1	6/28/2024 09:17 PM
Pentachloronitrobenzene	ND		0.80	mg/Kg-dry	1	6/28/2024 09:17 PM
Pentachlorophenol	ND		2.0	mg/Kg-dry	1	6/28/2024 09:17 PM
Phenacetin	ND		0.80	mg/Kg-dry	1	6/28/2024 09:17 PM
Phenanthrene	ND		0.24	mg/Kg-dry	1	6/28/2024 09:17 PM
Phenol	ND		0.40	mg/Kg-dry	1	6/28/2024 09:17 PM
Pyrene	ND		0.24	mg/Kg-dry	1	6/28/2024 09:17 PM
Pyridine	ND		0.40	mg/Kg-dry	1	6/28/2024 09:17 PM
Safrole	ND		0.40	mg/Kg-dry	1	6/28/2024 09:17 PM
Surr: 2,4,6-Tribromophenol	78.0		14.2-136	%REC	1	6/28/2024 09:17 PM
Surr: 2-Fluorobiphenyl	71.3		30-116	%REC	1	6/28/2024 09:17 PM
Surr: 2-Fluorophenol	78.1		5.42-113	%REC	1	6/28/2024 09:17 PM
Surr: 4-Terphenyl-d14	82.5		27.3-138	%REC	1	6/28/2024 09:17 PM

Note:

# ALS Environmental

Date: 08-Jul-24

**Client:** Partners Environmental Consulting, Inc.  
**Project:** Former Leake Oil; 448 E. Taggart St., East Palesti  
**Sample ID:** SB-40 4-6'  
**Collection Date:** 6/17/2024 01:45 PM

**Work Order:** 24060754  
**Lab ID:** 24060754-06  
**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Surr: Nitrobenzene-d5	82.3		23.7-109	%REC	1	6/28/2024 09:17 PM
Surr: Phenol-d6	79.6		13.8-108	%REC	1	6/28/2024 09:17 PM
<b>VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8260B</b>		<b>Analyst: RA</b>	
1,1,1,2-Tetrachloroethane	ND		0.0060	mg/Kg-dry	1	6/26/2024 02:24 PM
1,1,1-Trichloroethane	ND		0.0060	mg/Kg-dry	1	6/26/2024 02:24 PM
1,1,2,2-Tetrachloroethane	ND		0.0060	mg/Kg-dry	1	6/26/2024 02:24 PM
1,1,2-Trichloroethane	ND		0.0060	mg/Kg-dry	1	6/26/2024 02:24 PM
1,1-Dichloroethane	ND		0.0060	mg/Kg-dry	1	6/26/2024 02:24 PM
1,1-Dichloroethene	ND		0.0060	mg/Kg-dry	1	6/26/2024 02:24 PM
1,1-Dichloropropene	ND		0.0060	mg/Kg-dry	1	6/26/2024 02:24 PM
1,2,3-Trichlorobenzene	ND		0.0060	mg/Kg-dry	1	6/26/2024 02:24 PM
1,2,3-Trichloropropane	ND		0.0060	mg/Kg-dry	1	6/26/2024 02:24 PM
1,2,4-Trichlorobenzene	ND		0.0060	mg/Kg-dry	1	6/26/2024 02:24 PM
1,2,4-Trimethylbenzene	ND		0.0060	mg/Kg-dry	1	6/26/2024 02:24 PM
1,2-Dibromo-3-chloropropane	ND		0.0060	mg/Kg-dry	1	6/26/2024 02:24 PM
1,2-Dibromoethane	ND		0.0060	mg/Kg-dry	1	6/26/2024 02:24 PM
1,2-Dichlorobenzene	ND		0.0060	mg/Kg-dry	1	6/26/2024 02:24 PM
1,2-Dichloroethane	ND		0.0060	mg/Kg-dry	1	6/26/2024 02:24 PM
1,2-Dichloropropane	ND		0.0060	mg/Kg-dry	1	6/26/2024 02:24 PM
1,3,5-Trimethylbenzene	ND		0.0060	mg/Kg-dry	1	6/26/2024 02:24 PM
1,3-Dichlorobenzene	ND		0.0060	mg/Kg-dry	1	6/26/2024 02:24 PM
1,3-Dichloropropane	ND		0.0060	mg/Kg-dry	1	6/26/2024 02:24 PM
1,4-Dichlorobenzene	ND		0.0060	mg/Kg-dry	1	6/26/2024 02:24 PM
2,2-Dichloropropane	ND		0.0060	mg/Kg-dry	1	6/26/2024 02:24 PM
2-Butanone	ND		0.060	mg/Kg-dry	1	6/26/2024 02:24 PM
2-Chlorotoluene	ND		0.0060	mg/Kg-dry	1	6/26/2024 02:24 PM
2-Hexanone	ND		0.0060	mg/Kg-dry	1	6/26/2024 02:24 PM
4-Chlorotoluene	ND		0.0060	mg/Kg-dry	1	6/26/2024 02:24 PM
4-Methyl-2-pentanone	ND		0.0060	mg/Kg-dry	1	6/26/2024 02:24 PM
Acetone	ND		0.060	mg/Kg-dry	1	6/26/2024 02:24 PM
Benzene	ND		0.0060	mg/Kg-dry	1	6/26/2024 02:24 PM
Bromobenzene	ND		0.0060	mg/Kg-dry	1	6/26/2024 02:24 PM
Bromochloromethane	ND		0.0060	mg/Kg-dry	1	6/26/2024 02:24 PM
Bromodichloromethane	ND		0.0060	mg/Kg-dry	1	6/26/2024 02:24 PM
Bromoform	ND		0.0060	mg/Kg-dry	1	6/26/2024 02:24 PM
Bromomethane	ND		0.0060	mg/Kg-dry	1	6/26/2024 02:24 PM
Carbon disulfide	ND		0.0060	mg/Kg-dry	1	6/26/2024 02:24 PM
Carbon tetrachloride	ND		0.0060	mg/Kg-dry	1	6/26/2024 02:24 PM
Chlorobenzene	ND		0.0060	mg/Kg-dry	1	6/26/2024 02:24 PM
Chloroethane	ND		0.0060	mg/Kg-dry	1	6/26/2024 02:24 PM

Note:

# ALS Environmental

Date: 08-Jul-24

**Client:** Partners Environmental Consulting, Inc.  
**Project:** Former Leake Oil; 448 E. Taggart St., East Palesti  
**Sample ID:** SB-40 4-6'  
**Collection Date:** 6/17/2024 01:45 PM

**Work Order:** 24060754  
**Lab ID:** 24060754-06  
**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Chloroform	ND		0.0060	mg/Kg-dry	1	6/26/2024 02:24 PM
Chloromethane	ND		0.0060	mg/Kg-dry	1	6/26/2024 02:24 PM
cis-1,2-Dichloroethene	ND		0.0060	mg/Kg-dry	1	6/26/2024 02:24 PM
cis-1,3-Dichloropropene	ND		0.0060	mg/Kg-dry	1	6/26/2024 02:24 PM
Dibromochloromethane	ND		0.0060	mg/Kg-dry	1	6/26/2024 02:24 PM
Dibromomethane	ND		0.0060	mg/Kg-dry	1	6/26/2024 02:24 PM
Dichlorodifluoromethane	ND		0.0060	mg/Kg-dry	1	6/26/2024 02:24 PM
Ethylbenzene	ND		0.0060	mg/Kg-dry	1	6/26/2024 02:24 PM
Hexachlorobutadiene	ND		0.0060	mg/Kg-dry	1	6/26/2024 02:24 PM
Isopropylbenzene	ND		0.0060	mg/Kg-dry	1	6/26/2024 02:24 PM
m,p-Xylene	ND		0.012	mg/Kg-dry	1	6/26/2024 02:24 PM
Methyl tert-butyl ether	ND		0.0060	mg/Kg-dry	1	6/26/2024 02:24 PM
Methylene chloride	ND		0.024	mg/Kg-dry	1	6/26/2024 02:24 PM
Naphthalene	ND		0.0060	mg/Kg-dry	1	6/26/2024 02:24 PM
n-Butylbenzene	ND		0.0060	mg/Kg-dry	1	6/26/2024 02:24 PM
n-Propylbenzene	ND		0.0060	mg/Kg-dry	1	6/26/2024 02:24 PM
o-Xylene	ND		0.0060	mg/Kg-dry	1	6/26/2024 02:24 PM
p-Isopropyltoluene	ND		0.0060	mg/Kg-dry	1	6/26/2024 02:24 PM
sec-Butylbenzene	ND		0.0060	mg/Kg-dry	1	6/26/2024 02:24 PM
Styrene	ND		0.0060	mg/Kg-dry	1	6/26/2024 02:24 PM
tert-Butylbenzene	ND		0.0060	mg/Kg-dry	1	6/26/2024 02:24 PM
Tetrachloroethene	ND		0.0060	mg/Kg-dry	1	6/26/2024 02:24 PM
Toluene	ND		0.0060	mg/Kg-dry	1	6/26/2024 02:24 PM
trans-1,2-Dichloroethene	ND		0.0060	mg/Kg-dry	1	6/26/2024 02:24 PM
trans-1,3-Dichloropropene	ND		0.0060	mg/Kg-dry	1	6/26/2024 02:24 PM
Trichloroethene	ND		0.0060	mg/Kg-dry	1	6/26/2024 02:24 PM
Trichlorofluoromethane	ND		0.0060	mg/Kg-dry	1	6/26/2024 02:24 PM
Vinyl chloride	ND		0.0060	mg/Kg-dry	1	6/26/2024 02:24 PM
Xylenes, Total	ND		0.018	mg/Kg-dry	1	6/26/2024 02:24 PM
Surr: 4-Bromofluorobenzene	102		78.9-128	%REC	1	6/26/2024 02:24 PM
Surr: Dibromofluoromethane	112		79.1-140	%REC	1	6/26/2024 02:24 PM
Surr: Toluene-d8	105		84.5-124	%REC	1	6/26/2024 02:24 PM

Note:

# ALS Environmental

Date: 08-Jul-24

**Client:** Partners Environmental Consulting, Inc.  
**Project:** Former Leake Oil; 448 E. Taggart St., East Palesti  
**Sample ID:** DUP-24  
**Collection Date:** 6/17/2024 12:37 PM

**Work Order:** 24060754  
**Lab ID:** 24060754-07  
**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>DIESEL RANGE ORGANICS AND OIL RANGE ORGANICS</b>			<b>SW8015B</b>	Prep: SW3546 6/28/24 16:59		Analyst: <b>TME</b>
TPH C10-C20	ND		16	mg/Kg-dry	1	7/1/2024 05:04 PM
TPH C20-C34	ND		16	mg/Kg-dry	1	7/1/2024 05:04 PM
Surr: Nonane	60.7		13.1-113	%REC	1	7/1/2024 05:04 PM
Surr: Pentacosane	67.4		28.2-111	%REC	1	7/1/2024 05:04 PM
<b>GASOLINE RANGE ORGANICS (C6-C12)</b>			<b>SW8015A</b>			Analyst: <b>LAK</b>
TPH C6-C12	ND		2.5	mg/Kg-dry	1	6/27/2024 05:49 PM
Surr: Cyclooctane	88.8		65.2-156	%REC	1	6/27/2024 05:49 PM
<b>MOISTURE</b>			<b>SM2540B</b>			Analyst: <b>CS</b>
Moisture	19			% of sample	1	6/21/2024
<b>SEMI-VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8270C</b>	Prep: SW3546 6/28/24 09:27		Analyst: <b>DTL</b>
1,2,4,5-Tetrachlorobenzene	ND		0.41	mg/Kg-dry	1	6/28/2024 09:33 PM
1,2,4-Trichlorobenzene	ND		0.41	mg/Kg-dry	1	6/28/2024 09:33 PM
1,2-Dichlorobenzene	ND		0.41	mg/Kg-dry	1	6/28/2024 09:33 PM
1,3-Dichlorobenzene	ND		0.41	mg/Kg-dry	1	6/28/2024 09:33 PM
1,3-Dinitrobenzene	ND		0.41	mg/Kg-dry	1	6/28/2024 09:33 PM
1,4-Dichlorobenzene	ND		0.41	mg/Kg-dry	1	6/28/2024 09:33 PM
1-Methylnaphthalene	ND		0.25	mg/Kg-dry	1	6/28/2024 09:33 PM
1-Naphthylamine	ND		0.41	mg/Kg-dry	1	6/28/2024 09:33 PM
2,3,4,6-Tetrachlorophenol	ND		0.41	mg/Kg-dry	1	6/28/2024 09:33 PM
2,4,5-Trichlorophenol	ND		0.41	mg/Kg-dry	1	6/28/2024 09:33 PM
2,4,6-Trichlorophenol	ND		0.41	mg/Kg-dry	1	6/28/2024 09:33 PM
2,4-Dichlorophenol	ND		0.41	mg/Kg-dry	1	6/28/2024 09:33 PM
2,4-Dimethylphenol	ND		0.41	mg/Kg-dry	1	6/28/2024 09:33 PM
2,4-Dinitrophenol	ND		2.0	mg/Kg-dry	1	6/28/2024 09:33 PM
2,4-Dinitrotoluene	ND		0.41	mg/Kg-dry	1	6/28/2024 09:33 PM
2,6-Dichlorophenol	ND		0.41	mg/Kg-dry	1	6/28/2024 09:33 PM
2,6-Dinitrotoluene	ND		0.41	mg/Kg-dry	1	6/28/2024 09:33 PM
2-Acetylaminofluorene	ND		0.41	mg/Kg-dry	1	6/28/2024 09:33 PM
2-Chloronaphthalene	ND		0.41	mg/Kg-dry	1	6/28/2024 09:33 PM
2-Chlorophenol	ND		0.41	mg/Kg-dry	1	6/28/2024 09:33 PM
2-Methylnaphthalene	ND		0.25	mg/Kg-dry	1	6/28/2024 09:33 PM
2-Methylphenol	ND		0.41	mg/Kg-dry	1	6/28/2024 09:33 PM
2-Naphthylamine	ND		0.41	mg/Kg-dry	1	6/28/2024 09:33 PM
2-Nitroaniline	ND		2.0	mg/Kg-dry	1	6/28/2024 09:33 PM
2-Nitrophenol	ND		0.41	mg/Kg-dry	1	6/28/2024 09:33 PM
2-Picoline	ND		0.41	mg/Kg-dry	1	6/28/2024 09:33 PM
3&4-Methylphenol	ND		0.41	mg/Kg-dry	1	6/28/2024 09:33 PM

Note:

# ALS Environmental

Date: 08-Jul-24

**Client:** Partners Environmental Consulting, Inc.  
**Project:** Former Leake Oil; 448 E. Taggart St., East Palesti  
**Sample ID:** DUP-24  
**Collection Date:** 6/17/2024 12:37 PM

**Work Order:** 24060754  
**Lab ID:** 24060754-07  
**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
3,3'-Dichlorobenzidine	ND		0.82	mg/Kg-dry	1	6/28/2024 09:33 PM
3-Methylcholanthrene	ND		0.41	mg/Kg-dry	1	6/28/2024 09:33 PM
3-Nitroaniline	ND		2.0	mg/Kg-dry	1	6/28/2024 09:33 PM
4,6-Dinitro-2-methylphenol	ND		2.0	mg/Kg-dry	1	6/28/2024 09:33 PM
4-Aminobiphenyl	ND		0.82	mg/Kg-dry	1	6/28/2024 09:33 PM
4-Bromophenyl phenyl ether	ND		0.41	mg/Kg-dry	1	6/28/2024 09:33 PM
4-Chloro-3-methylphenol	ND		0.82	mg/Kg-dry	1	6/28/2024 09:33 PM
4-Chloroaniline	ND		0.82	mg/Kg-dry	1	6/28/2024 09:33 PM
4-Chlorophenyl phenyl ether	ND		0.41	mg/Kg-dry	1	6/28/2024 09:33 PM
4-Nitroaniline	ND		0.82	mg/Kg-dry	1	6/28/2024 09:33 PM
4-Nitrophenol	ND		2.0	mg/Kg-dry	1	6/28/2024 09:33 PM
4-Nitroquinoline 1-oxide	ND		2.0	mg/Kg-dry	1	6/28/2024 09:33 PM
5-Nitro-o-toluidine	ND		0.41	mg/Kg-dry	1	6/28/2024 09:33 PM
7,12-Dimethylbenz(a)anthracene	ND		0.41	mg/Kg-dry	1	6/28/2024 09:33 PM
Acenaphthene	ND		0.25	mg/Kg-dry	1	6/28/2024 09:33 PM
Acenaphthylene	ND		0.25	mg/Kg-dry	1	6/28/2024 09:33 PM
Acetophenone	ND		0.41	mg/Kg-dry	1	6/28/2024 09:33 PM
Aniline	ND		0.41	mg/Kg-dry	1	6/28/2024 09:33 PM
Anthracene	ND		0.25	mg/Kg-dry	1	6/28/2024 09:33 PM
Azobenzene	ND		0.41	mg/Kg-dry	1	6/28/2024 09:33 PM
Benzidine	ND		0.41	mg/Kg-dry	1	6/28/2024 09:33 PM
Benzo(a)anthracene	ND		0.12	mg/Kg-dry	1	6/28/2024 09:33 PM
Benzo(a)pyrene	ND		0.12	mg/Kg-dry	1	6/28/2024 09:33 PM
Benzo(b)fluoranthene	ND		0.25	mg/Kg-dry	1	6/28/2024 09:33 PM
Benzo(g,h,i)perylene	ND		0.25	mg/Kg-dry	1	6/28/2024 09:33 PM
Benzo(k)fluoranthene	ND		0.25	mg/Kg-dry	1	6/28/2024 09:33 PM
Benzyl alcohol	ND		0.82	mg/Kg-dry	1	6/28/2024 09:33 PM
Bis(2-chloroethoxy)methane	ND		0.41	mg/Kg-dry	1	6/28/2024 09:33 PM
Bis(2-chloroethyl)ether	ND		0.41	mg/Kg-dry	1	6/28/2024 09:33 PM
Bis(2-chloroisopropyl)ether	ND		0.41	mg/Kg-dry	1	6/28/2024 09:33 PM
Bis(2-ethylhexyl)phthalate	ND		0.41	mg/Kg-dry	1	6/28/2024 09:33 PM
Butyl benzyl phthalate	ND		0.41	mg/Kg-dry	1	6/28/2024 09:33 PM
Carbazole	ND		0.25	mg/Kg-dry	1	6/28/2024 09:33 PM
Chrysene	ND		0.25	mg/Kg-dry	1	6/28/2024 09:33 PM
Dibenzo(a,h)anthracene	ND		0.12	mg/Kg-dry	1	6/28/2024 09:33 PM
Dibenzofuran	ND		0.25	mg/Kg-dry	1	6/28/2024 09:33 PM
Diethyl phthalate	ND		0.41	mg/Kg-dry	1	6/28/2024 09:33 PM
Dimethyl phthalate	ND		0.41	mg/Kg-dry	1	6/28/2024 09:33 PM
Di-n-butyl phthalate	ND		0.41	mg/Kg-dry	1	6/28/2024 09:33 PM
Di-n-octyl phthalate	ND		0.41	mg/Kg-dry	1	6/28/2024 09:33 PM

Note:

# ALS Environmental

Date: 08-Jul-24

Client: Partners Environmental Consulting, Inc.  
 Project: Former Leake Oil; 448 E. Taggart St., East Palesti  
 Sample ID: DUP-24  
 Collection Date: 6/17/2024 12:37 PM

Work Order: 24060754  
 Lab ID: 24060754-07  
 Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Dinoseb	ND		0.41	mg/Kg-dry	1	6/28/2024 09:33 PM
Diphenylamine	ND		0.41	mg/Kg-dry	1	6/28/2024 09:33 PM
Ethyl methanesulfonate	ND		0.41	mg/Kg-dry	1	6/28/2024 09:33 PM
Fluoranthene	ND		0.25	mg/Kg-dry	1	6/28/2024 09:33 PM
Fluorene	ND		0.25	mg/Kg-dry	1	6/28/2024 09:33 PM
Hexachlorobenzene	ND		0.41	mg/Kg-dry	1	6/28/2024 09:33 PM
Hexachlorobutadiene	ND		0.41	mg/Kg-dry	1	6/28/2024 09:33 PM
Hexachlorocyclopentadiene	ND		0.41	mg/Kg-dry	1	6/28/2024 09:33 PM
Hexachloroethane	ND		0.41	mg/Kg-dry	1	6/28/2024 09:33 PM
Indeno(1,2,3-cd)pyrene	ND		0.12	mg/Kg-dry	1	6/28/2024 09:33 PM
Isophorone	ND		0.41	mg/Kg-dry	1	6/28/2024 09:33 PM
Isosafrole	ND		0.41	mg/Kg-dry	1	6/28/2024 09:33 PM
Methapyrilene	ND		2.0	mg/Kg-dry	1	6/28/2024 09:33 PM
Methyl methanesulfonate	ND		0.41	mg/Kg-dry	1	6/28/2024 09:33 PM
Naphthalene	ND		0.25	mg/Kg-dry	1	6/28/2024 09:33 PM
Nitrobenzene	ND		0.41	mg/Kg-dry	1	6/28/2024 09:33 PM
N-Nitrosodiethylamine	ND		0.41	mg/Kg-dry	1	6/28/2024 09:33 PM
N-Nitrosodimethylamine	ND		0.41	mg/Kg-dry	1	6/28/2024 09:33 PM
N-Nitroso-di-n-butylamine	ND		0.41	mg/Kg-dry	1	6/28/2024 09:33 PM
N-Nitrosodi-n-propylamine	ND		0.41	mg/Kg-dry	1	6/28/2024 09:33 PM
N-Nitrosomethylethylamine	ND		0.41	mg/Kg-dry	1	6/28/2024 09:33 PM
N-Nitrosomorpholine	ND		0.41	mg/Kg-dry	1	6/28/2024 09:33 PM
N-Nitrosopiperidine	ND		0.41	mg/Kg-dry	1	6/28/2024 09:33 PM
N-Nitrosopyrrolidine	ND		0.41	mg/Kg-dry	1	6/28/2024 09:33 PM
o-Toluidine	ND		2.0	mg/Kg-dry	1	6/28/2024 09:33 PM
p-Dimethylaminoazobenzene	ND		0.41	mg/Kg-dry	1	6/28/2024 09:33 PM
Pentachlorobenzene	ND		0.41	mg/Kg-dry	1	6/28/2024 09:33 PM
Pentachloroethane	ND		0.41	mg/Kg-dry	1	6/28/2024 09:33 PM
Pentachloronitrobenzene	ND		0.82	mg/Kg-dry	1	6/28/2024 09:33 PM
Pentachlorophenol	ND		2.0	mg/Kg-dry	1	6/28/2024 09:33 PM
Phenacetin	ND		0.82	mg/Kg-dry	1	6/28/2024 09:33 PM
Phenanthrene	ND		0.25	mg/Kg-dry	1	6/28/2024 09:33 PM
Phenol	ND		0.41	mg/Kg-dry	1	6/28/2024 09:33 PM
Pyrene	ND		0.25	mg/Kg-dry	1	6/28/2024 09:33 PM
Pyridine	ND		0.41	mg/Kg-dry	1	6/28/2024 09:33 PM
Safrole	ND		0.41	mg/Kg-dry	1	6/28/2024 09:33 PM
Surr: 2,4,6-Tribromophenol	66.7		14.2-136	%REC	1	6/28/2024 09:33 PM
Surr: 2-Fluorobiphenyl	62.4		30-116	%REC	1	6/28/2024 09:33 PM
Surr: 2-Fluorophenol	70.8		5.42-113	%REC	1	6/28/2024 09:33 PM
Surr: 4-Terphenyl-d14	72.6		27.3-138	%REC	1	6/28/2024 09:33 PM

Note:



# ALS Environmental

Date: 08-Jul-24

**Client:** Partners Environmental Consulting, Inc.  
**Project:** Former Leake Oil; 448 E. Taggart St., East Palesti  
**Sample ID:** DUP-24  
**Collection Date:** 6/17/2024 12:37 PM

**Work Order:** 24060754  
**Lab ID:** 24060754-07  
**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Surr: Nitrobenzene-d5	70.7		23.7-109	%REC	1	6/28/2024 09:33 PM
Surr: Phenol-d6	72.5		13.8-108	%REC	1	6/28/2024 09:33 PM
<b>VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8260B</b>	<b>Analyst: RA</b>		
1,1,1,2-Tetrachloroethane	ND		0.0062	mg/Kg-dry	1	6/26/2024 02:41 PM
1,1,1-Trichloroethane	ND		0.0062	mg/Kg-dry	1	6/26/2024 02:41 PM
1,1,2,2-Tetrachloroethane	ND		0.0062	mg/Kg-dry	1	6/26/2024 02:41 PM
1,1,2-Trichloroethane	ND		0.0062	mg/Kg-dry	1	6/26/2024 02:41 PM
1,1-Dichloroethane	ND		0.0062	mg/Kg-dry	1	6/26/2024 02:41 PM
1,1-Dichloroethene	ND		0.0062	mg/Kg-dry	1	6/26/2024 02:41 PM
1,1-Dichloropropene	ND		0.0062	mg/Kg-dry	1	6/26/2024 02:41 PM
1,2,3-Trichlorobenzene	ND		0.0062	mg/Kg-dry	1	6/26/2024 02:41 PM
1,2,3-Trichloropropane	ND		0.0062	mg/Kg-dry	1	6/26/2024 02:41 PM
1,2,4-Trichlorobenzene	ND		0.0062	mg/Kg-dry	1	6/26/2024 02:41 PM
1,2,4-Trimethylbenzene	ND		0.0062	mg/Kg-dry	1	6/26/2024 02:41 PM
1,2-Dibromo-3-chloropropane	ND		0.0062	mg/Kg-dry	1	6/26/2024 02:41 PM
1,2-Dibromoethane	ND		0.0062	mg/Kg-dry	1	6/26/2024 02:41 PM
1,2-Dichlorobenzene	ND		0.0062	mg/Kg-dry	1	6/26/2024 02:41 PM
1,2-Dichloroethane	ND		0.0062	mg/Kg-dry	1	6/26/2024 02:41 PM
1,2-Dichloropropane	ND		0.0062	mg/Kg-dry	1	6/26/2024 02:41 PM
1,3,5-Trimethylbenzene	ND		0.0062	mg/Kg-dry	1	6/26/2024 02:41 PM
1,3-Dichlorobenzene	ND		0.0062	mg/Kg-dry	1	6/26/2024 02:41 PM
1,3-Dichloropropane	ND		0.0062	mg/Kg-dry	1	6/26/2024 02:41 PM
1,4-Dichlorobenzene	ND		0.0062	mg/Kg-dry	1	6/26/2024 02:41 PM
2,2-Dichloropropane	ND		0.0062	mg/Kg-dry	1	6/26/2024 02:41 PM
2-Butanone	ND		0.062	mg/Kg-dry	1	6/26/2024 02:41 PM
2-Chlorotoluene	ND		0.0062	mg/Kg-dry	1	6/26/2024 02:41 PM
2-Hexanone	ND		0.0062	mg/Kg-dry	1	6/26/2024 02:41 PM
4-Chlorotoluene	ND		0.0062	mg/Kg-dry	1	6/26/2024 02:41 PM
4-Methyl-2-pentanone	ND		0.0062	mg/Kg-dry	1	6/26/2024 02:41 PM
Acetone	ND		0.062	mg/Kg-dry	1	6/26/2024 02:41 PM
Benzene	ND		0.0062	mg/Kg-dry	1	6/26/2024 02:41 PM
Bromobenzene	ND		0.0062	mg/Kg-dry	1	6/26/2024 02:41 PM
Bromochloromethane	ND		0.0062	mg/Kg-dry	1	6/26/2024 02:41 PM
Bromodichloromethane	ND		0.0062	mg/Kg-dry	1	6/26/2024 02:41 PM
Bromoform	ND		0.0062	mg/Kg-dry	1	6/26/2024 02:41 PM
Bromomethane	ND		0.0062	mg/Kg-dry	1	6/26/2024 02:41 PM
Carbon disulfide	ND		0.0062	mg/Kg-dry	1	6/26/2024 02:41 PM
Carbon tetrachloride	ND		0.0062	mg/Kg-dry	1	6/26/2024 02:41 PM
Chlorobenzene	ND		0.0062	mg/Kg-dry	1	6/26/2024 02:41 PM
Chloroethane	ND		0.0062	mg/Kg-dry	1	6/26/2024 02:41 PM

Note:

# ALS Environmental

Date: 08-Jul-24

**Client:** Partners Environmental Consulting, Inc.  
**Project:** Former Leake Oil; 448 E. Taggart St., East Palesti  
**Sample ID:** DUP-24  
**Collection Date:** 6/17/2024 12:37 PM

**Work Order:** 24060754  
**Lab ID:** 24060754-07  
**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Chloroform	ND		0.0062	mg/Kg-dry	1	6/26/2024 02:41 PM
Chloromethane	ND		0.0062	mg/Kg-dry	1	6/26/2024 02:41 PM
cis-1,2-Dichloroethene	ND		0.0062	mg/Kg-dry	1	6/26/2024 02:41 PM
cis-1,3-Dichloropropene	ND		0.0062	mg/Kg-dry	1	6/26/2024 02:41 PM
Dibromochloromethane	ND		0.0062	mg/Kg-dry	1	6/26/2024 02:41 PM
Dibromomethane	ND		0.0062	mg/Kg-dry	1	6/26/2024 02:41 PM
Dichlorodifluoromethane	ND		0.0062	mg/Kg-dry	1	6/26/2024 02:41 PM
Ethylbenzene	ND		0.0062	mg/Kg-dry	1	6/26/2024 02:41 PM
Hexachlorobutadiene	ND		0.0062	mg/Kg-dry	1	6/26/2024 02:41 PM
Isopropylbenzene	ND		0.0062	mg/Kg-dry	1	6/26/2024 02:41 PM
m,p-Xylene	ND		0.012	mg/Kg-dry	1	6/26/2024 02:41 PM
Methyl tert-butyl ether	ND		0.0062	mg/Kg-dry	1	6/26/2024 02:41 PM
Methylene chloride	ND		0.025	mg/Kg-dry	1	6/26/2024 02:41 PM
Naphthalene	ND		0.0062	mg/Kg-dry	1	6/26/2024 02:41 PM
n-Butylbenzene	ND		0.0062	mg/Kg-dry	1	6/26/2024 02:41 PM
n-Propylbenzene	ND		0.0062	mg/Kg-dry	1	6/26/2024 02:41 PM
o-Xylene	ND		0.0062	mg/Kg-dry	1	6/26/2024 02:41 PM
p-Isopropyltoluene	ND		0.0062	mg/Kg-dry	1	6/26/2024 02:41 PM
sec-Butylbenzene	ND		0.0062	mg/Kg-dry	1	6/26/2024 02:41 PM
Styrene	ND		0.0062	mg/Kg-dry	1	6/26/2024 02:41 PM
tert-Butylbenzene	ND		0.0062	mg/Kg-dry	1	6/26/2024 02:41 PM
Tetrachloroethene	ND		0.0062	mg/Kg-dry	1	6/26/2024 02:41 PM
Toluene	ND		0.0062	mg/Kg-dry	1	6/26/2024 02:41 PM
trans-1,2-Dichloroethene	ND		0.0062	mg/Kg-dry	1	6/26/2024 02:41 PM
trans-1,3-Dichloropropene	ND		0.0062	mg/Kg-dry	1	6/26/2024 02:41 PM
Trichloroethene	ND		0.0062	mg/Kg-dry	1	6/26/2024 02:41 PM
Trichlorofluoromethane	ND		0.0062	mg/Kg-dry	1	6/26/2024 02:41 PM
Vinyl chloride	ND		0.0062	mg/Kg-dry	1	6/26/2024 02:41 PM
Xylenes, Total	ND		0.019	mg/Kg-dry	1	6/26/2024 02:41 PM
Surr: 4-Bromofluorobenzene	102		78.9-128	%REC	1	6/26/2024 02:41 PM
Surr: Dibromofluoromethane	112		79.1-140	%REC	1	6/26/2024 02:41 PM
Surr: Toluene-d8	106		84.5-124	%REC	1	6/26/2024 02:41 PM

Note:

# ALS Environmental

Date: 08-Jul-24

**Client:** Partners Environmental Consulting, Inc.  
**Project:** Former Leake Oil; 448 E. Taggart St., East Palesti  
**Sample ID:** EQ-24  
**Collection Date:** 6/17/2024 02:55 PM

**Work Order:** 24060754  
**Lab ID:** 24060754-08  
**Matrix:** WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>SEMI-VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8270C</b>		Prep: SW3510C 6/24/24 10:20	Analyst: DTL
1,2,4,5-Tetrachlorobenzene	ND		10.0	µg/L	1	6/24/2024 06:01 PM
1,2,4-Trichlorobenzene	ND		10.0	µg/L	1	6/24/2024 06:01 PM
1,2-Dichlorobenzene	ND		10.0	µg/L	1	6/24/2024 06:01 PM
1,3-Dichlorobenzene	ND		10.0	µg/L	1	6/24/2024 06:01 PM
1,3-Dinitrobenzene	ND		10.0	µg/L	1	6/24/2024 06:01 PM
1,4-Dichlorobenzene	ND		10.0	µg/L	1	6/24/2024 06:01 PM
1-Methylnaphthalene	ND		0.200	µg/L	1	6/24/2024 06:01 PM
1-Naphthylamine	ND		10.0	µg/L	1	6/24/2024 06:01 PM
2,3,4,6-Tetrachlorophenol	ND		10.0	µg/L	1	6/24/2024 06:01 PM
2,4,5-Trichlorophenol	ND		10.0	µg/L	1	6/24/2024 06:01 PM
2,4,6-Trichlorophenol	ND		10.0	µg/L	1	6/24/2024 06:01 PM
2,4-Dichlorophenol	ND		10.0	µg/L	1	6/24/2024 06:01 PM
2,4-Dimethylphenol	ND		10.0	µg/L	1	6/24/2024 06:01 PM
2,4-Dinitrophenol	ND		10.0	µg/L	1	6/24/2024 06:01 PM
2,4-Dinitrotoluene	ND		10.0	µg/L	1	6/24/2024 06:01 PM
2,6-Dichlorophenol	ND		10.0	µg/L	1	6/24/2024 06:01 PM
2,6-Dinitrotoluene	ND		10.0	µg/L	1	6/24/2024 06:01 PM
2-Acetylaminofluorene	ND		10.0	µg/L	1	6/24/2024 06:01 PM
2-Chloronaphthalene	ND		10.0	µg/L	1	6/24/2024 06:01 PM
2-Chlorophenol	ND		10.0	µg/L	1	6/24/2024 06:01 PM
2-Methylnaphthalene	ND		0.200	µg/L	1	6/24/2024 06:01 PM
2-Methylphenol	ND		10.0	µg/L	1	6/24/2024 06:01 PM
2-Naphthylamine	ND		10.0	µg/L	1	6/24/2024 06:01 PM
2-Nitroaniline	ND		10.0	µg/L	1	6/24/2024 06:01 PM
2-Nitrophenol	ND		10.0	µg/L	1	6/24/2024 06:01 PM
2-Picoline	ND		10.0	µg/L	1	6/24/2024 06:01 PM
3&4-Methylphenol	ND		10.0	µg/L	1	6/24/2024 06:01 PM
3,3'-Dichlorobenzidine	ND		10.0	µg/L	1	6/24/2024 06:01 PM
3-Methylcholanthrene	ND		10.0	µg/L	1	6/24/2024 06:01 PM
3-Nitroaniline	ND		10.0	µg/L	1	6/24/2024 06:01 PM
4,6-Dinitro-2-methylphenol	ND		10.0	µg/L	1	6/24/2024 06:01 PM
4-Aminobiphenyl	ND		10.0	µg/L	1	6/24/2024 06:01 PM
4-Bromophenyl phenyl ether	ND		10.0	µg/L	1	6/24/2024 06:01 PM
4-Chloro-3-methylphenol	ND		10.0	µg/L	1	6/24/2024 06:01 PM
4-Chloroaniline	ND		10.0	µg/L	1	6/24/2024 06:01 PM
4-Chlorophenyl phenyl ether	ND		10.0	µg/L	1	6/24/2024 06:01 PM
4-Nitroaniline	ND		10.0	µg/L	1	6/24/2024 06:01 PM
4-Nitrophenol	ND		10.0	µg/L	1	6/24/2024 06:01 PM
4-Nitroquinoline 1-oxide	ND		10.0	µg/L	1	6/24/2024 06:01 PM

Note:

# ALS Environmental

Date: 08-Jul-24

**Client:** Partners Environmental Consulting, Inc.  
**Project:** Former Leake Oil; 448 E. Taggert St., East Palesti  
**Sample ID:** EQ-24  
**Collection Date:** 6/17/2024 02:55 PM

**Work Order:** 24060754  
**Lab ID:** 24060754-08  
**Matrix:** WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
5-Nitro-o-toluidine	ND		10.0	µg/L	1	6/24/2024 06:01 PM
7,12-Dimethylbenz(a)anthracene	ND		10.0	µg/L	1	6/24/2024 06:01 PM
Acenaphthene	ND		0.200	µg/L	1	6/24/2024 06:01 PM
Acenaphthylene	ND		0.200	µg/L	1	6/24/2024 06:01 PM
Acetophenone	ND		10.0	µg/L	1	6/24/2024 06:01 PM
Aniline	ND		10.0	µg/L	1	6/24/2024 06:01 PM
Anthracene	ND		0.200	µg/L	1	6/24/2024 06:01 PM
Azobenzene	ND		10.0	µg/L	1	6/24/2024 06:01 PM
Benzidine	ND		10.0	µg/L	1	6/24/2024 06:01 PM
Benzo(g,h,i)perylene	ND		0.200	µg/L	1	6/24/2024 06:01 PM
Benzo[a]anthracene	ND		0.200	µg/L	1	6/24/2024 06:01 PM
Benzo[a]pyrene	ND		0.200	µg/L	1	6/24/2024 06:01 PM
Benzo[b]fluoranthene	ND		0.200	µg/L	1	6/24/2024 06:01 PM
Benzo[k]fluoranthene	ND		0.200	µg/L	1	6/24/2024 06:01 PM
Benzyl alcohol	ND		10.0	µg/L	1	6/24/2024 06:01 PM
Bis(2-chloroethoxy)methane	ND		10.0	µg/L	1	6/24/2024 06:01 PM
Bis(2-chloroethyl)ether	ND		10.0	µg/L	1	6/24/2024 06:01 PM
Bis(2-chloroisopropyl)ether	ND		10.0	µg/L	1	6/24/2024 06:01 PM
Bis(2-ethylhexyl)phthalate	ND		10.0	µg/L	1	6/24/2024 06:01 PM
Butyl benzyl phthalate	ND		10.0	µg/L	1	6/24/2024 06:01 PM
Carbazole	ND		0.200	µg/L	1	6/24/2024 06:01 PM
Chrysene	ND		0.200	µg/L	1	6/24/2024 06:01 PM
Dibenz[a,h]anthracene	ND		0.200	µg/L	1	6/24/2024 06:01 PM
Dibenzofuran	ND		0.200	µg/L	1	6/24/2024 06:01 PM
Diethyl phthalate	ND		10.0	µg/L	1	6/24/2024 06:01 PM
Dimethyl phthalate	ND		10.0	µg/L	1	6/24/2024 06:01 PM
Di-n-butyl phthalate	ND		10.0	µg/L	1	6/24/2024 06:01 PM
Di-n-octyl phthalate	ND		10.0	µg/L	1	6/24/2024 06:01 PM
Dinoseb	ND		10.0	µg/L	1	6/24/2024 06:01 PM
Diphenylamine	ND		10.0	µg/L	1	6/24/2024 06:01 PM
Ethyl methanesulfonate	ND		10.0	µg/L	1	6/24/2024 06:01 PM
Fluoranthene	ND		0.200	µg/L	1	6/24/2024 06:01 PM
Fluorene	ND		0.200	µg/L	1	6/24/2024 06:01 PM
Hexachlorobenzene	ND		10.0	µg/L	1	6/24/2024 06:01 PM
Hexachlorobutadiene	ND		10.0	µg/L	1	6/24/2024 06:01 PM
Hexachlorocyclopentadiene	ND		10.0	µg/L	1	6/24/2024 06:01 PM
Hexachloroethane	ND		10.0	µg/L	1	6/24/2024 06:01 PM
Indeno[1,2,3-cd]pyrene	ND		0.200	µg/L	1	6/24/2024 06:01 PM
Isophorone	ND		10.0	µg/L	1	6/24/2024 06:01 PM
Isosafrole	ND		10.0	µg/L	1	6/24/2024 06:01 PM

**Note:**

# ALS Environmental

Date: 08-Jul-24

**Client:** Partners Environmental Consulting, Inc.  
**Project:** Former Leake Oil; 448 E. Taggart St., East Palesti  
**Sample ID:** EQ-24  
**Collection Date:** 6/17/2024 02:55 PM

**Work Order:** 24060754  
**Lab ID:** 24060754-08  
**Matrix:** WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Methapyrilene	ND		10.0	µg/L	1	6/24/2024 06:01 PM
Methyl methanesulfonate	ND		10.0	µg/L	1	6/24/2024 06:01 PM
Naphthalene	ND		10.0	µg/L	1	6/24/2024 06:01 PM
Nitrobenzene	ND		10.0	µg/L	1	6/24/2024 06:01 PM
N-Nitrosodiethylamine	ND		10.0	µg/L	1	6/24/2024 06:01 PM
N-Nitrosodimethylamine	ND		10.0	µg/L	1	6/24/2024 06:01 PM
N-Nitroso-di-n-butylamine	ND		10.0	µg/L	1	6/24/2024 06:01 PM
N-Nitrosodi-n-propylamine	ND		10.0	µg/L	1	6/24/2024 06:01 PM
N-Nitrosomethylethylamine	ND		10.0	µg/L	1	6/24/2024 06:01 PM
N-Nitrosomorpholine	ND		10.0	µg/L	1	6/24/2024 06:01 PM
N-Nitrosopiperidine	ND		10.0	µg/L	1	6/24/2024 06:01 PM
N-Nitrosopyrrolidine	ND		10.0	µg/L	1	6/24/2024 06:01 PM
o-Toluidine	ND		10.0	µg/L	1	6/24/2024 06:01 PM
p-Dimethylaminoazobenzene	ND		10.0	µg/L	1	6/24/2024 06:01 PM
Pentachlorobenzene	ND		10.0	µg/L	1	6/24/2024 06:01 PM
Pentachloroethane	ND		10.0	µg/L	1	6/24/2024 06:01 PM
Pentachloronitrobenzene	ND		10.0	µg/L	1	6/24/2024 06:01 PM
Pentachlorophenol	ND		10.0	µg/L	1	6/24/2024 06:01 PM
Phenacetin	ND		10.0	µg/L	1	6/24/2024 06:01 PM
Phenanthrene	ND		0.200	µg/L	1	6/24/2024 06:01 PM
Phenol	ND		10.0	µg/L	1	6/24/2024 06:01 PM
Pyrene	ND		0.200	µg/L	1	6/24/2024 06:01 PM
Pyridine	ND		10.0	µg/L	1	6/24/2024 06:01 PM
Safrole	ND		10.0	µg/L	1	6/24/2024 06:01 PM
Surr: 2,4,6-Tribromophenol	70.3		9.92-114	%REC	1	6/24/2024 06:01 PM
Surr: 2-Fluorobiphenyl	80.8		31.5-129	%REC	1	6/24/2024 06:01 PM
Surr: 2-Fluorophenol	51.8		12-89	%REC	1	6/24/2024 06:01 PM
Surr: 4-Terphenyl-d14	75.9		38.3-160	%REC	1	6/24/2024 06:01 PM
Surr: Nitrobenzene-d5	84.3		28-120	%REC	1	6/24/2024 06:01 PM
Surr: Phenol-d6	34.9		4.27-70.1	%REC	1	6/24/2024 06:01 PM

## VOLATILE ORGANIC COMPOUNDS

SW8260B

Analyst: TJH

1,1,1,2-Tetrachloroethane	ND		5.0	µg/L	1	6/25/2024 01:16 PM
1,1,1-Trichloroethane	ND		5.0	µg/L	1	6/25/2024 01:16 PM
1,1,2,2-Tetrachloroethane	ND		5.0	µg/L	1	6/25/2024 01:16 PM
1,1,2-Trichloroethane	ND		5.0	µg/L	1	6/25/2024 01:16 PM
1,1-Dichloroethane	ND		5.0	µg/L	1	6/25/2024 01:16 PM
1,1-Dichloroethene	ND		5.0	µg/L	1	6/25/2024 01:16 PM
1,1-Dichloropropene	ND		5.0	µg/L	1	6/25/2024 01:16 PM
1,2,3-Trichlorobenzene	ND		5.0	µg/L	1	6/25/2024 01:16 PM
1,2,3-Trichloropropane	ND		5.0	µg/L	1	6/25/2024 01:16 PM

Note:

# ALS Environmental

Date: 08-Jul-24

**Client:** Partners Environmental Consulting, Inc.  
**Project:** Former Leake Oil; 448 E. Taggart St., East Palesti  
**Sample ID:** EQ-24  
**Collection Date:** 6/17/2024 02:55 PM

**Work Order:** 24060754  
**Lab ID:** 24060754-08  
**Matrix:** WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1,2,4-Trichlorobenzene	ND		5.0	µg/L	1	6/25/2024 01:16 PM
1,2,4-Trimethylbenzene	ND		5.0	µg/L	1	6/25/2024 01:16 PM
1,2-Dibromo-3-chloropropane	ND		0.20	µg/L	1	6/25/2024 01:16 PM
1,2-Dibromoethane	ND		0.050	µg/L	1	6/25/2024 01:16 PM
1,2-Dichlorobenzene	ND		5.0	µg/L	1	6/25/2024 01:16 PM
1,2-Dichloroethane	ND		5.0	µg/L	1	6/25/2024 01:16 PM
1,2-Dichloropropane	ND		5.0	µg/L	1	6/25/2024 01:16 PM
1,3,5-Trimethylbenzene	ND		5.0	µg/L	1	6/25/2024 01:16 PM
1,3-Dichlorobenzene	ND		5.0	µg/L	1	6/25/2024 01:16 PM
1,3-Dichloropropane	ND		5.0	µg/L	1	6/25/2024 01:16 PM
1,4-Dichlorobenzene	ND		5.0	µg/L	1	6/25/2024 01:16 PM
2,2-Dichloropropane	ND		5.0	µg/L	1	6/25/2024 01:16 PM
2-Butanone	ND		50	µg/L	1	6/25/2024 01:16 PM
2-Chlorotoluene	ND		5.0	µg/L	1	6/25/2024 01:16 PM
2-Hexanone	ND		5.0	µg/L	1	6/25/2024 01:16 PM
4-Chlorotoluene	ND		5.0	µg/L	1	6/25/2024 01:16 PM
4-Methyl-2-pentanone	ND		5.0	µg/L	1	6/25/2024 01:16 PM
Acetone	ND		50	µg/L	1	6/25/2024 01:16 PM
Benzene	ND		5.0	µg/L	1	6/25/2024 01:16 PM
Bromobenzene	ND		5.0	µg/L	1	6/25/2024 01:16 PM
Bromochloromethane	ND		5.0	µg/L	1	6/25/2024 01:16 PM
Bromodichloromethane	ND		5.0	µg/L	1	6/25/2024 01:16 PM
Bromoform	ND		5.0	µg/L	1	6/25/2024 01:16 PM
Bromomethane	ND		5.0	µg/L	1	6/25/2024 01:16 PM
Carbon disulfide	ND		5.0	µg/L	1	6/25/2024 01:16 PM
Carbon tetrachloride	ND		5.0	µg/L	1	6/25/2024 01:16 PM
Chlorobenzene	ND		5.0	µg/L	1	6/25/2024 01:16 PM
Chloroethane	ND		5.0	µg/L	1	6/25/2024 01:16 PM
Chloroform	ND		5.0	µg/L	1	6/25/2024 01:16 PM
Chloromethane	ND		5.0	µg/L	1	6/25/2024 01:16 PM
cis-1,2-Dichloroethene	ND		5.0	µg/L	1	6/25/2024 01:16 PM
cis-1,3-Dichloropropene	ND		5.0	µg/L	1	6/25/2024 01:16 PM
Dibromochloromethane	ND		5.0	µg/L	1	6/25/2024 01:16 PM
Dibromomethane	ND		5.0	µg/L	1	6/25/2024 01:16 PM
Dichlorodifluoromethane	ND		5.0	µg/L	1	6/25/2024 01:16 PM
Ethylbenzene	ND		5.0	µg/L	1	6/25/2024 01:16 PM
Hexachlorobutadiene	ND		5.0	µg/L	1	6/25/2024 01:16 PM
Isopropylbenzene	ND		5.0	µg/L	1	6/25/2024 01:16 PM
m,p-Xylene	ND		10	µg/L	1	6/25/2024 01:16 PM
Methyl tert-butyl ether	ND		5.0	µg/L	1	6/25/2024 01:16 PM

Note:

# ALS Environmental

Date: 08-Jul-24

Client: Partners Environmental Consulting, Inc.  
 Project: Former Leake Oil; 448 E. Taggart St., East Palesti  
 Sample ID: EQ-24  
 Collection Date: 6/17/2024 02:55 PM

Work Order: 24060754  
 Lab ID: 24060754-08  
 Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Methylene chloride	ND		5.0	µg/L	1	6/25/2024 01:16 PM
Naphthalene	ND		5.0	µg/L	1	6/25/2024 01:16 PM
n-Butylbenzene	ND		5.0	µg/L	1	6/25/2024 01:16 PM
n-Propylbenzene	ND		5.0	µg/L	1	6/25/2024 01:16 PM
o-Xylene	ND		5.0	µg/L	1	6/25/2024 01:16 PM
p-Isopropyltoluene	ND		5.0	µg/L	1	6/25/2024 01:16 PM
sec-Butylbenzene	ND		5.0	µg/L	1	6/25/2024 01:16 PM
Styrene	ND		5.0	µg/L	1	6/25/2024 01:16 PM
tert-Butylbenzene	ND		5.0	µg/L	1	6/25/2024 01:16 PM
Tetrachloroethene	ND		5.0	µg/L	1	6/25/2024 01:16 PM
Toluene	ND		5.0	µg/L	1	6/25/2024 01:16 PM
trans-1,2-Dichloroethene	ND		5.0	µg/L	1	6/25/2024 01:16 PM
trans-1,3-Dichloropropene	ND		5.0	µg/L	1	6/25/2024 01:16 PM
Trichloroethene	ND		5.0	µg/L	1	6/25/2024 01:16 PM
Trichlorofluoromethane	ND		5.0	µg/L	1	6/25/2024 01:16 PM
Vinyl chloride	ND		2.0	µg/L	1	6/25/2024 01:16 PM
Xylenes, Total	ND		15	µg/L	1	6/25/2024 01:16 PM
Surr: 4-Bromofluorobenzene	109		61-131	%REC	1	6/25/2024 01:16 PM
Surr: Dibromofluoromethane	100		72-137	%REC	1	6/25/2024 01:16 PM
Surr: Toluene-d8	106		93.7-124	%REC	1	6/25/2024 01:16 PM

DRAFT

Note:



# ALS Environmental

Date: 08-Jul-24

**Client:** Partners Environmental Consulting, Inc.  
**Project:** Former Leake Oil; 448 E. Taggart St., East Palesti  
**Sample ID:** MW-07 0-2'  
**Collection Date:** 6/17/2024 02:31 PM

**Work Order:** 24060754  
**Lab ID:** 24060754-09  
**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>DIESEL RANGE ORGANICS AND OIL RANGE ORGANICS</b>			<b>SW8015B</b>	Prep: SW3546 6/28/24 16:59		Analyst: <b>TME</b>
TPH C10-C20	ND		15	mg/Kg-dry	1	7/1/2024 05:23 PM
TPH C20-C34	ND		15	mg/Kg-dry	1	7/1/2024 05:23 PM
Surr: Nonane	51.3		13.1-113	%REC	1	7/1/2024 05:23 PM
Surr: Pentacosane	54.3		28.2-111	%REC	1	7/1/2024 05:23 PM
<b>GASOLINE RANGE ORGANICS (C6-C12)</b>			<b>SW8015A</b>			Analyst: <b>LAK</b>
TPH C6-C12	ND		2.3	mg/Kg-dry	1	6/27/2024 06:14 PM
Surr: Cyclooctane	105		65.2-156	%REC	1	6/27/2024 06:14 PM
<b>MOISTURE</b>			<b>SM2540B</b>			Analyst: <b>CS</b>
Moisture	13			% of sample	1	6/21/2024
<b>SEMI-VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8270C</b>	Prep: SW3546 6/28/24 09:27		Analyst: <b>DTL</b>
1,2,4,5-Tetrachlorobenzene	ND		0.38	mg/Kg-dry	1	6/28/2024 09:48 PM
1,2,4-Trichlorobenzene	ND		0.38	mg/Kg-dry	1	6/28/2024 09:48 PM
1,2-Dichlorobenzene	ND		0.38	mg/Kg-dry	1	6/28/2024 09:48 PM
1,3-Dichlorobenzene	ND		0.38	mg/Kg-dry	1	6/28/2024 09:48 PM
1,3-Dinitrobenzene	ND		0.38	mg/Kg-dry	1	6/28/2024 09:48 PM
1,4-Dichlorobenzene	ND		0.38	mg/Kg-dry	1	6/28/2024 09:48 PM
1-Methylnaphthalene	ND		0.23	mg/Kg-dry	1	6/28/2024 09:48 PM
1-Naphthylamine	ND		0.38	mg/Kg-dry	1	6/28/2024 09:48 PM
2,3,4,6-Tetrachlorophenol	ND		0.38	mg/Kg-dry	1	6/28/2024 09:48 PM
2,4,5-Trichlorophenol	ND		0.38	mg/Kg-dry	1	6/28/2024 09:48 PM
2,4,6-Trichlorophenol	ND		0.38	mg/Kg-dry	1	6/28/2024 09:48 PM
2,4-Dichlorophenol	ND		0.38	mg/Kg-dry	1	6/28/2024 09:48 PM
2,4-Dimethylphenol	ND		0.38	mg/Kg-dry	1	6/28/2024 09:48 PM
2,4-Dinitrophenol	ND		1.9	mg/Kg-dry	1	6/28/2024 09:48 PM
2,4-Dinitrotoluene	ND		0.38	mg/Kg-dry	1	6/28/2024 09:48 PM
2,6-Dichlorophenol	ND		0.38	mg/Kg-dry	1	6/28/2024 09:48 PM
2,6-Dinitrotoluene	ND		0.38	mg/Kg-dry	1	6/28/2024 09:48 PM
2-Acetylaminofluorene	ND		0.38	mg/Kg-dry	1	6/28/2024 09:48 PM
2-Chloronaphthalene	ND		0.38	mg/Kg-dry	1	6/28/2024 09:48 PM
2-Chlorophenol	ND		0.38	mg/Kg-dry	1	6/28/2024 09:48 PM
2-Methylnaphthalene	ND		0.23	mg/Kg-dry	1	6/28/2024 09:48 PM
2-Methylphenol	ND		0.38	mg/Kg-dry	1	6/28/2024 09:48 PM
2-Naphthylamine	ND		0.38	mg/Kg-dry	1	6/28/2024 09:48 PM
2-Nitroaniline	ND		1.9	mg/Kg-dry	1	6/28/2024 09:48 PM
2-Nitrophenol	ND		0.38	mg/Kg-dry	1	6/28/2024 09:48 PM
2-Picoline	ND		0.38	mg/Kg-dry	1	6/28/2024 09:48 PM
3&4-Methylphenol	ND		0.38	mg/Kg-dry	1	6/28/2024 09:48 PM

Note:

# ALS Environmental

Date: 08-Jul-24

**Client:** Partners Environmental Consulting, Inc.  
**Project:** Former Leake Oil; 448 E. Taggart St., East Palesti  
**Sample ID:** MW-07 0-2'  
**Collection Date:** 6/17/2024 02:31 PM

**Work Order:** 24060754  
**Lab ID:** 24060754-09  
**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
3,3'-Dichlorobenzidine	ND		0.76	mg/Kg-dry	1	6/28/2024 09:48 PM
3-Methylcholanthrene	ND		0.38	mg/Kg-dry	1	6/28/2024 09:48 PM
3-Nitroaniline	ND		1.9	mg/Kg-dry	1	6/28/2024 09:48 PM
4,6-Dinitro-2-methylphenol	ND		1.9	mg/Kg-dry	1	6/28/2024 09:48 PM
4-Aminobiphenyl	ND		0.76	mg/Kg-dry	1	6/28/2024 09:48 PM
4-Bromophenyl phenyl ether	ND		0.38	mg/Kg-dry	1	6/28/2024 09:48 PM
4-Chloro-3-methylphenol	ND		0.76	mg/Kg-dry	1	6/28/2024 09:48 PM
4-Chloroaniline	ND		0.76	mg/Kg-dry	1	6/28/2024 09:48 PM
4-Chlorophenyl phenyl ether	ND		0.38	mg/Kg-dry	1	6/28/2024 09:48 PM
4-Nitroaniline	ND		0.76	mg/Kg-dry	1	6/28/2024 09:48 PM
4-Nitrophenol	ND		1.9	mg/Kg-dry	1	6/28/2024 09:48 PM
4-Nitroquinoline 1-oxide	ND		1.9	mg/Kg-dry	1	6/28/2024 09:48 PM
5-Nitro-o-toluidine	ND		0.38	mg/Kg-dry	1	6/28/2024 09:48 PM
7,12-Dimethylbenz(a)anthracene	ND		0.38	mg/Kg-dry	1	6/28/2024 09:48 PM
Acenaphthene	ND		0.23	mg/Kg-dry	1	6/28/2024 09:48 PM
Acenaphthylene	ND		0.23	mg/Kg-dry	1	6/28/2024 09:48 PM
Acetophenone	ND		0.38	mg/Kg-dry	1	6/28/2024 09:48 PM
Aniline	ND		0.38	mg/Kg-dry	1	6/28/2024 09:48 PM
Anthracene	ND		0.23	mg/Kg-dry	1	6/28/2024 09:48 PM
Azobenzene	ND		0.38	mg/Kg-dry	1	6/28/2024 09:48 PM
Benzidine	ND		0.38	mg/Kg-dry	1	6/28/2024 09:48 PM
Benzo(a)anthracene	ND		0.11	mg/Kg-dry	1	6/28/2024 09:48 PM
Benzo(a)pyrene	ND		0.11	mg/Kg-dry	1	6/28/2024 09:48 PM
Benzo(b)fluoranthene	ND		0.23	mg/Kg-dry	1	6/28/2024 09:48 PM
Benzo(g,h,i)perylene	ND		0.23	mg/Kg-dry	1	6/28/2024 09:48 PM
Benzo(k)fluoranthene	ND		0.23	mg/Kg-dry	1	6/28/2024 09:48 PM
Benzyl alcohol	ND		0.76	mg/Kg-dry	1	6/28/2024 09:48 PM
Bis(2-chloroethoxy)methane	ND		0.38	mg/Kg-dry	1	6/28/2024 09:48 PM
Bis(2-chloroethyl)ether	ND		0.38	mg/Kg-dry	1	6/28/2024 09:48 PM
Bis(2-chloroisopropyl)ether	ND		0.38	mg/Kg-dry	1	6/28/2024 09:48 PM
Bis(2-ethylhexyl)phthalate	ND		0.38	mg/Kg-dry	1	6/28/2024 09:48 PM
Butyl benzyl phthalate	ND		0.38	mg/Kg-dry	1	6/28/2024 09:48 PM
Carbazole	ND		0.23	mg/Kg-dry	1	6/28/2024 09:48 PM
Chrysene	ND		0.23	mg/Kg-dry	1	6/28/2024 09:48 PM
Dibenzo(a,h)anthracene	ND		0.11	mg/Kg-dry	1	6/28/2024 09:48 PM
Dibenzofuran	ND		0.23	mg/Kg-dry	1	6/28/2024 09:48 PM
Diethyl phthalate	ND		0.38	mg/Kg-dry	1	6/28/2024 09:48 PM
Dimethyl phthalate	ND		0.38	mg/Kg-dry	1	6/28/2024 09:48 PM
Di-n-butyl phthalate	ND		0.38	mg/Kg-dry	1	6/28/2024 09:48 PM
Di-n-octyl phthalate	ND		0.38	mg/Kg-dry	1	6/28/2024 09:48 PM

**Note:**

# ALS Environmental

Date: 08-Jul-24

**Client:** Partners Environmental Consulting, Inc.  
**Project:** Former Leake Oil; 448 E. Taggart St., East Palesti  
**Sample ID:** MW-07 0-2'  
**Collection Date:** 6/17/2024 02:31 PM

**Work Order:** 24060754  
**Lab ID:** 24060754-09  
**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Dinoseb	ND		0.38	mg/Kg-dry	1	6/28/2024 09:48 PM
Diphenylamine	ND		0.38	mg/Kg-dry	1	6/28/2024 09:48 PM
Ethyl methanesulfonate	ND		0.38	mg/Kg-dry	1	6/28/2024 09:48 PM
Fluoranthene	ND		0.23	mg/Kg-dry	1	6/28/2024 09:48 PM
Fluorene	ND		0.23	mg/Kg-dry	1	6/28/2024 09:48 PM
Hexachlorobenzene	ND		0.38	mg/Kg-dry	1	6/28/2024 09:48 PM
Hexachlorobutadiene	ND		0.38	mg/Kg-dry	1	6/28/2024 09:48 PM
Hexachlorocyclopentadiene	ND		0.38	mg/Kg-dry	1	6/28/2024 09:48 PM
Hexachloroethane	ND		0.38	mg/Kg-dry	1	6/28/2024 09:48 PM
Indeno(1,2,3-cd)pyrene	ND		0.11	mg/Kg-dry	1	6/28/2024 09:48 PM
Isophorone	ND		0.38	mg/Kg-dry	1	6/28/2024 09:48 PM
Isosafrole	ND		0.38	mg/Kg-dry	1	6/28/2024 09:48 PM
Methapyrilene	ND		1.9	mg/Kg-dry	1	6/28/2024 09:48 PM
Methyl methanesulfonate	ND		0.38	mg/Kg-dry	1	6/28/2024 09:48 PM
Naphthalene	ND		0.23	mg/Kg-dry	1	6/28/2024 09:48 PM
Nitrobenzene	ND		0.38	mg/Kg-dry	1	6/28/2024 09:48 PM
N-Nitrosodiethylamine	ND		0.38	mg/Kg-dry	1	6/28/2024 09:48 PM
N-Nitrosodimethylamine	ND		0.38	mg/Kg-dry	1	6/28/2024 09:48 PM
N-Nitroso-di-n-butylamine	ND		0.38	mg/Kg-dry	1	6/28/2024 09:48 PM
N-Nitrosodi-n-propylamine	ND		0.38	mg/Kg-dry	1	6/28/2024 09:48 PM
N-Nitrosomethylethylamine	ND		0.38	mg/Kg-dry	1	6/28/2024 09:48 PM
N-Nitrosomorpholine	ND		0.38	mg/Kg-dry	1	6/28/2024 09:48 PM
N-Nitrosopiperidine	ND		0.38	mg/Kg-dry	1	6/28/2024 09:48 PM
N-Nitrosopyrrolidine	ND		0.38	mg/Kg-dry	1	6/28/2024 09:48 PM
o-Toluidine	ND		1.9	mg/Kg-dry	1	6/28/2024 09:48 PM
p-Dimethylaminoazobenzene	ND		0.38	mg/Kg-dry	1	6/28/2024 09:48 PM
Pentachlorobenzene	ND		0.38	mg/Kg-dry	1	6/28/2024 09:48 PM
Pentachloroethane	ND		0.38	mg/Kg-dry	1	6/28/2024 09:48 PM
Pentachloronitrobenzene	ND		0.76	mg/Kg-dry	1	6/28/2024 09:48 PM
Pentachlorophenol	ND		1.9	mg/Kg-dry	1	6/28/2024 09:48 PM
Phenacetin	ND		0.76	mg/Kg-dry	1	6/28/2024 09:48 PM
Phenanthrene	ND		0.23	mg/Kg-dry	1	6/28/2024 09:48 PM
Phenol	ND		0.38	mg/Kg-dry	1	6/28/2024 09:48 PM
Pyrene	ND		0.23	mg/Kg-dry	1	6/28/2024 09:48 PM
Pyridine	ND		0.38	mg/Kg-dry	1	6/28/2024 09:48 PM
Safrole	ND		0.38	mg/Kg-dry	1	6/28/2024 09:48 PM
Surr: 2,4,6-Tribromophenol	69.2		14.2-136	%REC	1	6/28/2024 09:48 PM
Surr: 2-Fluorobiphenyl	61.0		30-116	%REC	1	6/28/2024 09:48 PM
Surr: 2-Fluorophenol	68.0		5.42-113	%REC	1	6/28/2024 09:48 PM
Surr: 4-Terphenyl-d14	70.2		27.3-138	%REC	1	6/28/2024 09:48 PM

Note:

# ALS Environmental

Date: 08-Jul-24

**Client:** Partners Environmental Consulting, Inc.  
**Project:** Former Leake Oil; 448 E. Taggart St., East Palesti  
**Sample ID:** MW-07 0-2'  
**Collection Date:** 6/17/2024 02:31 PM

**Work Order:** 24060754  
**Lab ID:** 24060754-09  
**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Surr: Nitrobenzene-d5	68.5		23.7-109	%REC	1	6/28/2024 09:48 PM
Surr: Phenol-d6	69.7		13.8-108	%REC	1	6/28/2024 09:48 PM

## VOLATILE ORGANIC COMPOUNDS

SW8260B

Analyst: RA

1,1,1,2-Tetrachloroethane	ND		0.0057	mg/Kg-dry	1	6/26/2024 02:57 PM
1,1,1-Trichloroethane	ND		0.0057	mg/Kg-dry	1	6/26/2024 02:57 PM
1,1,2,2-Tetrachloroethane	ND		0.0057	mg/Kg-dry	1	6/26/2024 02:57 PM
1,1,2-Trichloroethane	ND		0.0057	mg/Kg-dry	1	6/26/2024 02:57 PM
1,1-Dichloroethane	ND		0.0057	mg/Kg-dry	1	6/26/2024 02:57 PM
1,1-Dichloroethene	ND		0.0057	mg/Kg-dry	1	6/26/2024 02:57 PM
1,1-Dichloropropene	ND		0.0057	mg/Kg-dry	1	6/26/2024 02:57 PM
1,2,3-Trichlorobenzene	ND		0.0057	mg/Kg-dry	1	6/26/2024 02:57 PM
1,2,3-Trichloropropane	ND		0.0057	mg/Kg-dry	1	6/26/2024 02:57 PM
1,2,4-Trichlorobenzene	ND		0.0057	mg/Kg-dry	1	6/26/2024 02:57 PM
1,2,4-Trimethylbenzene	ND		0.0057	mg/Kg-dry	1	6/26/2024 02:57 PM
1,2-Dibromo-3-chloropropane	ND		0.0057	mg/Kg-dry	1	6/26/2024 02:57 PM
1,2-Dibromoethane	ND		0.0057	mg/Kg-dry	1	6/26/2024 02:57 PM
1,2-Dichlorobenzene	ND		0.0057	mg/Kg-dry	1	6/26/2024 02:57 PM
1,2-Dichloroethane	ND		0.0057	mg/Kg-dry	1	6/26/2024 02:57 PM
1,2-Dichloropropane	ND		0.0057	mg/Kg-dry	1	6/26/2024 02:57 PM
1,3,5-Trimethylbenzene	ND		0.0057	mg/Kg-dry	1	6/26/2024 02:57 PM
1,3-Dichlorobenzene	ND		0.0057	mg/Kg-dry	1	6/26/2024 02:57 PM
1,3-Dichloropropane	ND		0.0057	mg/Kg-dry	1	6/26/2024 02:57 PM
1,4-Dichlorobenzene	ND		0.0057	mg/Kg-dry	1	6/26/2024 02:57 PM
2,2-Dichloropropane	ND		0.0057	mg/Kg-dry	1	6/26/2024 02:57 PM
2-Butanone	ND		0.057	mg/Kg-dry	1	6/26/2024 02:57 PM
2-Chlorotoluene	ND		0.0057	mg/Kg-dry	1	6/26/2024 02:57 PM
2-Hexanone	ND		0.0057	mg/Kg-dry	1	6/26/2024 02:57 PM
4-Chlorotoluene	ND		0.0057	mg/Kg-dry	1	6/26/2024 02:57 PM
4-Methyl-2-pentanone	ND		0.0057	mg/Kg-dry	1	6/26/2024 02:57 PM
Acetone	ND		0.057	mg/Kg-dry	1	6/26/2024 02:57 PM
Benzene	ND		0.0057	mg/Kg-dry	1	6/26/2024 02:57 PM
Bromobenzene	ND		0.0057	mg/Kg-dry	1	6/26/2024 02:57 PM
Bromochloromethane	ND		0.0057	mg/Kg-dry	1	6/26/2024 02:57 PM
Bromodichloromethane	ND		0.0057	mg/Kg-dry	1	6/26/2024 02:57 PM
Bromoform	ND		0.0057	mg/Kg-dry	1	6/26/2024 02:57 PM
Bromomethane	ND		0.0057	mg/Kg-dry	1	6/26/2024 02:57 PM
Carbon disulfide	ND		0.0057	mg/Kg-dry	1	6/26/2024 02:57 PM
Carbon tetrachloride	ND		0.0057	mg/Kg-dry	1	6/26/2024 02:57 PM
Chlorobenzene	ND		0.0057	mg/Kg-dry	1	6/26/2024 02:57 PM
Chloroethane	ND		0.0057	mg/Kg-dry	1	6/26/2024 02:57 PM

Note:

# ALS Environmental

Date: 08-Jul-24

**Client:** Partners Environmental Consulting, Inc.  
**Project:** Former Leake Oil; 448 E. Taggart St., East Palesti  
**Sample ID:** MW-07 0-2'  
**Collection Date:** 6/17/2024 02:31 PM

**Work Order:** 24060754  
**Lab ID:** 24060754-09  
**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Chloroform	ND		0.0057	mg/Kg-dry	1	6/26/2024 02:57 PM
Chloromethane	ND		0.0057	mg/Kg-dry	1	6/26/2024 02:57 PM
cis-1,2-Dichloroethene	ND		0.0057	mg/Kg-dry	1	6/26/2024 02:57 PM
cis-1,3-Dichloropropene	ND		0.0057	mg/Kg-dry	1	6/26/2024 02:57 PM
Dibromochloromethane	ND		0.0057	mg/Kg-dry	1	6/26/2024 02:57 PM
Dibromomethane	ND		0.0057	mg/Kg-dry	1	6/26/2024 02:57 PM
Dichlorodifluoromethane	ND		0.0057	mg/Kg-dry	1	6/26/2024 02:57 PM
Ethylbenzene	ND		0.0057	mg/Kg-dry	1	6/26/2024 02:57 PM
Hexachlorobutadiene	ND		0.0057	mg/Kg-dry	1	6/26/2024 02:57 PM
Isopropylbenzene	ND		0.0057	mg/Kg-dry	1	6/26/2024 02:57 PM
m,p-Xylene	ND		0.011	mg/Kg-dry	1	6/26/2024 02:57 PM
Methyl tert-butyl ether	ND		0.0057	mg/Kg-dry	1	6/26/2024 02:57 PM
Methylene chloride	ND		0.023	mg/Kg-dry	1	6/26/2024 02:57 PM
Naphthalene	ND		0.0057	mg/Kg-dry	1	6/26/2024 02:57 PM
n-Butylbenzene	ND		0.0057	mg/Kg-dry	1	6/26/2024 02:57 PM
n-Propylbenzene	ND		0.0057	mg/Kg-dry	1	6/26/2024 02:57 PM
o-Xylene	ND		0.0057	mg/Kg-dry	1	6/26/2024 02:57 PM
p-Isopropyltoluene	ND		0.0057	mg/Kg-dry	1	6/26/2024 02:57 PM
sec-Butylbenzene	ND		0.0057	mg/Kg-dry	1	6/26/2024 02:57 PM
Styrene	ND		0.0057	mg/Kg-dry	1	6/26/2024 02:57 PM
tert-Butylbenzene	ND		0.0057	mg/Kg-dry	1	6/26/2024 02:57 PM
Tetrachloroethene	ND		0.0057	mg/Kg-dry	1	6/26/2024 02:57 PM
Toluene	ND		0.0057	mg/Kg-dry	1	6/26/2024 02:57 PM
trans-1,2-Dichloroethene	ND		0.0057	mg/Kg-dry	1	6/26/2024 02:57 PM
trans-1,3-Dichloropropene	ND		0.0057	mg/Kg-dry	1	6/26/2024 02:57 PM
Trichloroethene	ND		0.0057	mg/Kg-dry	1	6/26/2024 02:57 PM
Trichlorofluoromethane	ND		0.0057	mg/Kg-dry	1	6/26/2024 02:57 PM
Vinyl chloride	ND		0.0057	mg/Kg-dry	1	6/26/2024 02:57 PM
Xylenes, Total	ND		0.017	mg/Kg-dry	1	6/26/2024 02:57 PM
Surr: 4-Bromofluorobenzene	102		78.9-128	%REC	1	6/26/2024 02:57 PM
Surr: Dibromofluoromethane	114		79.1-140	%REC	1	6/26/2024 02:57 PM
Surr: Toluene-d8	106		84.5-124	%REC	1	6/26/2024 02:57 PM

Note:

# ALS Environmental

Date: 08-Jul-24

**Client:** Partners Environmental Consulting, Inc.  
**Project:** Former Leake Oil; 448 E. Taggart St., East Palesti  
**Sample ID:** MW-07 6-8'  
**Collection Date:** 6/17/2024 02:31 PM

**Work Order:** 24060754  
**Lab ID:** 24060754-10  
**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>DIESEL RANGE ORGANICS AND OIL RANGE ORGANICS</b>			<b>SW8015B</b>	Prep: SW3546 6/28/24 16:59		Analyst: <b>TME</b>
TPH C10-C20	ND		17	mg/Kg-dry	1	7/1/2024 05:42 PM
TPH C20-C34	ND		17	mg/Kg-dry	1	7/1/2024 05:42 PM
Surr: Nonane	61.4		13.1-113	%REC	1	7/1/2024 05:42 PM
Surr: Pentacosane	63.7		28.2-111	%REC	1	7/1/2024 05:42 PM
<b>GASOLINE RANGE ORGANICS (C6-C12)</b>			<b>SW8015A</b>	Prep: SW3546 6/28/24 16:59		Analyst: <b>LAK</b>
TPH C6-C12	ND		2.5	mg/Kg-dry	1	6/27/2024 06:40 PM
Surr: Cyclooctane	99.8		65.2-156	%REC	1	6/27/2024 06:40 PM
<b>MOISTURE</b>			<b>SM2540B</b>	Prep: SW3546 6/28/24 16:59		Analyst: <b>CS</b>
Moisture	21			% of sample	1	6/21/2024
<b>SEMI-VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8270C</b>	Prep: SW3546 6/28/24 09:27		Analyst: <b>DTL</b>
1,2,4,5-Tetrachlorobenzene	ND		0.42	mg/Kg-dry	1	6/28/2024 10:03 PM
1,2,4-Trichlorobenzene	ND		0.42	mg/Kg-dry	1	6/28/2024 10:03 PM
1,2-Dichlorobenzene	ND		0.42	mg/Kg-dry	1	6/28/2024 10:03 PM
1,3-Dichlorobenzene	ND		0.42	mg/Kg-dry	1	6/28/2024 10:03 PM
1,3-Dinitrobenzene	ND		0.42	mg/Kg-dry	1	6/28/2024 10:03 PM
1,4-Dichlorobenzene	ND		0.42	mg/Kg-dry	1	6/28/2024 10:03 PM
1-Methylnaphthalene	ND		0.25	mg/Kg-dry	1	6/28/2024 10:03 PM
1-Naphthylamine	ND		0.42	mg/Kg-dry	1	6/28/2024 10:03 PM
2,3,4,6-Tetrachlorophenol	ND		0.42	mg/Kg-dry	1	6/28/2024 10:03 PM
2,4,5-Trichlorophenol	ND		0.42	mg/Kg-dry	1	6/28/2024 10:03 PM
2,4,6-Trichlorophenol	ND		0.42	mg/Kg-dry	1	6/28/2024 10:03 PM
2,4-Dichlorophenol	ND		0.42	mg/Kg-dry	1	6/28/2024 10:03 PM
2,4-Dimethylphenol	ND		0.42	mg/Kg-dry	1	6/28/2024 10:03 PM
2,4-Dinitrophenol	ND		2.1	mg/Kg-dry	1	6/28/2024 10:03 PM
2,4-Dinitrotoluene	ND		0.42	mg/Kg-dry	1	6/28/2024 10:03 PM
2,6-Dichlorophenol	ND		0.42	mg/Kg-dry	1	6/28/2024 10:03 PM
2,6-Dinitrotoluene	ND		0.42	mg/Kg-dry	1	6/28/2024 10:03 PM
2-Acetylaminofluorene	ND		0.42	mg/Kg-dry	1	6/28/2024 10:03 PM
2-Chloronaphthalene	ND		0.42	mg/Kg-dry	1	6/28/2024 10:03 PM
2-Chlorophenol	ND		0.42	mg/Kg-dry	1	6/28/2024 10:03 PM
2-Methylnaphthalene	ND		0.25	mg/Kg-dry	1	6/28/2024 10:03 PM
2-Methylphenol	ND		0.42	mg/Kg-dry	1	6/28/2024 10:03 PM
2-Naphthylamine	ND		0.42	mg/Kg-dry	1	6/28/2024 10:03 PM
2-Nitroaniline	ND		2.1	mg/Kg-dry	1	6/28/2024 10:03 PM
2-Nitrophenol	ND		0.42	mg/Kg-dry	1	6/28/2024 10:03 PM
2-Picoline	ND		0.42	mg/Kg-dry	1	6/28/2024 10:03 PM
3&4-Methylphenol	ND		0.42	mg/Kg-dry	1	6/28/2024 10:03 PM

Note:

# ALS Environmental

Date: 08-Jul-24

**Client:** Partners Environmental Consulting, Inc.  
**Project:** Former Leake Oil; 448 E. Taggart St., East Palesti  
**Sample ID:** MW-07 6-8'  
**Collection Date:** 6/17/2024 02:31 PM

**Work Order:** 24060754  
**Lab ID:** 24060754-10  
**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
3,3'-Dichlorobenzidine	ND		0.84	mg/Kg-dry	1	6/28/2024 10:03 PM
3-Methylcholanthrene	ND		0.42	mg/Kg-dry	1	6/28/2024 10:03 PM
3-Nitroaniline	ND		2.1	mg/Kg-dry	1	6/28/2024 10:03 PM
4,6-Dinitro-2-methylphenol	ND		2.1	mg/Kg-dry	1	6/28/2024 10:03 PM
4-Aminobiphenyl	ND		0.84	mg/Kg-dry	1	6/28/2024 10:03 PM
4-Bromophenyl phenyl ether	ND		0.42	mg/Kg-dry	1	6/28/2024 10:03 PM
4-Chloro-3-methylphenol	ND		0.84	mg/Kg-dry	1	6/28/2024 10:03 PM
4-Chloroaniline	ND		0.84	mg/Kg-dry	1	6/28/2024 10:03 PM
4-Chlorophenyl phenyl ether	ND		0.42	mg/Kg-dry	1	6/28/2024 10:03 PM
4-Nitroaniline	ND		0.84	mg/Kg-dry	1	6/28/2024 10:03 PM
4-Nitrophenol	ND		2.1	mg/Kg-dry	1	6/28/2024 10:03 PM
4-Nitroquinoline 1-oxide	ND		2.1	mg/Kg-dry	1	6/28/2024 10:03 PM
5-Nitro-o-toluidine	ND		0.42	mg/Kg-dry	1	6/28/2024 10:03 PM
7,12-Dimethylbenz(a)anthracene	ND		0.42	mg/Kg-dry	1	6/28/2024 10:03 PM
Acenaphthene	ND		0.25	mg/Kg-dry	1	6/28/2024 10:03 PM
Acenaphthylene	ND		0.25	mg/Kg-dry	1	6/28/2024 10:03 PM
Acetophenone	ND		0.42	mg/Kg-dry	1	6/28/2024 10:03 PM
Aniline	ND		0.42	mg/Kg-dry	1	6/28/2024 10:03 PM
Anthracene	ND		0.25	mg/Kg-dry	1	6/28/2024 10:03 PM
Azobenzene	ND		0.42	mg/Kg-dry	1	6/28/2024 10:03 PM
Benzidine	ND		0.42	mg/Kg-dry	1	6/28/2024 10:03 PM
Benzo(a)anthracene	ND		0.13	mg/Kg-dry	1	6/28/2024 10:03 PM
Benzo(a)pyrene	ND		0.13	mg/Kg-dry	1	6/28/2024 10:03 PM
Benzo(b)fluoranthene	ND		0.25	mg/Kg-dry	1	6/28/2024 10:03 PM
Benzo(g,h,i)perylene	ND		0.25	mg/Kg-dry	1	6/28/2024 10:03 PM
Benzo(k)fluoranthene	ND		0.25	mg/Kg-dry	1	6/28/2024 10:03 PM
Benzyl alcohol	ND		0.84	mg/Kg-dry	1	6/28/2024 10:03 PM
Bis(2-chloroethoxy)methane	ND		0.42	mg/Kg-dry	1	6/28/2024 10:03 PM
Bis(2-chloroethyl)ether	ND		0.42	mg/Kg-dry	1	6/28/2024 10:03 PM
Bis(2-chloroisopropyl)ether	ND		0.42	mg/Kg-dry	1	6/28/2024 10:03 PM
Bis(2-ethylhexyl)phthalate	ND		0.42	mg/Kg-dry	1	6/28/2024 10:03 PM
Butyl benzyl phthalate	ND		0.42	mg/Kg-dry	1	6/28/2024 10:03 PM
Carbazole	ND		0.25	mg/Kg-dry	1	6/28/2024 10:03 PM
Chrysene	ND		0.25	mg/Kg-dry	1	6/28/2024 10:03 PM
Dibenzo(a,h)anthracene	ND		0.13	mg/Kg-dry	1	6/28/2024 10:03 PM
Dibenzofuran	ND		0.25	mg/Kg-dry	1	6/28/2024 10:03 PM
Diethyl phthalate	ND		0.42	mg/Kg-dry	1	6/28/2024 10:03 PM
Dimethyl phthalate	ND		0.42	mg/Kg-dry	1	6/28/2024 10:03 PM
Di-n-butyl phthalate	ND		0.42	mg/Kg-dry	1	6/28/2024 10:03 PM
Di-n-octyl phthalate	ND		0.42	mg/Kg-dry	1	6/28/2024 10:03 PM

**Note:**



# ALS Environmental

Date: 08-Jul-24

**Client:** Partners Environmental Consulting, Inc.  
**Project:** Former Leake Oil; 448 E. Taggart St., East Palesti  
**Sample ID:** MW-07 6-8'  
**Collection Date:** 6/17/2024 02:31 PM

**Work Order:** 24060754  
**Lab ID:** 24060754-10  
**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Dinoseb	ND		0.42	mg/Kg-dry	1	6/28/2024 10:03 PM
Diphenylamine	ND		0.42	mg/Kg-dry	1	6/28/2024 10:03 PM
Ethyl methanesulfonate	ND		0.42	mg/Kg-dry	1	6/28/2024 10:03 PM
Fluoranthene	ND		0.25	mg/Kg-dry	1	6/28/2024 10:03 PM
Fluorene	ND		0.25	mg/Kg-dry	1	6/28/2024 10:03 PM
Hexachlorobenzene	ND		0.42	mg/Kg-dry	1	6/28/2024 10:03 PM
Hexachlorobutadiene	ND		0.42	mg/Kg-dry	1	6/28/2024 10:03 PM
Hexachlorocyclopentadiene	ND		0.42	mg/Kg-dry	1	6/28/2024 10:03 PM
Hexachloroethane	ND		0.42	mg/Kg-dry	1	6/28/2024 10:03 PM
Indeno(1,2,3-cd)pyrene	ND		0.13	mg/Kg-dry	1	6/28/2024 10:03 PM
Isophorone	ND		0.42	mg/Kg-dry	1	6/28/2024 10:03 PM
Isosafrole	ND		0.42	mg/Kg-dry	1	6/28/2024 10:03 PM
Methapyrilene	ND		2.1	mg/Kg-dry	1	6/28/2024 10:03 PM
Methyl methanesulfonate	ND		0.42	mg/Kg-dry	1	6/28/2024 10:03 PM
Naphthalene	ND		0.25	mg/Kg-dry	1	6/28/2024 10:03 PM
Nitrobenzene	ND		0.42	mg/Kg-dry	1	6/28/2024 10:03 PM
N-Nitrosodiethylamine	ND		0.42	mg/Kg-dry	1	6/28/2024 10:03 PM
N-Nitrosodimethylamine	ND		0.42	mg/Kg-dry	1	6/28/2024 10:03 PM
N-Nitroso-di-n-butylamine	ND		0.42	mg/Kg-dry	1	6/28/2024 10:03 PM
N-Nitrosodi-n-propylamine	ND		0.42	mg/Kg-dry	1	6/28/2024 10:03 PM
N-Nitrosomethylethylamine	ND		0.42	mg/Kg-dry	1	6/28/2024 10:03 PM
N-Nitrosomorpholine	ND		0.42	mg/Kg-dry	1	6/28/2024 10:03 PM
N-Nitrosopiperidine	ND		0.42	mg/Kg-dry	1	6/28/2024 10:03 PM
N-Nitrosopyrrolidine	ND		0.42	mg/Kg-dry	1	6/28/2024 10:03 PM
o-Toluidine	ND		2.1	mg/Kg-dry	1	6/28/2024 10:03 PM
p-Dimethylaminoazobenzene	ND		0.42	mg/Kg-dry	1	6/28/2024 10:03 PM
Pentachlorobenzene	ND		0.42	mg/Kg-dry	1	6/28/2024 10:03 PM
Pentachloroethane	ND		0.42	mg/Kg-dry	1	6/28/2024 10:03 PM
Pentachloronitrobenzene	ND		0.84	mg/Kg-dry	1	6/28/2024 10:03 PM
Pentachlorophenol	ND		2.1	mg/Kg-dry	1	6/28/2024 10:03 PM
Phenacetin	ND		0.84	mg/Kg-dry	1	6/28/2024 10:03 PM
Phenanthrene	ND		0.25	mg/Kg-dry	1	6/28/2024 10:03 PM
Phenol	ND		0.42	mg/Kg-dry	1	6/28/2024 10:03 PM
Pyrene	ND		0.25	mg/Kg-dry	1	6/28/2024 10:03 PM
Pyridine	ND		0.42	mg/Kg-dry	1	6/28/2024 10:03 PM
Safrole	ND		0.42	mg/Kg-dry	1	6/28/2024 10:03 PM
Surr: 2,4,6-Tribromophenol	72.4		14.2-136	%REC	1	6/28/2024 10:03 PM
Surr: 2-Fluorobiphenyl	65.5		30-116	%REC	1	6/28/2024 10:03 PM
Surr: 2-Fluorophenol	73.1		5.42-113	%REC	1	6/28/2024 10:03 PM
Surr: 4-Terphenyl-d14	74.6		27.3-138	%REC	1	6/28/2024 10:03 PM

Note:

# ALS Environmental

Date: 08-Jul-24

**Client:** Partners Environmental Consulting, Inc.  
**Project:** Former Leake Oil; 448 E. Taggart St., East Palesti  
**Sample ID:** MW-07 6-8'  
**Collection Date:** 6/17/2024 02:31 PM

**Work Order:** 24060754  
**Lab ID:** 24060754-10  
**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Surr: Nitrobenzene-d5	74.8		23.7-109	%REC	1	6/28/2024 10:03 PM
Surr: Phenol-d6	75.5		13.8-108	%REC	1	6/28/2024 10:03 PM

## VOLATILE ORGANIC COMPOUNDS

SW8260B

Analyst: RA

1,1,1,2-Tetrachloroethane	ND		0.0063	mg/Kg-dry	1	6/26/2024 03:14 PM
1,1,1-Trichloroethane	ND		0.0063	mg/Kg-dry	1	6/26/2024 03:14 PM
1,1,2,2-Tetrachloroethane	ND		0.0063	mg/Kg-dry	1	6/26/2024 03:14 PM
1,1,2-Trichloroethane	ND		0.0063	mg/Kg-dry	1	6/26/2024 03:14 PM
1,1-Dichloroethane	ND		0.0063	mg/Kg-dry	1	6/26/2024 03:14 PM
1,1-Dichloroethene	ND		0.0063	mg/Kg-dry	1	6/26/2024 03:14 PM
1,1-Dichloropropene	ND		0.0063	mg/Kg-dry	1	6/26/2024 03:14 PM
1,2,3-Trichlorobenzene	ND		0.0063	mg/Kg-dry	1	6/26/2024 03:14 PM
1,2,3-Trichloropropane	ND		0.0063	mg/Kg-dry	1	6/26/2024 03:14 PM
1,2,4-Trichlorobenzene	ND		0.0063	mg/Kg-dry	1	6/26/2024 03:14 PM
1,2,4-Trimethylbenzene	ND		0.0063	mg/Kg-dry	1	6/26/2024 03:14 PM
1,2-Dibromo-3-chloropropane	ND		0.0063	mg/Kg-dry	1	6/26/2024 03:14 PM
1,2-Dibromoethane	ND		0.0063	mg/Kg-dry	1	6/26/2024 03:14 PM
1,2-Dichlorobenzene	ND		0.0063	mg/Kg-dry	1	6/26/2024 03:14 PM
1,2-Dichloroethane	ND		0.0063	mg/Kg-dry	1	6/26/2024 03:14 PM
1,2-Dichloropropane	ND		0.0063	mg/Kg-dry	1	6/26/2024 03:14 PM
1,3,5-Trimethylbenzene	ND		0.0063	mg/Kg-dry	1	6/26/2024 03:14 PM
1,3-Dichlorobenzene	ND		0.0063	mg/Kg-dry	1	6/26/2024 03:14 PM
1,3-Dichloropropane	ND		0.0063	mg/Kg-dry	1	6/26/2024 03:14 PM
1,4-Dichlorobenzene	ND		0.0063	mg/Kg-dry	1	6/26/2024 03:14 PM
2,2-Dichloropropane	ND		0.0063	mg/Kg-dry	1	6/26/2024 03:14 PM
2-Butanone	ND		0.063	mg/Kg-dry	1	6/26/2024 03:14 PM
2-Chlorotoluene	ND		0.0063	mg/Kg-dry	1	6/26/2024 03:14 PM
2-Hexanone	ND		0.0063	mg/Kg-dry	1	6/26/2024 03:14 PM
4-Chlorotoluene	ND		0.0063	mg/Kg-dry	1	6/26/2024 03:14 PM
4-Methyl-2-pentanone	ND		0.0063	mg/Kg-dry	1	6/26/2024 03:14 PM
Acetone	ND		0.063	mg/Kg-dry	1	6/26/2024 03:14 PM
Benzene	ND		0.0063	mg/Kg-dry	1	6/26/2024 03:14 PM
Bromobenzene	ND		0.0063	mg/Kg-dry	1	6/26/2024 03:14 PM
Bromochloromethane	ND		0.0063	mg/Kg-dry	1	6/26/2024 03:14 PM
Bromodichloromethane	ND		0.0063	mg/Kg-dry	1	6/26/2024 03:14 PM
Bromoform	ND		0.0063	mg/Kg-dry	1	6/26/2024 03:14 PM
Bromomethane	ND		0.0063	mg/Kg-dry	1	6/26/2024 03:14 PM
Carbon disulfide	ND		0.0063	mg/Kg-dry	1	6/26/2024 03:14 PM
Carbon tetrachloride	ND		0.0063	mg/Kg-dry	1	6/26/2024 03:14 PM
Chlorobenzene	ND		0.0063	mg/Kg-dry	1	6/26/2024 03:14 PM
Chloroethane	ND		0.0063	mg/Kg-dry	1	6/26/2024 03:14 PM

Note:

# ALS Environmental

Date: 08-Jul-24

**Client:** Partners Environmental Consulting, Inc.  
**Project:** Former Leake Oil; 448 E. Taggart St., East Palesti  
**Sample ID:** MW-07 6-8'  
**Collection Date:** 6/17/2024 02:31 PM

**Work Order:** 24060754  
**Lab ID:** 24060754-10  
**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Chloroform	ND		0.0063	mg/Kg-dry	1	6/26/2024 03:14 PM
Chloromethane	ND		0.0063	mg/Kg-dry	1	6/26/2024 03:14 PM
cis-1,2-Dichloroethene	ND		0.0063	mg/Kg-dry	1	6/26/2024 03:14 PM
cis-1,3-Dichloropropene	ND		0.0063	mg/Kg-dry	1	6/26/2024 03:14 PM
Dibromochloromethane	ND		0.0063	mg/Kg-dry	1	6/26/2024 03:14 PM
Dibromomethane	ND		0.0063	mg/Kg-dry	1	6/26/2024 03:14 PM
Dichlorodifluoromethane	ND		0.0063	mg/Kg-dry	1	6/26/2024 03:14 PM
Ethylbenzene	ND		0.0063	mg/Kg-dry	1	6/26/2024 03:14 PM
Hexachlorobutadiene	ND		0.0063	mg/Kg-dry	1	6/26/2024 03:14 PM
Isopropylbenzene	ND		0.0063	mg/Kg-dry	1	6/26/2024 03:14 PM
m,p-Xylene	ND		0.013	mg/Kg-dry	1	6/26/2024 03:14 PM
Methyl tert-butyl ether	ND		0.0063	mg/Kg-dry	1	6/26/2024 03:14 PM
Methylene chloride	ND		0.025	mg/Kg-dry	1	6/26/2024 03:14 PM
Naphthalene	ND		0.0063	mg/Kg-dry	1	6/26/2024 03:14 PM
n-Butylbenzene	ND		0.0063	mg/Kg-dry	1	6/26/2024 03:14 PM
n-Propylbenzene	ND		0.0063	mg/Kg-dry	1	6/26/2024 03:14 PM
o-Xylene	ND		0.0063	mg/Kg-dry	1	6/26/2024 03:14 PM
p-Isopropyltoluene	ND		0.0063	mg/Kg-dry	1	6/26/2024 03:14 PM
sec-Butylbenzene	ND		0.0063	mg/Kg-dry	1	6/26/2024 03:14 PM
Styrene	ND		0.0063	mg/Kg-dry	1	6/26/2024 03:14 PM
tert-Butylbenzene	ND		0.0063	mg/Kg-dry	1	6/26/2024 03:14 PM
Tetrachloroethene	ND		0.0063	mg/Kg-dry	1	6/26/2024 03:14 PM
Toluene	ND		0.0063	mg/Kg-dry	1	6/26/2024 03:14 PM
trans-1,2-Dichloroethene	ND		0.0063	mg/Kg-dry	1	6/26/2024 03:14 PM
trans-1,3-Dichloropropene	ND		0.0063	mg/Kg-dry	1	6/26/2024 03:14 PM
Trichloroethene	ND		0.0063	mg/Kg-dry	1	6/26/2024 03:14 PM
Trichlorofluoromethane	ND		0.0063	mg/Kg-dry	1	6/26/2024 03:14 PM
Vinyl chloride	ND		0.0063	mg/Kg-dry	1	6/26/2024 03:14 PM
Xylenes, Total	ND		0.019	mg/Kg-dry	1	6/26/2024 03:14 PM
Surr: 4-Bromofluorobenzene	102		78.9-128	%REC	1	6/26/2024 03:14 PM
Surr: Dibromofluoromethane	113		79.1-140	%REC	1	6/26/2024 03:14 PM
Surr: Toluene-d8	105		84.5-124	%REC	1	6/26/2024 03:14 PM

Note:

# ALS Environmental

Date: 08-Jul-24

**Client:** Partners Environmental Consulting, Inc.  
**Project:** Former Leake Oil; 448 E. Taggart St., East Palesti  
**Sample ID:** MW-08 4-6'  
**Collection Date:** 6/17/2024 03:10 PM

**Work Order:** 24060754  
**Lab ID:** 24060754-11  
**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>DIESEL RANGE ORGANICS AND OIL RANGE ORGANICS</b>			<b>SW8015B</b>	Prep: SW3546 6/28/24 16:59		Analyst: <b>TME</b>
TPH C10-C20	2,100		320	mg/Kg-dry	20	7/2/2024 09:46 AM
TPH C20-C34	43		16	mg/Kg-dry	1	7/1/2024 06:01 PM
Surr: Nonane	116	S	13.1-113	%REC	1	7/1/2024 06:01 PM
Surr: Pentacosane	54.5		28.2-111	%REC	1	7/1/2024 06:01 PM
<b>GASOLINE RANGE ORGANICS (C6-C12)</b>			<b>SW8015A</b>	Prep: SW3546 6/28/24 16:59		Analyst: <b>LAK</b>
TPH C6-C12	68		2.4	mg/Kg-dry	1	6/27/2024 11:47 PM
Surr: Cyclooctane	116		65.2-156	%REC	1	6/27/2024 11:47 PM
<b>MOISTURE</b>			<b>SM2540B</b>	Prep: SW3546 6/28/24 16:59		Analyst: <b>CS</b>
Moisture	17			% of sample	1	6/21/2024
<b>SEMI-VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8270C</b>	Prep: SW3546 6/28/24 09:27		Analyst: <b>DTL</b>
1,2,4,5-Tetrachlorobenzene	ND		0.40	mg/Kg-dry	1	6/28/2024 10:18 PM
1,2,4-Trichlorobenzene	ND		0.40	mg/Kg-dry	1	6/28/2024 10:18 PM
1,2-Dichlorobenzene	ND		0.40	mg/Kg-dry	1	6/28/2024 10:18 PM
1,3-Dichlorobenzene	ND		0.40	mg/Kg-dry	1	6/28/2024 10:18 PM
1,3-Dinitrobenzene	ND		0.40	mg/Kg-dry	1	6/28/2024 10:18 PM
1,4-Dichlorobenzene	ND		0.40	mg/Kg-dry	1	6/28/2024 10:18 PM
<b>1-Methylnaphthalene</b>	<b>9.7</b>		<b>2.4</b>	<b>mg/Kg-dry</b>	<b>10</b>	7/1/2024 03:20 PM
1-Naphthylamine	ND		0.40	mg/Kg-dry	1	6/28/2024 10:18 PM
2,3,4,6-Tetrachlorophenol	ND		0.40	mg/Kg-dry	1	6/28/2024 10:18 PM
2,4,5-Trichlorophenol	ND		0.40	mg/Kg-dry	1	6/28/2024 10:18 PM
2,4,6-Trichlorophenol	ND		0.40	mg/Kg-dry	1	6/28/2024 10:18 PM
2,4-Dichlorophenol	ND		0.40	mg/Kg-dry	1	6/28/2024 10:18 PM
2,4-Dimethylphenol	ND		0.40	mg/Kg-dry	1	6/28/2024 10:18 PM
2,4-Dinitrophenol	ND		2.0	mg/Kg-dry	1	6/28/2024 10:18 PM
2,4-Dinitrotoluene	ND		0.40	mg/Kg-dry	1	6/28/2024 10:18 PM
2,6-Dichlorophenol	ND		0.40	mg/Kg-dry	1	6/28/2024 10:18 PM
2,6-Dinitrotoluene	ND		0.40	mg/Kg-dry	1	6/28/2024 10:18 PM
2-Acetylaminofluorene	ND		0.40	mg/Kg-dry	1	6/28/2024 10:18 PM
2-Chloronaphthalene	ND		0.40	mg/Kg-dry	1	6/28/2024 10:18 PM
2-Chlorophenol	ND		0.40	mg/Kg-dry	1	6/28/2024 10:18 PM
<b>2-Methylnaphthalene</b>	<b>7.2</b>		<b>2.4</b>	<b>mg/Kg-dry</b>	<b>10</b>	7/1/2024 03:20 PM
2-Methylphenol	ND		0.40	mg/Kg-dry	1	6/28/2024 10:18 PM
2-Naphthylamine	ND		0.40	mg/Kg-dry	1	6/28/2024 10:18 PM
2-Nitroaniline	ND		2.0	mg/Kg-dry	1	6/28/2024 10:18 PM
2-Nitrophenol	ND		0.40	mg/Kg-dry	1	6/28/2024 10:18 PM
2-Picoline	ND		0.40	mg/Kg-dry	1	6/28/2024 10:18 PM
3&4-Methylphenol	ND		0.40	mg/Kg-dry	1	6/28/2024 10:18 PM

Note:

# ALS Environmental

Date: 08-Jul-24

**Client:** Partners Environmental Consulting, Inc.  
**Project:** Former Leake Oil; 448 E. Taggert St., East Palesti  
**Sample ID:** MW-08 4-6'  
**Collection Date:** 6/17/2024 03:10 PM

**Work Order:** 24060754  
**Lab ID:** 24060754-11  
**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
3,3'-Dichlorobenzidine	ND		0.79	mg/Kg-dry	1	6/28/2024 10:18 PM
3-Methylcholanthrene	ND		0.40	mg/Kg-dry	1	6/28/2024 10:18 PM
3-Nitroaniline	ND		2.0	mg/Kg-dry	1	6/28/2024 10:18 PM
4,6-Dinitro-2-methylphenol	ND		2.0	mg/Kg-dry	1	6/28/2024 10:18 PM
4-Aminobiphenyl	ND		0.79	mg/Kg-dry	1	6/28/2024 10:18 PM
4-Bromophenyl phenyl ether	ND		0.40	mg/Kg-dry	1	6/28/2024 10:18 PM
4-Chloro-3-methylphenol	ND		0.79	mg/Kg-dry	1	6/28/2024 10:18 PM
4-Chloroaniline	ND		0.79	mg/Kg-dry	1	6/28/2024 10:18 PM
4-Chlorophenyl phenyl ether	ND		0.40	mg/Kg-dry	1	6/28/2024 10:18 PM
4-Nitroaniline	ND		0.79	mg/Kg-dry	1	6/28/2024 10:18 PM
4-Nitrophenol	ND		2.0	mg/Kg-dry	1	6/28/2024 10:18 PM
4-Nitroquinoline 1-oxide	ND		2.0	mg/Kg-dry	1	6/28/2024 10:18 PM
5-Nitro-o-toluidine	ND		0.40	mg/Kg-dry	1	6/28/2024 10:18 PM
7,12-Dimethylbenz(a)anthracene	ND		0.40	mg/Kg-dry	1	6/28/2024 10:18 PM
<b>Acenaphthene</b>	<b>0.77</b>		<b>0.24</b>	<b>mg/Kg-dry</b>	1	6/28/2024 10:18 PM
Acenaphthylene	ND		0.24	mg/Kg-dry	1	6/28/2024 10:18 PM
Acetophenone	ND		0.40	mg/Kg-dry	1	6/28/2024 10:18 PM
Aniline	ND		0.40	mg/Kg-dry	1	6/28/2024 10:18 PM
<b>Anthracene</b>	<b>0.60</b>		<b>0.24</b>	<b>mg/Kg-dry</b>	1	6/28/2024 10:18 PM
Azobenzene	ND		0.40	mg/Kg-dry	1	6/28/2024 10:18 PM
Benzidine	ND		0.40	mg/Kg-dry	1	6/28/2024 10:18 PM
Benzo(a)anthracene	ND		0.12	mg/Kg-dry	1	6/28/2024 10:18 PM
Benzo(a)pyrene	ND		0.12	mg/Kg-dry	1	6/28/2024 10:18 PM
Benzo(b)fluoranthene	ND		0.24	mg/Kg-dry	1	6/28/2024 10:18 PM
Benzo(g,h,i)perylene	ND		0.24	mg/Kg-dry	1	6/28/2024 10:18 PM
Benzo(k)fluoranthene	ND		0.24	mg/Kg-dry	1	6/28/2024 10:18 PM
Benzyl alcohol	ND		0.79	mg/Kg-dry	1	6/28/2024 10:18 PM
Bis(2-chloroethoxy)methane	ND		0.40	mg/Kg-dry	1	6/28/2024 10:18 PM
Bis(2-chloroethyl)ether	ND		0.40	mg/Kg-dry	1	6/28/2024 10:18 PM
Bis(2-chloroisopropyl)ether	ND		0.40	mg/Kg-dry	1	6/28/2024 10:18 PM
Bis(2-ethylhexyl)phthalate	ND		0.40	mg/Kg-dry	1	6/28/2024 10:18 PM
Butyl benzyl phthalate	ND		0.40	mg/Kg-dry	1	6/28/2024 10:18 PM
Carbazole	ND		0.24	mg/Kg-dry	1	6/28/2024 10:18 PM
Chrysene	ND		0.24	mg/Kg-dry	1	6/28/2024 10:18 PM
Dibenzo(a,h)anthracene	ND		0.12	mg/Kg-dry	1	6/28/2024 10:18 PM
<b>Dibenzofuran</b>	<b>0.50</b>		<b>0.24</b>	<b>mg/Kg-dry</b>	1	6/28/2024 10:18 PM
Diethyl phthalate	ND		0.40	mg/Kg-dry	1	6/28/2024 10:18 PM
Dimethyl phthalate	ND		0.40	mg/Kg-dry	1	6/28/2024 10:18 PM
Di-n-butyl phthalate	ND		0.40	mg/Kg-dry	1	6/28/2024 10:18 PM
Di-n-octyl phthalate	ND		0.40	mg/Kg-dry	1	6/28/2024 10:18 PM

Note:

# ALS Environmental

Date: 08-Jul-24

**Client:** Partners Environmental Consulting, Inc.  
**Project:** Former Leake Oil; 448 E. Taggart St., East Palesti  
**Sample ID:** MW-08 4-6'  
**Collection Date:** 6/17/2024 03:10 PM

**Work Order:** 24060754  
**Lab ID:** 24060754-11  
**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Dinoseb	ND		0.40	mg/Kg-dry	1	6/28/2024 10:18 PM
Diphenylamine	ND		0.40	mg/Kg-dry	1	6/28/2024 10:18 PM
Ethyl methanesulfonate	ND		0.40	mg/Kg-dry	1	6/28/2024 10:18 PM
Fluoranthene	ND		0.24	mg/Kg-dry	1	6/28/2024 10:18 PM
<b>Fluorene</b>	<b>1.3</b>		<b>0.24</b>	<b>mg/Kg-dry</b>	1	6/28/2024 10:18 PM
Hexachlorobenzene	ND		0.40	mg/Kg-dry	1	6/28/2024 10:18 PM
Hexachlorobutadiene	ND		0.40	mg/Kg-dry	1	6/28/2024 10:18 PM
Hexachlorocyclopentadiene	ND		0.40	mg/Kg-dry	1	6/28/2024 10:18 PM
Hexachloroethane	ND		0.40	mg/Kg-dry	1	6/28/2024 10:18 PM
Indeno(1,2,3-cd)pyrene	ND		0.12	mg/Kg-dry	1	6/28/2024 10:18 PM
Isophorone	ND		0.40	mg/Kg-dry	1	6/28/2024 10:18 PM
Isosafrole	ND		0.40	mg/Kg-dry	1	6/28/2024 10:18 PM
Methapyrilene	ND		2.0	mg/Kg-dry	1	6/28/2024 10:18 PM
Methyl methanesulfonate	ND		0.40	mg/Kg-dry	1	6/28/2024 10:18 PM
<b>Naphthalene</b>	<b>2.2</b>		<b>0.24</b>	<b>mg/Kg-dry</b>	1	6/28/2024 10:18 PM
Nitrobenzene	ND		0.40	mg/Kg-dry	1	6/28/2024 10:18 PM
N-Nitrosodiethylamine	ND		0.40	mg/Kg-dry	1	6/28/2024 10:18 PM
N-Nitrosodimethylamine	ND		0.40	mg/Kg-dry	1	6/28/2024 10:18 PM
N-Nitroso-di-n-butylamine	ND		0.40	mg/Kg-dry	1	6/28/2024 10:18 PM
N-Nitrosodi-n-propylamine	ND		0.40	mg/Kg-dry	1	6/28/2024 10:18 PM
N-Nitrosomethylethylamine	ND		0.40	mg/Kg-dry	1	6/28/2024 10:18 PM
N-Nitrosomorpholine	ND		0.40	mg/Kg-dry	1	6/28/2024 10:18 PM
N-Nitrosopiperidine	ND		0.40	mg/Kg-dry	1	6/28/2024 10:18 PM
N-Nitrosopyrrolidine	ND		0.40	mg/Kg-dry	1	6/28/2024 10:18 PM
o-Toluidine	ND		2.0	mg/Kg-dry	1	6/28/2024 10:18 PM
p-Dimethylaminoazobenzene	ND		0.40	mg/Kg-dry	1	6/28/2024 10:18 PM
Pentachlorobenzene	ND		0.40	mg/Kg-dry	1	6/28/2024 10:18 PM
Pentachloroethane	ND		0.40	mg/Kg-dry	1	6/28/2024 10:18 PM
Pentachloronitrobenzene	ND		0.79	mg/Kg-dry	1	6/28/2024 10:18 PM
Pentachlorophenol	ND		2.0	mg/Kg-dry	1	6/28/2024 10:18 PM
Phenacetin	ND		0.79	mg/Kg-dry	1	6/28/2024 10:18 PM
<b>Phenanthrene</b>	<b>3.7</b>		<b>0.24</b>	<b>mg/Kg-dry</b>	1	6/28/2024 10:18 PM
Phenol	ND		0.40	mg/Kg-dry	1	6/28/2024 10:18 PM
Pyrene	ND		0.24	mg/Kg-dry	1	6/28/2024 10:18 PM
Pyridine	ND		0.40	mg/Kg-dry	1	6/28/2024 10:18 PM
Safrole	ND		0.40	mg/Kg-dry	1	6/28/2024 10:18 PM
Surr: 2,4,6-Tribromophenol	81.7		14.2-136	%REC	1	6/28/2024 10:18 PM
Surr: 2-Fluorobiphenyl	69.0		30-116	%REC	1	6/28/2024 10:18 PM
Surr: 2-Fluorophenol	83.0		5.42-113	%REC	1	6/28/2024 10:18 PM
Surr: 4-Terphenyl-d14	82.8		27.3-138	%REC	1	6/28/2024 10:18 PM

Note:

# ALS Environmental

Date: 08-Jul-24

Client: Partners Environmental Consulting, Inc.  
 Project: Former Leake Oil; 448 E. Taggart St., East Palesti  
 Sample ID: MW-08 4-6'  
 Collection Date: 6/17/2024 03:10 PM

Work Order: 24060754  
 Lab ID: 24060754-11  
 Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Surr: Nitrobenzene-d5	92.2		23.7-109	%REC	1	6/28/2024 10:18 PM
Surr: Phenol-d6	85.5		13.8-108	%REC	1	6/28/2024 10:18 PM

## VOLATILE ORGANIC COMPOUNDS

SW8260B

Analyst: RA

1,1,1,2-Tetrachloroethane	ND		0.030	mg/Kg-dry	5	6/26/2024 03:31 PM
1,1,1-Trichloroethane	ND		0.030	mg/Kg-dry	5	6/26/2024 03:31 PM
1,1,2,2-Tetrachloroethane	ND		0.030	mg/Kg-dry	5	6/26/2024 03:31 PM
1,1,2-Trichloroethane	ND		0.030	mg/Kg-dry	5	6/26/2024 03:31 PM
1,1-Dichloroethane	ND		0.030	mg/Kg-dry	5	6/26/2024 03:31 PM
1,1-Dichloroethene	ND		0.030	mg/Kg-dry	5	6/26/2024 03:31 PM
1,1-Dichloropropene	ND		0.030	mg/Kg-dry	5	6/26/2024 03:31 PM
1,2,3-Trichlorobenzene	ND		0.030	mg/Kg-dry	5	6/26/2024 03:31 PM
1,2,3-Trichloropropane	ND		0.030	mg/Kg-dry	5	6/26/2024 03:31 PM
1,2,4-Trichlorobenzene	ND		0.030	mg/Kg-dry	5	6/26/2024 03:31 PM
<b>1,2,4-Trimethylbenzene</b>	<b>5.8</b>		<b>0.030</b>	<b>mg/Kg-dry</b>	100	6/26/2024 03:47 PM
1,2-Dibromo-3-chloropropane	ND		0.030	mg/Kg-dry	5	6/26/2024 03:31 PM
1,2-Dibromoethane	ND		0.030	mg/Kg-dry	5	6/26/2024 03:31 PM
1,2-Dichlorobenzene	ND		0.030	mg/Kg-dry	5	6/26/2024 03:31 PM
1,2-Dichloroethane	ND		0.030	mg/Kg-dry	5	6/26/2024 03:31 PM
1,2-Dichloropropane	ND		0.030	mg/Kg-dry	5	6/26/2024 03:31 PM
<b>1,3,5-Trimethylbenzene</b>	<b>1.1</b>		<b>0.030</b>	<b>mg/Kg-dry</b>	5	6/26/2024 03:31 PM
1,3-Dichlorobenzene	ND		0.030	mg/Kg-dry	5	6/26/2024 03:31 PM
1,3-Dichloropropane	ND		0.030	mg/Kg-dry	5	6/26/2024 03:31 PM
1,4-Dichlorobenzene	ND		0.030	mg/Kg-dry	5	6/26/2024 03:31 PM
2,2-Dichloropropane	ND		0.030	mg/Kg-dry	5	6/26/2024 03:31 PM
2-Butanone	ND		0.30	mg/Kg-dry	5	6/26/2024 03:31 PM
2-Chlorotoluene	ND		0.030	mg/Kg-dry	5	6/26/2024 03:31 PM
2-Hexanone	ND		0.030	mg/Kg-dry	5	6/26/2024 03:31 PM
4-Chlorotoluene	ND		0.030	mg/Kg-dry	5	6/26/2024 03:31 PM
4-Methyl-2-pentanone	ND		0.030	mg/Kg-dry	5	6/26/2024 03:31 PM
Acetone	ND		0.30	mg/Kg-dry	5	6/26/2024 03:31 PM
Benzene	ND		0.030	mg/Kg-dry	5	6/26/2024 03:31 PM
Bromobenzene	ND		0.030	mg/Kg-dry	5	6/26/2024 03:31 PM
Bromochloromethane	ND		0.030	mg/Kg-dry	5	6/26/2024 03:31 PM
Bromodichloromethane	ND		0.030	mg/Kg-dry	5	6/26/2024 03:31 PM
Bromoform	ND		0.030	mg/Kg-dry	5	6/26/2024 03:31 PM
Bromomethane	ND		0.030	mg/Kg-dry	5	6/26/2024 03:31 PM
Carbon disulfide	ND		0.030	mg/Kg-dry	5	6/26/2024 03:31 PM
Carbon tetrachloride	ND		0.030	mg/Kg-dry	5	6/26/2024 03:31 PM
Chlorobenzene	ND		0.030	mg/Kg-dry	5	6/26/2024 03:31 PM
Chloroethane	ND		0.030	mg/Kg-dry	5	6/26/2024 03:31 PM

Note:



# ALS Environmental

Date: 08-Jul-24

**Client:** Partners Environmental Consulting, Inc.  
**Project:** Former Leake Oil; 448 E. Taggart St., East Palesti  
**Sample ID:** MW-08 4-6'  
**Collection Date:** 6/17/2024 03:10 PM

**Work Order:** 24060754  
**Lab ID:** 24060754-11  
**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Chloroform	ND		0.030	mg/Kg-dry	5	6/26/2024 03:31 PM
Chloromethane	ND		0.030	mg/Kg-dry	5	6/26/2024 03:31 PM
cis-1,2-Dichloroethene	ND		0.030	mg/Kg-dry	5	6/26/2024 03:31 PM
cis-1,3-Dichloropropene	ND		0.030	mg/Kg-dry	5	6/26/2024 03:31 PM
Dibromochloromethane	ND		0.030	mg/Kg-dry	5	6/26/2024 03:31 PM
Dibromomethane	ND		0.030	mg/Kg-dry	5	6/26/2024 03:31 PM
Dichlorodifluoromethane	ND		0.030	mg/Kg-dry	5	6/26/2024 03:31 PM
<b>Ethylbenzene</b>	<b>0.86</b>		<b>0.030</b>	<b>mg/Kg-dry</b>	5	6/26/2024 03:31 PM
Hexachlorobutadiene	ND		0.030	mg/Kg-dry	5	6/26/2024 03:31 PM
<b>Isopropylbenzene</b>	<b>0.13</b>		<b>0.030</b>	<b>mg/Kg-dry</b>	5	6/26/2024 03:31 PM
<b>m,p-Xylene</b>	<b>4.6</b>		<b>1.2</b>	<b>mg/Kg-dry</b>	100	6/26/2024 03:47 PM
Methyl tert-butyl ether	ND		0.030	mg/Kg-dry	5	6/26/2024 03:31 PM
Methylene chloride	ND		0.12	mg/Kg-dry	5	6/26/2024 03:31 PM
<b>Naphthalene</b>	<b>0.91</b>		<b>0.030</b>	<b>mg/Kg-dry</b>	5	6/26/2024 03:31 PM
<b>n-Butylbenzene</b>	<b>0.16</b>		<b>0.030</b>	<b>mg/Kg-dry</b>	5	6/26/2024 03:31 PM
<b>n-Propylbenzene</b>	<b>0.36</b>		<b>0.030</b>	<b>mg/Kg-dry</b>	5	6/26/2024 03:31 PM
<b>o-Xylene</b>	<b>0.047</b>		<b>0.030</b>	<b>mg/Kg-dry</b>	5	6/26/2024 03:31 PM
<b>p-Isopropyltoluene</b>	<b>0.18</b>		<b>0.030</b>	<b>mg/Kg-dry</b>	5	6/26/2024 03:31 PM
<b>sec-Butylbenzene</b>	<b>0.064</b>		<b>0.030</b>	<b>mg/Kg-dry</b>	5	6/26/2024 03:31 PM
Styrene	ND		0.030	mg/Kg-dry	5	6/26/2024 03:31 PM
tert-Butylbenzene	ND		0.030	mg/Kg-dry	5	6/26/2024 03:31 PM
Tetrachloroethene	ND		0.030	mg/Kg-dry	5	6/26/2024 03:31 PM
Toluene	ND		0.030	mg/Kg-dry	5	6/26/2024 03:31 PM
trans-1,2-Dichloroethene	ND		0.030	mg/Kg-dry	5	6/26/2024 03:31 PM
trans-1,3-Dichloropropene	ND		0.030	mg/Kg-dry	5	6/26/2024 03:31 PM
Trichloroethene	ND		0.030	mg/Kg-dry	5	6/26/2024 03:31 PM
Trichlorofluoromethane	ND		0.030	mg/Kg-dry	5	6/26/2024 03:31 PM
Vinyl chloride	ND		0.030	mg/Kg-dry	5	6/26/2024 03:31 PM
<b>Xylenes, Total</b>	<b>3.0</b>		<b>0.090</b>	<b>mg/Kg-dry</b>	5	6/26/2024 03:31 PM
Surr: 4-Bromofluorobenzene	106		78.9-128	%REC	5	6/26/2024 03:31 PM
Surr: Dibromofluoromethane	96.9		79.1-140	%REC	5	6/26/2024 03:31 PM
Surr: Toluene-d8	97.7		84.5-124	%REC	5	6/26/2024 03:31 PM

Note:

# ALS Environmental

Date: 08-Jul-24

**Client:** Partners Environmental Consulting, Inc.  
**Project:** Former Leake Oil; 448 E. Taggart St., East Palesti  
**Sample ID:** MW-08 6-8'  
**Collection Date:** 6/17/2024 03:10 PM

**Work Order:** 24060754  
**Lab ID:** 24060754-12  
**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>DIESEL RANGE ORGANICS AND OIL RANGE ORGANICS</b>			<b>SW8015B</b>	Prep: SW3546 6/28/24 16:59		Analyst: <b>TME</b>
<b>TPH C10-C20</b>	<b>270</b>		<b>16</b>	<b>mg/Kg-dry</b>	1	7/1/2024 06:20 PM
TPH C20-C34	ND		16	mg/Kg-dry	1	7/1/2024 06:20 PM
Surr: Nonane	62.6		13.1-113	%REC	1	7/1/2024 06:20 PM
Surr: Pentacosane	56.6		28.2-111	%REC	1	7/1/2024 06:20 PM
<b>GASOLINE RANGE ORGANICS (C6-C12)</b>			<b>SW8015A</b>	Prep: SW3546 6/28/24 16:59		Analyst: <b>LAK</b>
<b>TPH C6-C12</b>	<b>98</b>		<b>2.4</b>	<b>mg/Kg-dry</b>	1	6/28/2024 12:13 AM
Surr: Cyclooctane	106		65.2-156	%REC	1	6/28/2024 12:13 AM
<b>MOISTURE</b>			<b>SM2540B</b>	Prep: SW3546 6/28/24 16:59		Analyst: <b>CS</b>
<b>Moisture</b>	<b>16</b>			<b>% of sample</b>	1	6/21/2024
<b>SEMI-VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8270C</b>	Prep: SW3546 6/28/24 09:27		Analyst: <b>DTL</b>
1,2,4,5-Tetrachlorobenzene	ND		0.39	mg/Kg-dry	1	6/28/2024 10:34 PM
1,2,4-Trichlorobenzene	ND		0.39	mg/Kg-dry	1	6/28/2024 10:34 PM
1,2-Dichlorobenzene	ND		0.39	mg/Kg-dry	1	6/28/2024 10:34 PM
1,3-Dichlorobenzene	ND		0.39	mg/Kg-dry	1	6/28/2024 10:34 PM
1,3-Dinitrobenzene	ND		0.39	mg/Kg-dry	1	6/28/2024 10:34 PM
1,4-Dichlorobenzene	ND		0.39	mg/Kg-dry	1	6/28/2024 10:34 PM
<b>1-Methylnaphthalene</b>	<b>4.8</b>		<b>2.4</b>	<b>mg/Kg-dry</b>	10	7/1/2024 03:36 PM
1-Naphthylamine	ND		0.39	mg/Kg-dry	1	6/28/2024 10:34 PM
2,3,4,6-Tetrachlorophenol	ND		0.39	mg/Kg-dry	1	6/28/2024 10:34 PM
2,4,5-Trichlorophenol	ND		0.39	mg/Kg-dry	1	6/28/2024 10:34 PM
2,4,6-Trichlorophenol	ND		0.39	mg/Kg-dry	1	6/28/2024 10:34 PM
2,4-Dichlorophenol	ND		0.39	mg/Kg-dry	1	6/28/2024 10:34 PM
2,4-Dimethylphenol	ND		0.39	mg/Kg-dry	1	6/28/2024 10:34 PM
2,4-Dinitrophenol	ND		2.0	mg/Kg-dry	1	6/28/2024 10:34 PM
2,4-Dinitrotoluene	ND		0.39	mg/Kg-dry	1	6/28/2024 10:34 PM
2,6-Dichlorophenol	ND		0.39	mg/Kg-dry	1	6/28/2024 10:34 PM
2,6-Dinitrotoluene	ND		0.39	mg/Kg-dry	1	6/28/2024 10:34 PM
2-Acetylaminofluorene	ND		0.39	mg/Kg-dry	1	6/28/2024 10:34 PM
2-Chloronaphthalene	ND		0.39	mg/Kg-dry	1	6/28/2024 10:34 PM
2-Chlorophenol	ND		0.39	mg/Kg-dry	1	6/28/2024 10:34 PM
<b>2-Methylnaphthalene</b>	<b>7.3</b>		<b>2.4</b>	<b>mg/Kg-dry</b>	10	7/1/2024 03:36 PM
2-Methylphenol	ND		0.39	mg/Kg-dry	1	6/28/2024 10:34 PM
2-Naphthylamine	ND		0.39	mg/Kg-dry	1	6/28/2024 10:34 PM
2-Nitroaniline	ND		2.0	mg/Kg-dry	1	6/28/2024 10:34 PM
2-Nitrophenol	ND		0.39	mg/Kg-dry	1	6/28/2024 10:34 PM
2-Picoline	ND		0.39	mg/Kg-dry	1	6/28/2024 10:34 PM
3&4-Methylphenol	ND		0.39	mg/Kg-dry	1	6/28/2024 10:34 PM

Note:

# ALS Environmental

Date: 08-Jul-24

Client: Partners Environmental Consulting, Inc.  
 Project: Former Leake Oil; 448 E. Taggart St., East Palesti  
 Sample ID: MW-08 6-8'  
 Collection Date: 6/17/2024 03:10 PM

Work Order: 24060754  
 Lab ID: 24060754-12  
 Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
3,3'-Dichlorobenzidine	ND		0.78	mg/Kg-dry	1	6/28/2024 10:34 PM
3-Methylcholanthrene	ND		0.39	mg/Kg-dry	1	6/28/2024 10:34 PM
3-Nitroaniline	ND		2.0	mg/Kg-dry	1	6/28/2024 10:34 PM
4,6-Dinitro-2-methylphenol	ND		2.0	mg/Kg-dry	1	6/28/2024 10:34 PM
4-Aminobiphenyl	ND		0.78	mg/Kg-dry	1	6/28/2024 10:34 PM
4-Bromophenyl phenyl ether	ND		0.39	mg/Kg-dry	1	6/28/2024 10:34 PM
4-Chloro-3-methylphenol	ND		0.78	mg/Kg-dry	1	6/28/2024 10:34 PM
4-Chloroaniline	ND		0.78	mg/Kg-dry	1	6/28/2024 10:34 PM
4-Chlorophenyl phenyl ether	ND		0.39	mg/Kg-dry	1	6/28/2024 10:34 PM
4-Nitroaniline	ND		0.78	mg/Kg-dry	1	6/28/2024 10:34 PM
4-Nitrophenol	ND		2.0	mg/Kg-dry	1	6/28/2024 10:34 PM
4-Nitroquinoline 1-oxide	ND		2.0	mg/Kg-dry	1	6/28/2024 10:34 PM
5-Nitro-o-toluidine	ND		0.39	mg/Kg-dry	1	6/28/2024 10:34 PM
7,12-Dimethylbenz(a)anthracene	ND		0.39	mg/Kg-dry	1	6/28/2024 10:34 PM
<b>Acenaphthene</b>	<b>0.52</b>		<b>0.24</b>	<b>mg/Kg-dry</b>	1	6/28/2024 10:34 PM
Acenaphthylene	ND		0.24	mg/Kg-dry	1	6/28/2024 10:34 PM
Acetophenone	ND		0.39	mg/Kg-dry	1	6/28/2024 10:34 PM
Aniline	ND		0.39	mg/Kg-dry	1	6/28/2024 10:34 PM
Anthracene	ND		0.24	mg/Kg-dry	1	6/28/2024 10:34 PM
Azobenzene	ND		0.39	mg/Kg-dry	1	6/28/2024 10:34 PM
Benzidine	ND		0.39	mg/Kg-dry	1	6/28/2024 10:34 PM
Benzo(a)anthracene	ND		0.12	mg/Kg-dry	1	6/28/2024 10:34 PM
Benzo(a)pyrene	ND		0.12	mg/Kg-dry	1	6/28/2024 10:34 PM
Benzo(b)fluoranthene	ND		0.24	mg/Kg-dry	1	6/28/2024 10:34 PM
Benzo(g,h,i)perylene	ND		0.24	mg/Kg-dry	1	6/28/2024 10:34 PM
Benzo(k)fluoranthene	ND		0.24	mg/Kg-dry	1	6/28/2024 10:34 PM
Benzyl alcohol	ND		0.78	mg/Kg-dry	1	6/28/2024 10:34 PM
Bis(2-chloroethoxy)methane	ND		0.39	mg/Kg-dry	1	6/28/2024 10:34 PM
Bis(2-chloroethyl)ether	ND		0.39	mg/Kg-dry	1	6/28/2024 10:34 PM
Bis(2-chloroisopropyl)ether	ND		0.39	mg/Kg-dry	1	6/28/2024 10:34 PM
Bis(2-ethylhexyl)phthalate	ND		0.39	mg/Kg-dry	1	6/28/2024 10:34 PM
Butyl benzyl phthalate	ND		0.39	mg/Kg-dry	1	6/28/2024 10:34 PM
Carbazole	ND		0.24	mg/Kg-dry	1	6/28/2024 10:34 PM
Chrysene	ND		0.24	mg/Kg-dry	1	6/28/2024 10:34 PM
Dibenzo(a,h)anthracene	ND		0.12	mg/Kg-dry	1	6/28/2024 10:34 PM
<b>Dibenzofuran</b>	<b>0.32</b>		<b>0.24</b>	<b>mg/Kg-dry</b>	1	6/28/2024 10:34 PM
Diethyl phthalate	ND		0.39	mg/Kg-dry	1	6/28/2024 10:34 PM
Dimethyl phthalate	ND		0.39	mg/Kg-dry	1	6/28/2024 10:34 PM
Di-n-butyl phthalate	ND		0.39	mg/Kg-dry	1	6/28/2024 10:34 PM
Di-n-octyl phthalate	ND		0.39	mg/Kg-dry	1	6/28/2024 10:34 PM

Note:

# ALS Environmental

Date: 08-Jul-24

**Client:** Partners Environmental Consulting, Inc.  
**Project:** Former Leake Oil; 448 E. Taggart St., East Palesti  
**Sample ID:** MW-08 6-8'  
**Collection Date:** 6/17/2024 03:10 PM

**Work Order:** 24060754  
**Lab ID:** 24060754-12  
**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Dinoseb	ND		0.39	mg/Kg-dry	1	6/28/2024 10:34 PM
Diphenylamine	ND		0.39	mg/Kg-dry	1	6/28/2024 10:34 PM
Ethyl methanesulfonate	ND		0.39	mg/Kg-dry	1	6/28/2024 10:34 PM
Fluoranthene	ND		0.24	mg/Kg-dry	1	6/28/2024 10:34 PM
<b>Fluorene</b>	<b>0.63</b>		<b>0.24</b>	<b>mg/Kg-dry</b>	1	6/28/2024 10:34 PM
Hexachlorobenzene	ND		0.39	mg/Kg-dry	1	6/28/2024 10:34 PM
Hexachlorobutadiene	ND		0.39	mg/Kg-dry	1	6/28/2024 10:34 PM
Hexachlorocyclopentadiene	ND		0.39	mg/Kg-dry	1	6/28/2024 10:34 PM
Hexachloroethane	ND		0.39	mg/Kg-dry	1	6/28/2024 10:34 PM
Indeno(1,2,3-cd)pyrene	ND		0.12	mg/Kg-dry	1	6/28/2024 10:34 PM
Isophorone	ND		0.39	mg/Kg-dry	1	6/28/2024 10:34 PM
Isosafrole	ND		0.39	mg/Kg-dry	1	6/28/2024 10:34 PM
Methapyrilene	ND		2.0	mg/Kg-dry	1	6/28/2024 10:34 PM
Methyl methanesulfonate	ND		0.39	mg/Kg-dry	1	6/28/2024 10:34 PM
<b>Naphthalene</b>	<b>1.8</b>		<b>0.24</b>	<b>mg/Kg-dry</b>	1	6/28/2024 10:34 PM
Nitrobenzene	ND		0.39	mg/Kg-dry	1	6/28/2024 10:34 PM
N-Nitrosodiethylamine	ND		0.39	mg/Kg-dry	1	6/28/2024 10:34 PM
N-Nitrosodimethylamine	ND		0.39	mg/Kg-dry	1	6/28/2024 10:34 PM
N-Nitroso-di-n-butylamine	ND		0.39	mg/Kg-dry	1	6/28/2024 10:34 PM
N-Nitrosodi-n-propylamine	ND		0.39	mg/Kg-dry	1	6/28/2024 10:34 PM
N-Nitrosomethylethylamine	ND		0.39	mg/Kg-dry	1	6/28/2024 10:34 PM
N-Nitrosomorpholine	ND		0.39	mg/Kg-dry	1	6/28/2024 10:34 PM
N-Nitrosopiperidine	ND		0.39	mg/Kg-dry	1	6/28/2024 10:34 PM
N-Nitrosopyrrolidine	ND		0.39	mg/Kg-dry	1	6/28/2024 10:34 PM
o-Toluidine	ND		2.0	mg/Kg-dry	1	6/28/2024 10:34 PM
p-Dimethylaminoazobenzene	ND		0.39	mg/Kg-dry	1	6/28/2024 10:34 PM
Pentachlorobenzene	ND		0.39	mg/Kg-dry	1	6/28/2024 10:34 PM
Pentachloroethane	ND		0.39	mg/Kg-dry	1	6/28/2024 10:34 PM
Pentachloronitrobenzene	ND		0.78	mg/Kg-dry	1	6/28/2024 10:34 PM
Pentachlorophenol	ND		2.0	mg/Kg-dry	1	6/28/2024 10:34 PM
Phenacetin	ND		0.78	mg/Kg-dry	1	6/28/2024 10:34 PM
<b>Phenanthrene</b>	<b>2.0</b>		<b>0.24</b>	<b>mg/Kg-dry</b>	1	6/28/2024 10:34 PM
Phenol	ND		0.39	mg/Kg-dry	1	6/28/2024 10:34 PM
Pyrene	ND		0.24	mg/Kg-dry	1	6/28/2024 10:34 PM
Pyridine	ND		0.39	mg/Kg-dry	1	6/28/2024 10:34 PM
Safrole	ND		0.39	mg/Kg-dry	1	6/28/2024 10:34 PM
Surr: 2,4,6-Tribromophenol	76.5		14.2-136	%REC	1	6/28/2024 10:34 PM
Surr: 2-Fluorobiphenyl	66.8		30-116	%REC	1	6/28/2024 10:34 PM
Surr: 2-Fluorophenol	78.3		5.42-113	%REC	1	6/28/2024 10:34 PM
Surr: 4-Terphenyl-d14	78.9		27.3-138	%REC	1	6/28/2024 10:34 PM

Note:

# ALS Environmental

Date: 08-Jul-24

**Client:** Partners Environmental Consulting, Inc.  
**Project:** Former Leake Oil; 448 E. Taggart St., East Palesti  
**Sample ID:** MW-08 6-8'  
**Collection Date:** 6/17/2024 03:10 PM

**Work Order:** 24060754  
**Lab ID:** 24060754-12  
**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Surr: Nitrobenzene-d5	81.9		23.7-109	%REC	1	6/28/2024 10:34 PM
Surr: Phenol-d6	79.9		13.8-108	%REC	1	6/28/2024 10:34 PM
<b>VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8260B</b>			<b>Analyst: RA</b>
1,1,1,2-Tetrachloroethane	ND		0.030	mg/Kg-dry	5	6/25/2024 04:40 PM
1,1,1-Trichloroethane	ND		0.030	mg/Kg-dry	5	6/25/2024 04:40 PM
1,1,2,2-Tetrachloroethane	ND		0.030	mg/Kg-dry	5	6/25/2024 04:40 PM
1,1,2-Trichloroethane	ND		0.030	mg/Kg-dry	5	6/25/2024 04:40 PM
1,1-Dichloroethane	ND		0.030	mg/Kg-dry	5	6/25/2024 04:40 PM
1,1-Dichloroethene	ND		0.030	mg/Kg-dry	5	6/25/2024 04:40 PM
1,1-Dichloropropene	ND		0.030	mg/Kg-dry	5	6/25/2024 04:40 PM
1,2,3-Trichlorobenzene	ND		0.030	mg/Kg-dry	5	6/25/2024 04:40 PM
1,2,3-Trichloropropane	ND		0.030	mg/Kg-dry	5	6/25/2024 04:40 PM
1,2,4-Trichlorobenzene	ND		0.030	mg/Kg-dry	5	6/25/2024 04:40 PM
<b>1,2,4-Trimethylbenzene</b>	<b>5.8</b>		<b>0.59</b>	<b>mg/Kg-dry</b>	100	6/26/2024 04:04 PM
1,2-Dibromo-3-chloropropane	ND		0.030	mg/Kg-dry	5	6/25/2024 04:40 PM
1,2-Dibromoethane	ND		0.030	mg/Kg-dry	5	6/25/2024 04:40 PM
1,2-Dichlorobenzene	ND		0.030	mg/Kg-dry	5	6/25/2024 04:40 PM
1,2-Dichloroethane	ND		0.030	mg/Kg-dry	5	6/25/2024 04:40 PM
1,2-Dichloropropane	ND		0.030	mg/Kg-dry	5	6/25/2024 04:40 PM
<b>1,3,5-Trimethylbenzene</b>	<b>0.93</b>		<b>0.030</b>	<b>mg/Kg-dry</b>	5	6/25/2024 04:40 PM
1,3-Dichlorobenzene	ND		0.030	mg/Kg-dry	5	6/25/2024 04:40 PM
1,3-Dichloropropane	ND		0.030	mg/Kg-dry	5	6/25/2024 04:40 PM
1,4-Dichlorobenzene	ND		0.030	mg/Kg-dry	5	6/25/2024 04:40 PM
2,2-Dichloropropane	ND		0.030	mg/Kg-dry	5	6/25/2024 04:40 PM
2-Butanone	ND		0.30	mg/Kg-dry	5	6/25/2024 04:40 PM
2-Chlorotoluene	ND		0.030	mg/Kg-dry	5	6/25/2024 04:40 PM
2-Hexanone	ND		0.030	mg/Kg-dry	5	6/25/2024 04:40 PM
4-Chlorotoluene	ND		0.030	mg/Kg-dry	5	6/25/2024 04:40 PM
4-Methyl-2-pentanone	ND		0.030	mg/Kg-dry	5	6/25/2024 04:40 PM
Acetone	ND		0.30	mg/Kg-dry	5	6/25/2024 04:40 PM
Benzene	ND		0.030	mg/Kg-dry	5	6/25/2024 04:40 PM
Bromobenzene	ND		0.030	mg/Kg-dry	5	6/25/2024 04:40 PM
Bromochloromethane	ND		0.030	mg/Kg-dry	5	6/25/2024 04:40 PM
Bromodichloromethane	ND		0.030	mg/Kg-dry	5	6/25/2024 04:40 PM
Bromoform	ND		0.030	mg/Kg-dry	5	6/25/2024 04:40 PM
Bromomethane	ND		0.030	mg/Kg-dry	5	6/25/2024 04:40 PM
Carbon disulfide	ND		0.030	mg/Kg-dry	5	6/25/2024 04:40 PM
Carbon tetrachloride	ND		0.030	mg/Kg-dry	5	6/25/2024 04:40 PM
Chlorobenzene	ND		0.030	mg/Kg-dry	5	6/25/2024 04:40 PM
Chloroethane	ND		0.030	mg/Kg-dry	5	6/25/2024 04:40 PM

Note:

# ALS Environmental

Date: 08-Jul-24

**Client:** Partners Environmental Consulting, Inc.  
**Project:** Former Leake Oil; 448 E. Taggart St., East Palesti  
**Sample ID:** MW-08 6-8'  
**Collection Date:** 6/17/2024 03:10 PM

**Work Order:** 24060754  
**Lab ID:** 24060754-12  
**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Chloroform	ND		0.030	mg/Kg-dry	5	6/25/2024 04:40 PM
Chloromethane	ND		0.030	mg/Kg-dry	5	6/25/2024 04:40 PM
cis-1,2-Dichloroethene	ND		0.030	mg/Kg-dry	5	6/25/2024 04:40 PM
cis-1,3-Dichloropropene	ND		0.030	mg/Kg-dry	5	6/25/2024 04:40 PM
Dibromochloromethane	ND		0.030	mg/Kg-dry	5	6/25/2024 04:40 PM
Dibromomethane	ND		0.030	mg/Kg-dry	5	6/25/2024 04:40 PM
Dichlorodifluoromethane	ND		0.030	mg/Kg-dry	5	6/25/2024 04:40 PM
<b>Ethylbenzene</b>	<b>1.6</b>		<b>0.59</b>	<b>mg/Kg-dry</b>	100	6/26/2024 04:04 PM
Hexachlorobutadiene	ND		0.030	mg/Kg-dry	5	6/25/2024 04:40 PM
<b>Isopropylbenzene</b>	<b>0.12</b>		<b>0.030</b>	<b>mg/Kg-dry</b>	5	6/25/2024 04:40 PM
<b>m,p-Xylene</b>	<b>6.2</b>		<b>1.2</b>	<b>mg/Kg-dry</b>	100	6/26/2024 04:04 PM
Methyl tert-butyl ether	ND		0.030	mg/Kg-dry	5	6/25/2024 04:40 PM
Methylene chloride	ND		0.12	mg/Kg-dry	5	6/25/2024 04:40 PM
<b>Naphthalene</b>	<b>1.5</b>		<b>0.59</b>	<b>mg/Kg-dry</b>	100	6/26/2024 04:04 PM
<b>n-Butylbenzene</b>	<b>0.14</b>		<b>0.030</b>	<b>mg/Kg-dry</b>	5	6/25/2024 04:40 PM
<b>n-Propylbenzene</b>	<b>0.32</b>		<b>0.030</b>	<b>mg/Kg-dry</b>	5	6/25/2024 04:40 PM
o-Xylene	ND		0.59	mg/Kg-dry	100	6/26/2024 04:04 PM
p-Isopropyltoluene	ND		0.030	mg/Kg-dry	5	6/25/2024 04:40 PM
sec-Butylbenzene	ND		0.030	mg/Kg-dry	5	6/25/2024 04:40 PM
Styrene	ND		0.030	mg/Kg-dry	5	6/25/2024 04:40 PM
tert-Butylbenzene	ND		0.030	mg/Kg-dry	5	6/25/2024 04:40 PM
Tetrachloroethene	ND		0.030	mg/Kg-dry	5	6/25/2024 04:40 PM
<b>Toluene</b>	<b>0.074</b>		<b>0.030</b>	<b>mg/Kg-dry</b>	5	6/25/2024 04:40 PM
trans-1,2-Dichloroethene	ND		0.030	mg/Kg-dry	5	6/25/2024 04:40 PM
trans-1,3-Dichloropropene	ND		0.030	mg/Kg-dry	5	6/25/2024 04:40 PM
Trichloroethene	ND		0.030	mg/Kg-dry	5	6/25/2024 04:40 PM
Trichlorofluoromethane	ND		0.030	mg/Kg-dry	5	6/25/2024 04:40 PM
Vinyl chloride	ND		0.030	mg/Kg-dry	5	6/25/2024 04:40 PM
<b>Xylenes, Total</b>	<b>6.2</b>		<b>1.8</b>	<b>mg/Kg-dry</b>	100	6/26/2024 04:04 PM
Surr: 4-Bromofluorobenzene	87.9		78.9-128	%REC	5	6/25/2024 04:40 PM
Surr: Dibromofluoromethane	96.3		79.1-140	%REC	5	6/25/2024 04:40 PM
Surr: Toluene-d8	104		84.5-124	%REC	5	6/25/2024 04:40 PM

Note:

# ALS Environmental

Date: 08-Jul-24

**Client:** Partners Environmental Consulting, Inc.  
**Project:** Former Leake Oil; 448 E. Taggart St., East Palesti  
**Sample ID:** MW-09 4-6'  
**Collection Date:** 6/17/2024 04:07 PM

**Work Order:** 24060754  
**Lab ID:** 24060754-13  
**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>DIESEL RANGE ORGANICS AND OIL RANGE ORGANICS</b>			<b>SW8015B</b>	Prep: SW3546 6/28/24 16:59		Analyst: <b>TME</b>
TPH C10-C20	ND		21	mg/Kg-dry	1	7/1/2024 06:39 PM
TPH C20-C34	ND		21	mg/Kg-dry	1	7/1/2024 06:39 PM
Surr: Nonane	56.3		13.1-113	%REC	1	7/1/2024 06:39 PM
Surr: Pentacosane	56.3		28.2-111	%REC	1	7/1/2024 06:39 PM
<b>GASOLINE RANGE ORGANICS (C6-C12)</b>			<b>SW8015A</b>			Analyst: <b>LAK</b>
TPH C6-C12	3.3		3.1	mg/Kg-dry	1	6/28/2024 12:38 AM
Surr: Cyclooctane	85.6		65.2-156	%REC	1	6/28/2024 12:38 AM
<b>MOISTURE</b>			<b>SM2540B</b>			Analyst: <b>CS</b>
Moisture	35			% of sample	1	6/21/2024
<b>SEMI-VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8270C</b>	Prep: SW3546 6/28/24 09:27		Analyst: <b>DTL</b>
1,2,4,5-Tetrachlorobenzene	ND		0.51	mg/Kg-dry	1	6/28/2024 10:49 PM
1,2,4-Trichlorobenzene	ND		0.51	mg/Kg-dry	1	6/28/2024 10:49 PM
1,2-Dichlorobenzene	ND		0.51	mg/Kg-dry	1	6/28/2024 10:49 PM
1,3-Dichlorobenzene	ND		0.51	mg/Kg-dry	1	6/28/2024 10:49 PM
1,3-Dinitrobenzene	ND		0.51	mg/Kg-dry	1	6/28/2024 10:49 PM
1,4-Dichlorobenzene	ND		0.51	mg/Kg-dry	1	6/28/2024 10:49 PM
1-Methylnaphthalene	ND		0.31	mg/Kg-dry	1	6/28/2024 10:49 PM
1-Naphthylamine	ND		0.51	mg/Kg-dry	1	6/28/2024 10:49 PM
2,3,4,6-Tetrachlorophenol	ND		0.51	mg/Kg-dry	1	6/28/2024 10:49 PM
2,4,5-Trichlorophenol	ND		0.51	mg/Kg-dry	1	6/28/2024 10:49 PM
2,4,6-Trichlorophenol	ND		0.51	mg/Kg-dry	1	6/28/2024 10:49 PM
2,4-Dichlorophenol	ND		0.51	mg/Kg-dry	1	6/28/2024 10:49 PM
2,4-Dimethylphenol	ND		0.51	mg/Kg-dry	1	6/28/2024 10:49 PM
2,4-Dinitrophenol	ND		2.6	mg/Kg-dry	1	6/28/2024 10:49 PM
2,4-Dinitrotoluene	ND		0.51	mg/Kg-dry	1	6/28/2024 10:49 PM
2,6-Dichlorophenol	ND		0.51	mg/Kg-dry	1	6/28/2024 10:49 PM
2,6-Dinitrotoluene	ND		0.51	mg/Kg-dry	1	6/28/2024 10:49 PM
2-Acetylaminofluorene	ND		0.51	mg/Kg-dry	1	6/28/2024 10:49 PM
2-Chloronaphthalene	ND		0.51	mg/Kg-dry	1	6/28/2024 10:49 PM
2-Chlorophenol	ND		0.51	mg/Kg-dry	1	6/28/2024 10:49 PM
2-Methylnaphthalene	ND		0.31	mg/Kg-dry	1	6/28/2024 10:49 PM
2-Methylphenol	ND		0.51	mg/Kg-dry	1	6/28/2024 10:49 PM
2-Naphthylamine	ND		0.51	mg/Kg-dry	1	6/28/2024 10:49 PM
2-Nitroaniline	ND		2.6	mg/Kg-dry	1	6/28/2024 10:49 PM
2-Nitrophenol	ND		0.51	mg/Kg-dry	1	6/28/2024 10:49 PM
2-Picoline	ND		0.51	mg/Kg-dry	1	6/28/2024 10:49 PM
3&4-Methylphenol	ND		0.51	mg/Kg-dry	1	6/28/2024 10:49 PM

Note:



# ALS Environmental

Date: 08-Jul-24

**Client:** Partners Environmental Consulting, Inc.  
**Project:** Former Leake Oil; 448 E. Taggart St., East Palesti  
**Sample ID:** MW-09 4-6'  
**Collection Date:** 6/17/2024 04:07 PM

**Work Order:** 24060754  
**Lab ID:** 24060754-13  
**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
3,3'-Dichlorobenzidine	ND		1.0	mg/Kg-dry	1	6/28/2024 10:49 PM
3-Methylcholanthrene	ND		0.51	mg/Kg-dry	1	6/28/2024 10:49 PM
3-Nitroaniline	ND		2.6	mg/Kg-dry	1	6/28/2024 10:49 PM
4,6-Dinitro-2-methylphenol	ND		2.6	mg/Kg-dry	1	6/28/2024 10:49 PM
4-Aminobiphenyl	ND		1.0	mg/Kg-dry	1	6/28/2024 10:49 PM
4-Bromophenyl phenyl ether	ND		0.51	mg/Kg-dry	1	6/28/2024 10:49 PM
4-Chloro-3-methylphenol	ND		1.0	mg/Kg-dry	1	6/28/2024 10:49 PM
4-Chloroaniline	ND		1.0	mg/Kg-dry	1	6/28/2024 10:49 PM
4-Chlorophenyl phenyl ether	ND		0.51	mg/Kg-dry	1	6/28/2024 10:49 PM
4-Nitroaniline	ND		1.0	mg/Kg-dry	1	6/28/2024 10:49 PM
4-Nitrophenol	ND		2.6	mg/Kg-dry	1	6/28/2024 10:49 PM
4-Nitroquinoline 1-oxide	ND		2.6	mg/Kg-dry	1	6/28/2024 10:49 PM
5-Nitro-o-toluidine	ND		0.51	mg/Kg-dry	1	6/28/2024 10:49 PM
7,12-Dimethylbenz(a)anthracene	ND		0.51	mg/Kg-dry	1	6/28/2024 10:49 PM
Acenaphthene	ND		0.31	mg/Kg-dry	1	6/28/2024 10:49 PM
Acenaphthylene	ND		0.31	mg/Kg-dry	1	6/28/2024 10:49 PM
Acetophenone	ND		0.51	mg/Kg-dry	1	6/28/2024 10:49 PM
Aniline	ND		0.51	mg/Kg-dry	1	6/28/2024 10:49 PM
Anthracene	ND		0.31	mg/Kg-dry	1	6/28/2024 10:49 PM
Azobenzene	ND		0.51	mg/Kg-dry	1	6/28/2024 10:49 PM
Benzidine	ND		0.51	mg/Kg-dry	1	6/28/2024 10:49 PM
Benzo(a)anthracene	ND		0.15	mg/Kg-dry	1	6/28/2024 10:49 PM
Benzo(a)pyrene	ND		0.15	mg/Kg-dry	1	6/28/2024 10:49 PM
Benzo(b)fluoranthene	ND		0.31	mg/Kg-dry	1	6/28/2024 10:49 PM
Benzo(g,h,i)perylene	ND		0.31	mg/Kg-dry	1	6/28/2024 10:49 PM
Benzo(k)fluoranthene	ND		0.31	mg/Kg-dry	1	6/28/2024 10:49 PM
Benzyl alcohol	ND		1.0	mg/Kg-dry	1	6/28/2024 10:49 PM
Bis(2-chloroethoxy)methane	ND		0.51	mg/Kg-dry	1	6/28/2024 10:49 PM
Bis(2-chloroethyl)ether	ND		0.51	mg/Kg-dry	1	6/28/2024 10:49 PM
Bis(2-chloroisopropyl)ether	ND		0.51	mg/Kg-dry	1	6/28/2024 10:49 PM
Bis(2-ethylhexyl)phthalate	ND		0.51	mg/Kg-dry	1	6/28/2024 10:49 PM
Butyl benzyl phthalate	ND		0.51	mg/Kg-dry	1	6/28/2024 10:49 PM
Carbazole	ND		0.31	mg/Kg-dry	1	6/28/2024 10:49 PM
Chrysene	ND		0.31	mg/Kg-dry	1	6/28/2024 10:49 PM
Dibenzo(a,h)anthracene	ND		0.15	mg/Kg-dry	1	6/28/2024 10:49 PM
Dibenzofuran	ND		0.31	mg/Kg-dry	1	6/28/2024 10:49 PM
Diethyl phthalate	ND		0.51	mg/Kg-dry	1	6/28/2024 10:49 PM
Dimethyl phthalate	ND		0.51	mg/Kg-dry	1	6/28/2024 10:49 PM
Di-n-butyl phthalate	ND		0.51	mg/Kg-dry	1	6/28/2024 10:49 PM
Di-n-octyl phthalate	ND		0.51	mg/Kg-dry	1	6/28/2024 10:49 PM

Note:

# ALS Environmental

Date: 08-Jul-24

**Client:** Partners Environmental Consulting, Inc.  
**Project:** Former Leake Oil; 448 E. Taggart St., East Palesti  
**Sample ID:** MW-09 4-6'  
**Collection Date:** 6/17/2024 04:07 PM

**Work Order:** 24060754  
**Lab ID:** 24060754-13  
**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Dinoseb	ND		0.51	mg/Kg-dry	1	6/28/2024 10:49 PM
Diphenylamine	ND		0.51	mg/Kg-dry	1	6/28/2024 10:49 PM
Ethyl methanesulfonate	ND		0.51	mg/Kg-dry	1	6/28/2024 10:49 PM
Fluoranthene	ND		0.31	mg/Kg-dry	1	6/28/2024 10:49 PM
Fluorene	ND		0.31	mg/Kg-dry	1	6/28/2024 10:49 PM
Hexachlorobenzene	ND		0.51	mg/Kg-dry	1	6/28/2024 10:49 PM
Hexachlorobutadiene	ND		0.51	mg/Kg-dry	1	6/28/2024 10:49 PM
Hexachlorocyclopentadiene	ND		0.51	mg/Kg-dry	1	6/28/2024 10:49 PM
Hexachloroethane	ND		0.51	mg/Kg-dry	1	6/28/2024 10:49 PM
Indeno(1,2,3-cd)pyrene	ND		0.15	mg/Kg-dry	1	6/28/2024 10:49 PM
Isophorone	ND		0.51	mg/Kg-dry	1	6/28/2024 10:49 PM
Isosafrole	ND		0.51	mg/Kg-dry	1	6/28/2024 10:49 PM
Methapyrilene	ND		2.6	mg/Kg-dry	1	6/28/2024 10:49 PM
Methyl methanesulfonate	ND		0.51	mg/Kg-dry	1	6/28/2024 10:49 PM
Naphthalene	ND		0.51	mg/Kg-dry	1	6/28/2024 10:49 PM
Nitrobenzene	ND		0.51	mg/Kg-dry	1	6/28/2024 10:49 PM
N-Nitrosodiethylamine	ND		0.51	mg/Kg-dry	1	6/28/2024 10:49 PM
N-Nitrosodimethylamine	ND		0.51	mg/Kg-dry	1	6/28/2024 10:49 PM
N-Nitroso-di-n-butylamine	ND		0.51	mg/Kg-dry	1	6/28/2024 10:49 PM
N-Nitrosodi-n-propylamine	ND		0.51	mg/Kg-dry	1	6/28/2024 10:49 PM
N-Nitrosomethylethylamine	ND		0.51	mg/Kg-dry	1	6/28/2024 10:49 PM
N-Nitrosomorpholine	ND		0.51	mg/Kg-dry	1	6/28/2024 10:49 PM
N-Nitrosopiperidine	ND		0.51	mg/Kg-dry	1	6/28/2024 10:49 PM
N-Nitrosopyrrolidine	ND		0.51	mg/Kg-dry	1	6/28/2024 10:49 PM
o-Toluidine	ND		2.6	mg/Kg-dry	1	6/28/2024 10:49 PM
p-Dimethylaminoazobenzene	ND		0.51	mg/Kg-dry	1	6/28/2024 10:49 PM
Pentachlorobenzene	ND		0.51	mg/Kg-dry	1	6/28/2024 10:49 PM
Pentachloroethane	ND		0.51	mg/Kg-dry	1	6/28/2024 10:49 PM
Pentachloronitrobenzene	ND		1.0	mg/Kg-dry	1	6/28/2024 10:49 PM
Pentachlorophenol	ND		2.6	mg/Kg-dry	1	6/28/2024 10:49 PM
Phenacetin	ND		1.0	mg/Kg-dry	1	6/28/2024 10:49 PM
Phenanthrene	ND		0.31	mg/Kg-dry	1	6/28/2024 10:49 PM
Phenol	ND		0.51	mg/Kg-dry	1	6/28/2024 10:49 PM
Pyrene	ND		0.31	mg/Kg-dry	1	6/28/2024 10:49 PM
Pyridine	ND		0.51	mg/Kg-dry	1	6/28/2024 10:49 PM
Safrole	ND		0.51	mg/Kg-dry	1	6/28/2024 10:49 PM
Surr: 2,4,6-Tribromophenol	75.6		14.2-136	%REC	1	6/28/2024 10:49 PM
Surr: 2-Fluorobiphenyl	66.2		30-116	%REC	1	6/28/2024 10:49 PM
Surr: 2-Fluorophenol	71.0		5.42-113	%REC	1	6/28/2024 10:49 PM
Surr: 4-Terphenyl-d14	78.6		27.3-138	%REC	1	6/28/2024 10:49 PM

Note:

# ALS Environmental

Date: 08-Jul-24

**Client:** Partners Environmental Consulting, Inc.  
**Project:** Former Leake Oil; 448 E. Taggart St., East Palesti  
**Sample ID:** MW-09 4-6'  
**Collection Date:** 6/17/2024 04:07 PM

**Work Order:** 24060754  
**Lab ID:** 24060754-13  
**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Surr: Nitrobenzene-d5	74.5		23.7-109	%REC	1	6/28/2024 10:49 PM
Surr: Phenol-d6	72.1		13.8-108	%REC	1	6/28/2024 10:49 PM

## VOLATILE ORGANIC COMPOUNDS

SW8260B

Analyst: RA

1,1,1,2-Tetrachloroethane	ND		0.0077	mg/Kg-dry	1	6/25/2024 04:56 PM
1,1,1-Trichloroethane	ND		0.0077	mg/Kg-dry	1	6/25/2024 04:56 PM
1,1,2,2-Tetrachloroethane	ND		0.0077	mg/Kg-dry	1	6/25/2024 04:56 PM
1,1,2-Trichloroethane	ND		0.0077	mg/Kg-dry	1	6/25/2024 04:56 PM
1,1-Dichloroethane	ND		0.0077	mg/Kg-dry	1	6/25/2024 04:56 PM
1,1-Dichloroethene	ND		0.0077	mg/Kg-dry	1	6/25/2024 04:56 PM
1,1-Dichloropropene	ND		0.0077	mg/Kg-dry	1	6/25/2024 04:56 PM
1,2,3-Trichlorobenzene	ND		0.0077	mg/Kg-dry	1	6/25/2024 04:56 PM
1,2,3-Trichloropropane	ND		0.0077	mg/Kg-dry	1	6/25/2024 04:56 PM
1,2,4-Trichlorobenzene	ND		0.0077	mg/Kg-dry	1	6/25/2024 04:56 PM
1,2,4-Trimethylbenzene	ND		0.0077	mg/Kg-dry	1	6/25/2024 04:56 PM
1,2-Dibromo-3-chloropropane	ND		0.0077	mg/Kg-dry	1	6/25/2024 04:56 PM
1,2-Dibromoethane	ND		0.0077	mg/Kg-dry	1	6/25/2024 04:56 PM
1,2-Dichlorobenzene	ND		0.0077	mg/Kg-dry	1	6/25/2024 04:56 PM
1,2-Dichloroethane	ND		0.0077	mg/Kg-dry	1	6/25/2024 04:56 PM
1,2-Dichloropropane	ND		0.0077	mg/Kg-dry	1	6/25/2024 04:56 PM
1,3,5-Trimethylbenzene	ND		0.0077	mg/Kg-dry	1	6/25/2024 04:56 PM
1,3-Dichlorobenzene	ND		0.0077	mg/Kg-dry	1	6/25/2024 04:56 PM
1,3-Dichloropropane	ND		0.0077	mg/Kg-dry	1	6/25/2024 04:56 PM
1,4-Dichlorobenzene	ND		0.0077	mg/Kg-dry	1	6/25/2024 04:56 PM
2,2-Dichloropropane	ND		0.0077	mg/Kg-dry	1	6/25/2024 04:56 PM
2-Butanone	ND		0.077	mg/Kg-dry	1	6/25/2024 04:56 PM
2-Chlorotoluene	ND		0.0077	mg/Kg-dry	1	6/25/2024 04:56 PM
2-Hexanone	ND		0.0077	mg/Kg-dry	1	6/25/2024 04:56 PM
4-Chlorotoluene	ND		0.0077	mg/Kg-dry	1	6/25/2024 04:56 PM
4-Methyl-2-pentanone	ND		0.0077	mg/Kg-dry	1	6/25/2024 04:56 PM
Acetone	ND		0.077	mg/Kg-dry	1	6/25/2024 04:56 PM
Benzene	ND		0.0077	mg/Kg-dry	1	6/25/2024 04:56 PM
Bromobenzene	ND		0.0077	mg/Kg-dry	1	6/25/2024 04:56 PM
Bromochloromethane	ND		0.0077	mg/Kg-dry	1	6/25/2024 04:56 PM
Bromodichloromethane	ND		0.0077	mg/Kg-dry	1	6/25/2024 04:56 PM
Bromoform	ND		0.0077	mg/Kg-dry	1	6/25/2024 04:56 PM
Bromomethane	ND		0.0077	mg/Kg-dry	1	6/25/2024 04:56 PM
Carbon disulfide	ND		0.0077	mg/Kg-dry	1	6/25/2024 04:56 PM
Carbon tetrachloride	ND		0.0077	mg/Kg-dry	1	6/25/2024 04:56 PM
Chlorobenzene	ND		0.0077	mg/Kg-dry	1	6/25/2024 04:56 PM
Chloroethane	ND		0.0077	mg/Kg-dry	1	6/25/2024 04:56 PM

Note:

# ALS Environmental

Date: 08-Jul-24

**Client:** Partners Environmental Consulting, Inc.  
**Project:** Former Leake Oil; 448 E. Taggart St., East Palesti  
**Sample ID:** MW-09 4-6'  
**Collection Date:** 6/17/2024 04:07 PM

**Work Order:** 24060754  
**Lab ID:** 24060754-13  
**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Chloroform	ND		0.0077	mg/Kg-dry	1	6/25/2024 04:56 PM
Chloromethane	ND		0.0077	mg/Kg-dry	1	6/25/2024 04:56 PM
cis-1,2-Dichloroethene	ND		0.0077	mg/Kg-dry	1	6/25/2024 04:56 PM
cis-1,3-Dichloropropene	ND		0.0077	mg/Kg-dry	1	6/25/2024 04:56 PM
Dibromochloromethane	ND		0.0077	mg/Kg-dry	1	6/25/2024 04:56 PM
Dibromomethane	ND		0.0077	mg/Kg-dry	1	6/25/2024 04:56 PM
Dichlorodifluoromethane	ND		0.0077	mg/Kg-dry	1	6/25/2024 04:56 PM
Ethylbenzene	ND		0.0077	mg/Kg-dry	1	6/25/2024 04:56 PM
Hexachlorobutadiene	ND		0.0077	mg/Kg-dry	1	6/25/2024 04:56 PM
Isopropylbenzene	ND		0.0077	mg/Kg-dry	1	6/25/2024 04:56 PM
m,p-Xylene	ND		0.015	mg/Kg-dry	1	6/25/2024 04:56 PM
Methyl tert-butyl ether	ND		0.0077	mg/Kg-dry	1	6/25/2024 04:56 PM
Methylene chloride	ND		0.031	mg/Kg-dry	1	6/25/2024 04:56 PM
Naphthalene	ND		0.0077	mg/Kg-dry	1	6/25/2024 04:56 PM
n-Butylbenzene	ND		0.0077	mg/Kg-dry	1	6/25/2024 04:56 PM
n-Propylbenzene	ND		0.0077	mg/Kg-dry	1	6/25/2024 04:56 PM
o-Xylene	ND		0.0077	mg/Kg-dry	1	6/25/2024 04:56 PM
p-Isopropyltoluene	ND		0.0077	mg/Kg-dry	1	6/25/2024 04:56 PM
sec-Butylbenzene	ND		0.0077	mg/Kg-dry	1	6/25/2024 04:56 PM
Styrene	ND		0.0077	mg/Kg-dry	1	6/25/2024 04:56 PM
tert-Butylbenzene	ND		0.0077	mg/Kg-dry	1	6/25/2024 04:56 PM
Tetrachloroethene	ND		0.0077	mg/Kg-dry	1	6/25/2024 04:56 PM
Toluene	ND		0.0077	mg/Kg-dry	1	6/25/2024 04:56 PM
trans-1,2-Dichloroethene	ND		0.0077	mg/Kg-dry	1	6/25/2024 04:56 PM
trans-1,3-Dichloropropene	ND		0.0077	mg/Kg-dry	1	6/25/2024 04:56 PM
Trichloroethene	ND		0.0077	mg/Kg-dry	1	6/25/2024 04:56 PM
Trichlorofluoromethane	ND		0.0077	mg/Kg-dry	1	6/25/2024 04:56 PM
Vinyl chloride	ND		0.0077	mg/Kg-dry	1	6/25/2024 04:56 PM
Xylenes, Total	ND		0.023	mg/Kg-dry	1	6/25/2024 04:56 PM
Surr: 4-Bromofluorobenzene	94.5		78.9-128	%REC	1	6/25/2024 04:56 PM
Surr: Dibromofluoromethane	99.0		79.1-140	%REC	1	6/25/2024 04:56 PM
Surr: Toluene-d8	101		84.5-124	%REC	1	6/25/2024 04:56 PM

Note:

# ALS Environmental

Date: 08-Jul-24

**Client:** Partners Environmental Consulting, Inc.  
**Project:** Former Leake Oil; 448 E. Taggart St., East Palesti  
**Sample ID:** MW-09 6-8'  
**Collection Date:** 6/17/2024 04:07 PM

**Work Order:** 24060754  
**Lab ID:** 24060754-14  
**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>DIESEL RANGE ORGANICS AND OIL RANGE ORGANICS</b>			<b>SW8015B</b>	Prep: SW3546 6/28/24 16:59		Analyst: <b>TME</b>
<b>TPH C10-C20</b>	<b>250</b>		<b>16</b>	<b>mg/Kg-dry</b>	1	7/1/2024 06:58 PM
TPH C20-C34	ND		16	mg/Kg-dry	1	7/1/2024 06:58 PM
Surr: Nonane	60.8		13.1-113	%REC	1	7/1/2024 06:58 PM
Surr: Pentacosane	60.9		28.2-111	%REC	1	7/1/2024 06:58 PM
<b>GASOLINE RANGE ORGANICS (C6-C12)</b>			<b>SW8015A</b>			Analyst: <b>LAK</b>
<b>TPH C6-C12</b>	<b>6.0</b>		<b>2.4</b>	<b>mg/Kg-dry</b>	1	6/28/2024 01:04 AM
Surr: Cyclooctane	96.6		65.2-156	%REC	1	6/28/2024 01:04 AM
<b>MOISTURE</b>			<b>SM2540B</b>			Analyst: <b>CS</b>
<b>Moisture</b>	<b>16</b>			<b>% of sample</b>	1	6/21/2024
<b>SEMI-VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8270C</b>	Prep: SW3546 6/28/24 09:27		Analyst: <b>DTL</b>
1,2,4,5-Tetrachlorobenzene	ND		0.39	mg/Kg-dry	1	6/28/2024 11:04 PM
1,2,4-Trichlorobenzene	ND		0.39	mg/Kg-dry	1	6/28/2024 11:04 PM
1,2-Dichlorobenzene	ND		0.39	mg/Kg-dry	1	6/28/2024 11:04 PM
1,3-Dichlorobenzene	ND		0.39	mg/Kg-dry	1	6/28/2024 11:04 PM
1,3-Dinitrobenzene	ND		0.39	mg/Kg-dry	1	6/28/2024 11:04 PM
1,4-Dichlorobenzene	ND		0.39	mg/Kg-dry	1	6/28/2024 11:04 PM
<b>1-Methylnaphthalene</b>	<b>0.52</b>		<b>0.24</b>	<b>mg/Kg-dry</b>	1	6/28/2024 11:04 PM
1-Naphthylamine	ND		0.39	mg/Kg-dry	1	6/28/2024 11:04 PM
2,3,4,6-Tetrachlorophenol	ND		0.39	mg/Kg-dry	1	6/28/2024 11:04 PM
2,4,5-Trichlorophenol	ND		0.39	mg/Kg-dry	1	6/28/2024 11:04 PM
2,4,6-Trichlorophenol	ND		0.39	mg/Kg-dry	1	6/28/2024 11:04 PM
2,4-Dichlorophenol	ND		0.39	mg/Kg-dry	1	6/28/2024 11:04 PM
2,4-Dimethylphenol	ND		0.39	mg/Kg-dry	1	6/28/2024 11:04 PM
2,4-Dinitrophenol	ND		2.0	mg/Kg-dry	1	6/28/2024 11:04 PM
2,4-Dinitrotoluene	ND		0.39	mg/Kg-dry	1	6/28/2024 11:04 PM
2,6-Dichlorophenol	ND		0.39	mg/Kg-dry	1	6/28/2024 11:04 PM
2,6-Dinitrotoluene	ND		0.39	mg/Kg-dry	1	6/28/2024 11:04 PM
2-Acetylaminofluorene	ND		0.39	mg/Kg-dry	1	6/28/2024 11:04 PM
2-Chloronaphthalene	ND		0.39	mg/Kg-dry	1	6/28/2024 11:04 PM
2-Chlorophenol	ND		0.39	mg/Kg-dry	1	6/28/2024 11:04 PM
<b>2-Methylnaphthalene</b>	<b>0.53</b>		<b>0.24</b>	<b>mg/Kg-dry</b>	1	6/28/2024 11:04 PM
2-Methylphenol	ND		0.39	mg/Kg-dry	1	6/28/2024 11:04 PM
2-Naphthylamine	ND		0.39	mg/Kg-dry	1	6/28/2024 11:04 PM
2-Nitroaniline	ND		2.0	mg/Kg-dry	1	6/28/2024 11:04 PM
2-Nitrophenol	ND		0.39	mg/Kg-dry	1	6/28/2024 11:04 PM
2-Picoline	ND		0.39	mg/Kg-dry	1	6/28/2024 11:04 PM
3&4-Methylphenol	ND		0.39	mg/Kg-dry	1	6/28/2024 11:04 PM

Note:

# ALS Environmental

Date: 08-Jul-24

Client: Partners Environmental Consulting, Inc.  
 Project: Former Leake Oil; 448 E. Taggart St., East Palesti  
 Sample ID: MW-09 6-8'  
 Collection Date: 6/17/2024 04:07 PM

Work Order: 24060754  
 Lab ID: 24060754-14  
 Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
3,3'-Dichlorobenzidine	ND		0.78	mg/Kg-dry	1	6/28/2024 11:04 PM
3-Methylcholanthrene	ND		0.39	mg/Kg-dry	1	6/28/2024 11:04 PM
3-Nitroaniline	ND		2.0	mg/Kg-dry	1	6/28/2024 11:04 PM
4,6-Dinitro-2-methylphenol	ND		2.0	mg/Kg-dry	1	6/28/2024 11:04 PM
4-Aminobiphenyl	ND		0.78	mg/Kg-dry	1	6/28/2024 11:04 PM
4-Bromophenyl phenyl ether	ND		0.39	mg/Kg-dry	1	6/28/2024 11:04 PM
4-Chloro-3-methylphenol	ND		0.78	mg/Kg-dry	1	6/28/2024 11:04 PM
4-Chloroaniline	ND		0.78	mg/Kg-dry	1	6/28/2024 11:04 PM
4-Chlorophenyl phenyl ether	ND		0.39	mg/Kg-dry	1	6/28/2024 11:04 PM
4-Nitroaniline	ND		0.78	mg/Kg-dry	1	6/28/2024 11:04 PM
4-Nitrophenol	ND		2.0	mg/Kg-dry	1	6/28/2024 11:04 PM
4-Nitroquinoline 1-oxide	ND		2.0	mg/Kg-dry	1	6/28/2024 11:04 PM
5-Nitro-o-toluidine	ND		0.39	mg/Kg-dry	1	6/28/2024 11:04 PM
7,12-Dimethylbenz(a)anthracene	ND		0.39	mg/Kg-dry	1	6/28/2024 11:04 PM
Acenaphthene	ND		0.24	mg/Kg-dry	1	6/28/2024 11:04 PM
Acenaphthylene	ND		0.24	mg/Kg-dry	1	6/28/2024 11:04 PM
Acetophenone	ND		0.39	mg/Kg-dry	1	6/28/2024 11:04 PM
Aniline	ND		0.39	mg/Kg-dry	1	6/28/2024 11:04 PM
Anthracene	ND		0.24	mg/Kg-dry	1	6/28/2024 11:04 PM
Azobenzene	ND		0.39	mg/Kg-dry	1	6/28/2024 11:04 PM
Benzidine	ND		0.39	mg/Kg-dry	1	6/28/2024 11:04 PM
Benzo(a)anthracene	ND		0.12	mg/Kg-dry	1	6/28/2024 11:04 PM
Benzo(a)pyrene	ND		0.12	mg/Kg-dry	1	6/28/2024 11:04 PM
Benzo(b)fluoranthene	ND		0.24	mg/Kg-dry	1	6/28/2024 11:04 PM
Benzo(g,h,i)perylene	ND		0.24	mg/Kg-dry	1	6/28/2024 11:04 PM
Benzo(k)fluoranthene	ND		0.24	mg/Kg-dry	1	6/28/2024 11:04 PM
Benzyl alcohol	ND		0.78	mg/Kg-dry	1	6/28/2024 11:04 PM
Bis(2-chloroethoxy)methane	ND		0.39	mg/Kg-dry	1	6/28/2024 11:04 PM
Bis(2-chloroethyl)ether	ND		0.39	mg/Kg-dry	1	6/28/2024 11:04 PM
Bis(2-chloroisopropyl)ether	ND		0.39	mg/Kg-dry	1	6/28/2024 11:04 PM
Bis(2-ethylhexyl)phthalate	ND		0.39	mg/Kg-dry	1	6/28/2024 11:04 PM
Butyl benzyl phthalate	ND		0.39	mg/Kg-dry	1	6/28/2024 11:04 PM
Carbazole	ND		0.24	mg/Kg-dry	1	6/28/2024 11:04 PM
Chrysene	ND		0.24	mg/Kg-dry	1	6/28/2024 11:04 PM
Dibenzo(a,h)anthracene	ND		0.12	mg/Kg-dry	1	6/28/2024 11:04 PM
Dibenzofuran	ND		0.24	mg/Kg-dry	1	6/28/2024 11:04 PM
Diethyl phthalate	ND		0.39	mg/Kg-dry	1	6/28/2024 11:04 PM
Dimethyl phthalate	ND		0.39	mg/Kg-dry	1	6/28/2024 11:04 PM
Di-n-butyl phthalate	ND		0.39	mg/Kg-dry	1	6/28/2024 11:04 PM
Di-n-octyl phthalate	ND		0.39	mg/Kg-dry	1	6/28/2024 11:04 PM

Note:

# ALS Environmental

Date: 08-Jul-24

Client: Partners Environmental Consulting, Inc.  
 Project: Former Leake Oil; 448 E. Taggart St., East Palesti  
 Sample ID: MW-09 6-8'  
 Collection Date: 6/17/2024 04:07 PM

Work Order: 24060754  
 Lab ID: 24060754-14  
 Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Dinoseb	ND		0.39	mg/Kg-dry	1	6/28/2024 11:04 PM
Diphenylamine	ND		0.39	mg/Kg-dry	1	6/28/2024 11:04 PM
Ethyl methanesulfonate	ND		0.39	mg/Kg-dry	1	6/28/2024 11:04 PM
Fluoranthene	ND		0.24	mg/Kg-dry	1	6/28/2024 11:04 PM
Fluorene	ND		0.24	mg/Kg-dry	1	6/28/2024 11:04 PM
Hexachlorobenzene	ND		0.39	mg/Kg-dry	1	6/28/2024 11:04 PM
Hexachlorobutadiene	ND		0.39	mg/Kg-dry	1	6/28/2024 11:04 PM
Hexachlorocyclopentadiene	ND		0.39	mg/Kg-dry	1	6/28/2024 11:04 PM
Hexachloroethane	ND		0.39	mg/Kg-dry	1	6/28/2024 11:04 PM
Indeno(1,2,3-cd)pyrene	ND		0.12	mg/Kg-dry	1	6/28/2024 11:04 PM
Isophorone	ND		0.39	mg/Kg-dry	1	6/28/2024 11:04 PM
Isosafrole	ND		0.39	mg/Kg-dry	1	6/28/2024 11:04 PM
Methapyrilene	ND		2.0	mg/Kg-dry	1	6/28/2024 11:04 PM
Methyl methanesulfonate	ND		0.39	mg/Kg-dry	1	6/28/2024 11:04 PM
Naphthalene	ND		0.24	mg/Kg-dry	1	6/28/2024 11:04 PM
Nitrobenzene	ND		0.39	mg/Kg-dry	1	6/28/2024 11:04 PM
N-Nitrosodiethylamine	ND		0.39	mg/Kg-dry	1	6/28/2024 11:04 PM
N-Nitrosodimethylamine	ND		0.39	mg/Kg-dry	1	6/28/2024 11:04 PM
N-Nitroso-di-n-butylamine	ND		0.39	mg/Kg-dry	1	6/28/2024 11:04 PM
N-Nitrosodi-n-propylamine	ND		0.39	mg/Kg-dry	1	6/28/2024 11:04 PM
N-Nitrosomethylethylamine	ND		0.39	mg/Kg-dry	1	6/28/2024 11:04 PM
N-Nitrosomorpholine	ND		0.39	mg/Kg-dry	1	6/28/2024 11:04 PM
N-Nitrosopiperidine	ND		0.39	mg/Kg-dry	1	6/28/2024 11:04 PM
N-Nitrosopyrrolidine	ND		0.39	mg/Kg-dry	1	6/28/2024 11:04 PM
o-Toluidine	ND		2.0	mg/Kg-dry	1	6/28/2024 11:04 PM
p-Dimethylaminoazobenzene	ND		0.39	mg/Kg-dry	1	6/28/2024 11:04 PM
Pentachlorobenzene	ND		0.39	mg/Kg-dry	1	6/28/2024 11:04 PM
Pentachloroethane	ND		0.39	mg/Kg-dry	1	6/28/2024 11:04 PM
Pentachloronitrobenzene	ND		0.78	mg/Kg-dry	1	6/28/2024 11:04 PM
Pentachlorophenol	ND		2.0	mg/Kg-dry	1	6/28/2024 11:04 PM
Phenacetin	ND		0.78	mg/Kg-dry	1	6/28/2024 11:04 PM
<b>Phenanthrene</b>	<b>0.28</b>		<b>0.24</b>	<b>mg/Kg-dry</b>	1	6/28/2024 11:04 PM
Phenol	ND		0.39	mg/Kg-dry	1	6/28/2024 11:04 PM
Pyrene	ND		0.24	mg/Kg-dry	1	6/28/2024 11:04 PM
Pyridine	ND		0.39	mg/Kg-dry	1	6/28/2024 11:04 PM
Safrole	ND		0.39	mg/Kg-dry	1	6/28/2024 11:04 PM
Surr: 2,4,6-Tribromophenol	81.9		14.2-136	%REC	1	6/28/2024 11:04 PM
Surr: 2-Fluorobiphenyl	66.9		30-116	%REC	1	6/28/2024 11:04 PM
Surr: 2-Fluorophenol	76.7		5.42-113	%REC	1	6/28/2024 11:04 PM
Surr: 4-Terphenyl-d14	79.7		27.3-138	%REC	1	6/28/2024 11:04 PM

Note:



# ALS Environmental

Date: 08-Jul-24

**Client:** Partners Environmental Consulting, Inc.  
**Project:** Former Leake Oil; 448 E. Taggart St., East Palesti  
**Sample ID:** MW-09 6-8'  
**Collection Date:** 6/17/2024 04:07 PM

**Work Order:** 24060754  
**Lab ID:** 24060754-14  
**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Surr: Nitrobenzene-d5	78.4		23.7-109	%REC	1	6/28/2024 11:04 PM
Surr: Phenol-d6	78.3		13.8-108	%REC	1	6/28/2024 11:04 PM

## VOLATILE ORGANIC COMPOUNDS

SW8260B

Analyst: RA

1,1,1,2-Tetrachloroethane	ND		0.030	mg/Kg-dry	5	6/25/2024 05:12 PM
1,1,1-Trichloroethane	ND		0.030	mg/Kg-dry	5	6/25/2024 05:12 PM
1,1,2,2-Tetrachloroethane	ND		0.030	mg/Kg-dry	5	6/25/2024 05:12 PM
1,1,2-Trichloroethane	ND		0.030	mg/Kg-dry	5	6/25/2024 05:12 PM
1,1-Dichloroethane	ND		0.030	mg/Kg-dry	5	6/25/2024 05:12 PM
1,1-Dichloroethene	ND		0.030	mg/Kg-dry	5	6/25/2024 05:12 PM
1,1-Dichloropropene	ND		0.030	mg/Kg-dry	5	6/25/2024 05:12 PM
1,2,3-Trichlorobenzene	ND		0.030	mg/Kg-dry	5	6/25/2024 05:12 PM
1,2,3-Trichloropropane	ND		0.030	mg/Kg-dry	5	6/25/2024 05:12 PM
1,2,4-Trichlorobenzene	ND		0.030	mg/Kg-dry	5	6/25/2024 05:12 PM
<b>1,2,4-Trimethylbenzene</b>	<b>0.16</b>		<b>0.030</b>	<b>mg/Kg-dry</b>	5	6/25/2024 05:12 PM
1,2-Dibromo-3-chloropropane	ND		0.030	mg/Kg-dry	5	6/25/2024 05:12 PM
1,2-Dibromoethane	ND		0.030	mg/Kg-dry	5	6/25/2024 05:12 PM
1,2-Dichlorobenzene	ND		0.030	mg/Kg-dry	5	6/25/2024 05:12 PM
1,2-Dichloroethane	ND		0.030	mg/Kg-dry	5	6/25/2024 05:12 PM
1,2-Dichloropropane	ND		0.030	mg/Kg-dry	5	6/25/2024 05:12 PM
<b>1,3,5-Trimethylbenzene</b>	<b>0.064</b>		<b>0.030</b>	<b>mg/Kg-dry</b>	5	6/25/2024 05:12 PM
1,3-Dichlorobenzene	ND		0.030	mg/Kg-dry	5	6/25/2024 05:12 PM
1,3-Dichloropropane	ND		0.030	mg/Kg-dry	5	6/25/2024 05:12 PM
1,4-Dichlorobenzene	ND		0.030	mg/Kg-dry	5	6/25/2024 05:12 PM
2,2-Dichloropropane	ND		0.030	mg/Kg-dry	5	6/25/2024 05:12 PM
2-Butanone	ND		0.30	mg/Kg-dry	5	6/25/2024 05:12 PM
2-Chlorotoluene	ND		0.030	mg/Kg-dry	5	6/25/2024 05:12 PM
2-Hexanone	ND		0.030	mg/Kg-dry	5	6/25/2024 05:12 PM
4-Chlorotoluene	ND		0.030	mg/Kg-dry	5	6/25/2024 05:12 PM
4-Methyl-2-pentanone	ND		0.030	mg/Kg-dry	5	6/25/2024 05:12 PM
Acetone	ND		0.30	mg/Kg-dry	5	6/25/2024 05:12 PM
Benzene	ND		0.030	mg/Kg-dry	5	6/25/2024 05:12 PM
Bromobenzene	ND		0.030	mg/Kg-dry	5	6/25/2024 05:12 PM
Bromochloromethane	ND		0.030	mg/Kg-dry	5	6/25/2024 05:12 PM
Bromodichloromethane	ND		0.030	mg/Kg-dry	5	6/25/2024 05:12 PM
Bromoform	ND		0.030	mg/Kg-dry	5	6/25/2024 05:12 PM
Bromomethane	ND		0.030	mg/Kg-dry	5	6/25/2024 05:12 PM
Carbon disulfide	ND		0.030	mg/Kg-dry	5	6/25/2024 05:12 PM
Carbon tetrachloride	ND		0.030	mg/Kg-dry	5	6/25/2024 05:12 PM
Chlorobenzene	ND		0.030	mg/Kg-dry	5	6/25/2024 05:12 PM
Chloroethane	ND		0.030	mg/Kg-dry	5	6/25/2024 05:12 PM

Note:

# ALS Environmental

Date: 08-Jul-24

**Client:** Partners Environmental Consulting, Inc.  
**Project:** Former Leake Oil; 448 E. Taggart St., East Palesti  
**Sample ID:** MW-09 6-8'  
**Collection Date:** 6/17/2024 04:07 PM

**Work Order:** 24060754  
**Lab ID:** 24060754-14  
**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Chloroform	ND		0.030	mg/Kg-dry	5	6/25/2024 05:12 PM
Chloromethane	ND		0.030	mg/Kg-dry	5	6/25/2024 05:12 PM
cis-1,2-Dichloroethene	ND		0.030	mg/Kg-dry	5	6/25/2024 05:12 PM
cis-1,3-Dichloropropene	ND		0.030	mg/Kg-dry	5	6/25/2024 05:12 PM
Dibromochloromethane	ND		0.030	mg/Kg-dry	5	6/25/2024 05:12 PM
Dibromomethane	ND		0.030	mg/Kg-dry	5	6/25/2024 05:12 PM
Dichlorodifluoromethane	ND		0.030	mg/Kg-dry	5	6/25/2024 05:12 PM
<b>Ethylbenzene</b>	<b>0.10</b>		<b>0.030</b>	<b>mg/Kg-dry</b>	5	6/25/2024 05:12 PM
Hexachlorobutadiene	ND		0.030	mg/Kg-dry	5	6/25/2024 05:12 PM
Isopropylbenzene	ND		0.030	mg/Kg-dry	5	6/25/2024 05:12 PM
<b>m,p-Xylene</b>	<b>0.25</b>		<b>0.060</b>	<b>mg/Kg-dry</b>	5	6/25/2024 05:12 PM
Methyl tert-butyl ether	ND		0.030	mg/Kg-dry	5	6/25/2024 05:12 PM
Methylene chloride	ND		0.12	mg/Kg-dry	5	6/25/2024 05:12 PM
<b>Naphthalene</b>	<b>0.075</b>		<b>0.030</b>	<b>mg/Kg-dry</b>	5	6/25/2024 05:12 PM
n-Butylbenzene	ND		0.030	mg/Kg-dry	5	6/25/2024 05:12 PM
n-Propylbenzene	ND		0.030	mg/Kg-dry	5	6/25/2024 05:12 PM
o-Xylene	ND		0.030	mg/Kg-dry	5	6/25/2024 05:12 PM
p-Isopropyltoluene	ND		0.030	mg/Kg-dry	5	6/25/2024 05:12 PM
sec-Butylbenzene	ND		0.030	mg/Kg-dry	5	6/25/2024 05:12 PM
Styrene	ND		0.030	mg/Kg-dry	5	6/25/2024 05:12 PM
tert-Butylbenzene	ND		0.030	mg/Kg-dry	5	6/25/2024 05:12 PM
Tetrachloroethene	ND		0.030	mg/Kg-dry	5	6/25/2024 05:12 PM
Toluene	ND		0.030	mg/Kg-dry	5	6/25/2024 05:12 PM
trans-1,2-Dichloroethene	ND		0.030	mg/Kg-dry	5	6/25/2024 05:12 PM
trans-1,3-Dichloropropene	ND		0.030	mg/Kg-dry	5	6/25/2024 05:12 PM
Trichloroethene	ND		0.030	mg/Kg-dry	5	6/25/2024 05:12 PM
Trichlorofluoromethane	ND		0.030	mg/Kg-dry	5	6/25/2024 05:12 PM
Vinyl chloride	ND		0.030	mg/Kg-dry	5	6/25/2024 05:12 PM
<b>Xylenes, Total</b>	<b>0.26</b>		<b>0.089</b>	<b>mg/Kg-dry</b>	5	6/25/2024 05:12 PM
Surr: 4-Bromofluorobenzene	101		78.9-128	%REC	5	6/25/2024 05:12 PM
Surr: Dibromofluoromethane	97.9		79.1-140	%REC	5	6/25/2024 05:12 PM
Surr: Toluene-d8	101		84.5-124	%REC	5	6/25/2024 05:12 PM

Note:

# ALS Environmental

Date: 08-Jul-24

**Client:** Partners Environmental Consulting, Inc.  
**Project:** Former Leake Oil; 448 E. Taggart St., East Palesti  
**Sample ID:** MW-10 6-8'  
**Collection Date:** 6/18/2024 09:59 AM

**Work Order:** 24060754  
**Lab ID:** 24060754-15  
**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>DIESEL RANGE ORGANICS AND OIL RANGE ORGANICS</b>			<b>SW8015B</b>	Prep: SW3546 6/28/24 16:59		Analyst: <b>TME</b>
<b>TPH C10-C20</b>	<b>740</b>		<b>160</b>	<b>mg/Kg-dry</b>	10	7/2/2024 10:05 AM
TPH C20-C34	ND		16	mg/Kg-dry	1	7/1/2024 07:17 PM
Surr: Nonane	178	S	13.1-113	%REC	1	7/1/2024 07:17 PM
Surr: Pentacosane	64.9		28.2-111	%REC	1	7/1/2024 07:17 PM
<b>GASOLINE RANGE ORGANICS (C6-C12)</b>			<b>SW8015A</b>	Prep: SW3546 6/28/24 16:59		Analyst: <b>LAK</b>
<b>TPH C6-C12</b>	<b>960</b>		<b>94</b>	<b>mg/Kg-dry</b>	40	6/28/2024 01:30 AM
Surr: Cyclooctane	105		65.2-156	%REC	40	6/28/2024 01:30 AM
<b>MOISTURE</b>			<b>SM2540B</b>	Prep: SW3546 6/28/24 16:59		Analyst: <b>CS</b>
<b>Moisture</b>	<b>15</b>			<b>% of sample</b>	1	6/21/2024
<b>SEMI-VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8270C</b>	Prep: SW3546 6/28/24 09:27		Analyst: <b>DTL</b>
1,2,4,5-Tetrachlorobenzene	ND		0.39	mg/Kg-dry	1	6/28/2024 11:19 PM
1,2,4-Trichlorobenzene	ND		0.39	mg/Kg-dry	1	6/28/2024 11:19 PM
1,2-Dichlorobenzene	ND		0.39	mg/Kg-dry	1	6/28/2024 11:19 PM
1,3-Dichlorobenzene	ND		0.39	mg/Kg-dry	1	6/28/2024 11:19 PM
1,3-Dinitrobenzene	ND		0.39	mg/Kg-dry	1	6/28/2024 11:19 PM
1,4-Dichlorobenzene	ND		0.39	mg/Kg-dry	1	6/28/2024 11:19 PM
<b>1-Methylnaphthalene</b>	<b>7.3</b>		<b>2.4</b>	<b>mg/Kg-dry</b>	10	7/1/2024 03:51 PM
1-Naphthylamine	ND		0.39	mg/Kg-dry	1	6/28/2024 11:19 PM
2,3,4,6-Tetrachlorophenol	ND		0.39	mg/Kg-dry	1	6/28/2024 11:19 PM
2,4,5-Trichlorophenol	ND		0.39	mg/Kg-dry	1	6/28/2024 11:19 PM
2,4,6-Trichlorophenol	ND		0.39	mg/Kg-dry	1	6/28/2024 11:19 PM
2,4-Dichlorophenol	ND		0.39	mg/Kg-dry	1	6/28/2024 11:19 PM
2,4-Dimethylphenol	ND		0.39	mg/Kg-dry	1	6/28/2024 11:19 PM
2,4-Dinitrophenol	ND		1.9	mg/Kg-dry	1	6/28/2024 11:19 PM
2,4-Dinitrotoluene	ND		0.39	mg/Kg-dry	1	6/28/2024 11:19 PM
2,6-Dichlorophenol	ND		0.39	mg/Kg-dry	1	6/28/2024 11:19 PM
2,6-Dinitrotoluene	ND		0.39	mg/Kg-dry	1	6/28/2024 11:19 PM
2-Acetylaminofluorene	ND		0.39	mg/Kg-dry	1	6/28/2024 11:19 PM
2-Chloronaphthalene	ND		0.39	mg/Kg-dry	1	6/28/2024 11:19 PM
2-Chlorophenol	ND		0.39	mg/Kg-dry	1	6/28/2024 11:19 PM
<b>2-Methylnaphthalene</b>	<b>14</b>		<b>2.4</b>	<b>mg/Kg-dry</b>	10	7/1/2024 03:51 PM
2-Methylphenol	ND		0.39	mg/Kg-dry	1	6/28/2024 11:19 PM
2-Naphthylamine	ND		0.39	mg/Kg-dry	1	6/28/2024 11:19 PM
2-Nitroaniline	ND		1.9	mg/Kg-dry	1	6/28/2024 11:19 PM
2-Nitrophenol	ND		0.39	mg/Kg-dry	1	6/28/2024 11:19 PM
2-Picoline	ND		0.39	mg/Kg-dry	1	6/28/2024 11:19 PM
3&4-Methylphenol	ND		0.39	mg/Kg-dry	1	6/28/2024 11:19 PM

Note:

# ALS Environmental

Date: 08-Jul-24

**Client:** Partners Environmental Consulting, Inc.  
**Project:** Former Leake Oil; 448 E. Taggart St., East Palesti  
**Sample ID:** MW-10 6-8'  
**Collection Date:** 6/18/2024 09:59 AM

**Work Order:** 24060754  
**Lab ID:** 24060754-15  
**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
3,3'-Dichlorobenzidine	ND		0.78	mg/Kg-dry	1	6/28/2024 11:19 PM
3-Methylcholanthrene	ND		0.39	mg/Kg-dry	1	6/28/2024 11:19 PM
3-Nitroaniline	ND		1.9	mg/Kg-dry	1	6/28/2024 11:19 PM
4,6-Dinitro-2-methylphenol	ND		1.9	mg/Kg-dry	1	6/28/2024 11:19 PM
4-Aminobiphenyl	ND		0.78	mg/Kg-dry	1	6/28/2024 11:19 PM
4-Bromophenyl phenyl ether	ND		0.39	mg/Kg-dry	1	6/28/2024 11:19 PM
4-Chloro-3-methylphenol	ND		0.78	mg/Kg-dry	1	6/28/2024 11:19 PM
4-Chloroaniline	ND		0.78	mg/Kg-dry	1	6/28/2024 11:19 PM
4-Chlorophenyl phenyl ether	ND		0.39	mg/Kg-dry	1	6/28/2024 11:19 PM
4-Nitroaniline	ND		0.78	mg/Kg-dry	1	6/28/2024 11:19 PM
4-Nitrophenol	ND		1.9	mg/Kg-dry	1	6/28/2024 11:19 PM
4-Nitroquinoline 1-oxide	ND		1.9	mg/Kg-dry	1	6/28/2024 11:19 PM
5-Nitro-o-toluidine	ND		0.39	mg/Kg-dry	1	6/28/2024 11:19 PM
7,12-Dimethylbenz(a)anthracene	ND		0.39	mg/Kg-dry	1	6/28/2024 11:19 PM
Acenaphthene	ND		0.24	mg/Kg-dry	1	6/28/2024 11:19 PM
Acenaphthylene	ND		0.24	mg/Kg-dry	1	6/28/2024 11:19 PM
Acetophenone	ND		0.39	mg/Kg-dry	1	6/28/2024 11:19 PM
Aniline	ND		0.39	mg/Kg-dry	1	6/28/2024 11:19 PM
Anthracene	ND		0.24	mg/Kg-dry	1	6/28/2024 11:19 PM
Azobenzene	ND		0.39	mg/Kg-dry	1	6/28/2024 11:19 PM
Benzidine	ND		0.39	mg/Kg-dry	1	6/28/2024 11:19 PM
Benzo(a)anthracene	ND		0.12	mg/Kg-dry	1	6/28/2024 11:19 PM
Benzo(a)pyrene	ND		0.12	mg/Kg-dry	1	6/28/2024 11:19 PM
Benzo(b)fluoranthene	ND		0.24	mg/Kg-dry	1	6/28/2024 11:19 PM
Benzo(g,h,i)perylene	ND		0.24	mg/Kg-dry	1	6/28/2024 11:19 PM
Benzo(k)fluoranthene	ND		0.24	mg/Kg-dry	1	6/28/2024 11:19 PM
Benzyl alcohol	ND		0.78	mg/Kg-dry	1	6/28/2024 11:19 PM
Bis(2-chloroethoxy)methane	ND		0.39	mg/Kg-dry	1	6/28/2024 11:19 PM
Bis(2-chloroethyl)ether	ND		0.39	mg/Kg-dry	1	6/28/2024 11:19 PM
Bis(2-chloroisopropyl)ether	ND		0.39	mg/Kg-dry	1	6/28/2024 11:19 PM
Bis(2-ethylhexyl)phthalate	ND		0.39	mg/Kg-dry	1	6/28/2024 11:19 PM
Butyl benzyl phthalate	ND		0.39	mg/Kg-dry	1	6/28/2024 11:19 PM
Carbazole	ND		0.24	mg/Kg-dry	1	6/28/2024 11:19 PM
Chrysene	ND		0.24	mg/Kg-dry	1	6/28/2024 11:19 PM
Dibenzo(a,h)anthracene	ND		0.12	mg/Kg-dry	1	6/28/2024 11:19 PM
Dibenzofuran	ND		0.24	mg/Kg-dry	1	6/28/2024 11:19 PM
Diethyl phthalate	ND		0.39	mg/Kg-dry	1	6/28/2024 11:19 PM
Dimethyl phthalate	ND		0.39	mg/Kg-dry	1	6/28/2024 11:19 PM
Di-n-butyl phthalate	ND		0.39	mg/Kg-dry	1	6/28/2024 11:19 PM
Di-n-octyl phthalate	ND		0.39	mg/Kg-dry	1	6/28/2024 11:19 PM

**Note:**

# ALS Environmental

Date: 08-Jul-24

**Client:** Partners Environmental Consulting, Inc.  
**Project:** Former Leake Oil; 448 E. Taggart St., East Palesti  
**Sample ID:** MW-10 6-8'  
**Collection Date:** 6/18/2024 09:59 AM

**Work Order:** 24060754  
**Lab ID:** 24060754-15  
**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Dinoseb	ND		0.39	mg/Kg-dry	1	6/28/2024 11:19 PM
Diphenylamine	ND		0.39	mg/Kg-dry	1	6/28/2024 11:19 PM
Ethyl methanesulfonate	ND		0.39	mg/Kg-dry	1	6/28/2024 11:19 PM
Fluoranthene	ND		0.24	mg/Kg-dry	1	6/28/2024 11:19 PM
Fluorene	ND		0.24	mg/Kg-dry	1	6/28/2024 11:19 PM
Hexachlorobenzene	ND		0.39	mg/Kg-dry	1	6/28/2024 11:19 PM
Hexachlorobutadiene	ND		0.39	mg/Kg-dry	1	6/28/2024 11:19 PM
Hexachlorocyclopentadiene	ND		0.39	mg/Kg-dry	1	6/28/2024 11:19 PM
Hexachloroethane	ND		0.39	mg/Kg-dry	1	6/28/2024 11:19 PM
Indeno(1,2,3-cd)pyrene	ND		0.12	mg/Kg-dry	1	6/28/2024 11:19 PM
Isophorone	ND		0.39	mg/Kg-dry	1	6/28/2024 11:19 PM
Isosafrole	ND		0.39	mg/Kg-dry	1	6/28/2024 11:19 PM
Methapyrilene	ND		1.9	mg/Kg-dry	1	6/28/2024 11:19 PM
Methyl methanesulfonate	ND		0.39	mg/Kg-dry	1	6/28/2024 11:19 PM
<b>Naphthalene</b>	<b>7.8</b>		<b>2.4</b>	<b>mg/Kg-dry</b>	<b>10</b>	7/1/2024 03:51 PM
Nitrobenzene	ND		0.39	mg/Kg-dry	1	6/28/2024 11:19 PM
N-Nitrosodiethylamine	ND		0.39	mg/Kg-dry	1	6/28/2024 11:19 PM
N-Nitrosodimethylamine	ND		0.39	mg/Kg-dry	1	6/28/2024 11:19 PM
N-Nitroso-di-n-butylamine	ND		0.39	mg/Kg-dry	1	6/28/2024 11:19 PM
N-Nitrosodi-n-propylamine	ND		0.39	mg/Kg-dry	1	6/28/2024 11:19 PM
N-Nitrosomethylethylamine	ND		0.39	mg/Kg-dry	1	6/28/2024 11:19 PM
N-Nitrosomorpholine	ND		0.39	mg/Kg-dry	1	6/28/2024 11:19 PM
N-Nitrosopiperidine	ND		0.39	mg/Kg-dry	1	6/28/2024 11:19 PM
N-Nitrosopyrrolidine	ND		0.39	mg/Kg-dry	1	6/28/2024 11:19 PM
o-Toluidine	ND		1.9	mg/Kg-dry	1	6/28/2024 11:19 PM
p-Dimethylaminoazobenzene	ND		0.39	mg/Kg-dry	1	6/28/2024 11:19 PM
Pentachlorobenzene	ND		0.39	mg/Kg-dry	1	6/28/2024 11:19 PM
Pentachloroethane	ND		0.39	mg/Kg-dry	1	6/28/2024 11:19 PM
Pentachloronitrobenzene	ND		0.78	mg/Kg-dry	1	6/28/2024 11:19 PM
Pentachlorophenol	ND		1.9	mg/Kg-dry	1	6/28/2024 11:19 PM
Phenacetin	ND		0.78	mg/Kg-dry	1	6/28/2024 11:19 PM
<b>Phenanthrene</b>	<b>0.45</b>		<b>0.24</b>	<b>mg/Kg-dry</b>	<b>1</b>	6/28/2024 11:19 PM
Phenol	ND		0.39	mg/Kg-dry	1	6/28/2024 11:19 PM
Pyrene	ND		0.24	mg/Kg-dry	1	6/28/2024 11:19 PM
Pyridine	ND		0.39	mg/Kg-dry	1	6/28/2024 11:19 PM
Safrole	ND		0.39	mg/Kg-dry	1	6/28/2024 11:19 PM
Surr: 2,4,6-Tribromophenol	79.7		14.2-136	%REC	1	6/28/2024 11:19 PM
Surr: 2-Fluorobiphenyl	67.4		30-116	%REC	1	6/28/2024 11:19 PM
Surr: 2-Fluorophenol	78.5		5.42-113	%REC	1	6/28/2024 11:19 PM
Surr: 4-Terphenyl-d14	77.1		27.3-138	%REC	1	6/28/2024 11:19 PM

Note:

# ALS Environmental

Date: 08-Jul-24

**Client:** Partners Environmental Consulting, Inc.  
**Project:** Former Leake Oil; 448 E. Taggart St., East Palesti  
**Sample ID:** MW-10 6-8'  
**Collection Date:** 6/18/2024 09:59 AM

**Work Order:** 24060754  
**Lab ID:** 24060754-15  
**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Surr: Nitrobenzene-d5	84.2		23.7-109	%REC	1	6/28/2024 11:19 PM
Surr: Phenol-d6	82.6		13.8-108	%REC	1	6/28/2024 11:19 PM

## VOLATILE ORGANIC COMPOUNDS

SW8260B

Analyst: RA

1,1,1,2-Tetrachloroethane	ND		0.029	mg/Kg-dry	5	6/25/2024 05:28 PM
1,1,1-Trichloroethane	ND		0.029	mg/Kg-dry	5	6/25/2024 05:28 PM
1,1,2,2-Tetrachloroethane	ND		0.029	mg/Kg-dry	5	6/25/2024 05:28 PM
1,1,2-Trichloroethane	ND		0.029	mg/Kg-dry	5	6/25/2024 05:28 PM
1,1-Dichloroethane	ND		0.029	mg/Kg-dry	5	6/25/2024 05:28 PM
1,1-Dichloroethene	ND		0.029	mg/Kg-dry	5	6/25/2024 05:28 PM
1,1-Dichloropropene	ND		0.029	mg/Kg-dry	5	6/25/2024 05:28 PM
1,2,3-Trichlorobenzene	ND		0.029	mg/Kg-dry	5	6/25/2024 05:28 PM
1,2,3-Trichloropropane	ND		0.029	mg/Kg-dry	5	6/25/2024 05:28 PM
1,2,4-Trichlorobenzene	ND		0.029	mg/Kg-dry	5	6/25/2024 05:28 PM
<b>1,2,4-Trimethylbenzene</b>	<b>29</b>		<b>5.9</b>	<b>mg/Kg-dry</b>	1000	6/29/2024 01:10 AM
1,2-Dibromo-3-chloropropane	ND		0.029	mg/Kg-dry	5	6/25/2024 05:28 PM
1,2-Dibromoethane	ND		0.029	mg/Kg-dry	5	6/25/2024 05:28 PM
1,2-Dichlorobenzene	ND		0.029	mg/Kg-dry	5	6/25/2024 05:28 PM
1,2-Dichloroethane	ND		0.029	mg/Kg-dry	5	6/25/2024 05:28 PM
1,2-Dichloropropane	ND		0.029	mg/Kg-dry	5	6/25/2024 05:28 PM
<b>1,3,5-Trimethylbenzene</b>	<b>12</b>		<b>0.59</b>	<b>mg/Kg-dry</b>	100	6/26/2024 04:21 PM
1,3-Dichlorobenzene	ND		0.029	mg/Kg-dry	5	6/25/2024 05:28 PM
1,3-Dichloropropane	ND		0.029	mg/Kg-dry	5	6/25/2024 05:28 PM
1,4-Dichlorobenzene	ND		0.029	mg/Kg-dry	5	6/25/2024 05:28 PM
2,2-Dichloropropane	ND		0.029	mg/Kg-dry	5	6/25/2024 05:28 PM
2-Butanone	ND		0.29	mg/Kg-dry	5	6/25/2024 05:28 PM
2-Chlorotoluene	ND		0.029	mg/Kg-dry	5	6/25/2024 05:28 PM
2-Hexanone	ND		0.029	mg/Kg-dry	5	6/25/2024 05:28 PM
4-Chlorotoluene	ND		0.029	mg/Kg-dry	5	6/25/2024 05:28 PM
4-Methyl-2-pentanone	ND		0.029	mg/Kg-dry	5	6/25/2024 05:28 PM
Acetone	ND		0.29	mg/Kg-dry	5	6/25/2024 05:28 PM
Benzene	ND		0.029	mg/Kg-dry	5	6/25/2024 05:28 PM
Bromobenzene	ND		0.029	mg/Kg-dry	5	6/25/2024 05:28 PM
Bromochloromethane	ND		0.029	mg/Kg-dry	5	6/25/2024 05:28 PM
Bromodichloromethane	ND		0.029	mg/Kg-dry	5	6/25/2024 05:28 PM
Bromoform	ND		0.029	mg/Kg-dry	5	6/25/2024 05:28 PM
Bromomethane	ND		0.029	mg/Kg-dry	5	6/25/2024 05:28 PM
Carbon disulfide	ND		0.029	mg/Kg-dry	5	6/25/2024 05:28 PM
Carbon tetrachloride	ND		0.029	mg/Kg-dry	5	6/25/2024 05:28 PM
Chlorobenzene	ND		0.029	mg/Kg-dry	5	6/25/2024 05:28 PM
Chloroethane	ND		0.029	mg/Kg-dry	5	6/25/2024 05:28 PM

Note:

# ALS Environmental

Date: 08-Jul-24

**Client:** Partners Environmental Consulting, Inc.  
**Project:** Former Leake Oil; 448 E. Taggart St., East Palesti  
**Sample ID:** MW-10 6-8'  
**Collection Date:** 6/18/2024 09:59 AM

**Work Order:** 24060754  
**Lab ID:** 24060754-15  
**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Chloroform	ND		0.029	mg/Kg-dry	5	6/25/2024 05:28 PM
Chloromethane	ND		0.029	mg/Kg-dry	5	6/25/2024 05:28 PM
cis-1,2-Dichloroethene	ND		0.029	mg/Kg-dry	5	6/25/2024 05:28 PM
cis-1,3-Dichloropropene	ND		0.029	mg/Kg-dry	5	6/25/2024 05:28 PM
Dibromochloromethane	ND		0.029	mg/Kg-dry	5	6/25/2024 05:28 PM
Dibromomethane	ND		0.029	mg/Kg-dry	5	6/25/2024 05:28 PM
Dichlorodifluoromethane	ND		0.029	mg/Kg-dry	5	6/25/2024 05:28 PM
<b>Ethylbenzene</b>	<b>5.8</b>		<b>0.59</b>	<b>mg/Kg-dry</b>	100	6/26/2024 04:21 PM
Hexachlorobutadiene	ND		0.029	mg/Kg-dry	5	6/25/2024 05:28 PM
<b>Isopropylbenzene</b>	<b>0.65</b>		<b>0.029</b>	<b>mg/Kg-dry</b>	5	6/25/2024 05:28 PM
<b>m,p-Xylene</b>	<b>28</b>		<b>1.2</b>	<b>mg/Kg-dry</b>	100	6/26/2024 04:21 PM
Methyl tert-butyl ether	ND		0.029	mg/Kg-dry	5	6/25/2024 05:28 PM
Methylene chloride	ND		0.12	mg/Kg-dry	5	6/25/2024 05:28 PM
<b>Naphthalene</b>	<b>6.2</b>		<b>0.59</b>	<b>mg/Kg-dry</b>	100	6/26/2024 04:21 PM
<b>n-Butylbenzene</b>	<b>0.55</b>		<b>0.029</b>	<b>mg/Kg-dry</b>	5	6/25/2024 05:28 PM
<b>n-Propylbenzene</b>	<b>4.8</b>		<b>0.59</b>	<b>mg/Kg-dry</b>	100	6/26/2024 04:21 PM
<b>o-Xylene</b>	<b>0.58</b>		<b>0.47</b>	<b>mg/Kg-dry</b>	100	6/26/2024 04:21 PM
<b>p-Isopropyltoluene</b>	<b>0.61</b>		<b>0.029</b>	<b>mg/Kg-dry</b>	5	6/25/2024 05:28 PM
<b>sec-Butylbenzene</b>	<b>0.22</b>		<b>0.029</b>	<b>mg/Kg-dry</b>	5	6/25/2024 05:28 PM
<b>Styrene</b>	<b>0.090</b>		<b>0.029</b>	<b>mg/Kg-dry</b>	5	6/25/2024 05:28 PM
tert-Butylbenzene	ND		0.029	mg/Kg-dry	5	6/25/2024 05:28 PM
Tetrachloroethene	ND		0.029	mg/Kg-dry	5	6/25/2024 05:28 PM
<b>Toluene</b>	<b>0.11</b>		<b>0.029</b>	<b>mg/Kg-dry</b>	5	6/25/2024 05:28 PM
trans-1,2-Dichloroethene	ND		0.029	mg/Kg-dry	5	6/25/2024 05:28 PM
trans-1,3-Dichloropropene	ND		0.029	mg/Kg-dry	5	6/25/2024 05:28 PM
Trichloroethene	ND		0.029	mg/Kg-dry	5	6/25/2024 05:28 PM
Trichlorofluoromethane	ND		0.029	mg/Kg-dry	5	6/25/2024 05:28 PM
Vinyl chloride	ND		0.029	mg/Kg-dry	5	6/25/2024 05:28 PM
<b>Xylenes, Total</b>	<b>28</b>		<b>1.8</b>	<b>mg/Kg-dry</b>	100	6/26/2024 04:21 PM
Surr: 4-Bromofluorobenzene	99.1		78.9-128	%REC	5	6/25/2024 05:28 PM
Surr: Dibromofluoromethane	94.1		79.1-140	%REC	5	6/25/2024 05:28 PM
Surr: Toluene-d8	97.1		84.5-124	%REC	5	6/25/2024 05:28 PM

Note:



# ALS Environmental

Date: 08-Jul-24

**Client:** Partners Environmental Consulting, Inc.  
**Project:** Former Leake Oil; 448 E. Taggart St., East Palesti  
**Sample ID:** MW-10 8-10'  
**Collection Date:** 6/18/2024 09:59 AM

**Work Order:** 24060754  
**Lab ID:** 24060754-16  
**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>DIESEL RANGE ORGANICS AND OIL RANGE ORGANICS</b>			<b>SW8015B</b>	Prep: SW3546 6/28/24 16:59		Analyst: <b>TME</b>
<b>TPH C10-C20</b>	<b>580</b>		<b>80</b>	<b>mg/Kg-dry</b>	5	7/2/2024 10:24 AM
TPH C20-C34	ND		16	mg/Kg-dry	1	7/1/2024 07:36 PM
Surr: Nonane	73.6		13.1-113	%REC	1	7/1/2024 07:36 PM
Surr: Pentacosane	51.4		28.2-111	%REC	1	7/1/2024 07:36 PM
<b>GASOLINE RANGE ORGANICS (C6-C12)</b>			<b>SW8015A</b>	Prep: SW3546 6/28/24 16:59		Analyst: <b>LAK</b>
<b>TPH C6-C12</b>	<b>360</b>		<b>96</b>	<b>mg/Kg-dry</b>	40	6/28/2024 01:55 AM
Surr: Cyclooctane	101		65.2-156	%REC	40	6/28/2024 01:55 AM
<b>MOISTURE</b>			<b>SM2540B</b>	Prep: SW3546 6/28/24 16:59		Analyst: <b>CS</b>
<b>Moisture</b>	<b>17</b>			<b>% of sample</b>	1	6/21/2024
<b>SEMI-VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8270C</b>	Prep: SW3546 7/1/24 15:39		Analyst: <b>DTL</b>
1,2,4,5-Tetrachlorobenzene	ND		0.39	mg/Kg-dry	1	7/2/2024 12:02 AM
1,2,4-Trichlorobenzene	ND		0.39	mg/Kg-dry	1	7/2/2024 12:02 AM
1,2-Dichlorobenzene	ND		0.39	mg/Kg-dry	1	7/2/2024 12:02 AM
1,3-Dichlorobenzene	ND		0.39	mg/Kg-dry	1	7/2/2024 12:02 AM
1,3-Dinitrobenzene	ND		0.39	mg/Kg-dry	1	7/2/2024 12:02 AM
1,4-Dichlorobenzene	ND		0.39	mg/Kg-dry	1	7/2/2024 12:02 AM
<b>1-Methylnaphthalene</b>	<b>2.7</b>		<b>0.24</b>	<b>mg/Kg-dry</b>	1	7/2/2024 12:02 AM
1-Naphthylamine	ND		0.39	mg/Kg-dry	1	7/2/2024 12:02 AM
2,3,4,6-Tetrachlorophenol	ND		0.39	mg/Kg-dry	1	7/2/2024 12:02 AM
2,4,5-Trichlorophenol	ND		0.39	mg/Kg-dry	1	7/2/2024 12:02 AM
2,4,6-Trichlorophenol	ND		0.39	mg/Kg-dry	1	7/2/2024 12:02 AM
2,4-Dichlorophenol	ND		0.39	mg/Kg-dry	1	7/2/2024 12:02 AM
2,4-Dimethylphenol	ND		0.39	mg/Kg-dry	1	7/2/2024 12:02 AM
2,4-Dinitrophenol	ND		2.0	mg/Kg-dry	1	7/2/2024 12:02 AM
2,4-Dinitrotoluene	ND		0.39	mg/Kg-dry	1	7/2/2024 12:02 AM
2,6-Dichlorophenol	ND		0.39	mg/Kg-dry	1	7/2/2024 12:02 AM
2,6-Dinitrotoluene	ND		0.39	mg/Kg-dry	1	7/2/2024 12:02 AM
2-Acetylaminofluorene	ND		0.39	mg/Kg-dry	1	7/2/2024 12:02 AM
2-Chloronaphthalene	ND		0.39	mg/Kg-dry	1	7/2/2024 12:02 AM
2-Chlorophenol	ND		0.39	mg/Kg-dry	1	7/2/2024 12:02 AM
<b>2-Methylnaphthalene</b>	<b>4.0</b>		<b>0.24</b>	<b>mg/Kg-dry</b>	1	7/2/2024 12:02 AM
2-Methylphenol	ND		0.39	mg/Kg-dry	1	7/2/2024 12:02 AM
2-Naphthylamine	ND		0.39	mg/Kg-dry	1	7/2/2024 12:02 AM
2-Nitroaniline	ND		2.0	mg/Kg-dry	1	7/2/2024 12:02 AM
2-Nitrophenol	ND		0.39	mg/Kg-dry	1	7/2/2024 12:02 AM
2-Picoline	ND		0.39	mg/Kg-dry	1	7/2/2024 12:02 AM
3&4-Methylphenol	ND		0.39	mg/Kg-dry	1	7/2/2024 12:02 AM

Note:

# ALS Environmental

Date: 08-Jul-24

**Client:** Partners Environmental Consulting, Inc.  
**Project:** Former Leake Oil; 448 E. Taggart St., East Palesti  
**Sample ID:** MW-10 8-10'  
**Collection Date:** 6/18/2024 09:59 AM

**Work Order:** 24060754  
**Lab ID:** 24060754-16  
**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
3,3'-Dichlorobenzidine	ND		0.79	mg/Kg-dry	1	7/2/2024 12:02 AM
3-Methylcholanthrene	ND		0.39	mg/Kg-dry	1	7/2/2024 12:02 AM
3-Nitroaniline	ND		2.0	mg/Kg-dry	1	7/2/2024 12:02 AM
4,6-Dinitro-2-methylphenol	ND		2.0	mg/Kg-dry	1	7/2/2024 12:02 AM
4-Aminobiphenyl	ND		0.79	mg/Kg-dry	1	7/2/2024 12:02 AM
4-Bromophenyl phenyl ether	ND		0.39	mg/Kg-dry	1	7/2/2024 12:02 AM
4-Chloro-3-methylphenol	ND		0.79	mg/Kg-dry	1	7/2/2024 12:02 AM
4-Chloroaniline	ND		0.79	mg/Kg-dry	1	7/2/2024 12:02 AM
4-Chlorophenyl phenyl ether	ND		0.39	mg/Kg-dry	1	7/2/2024 12:02 AM
4-Nitroaniline	ND		0.79	mg/Kg-dry	1	7/2/2024 12:02 AM
4-Nitrophenol	ND		2.0	mg/Kg-dry	1	7/2/2024 12:02 AM
4-Nitroquinoline 1-oxide	ND		2.0	mg/Kg-dry	1	7/2/2024 12:02 AM
5-Nitro-o-toluidine	ND		0.39	mg/Kg-dry	1	7/2/2024 12:02 AM
7,12-Dimethylbenz(a)anthracene	ND		0.39	mg/Kg-dry	1	7/2/2024 12:02 AM
Acenaphthene	ND		0.24	mg/Kg-dry	1	7/2/2024 12:02 AM
Acenaphthylene	ND		0.24	mg/Kg-dry	1	7/2/2024 12:02 AM
Acetophenone	ND		0.39	mg/Kg-dry	1	7/2/2024 12:02 AM
Aniline	ND		0.39	mg/Kg-dry	1	7/2/2024 12:02 AM
Anthracene	ND		0.24	mg/Kg-dry	1	7/2/2024 12:02 AM
Azobenzene	ND		0.39	mg/Kg-dry	1	7/2/2024 12:02 AM
Benzidine	ND		0.39	mg/Kg-dry	1	7/2/2024 12:02 AM
Benzo(a)anthracene	ND		0.12	mg/Kg-dry	1	7/2/2024 12:02 AM
Benzo(a)pyrene	ND		0.12	mg/Kg-dry	1	7/2/2024 12:02 AM
Benzo(b)fluoranthene	ND		0.24	mg/Kg-dry	1	7/2/2024 12:02 AM
Benzo(g,h,i)perylene	ND		0.24	mg/Kg-dry	1	7/2/2024 12:02 AM
Benzo(k)fluoranthene	ND		0.24	mg/Kg-dry	1	7/2/2024 12:02 AM
Benzyl alcohol	ND		0.79	mg/Kg-dry	1	7/2/2024 12:02 AM
Bis(2-chloroethoxy)methane	ND		0.39	mg/Kg-dry	1	7/2/2024 12:02 AM
Bis(2-chloroethyl)ether	ND		0.39	mg/Kg-dry	1	7/2/2024 12:02 AM
Bis(2-chloroisopropyl)ether	ND		0.39	mg/Kg-dry	1	7/2/2024 12:02 AM
Bis(2-ethylhexyl)phthalate	ND		0.39	mg/Kg-dry	1	7/2/2024 12:02 AM
Butyl benzyl phthalate	ND		0.39	mg/Kg-dry	1	7/2/2024 12:02 AM
Carbazole	ND		0.24	mg/Kg-dry	1	7/2/2024 12:02 AM
Chrysene	ND		0.24	mg/Kg-dry	1	7/2/2024 12:02 AM
Dibenzo(a,h)anthracene	ND		0.12	mg/Kg-dry	1	7/2/2024 12:02 AM
Dibenzofuran	ND		0.24	mg/Kg-dry	1	7/2/2024 12:02 AM
Diethyl phthalate	ND		0.39	mg/Kg-dry	1	7/2/2024 12:02 AM
Dimethyl phthalate	ND		0.39	mg/Kg-dry	1	7/2/2024 12:02 AM
Di-n-butyl phthalate	ND		0.39	mg/Kg-dry	1	7/2/2024 12:02 AM
Di-n-octyl phthalate	ND		0.39	mg/Kg-dry	1	7/2/2024 12:02 AM

Note:

# ALS Environmental

Date: 08-Jul-24

**Client:** Partners Environmental Consulting, Inc.  
**Project:** Former Leake Oil; 448 E. Taggart St., East Palesti  
**Sample ID:** MW-10 8-10'  
**Collection Date:** 6/18/2024 09:59 AM

**Work Order:** 24060754  
**Lab ID:** 24060754-16  
**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Dinoseb	ND		0.39	mg/Kg-dry	1	7/2/2024 12:02 AM
Diphenylamine	ND		0.39	mg/Kg-dry	1	7/2/2024 12:02 AM
Ethyl methanesulfonate	ND		0.39	mg/Kg-dry	1	7/2/2024 12:02 AM
Fluoranthene	ND		0.24	mg/Kg-dry	1	7/2/2024 12:02 AM
Fluorene	ND		0.24	mg/Kg-dry	1	7/2/2024 12:02 AM
Hexachlorobenzene	ND		0.39	mg/Kg-dry	1	7/2/2024 12:02 AM
Hexachlorobutadiene	ND		0.39	mg/Kg-dry	1	7/2/2024 12:02 AM
Hexachlorocyclopentadiene	ND		0.39	mg/Kg-dry	1	7/2/2024 12:02 AM
Hexachloroethane	ND		0.39	mg/Kg-dry	1	7/2/2024 12:02 AM
Indeno(1,2,3-cd)pyrene	ND		0.12	mg/Kg-dry	1	7/2/2024 12:02 AM
Isophorone	ND		0.39	mg/Kg-dry	1	7/2/2024 12:02 AM
Isosafrole	ND		0.39	mg/Kg-dry	1	7/2/2024 12:02 AM
Methapyrilene	ND		2.0	mg/Kg-dry	1	7/2/2024 12:02 AM
Methyl methanesulfonate	ND		0.39	mg/Kg-dry	1	7/2/2024 12:02 AM
<b>Naphthalene</b>	<b>1.7</b>		<b>0.24</b>	<b>mg/Kg-dry</b>	1	7/2/2024 12:02 AM
Nitrobenzene	ND		0.39	mg/Kg-dry	1	7/2/2024 12:02 AM
N-Nitrosodiethylamine	ND		0.39	mg/Kg-dry	1	7/2/2024 12:02 AM
N-Nitrosodimethylamine	ND		0.39	mg/Kg-dry	1	7/2/2024 12:02 AM
N-Nitroso-di-n-butylamine	ND		0.39	mg/Kg-dry	1	7/2/2024 12:02 AM
N-Nitrosodi-n-propylamine	ND		0.39	mg/Kg-dry	1	7/2/2024 12:02 AM
N-Nitrosomethylethylamine	ND		0.39	mg/Kg-dry	1	7/2/2024 12:02 AM
N-Nitrosomorpholine	ND		0.39	mg/Kg-dry	1	7/2/2024 12:02 AM
N-Nitrosopiperidine	ND		0.39	mg/Kg-dry	1	7/2/2024 12:02 AM
N-Nitrosopyrrolidine	ND		0.39	mg/Kg-dry	1	7/2/2024 12:02 AM
o-Toluidine	ND		2.0	mg/Kg-dry	1	7/2/2024 12:02 AM
p-Dimethylaminoazobenzene	ND		0.39	mg/Kg-dry	1	7/2/2024 12:02 AM
Pentachlorobenzene	ND		0.39	mg/Kg-dry	1	7/2/2024 12:02 AM
Pentachloroethane	ND		0.39	mg/Kg-dry	1	7/2/2024 12:02 AM
Pentachloronitrobenzene	ND		0.79	mg/Kg-dry	1	7/2/2024 12:02 AM
Pentachlorophenol	ND		2.0	mg/Kg-dry	1	7/2/2024 12:02 AM
Phenacetin	ND		0.79	mg/Kg-dry	1	7/2/2024 12:02 AM
<b>Phenanthrene</b>	<b>0.70</b>		<b>0.24</b>	<b>mg/Kg-dry</b>	1	7/2/2024 12:02 AM
Phenol	ND		0.39	mg/Kg-dry	1	7/2/2024 12:02 AM
Pyrene	ND		0.24	mg/Kg-dry	1	7/2/2024 12:02 AM
Pyridine	ND		0.39	mg/Kg-dry	1	7/2/2024 12:02 AM
Safrole	ND		0.39	mg/Kg-dry	1	7/2/2024 12:02 AM
Surr: 2,4,6-Tribromophenol	85.8		14.2-136	%REC	1	7/2/2024 12:02 AM
Surr: 2-Fluorobiphenyl	74.7		30-116	%REC	1	7/2/2024 12:02 AM
Surr: 2-Fluorophenol	72.4		5.42-113	%REC	1	7/2/2024 12:02 AM
Surr: 4-Terphenyl-d14	76.1		27.3-138	%REC	1	7/2/2024 12:02 AM

Note:

# ALS Environmental

Date: 08-Jul-24

**Client:** Partners Environmental Consulting, Inc.  
**Project:** Former Leake Oil; 448 E. Taggart St., East Palesti  
**Sample ID:** MW-10 8-10'  
**Collection Date:** 6/18/2024 09:59 AM

**Work Order:** 24060754  
**Lab ID:** 24060754-16  
**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Surr: Nitrobenzene-d5	71.6		23.7-109	%REC	1	7/2/2024 12:02 AM
Surr: Phenol-d6	80.6		13.8-108	%REC	1	7/2/2024 12:02 AM
<b>VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8260B</b>		<b>Analyst: RA</b>	
1,1,1,2-Tetrachloroethane	ND		0.030	mg/Kg-dry	5	6/25/2024 12:32 PM
1,1,1-Trichloroethane	ND		0.030	mg/Kg-dry	5	6/25/2024 12:32 PM
1,1,2,2-Tetrachloroethane	ND		0.030	mg/Kg-dry	5	6/25/2024 12:32 PM
1,1,2-Trichloroethane	ND		0.030	mg/Kg-dry	5	6/25/2024 12:32 PM
1,1-Dichloroethane	ND		0.030	mg/Kg-dry	5	6/25/2024 12:32 PM
1,1-Dichloroethene	ND		0.030	mg/Kg-dry	5	6/25/2024 12:32 PM
1,1-Dichloropropene	ND		0.030	mg/Kg-dry	5	6/25/2024 12:32 PM
1,2,3-Trichlorobenzene	ND		0.030	mg/Kg-dry	5	6/25/2024 12:32 PM
1,2,3-Trichloropropane	ND		0.030	mg/Kg-dry	5	6/25/2024 12:32 PM
1,2,4-Trichlorobenzene	ND		0.030	mg/Kg-dry	5	6/25/2024 12:32 PM
<b>1,2,4-Trimethylbenzene</b>	<b>14</b>		<b>0.030</b>	<b>mg/Kg-dry</b>	<b>100</b>	6/26/2024 12:31 PM
1,2-Dibromo-3-chloropropane	ND		0.030	mg/Kg-dry	5	6/25/2024 12:32 PM
1,2-Dibromoethane	ND		0.030	mg/Kg-dry	5	6/25/2024 12:32 PM
1,2-Dichlorobenzene	ND		0.030	mg/Kg-dry	5	6/25/2024 12:32 PM
1,2-Dichloroethane	ND		0.030	mg/Kg-dry	5	6/25/2024 12:32 PM
1,2-Dichloropropane	ND		0.030	mg/Kg-dry	5	6/25/2024 12:32 PM
<b>1,3,5-Trimethylbenzene</b>	<b>0.76</b>		<b>0.030</b>	<b>mg/Kg-dry</b>	<b>5</b>	6/25/2024 12:32 PM
1,3-Dichlorobenzene	ND		0.030	mg/Kg-dry	5	6/25/2024 12:32 PM
1,3-Dichloropropane	ND		0.030	mg/Kg-dry	5	6/25/2024 12:32 PM
1,4-Dichlorobenzene	ND		0.030	mg/Kg-dry	5	6/25/2024 12:32 PM
2,2-Dichloropropane	ND		0.030	mg/Kg-dry	5	6/25/2024 12:32 PM
2-Butanone	ND		0.30	mg/Kg-dry	5	6/25/2024 12:32 PM
2-Chlorotoluene	ND		0.030	mg/Kg-dry	5	6/25/2024 12:32 PM
2-Hexanone	ND		0.030	mg/Kg-dry	5	6/25/2024 12:32 PM
4-Chlorotoluene	ND		0.030	mg/Kg-dry	5	6/25/2024 12:32 PM
4-Methyl-2-pentanone	ND		0.030	mg/Kg-dry	5	6/25/2024 12:32 PM
Acetone	ND		0.30	mg/Kg-dry	5	6/25/2024 12:32 PM
Benzene	ND		0.030	mg/Kg-dry	5	6/25/2024 12:32 PM
Bromobenzene	ND		0.030	mg/Kg-dry	5	6/25/2024 12:32 PM
Bromochloromethane	ND		0.030	mg/Kg-dry	5	6/25/2024 12:32 PM
Bromodichloromethane	ND		0.030	mg/Kg-dry	5	6/25/2024 12:32 PM
Bromoform	ND		0.030	mg/Kg-dry	5	6/25/2024 12:32 PM
Bromomethane	ND		0.030	mg/Kg-dry	5	6/25/2024 12:32 PM
Carbon disulfide	ND		0.030	mg/Kg-dry	5	6/25/2024 12:32 PM
Carbon tetrachloride	ND		0.030	mg/Kg-dry	5	6/25/2024 12:32 PM
Chlorobenzene	ND		0.030	mg/Kg-dry	5	6/25/2024 12:32 PM
Chloroethane	ND		0.030	mg/Kg-dry	5	6/25/2024 12:32 PM

Note:

# ALS Environmental

Date: 08-Jul-24

**Client:** Partners Environmental Consulting, Inc.  
**Project:** Former Leake Oil; 448 E. Taggart St., East Palesti  
**Sample ID:** MW-10 8-10'  
**Collection Date:** 6/18/2024 09:59 AM

**Work Order:** 24060754  
**Lab ID:** 24060754-16  
**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Chloroform	ND		0.030	mg/Kg-dry	5	6/25/2024 12:32 PM
Chloromethane	ND		0.030	mg/Kg-dry	5	6/25/2024 12:32 PM
cis-1,2-Dichloroethene	ND		0.030	mg/Kg-dry	5	6/25/2024 12:32 PM
cis-1,3-Dichloropropene	ND		0.030	mg/Kg-dry	5	6/25/2024 12:32 PM
Dibromochloromethane	ND		0.030	mg/Kg-dry	5	6/25/2024 12:32 PM
Dibromomethane	ND		0.030	mg/Kg-dry	5	6/25/2024 12:32 PM
Dichlorodifluoromethane	ND		0.030	mg/Kg-dry	5	6/25/2024 12:32 PM
<b>Ethylbenzene</b>	<b>0.53</b>		<b>0.030</b>	<b>mg/Kg-dry</b>	5	6/25/2024 12:32 PM
Hexachlorobutadiene	ND		0.030	mg/Kg-dry	5	6/25/2024 12:32 PM
<b>Isopropylbenzene</b>	<b>0.090</b>		<b>0.030</b>	<b>mg/Kg-dry</b>	5	6/25/2024 12:32 PM
<b>m,p-Xylene</b>	<b>2.3</b>		<b>0.060</b>	<b>mg/Kg-dry</b>	5	6/25/2024 12:32 PM
Methyl tert-butyl ether	ND		0.030	mg/Kg-dry	5	6/25/2024 12:32 PM
Methylene chloride	ND		0.12	mg/Kg-dry	5	6/25/2024 12:32 PM
<b>Naphthalene</b>	<b>0.62</b>		<b>0.030</b>	<b>mg/Kg-dry</b>	5	6/25/2024 12:32 PM
<b>n-Butylbenzene</b>	<b>0.11</b>		<b>0.030</b>	<b>mg/Kg-dry</b>	5	6/25/2024 12:32 PM
<b>n-Propylbenzene</b>	<b>0.32</b>		<b>0.030</b>	<b>mg/Kg-dry</b>	5	6/25/2024 12:32 PM
<b>o-Xylene</b>	<b>0.047</b>		<b>0.030</b>	<b>mg/Kg-dry</b>	5	6/25/2024 12:32 PM
<b>p-Isopropyltoluene</b>	<b>0.11</b>		<b>0.030</b>	<b>mg/Kg-dry</b>	5	6/25/2024 12:32 PM
<b>sec-Butylbenzene</b>	<b>0.043</b>		<b>0.030</b>	<b>mg/Kg-dry</b>	5	6/25/2024 12:32 PM
Styrene	ND		0.030	mg/Kg-dry	5	6/25/2024 12:32 PM
tert-Butylbenzene	ND		0.030	mg/Kg-dry	5	6/25/2024 12:32 PM
Tetrachloroethene	ND		0.030	mg/Kg-dry	5	6/25/2024 12:32 PM
Toluene	ND		0.030	mg/Kg-dry	5	6/25/2024 12:32 PM
trans-1,2-Dichloroethene	ND		0.030	mg/Kg-dry	5	6/25/2024 12:32 PM
trans-1,3-Dichloropropene	ND		0.030	mg/Kg-dry	5	6/25/2024 12:32 PM
Trichloroethene	ND		0.030	mg/Kg-dry	5	6/25/2024 12:32 PM
Trichlorofluoromethane	ND		0.030	mg/Kg-dry	5	6/25/2024 12:32 PM
Vinyl chloride	ND		0.030	mg/Kg-dry	5	6/25/2024 12:32 PM
<b>Xylenes, Total</b>	<b>2.3</b>		<b>0.090</b>	<b>mg/Kg-dry</b>	5	6/25/2024 12:32 PM
Surr: 4-Bromofluorobenzene	105		78.9-128	%REC	5	6/25/2024 12:32 PM
Surr: Dibromofluoromethane	97.6		79.1-140	%REC	5	6/25/2024 12:32 PM
Surr: Toluene-d8	99.6		84.5-124	%REC	5	6/25/2024 12:32 PM

Note:

# ALS Environmental

Date: 08-Jul-24

**Client:** Partners Environmental Consulting, Inc.  
**Project:** Former Leake Oil; 448 E. Taggart St., East Palesti  
**Sample ID:** MW-11 0-2'  
**Collection Date:** 6/18/2024 10:32 AM

**Work Order:** 24060754  
**Lab ID:** 24060754-17  
**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>DIESEL RANGE ORGANICS AND OIL RANGE ORGANICS</b>			<b>SW8015B</b>	Prep: SW3546 6/28/24 16:59		Analyst: <b>TME</b>
TPH C10-C20	ND		15	mg/Kg-dry	1	7/1/2024 07:54 PM
TPH C20-C34	ND		15	mg/Kg-dry	1	7/1/2024 07:54 PM
Surr: Nonane	54.6		13.1-113	%REC	1	7/1/2024 07:54 PM
Surr: Pentacosane	54.5		28.2-111	%REC	1	7/1/2024 07:54 PM
<b>GASOLINE RANGE ORGANICS (C6-C12)</b>			<b>SW8015A</b>			Analyst: <b>LAK</b>
TPH C6-C12	ND		2.2	mg/Kg-dry	1	6/28/2024 02:21 AM
Surr: Cyclooctane	91.5		65.2-156	%REC	1	6/28/2024 02:21 AM
<b>MOISTURE</b>			<b>SM2540B</b>			Analyst: <b>CS</b>
Moisture	9.5			% of sample	1	6/21/2024
<b>SEMI-VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8270C</b>	Prep: SW3546 7/1/24 15:39		Analyst: <b>DTL</b>
1,2,4,5-Tetrachlorobenzene	ND		0.36	mg/Kg-dry	1	7/2/2024 12:19 AM
1,2,4-Trichlorobenzene	ND		0.36	mg/Kg-dry	1	7/2/2024 12:19 AM
1,2-Dichlorobenzene	ND		0.36	mg/Kg-dry	1	7/2/2024 12:19 AM
1,3-Dichlorobenzene	ND		0.36	mg/Kg-dry	1	7/2/2024 12:19 AM
1,3-Dinitrobenzene	ND		0.36	mg/Kg-dry	1	7/2/2024 12:19 AM
1,4-Dichlorobenzene	ND		0.36	mg/Kg-dry	1	7/2/2024 12:19 AM
1-Methylnaphthalene	ND		0.22	mg/Kg-dry	1	7/2/2024 12:19 AM
1-Naphthylamine	ND		0.36	mg/Kg-dry	1	7/2/2024 12:19 AM
2,3,4,6-Tetrachlorophenol	ND		0.36	mg/Kg-dry	1	7/2/2024 12:19 AM
2,4,5-Trichlorophenol	ND		0.36	mg/Kg-dry	1	7/2/2024 12:19 AM
2,4,6-Trichlorophenol	ND		0.36	mg/Kg-dry	1	7/2/2024 12:19 AM
2,4-Dichlorophenol	ND		0.36	mg/Kg-dry	1	7/2/2024 12:19 AM
2,4-Dimethylphenol	ND		0.36	mg/Kg-dry	1	7/2/2024 12:19 AM
2,4-Dinitrophenol	ND		1.8	mg/Kg-dry	1	7/2/2024 12:19 AM
2,4-Dinitrotoluene	ND		0.36	mg/Kg-dry	1	7/2/2024 12:19 AM
2,6-Dichlorophenol	ND		0.36	mg/Kg-dry	1	7/2/2024 12:19 AM
2,6-Dinitrotoluene	ND		0.36	mg/Kg-dry	1	7/2/2024 12:19 AM
2-Acetylaminofluorene	ND		0.36	mg/Kg-dry	1	7/2/2024 12:19 AM
2-Chloronaphthalene	ND		0.36	mg/Kg-dry	1	7/2/2024 12:19 AM
2-Chlorophenol	ND		0.36	mg/Kg-dry	1	7/2/2024 12:19 AM
2-Methylnaphthalene	ND		0.22	mg/Kg-dry	1	7/2/2024 12:19 AM
2-Methylphenol	ND		0.36	mg/Kg-dry	1	7/2/2024 12:19 AM
2-Naphthylamine	ND		0.36	mg/Kg-dry	1	7/2/2024 12:19 AM
2-Nitroaniline	ND		1.8	mg/Kg-dry	1	7/2/2024 12:19 AM
2-Nitrophenol	ND		0.36	mg/Kg-dry	1	7/2/2024 12:19 AM
2-Picoline	ND		0.36	mg/Kg-dry	1	7/2/2024 12:19 AM
3&4-Methylphenol	ND		0.36	mg/Kg-dry	1	7/2/2024 12:19 AM

Note:

# ALS Environmental

Date: 08-Jul-24

Client: Partners Environmental Consulting, Inc.  
 Project: Former Leake Oil; 448 E. Taggart St., East Palesti  
 Sample ID: MW-11 0-2'  
 Collection Date: 6/18/2024 10:32 AM

Work Order: 24060754  
 Lab ID: 24060754-17  
 Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
3,3'-Dichlorobenzidine	ND		0.73	mg/Kg-dry	1	7/2/2024 12:19 AM
3-Methylcholanthrene	ND		0.36	mg/Kg-dry	1	7/2/2024 12:19 AM
3-Nitroaniline	ND		1.8	mg/Kg-dry	1	7/2/2024 12:19 AM
4,6-Dinitro-2-methylphenol	ND		1.8	mg/Kg-dry	1	7/2/2024 12:19 AM
4-Aminobiphenyl	ND		0.73	mg/Kg-dry	1	7/2/2024 12:19 AM
4-Bromophenyl phenyl ether	ND		0.36	mg/Kg-dry	1	7/2/2024 12:19 AM
4-Chloro-3-methylphenol	ND		0.73	mg/Kg-dry	1	7/2/2024 12:19 AM
4-Chloroaniline	ND		0.73	mg/Kg-dry	1	7/2/2024 12:19 AM
4-Chlorophenyl phenyl ether	ND		0.36	mg/Kg-dry	1	7/2/2024 12:19 AM
4-Nitroaniline	ND		0.73	mg/Kg-dry	1	7/2/2024 12:19 AM
4-Nitrophenol	ND		1.8	mg/Kg-dry	1	7/2/2024 12:19 AM
4-Nitroquinoline 1-oxide	ND		1.8	mg/Kg-dry	1	7/2/2024 12:19 AM
5-Nitro-o-toluidine	ND		0.36	mg/Kg-dry	1	7/2/2024 12:19 AM
7,12-Dimethylbenz(a)anthracene	ND		0.36	mg/Kg-dry	1	7/2/2024 12:19 AM
Acenaphthene	ND		0.22	mg/Kg-dry	1	7/2/2024 12:19 AM
Acenaphthylene	ND		0.22	mg/Kg-dry	1	7/2/2024 12:19 AM
Acetophenone	ND		0.36	mg/Kg-dry	1	7/2/2024 12:19 AM
Aniline	ND		0.36	mg/Kg-dry	1	7/2/2024 12:19 AM
Anthracene	ND		0.22	mg/Kg-dry	1	7/2/2024 12:19 AM
Azobenzene	ND		0.36	mg/Kg-dry	1	7/2/2024 12:19 AM
Benzidine	ND		0.36	mg/Kg-dry	1	7/2/2024 12:19 AM
Benzo(a)anthracene	ND		0.11	mg/Kg-dry	1	7/2/2024 12:19 AM
Benzo(a)pyrene	ND		0.11	mg/Kg-dry	1	7/2/2024 12:19 AM
Benzo(b)fluoranthene	ND		0.22	mg/Kg-dry	1	7/2/2024 12:19 AM
Benzo(g,h,i)perylene	ND		0.22	mg/Kg-dry	1	7/2/2024 12:19 AM
Benzo(k)fluoranthene	ND		0.22	mg/Kg-dry	1	7/2/2024 12:19 AM
Benzyl alcohol	ND		0.73	mg/Kg-dry	1	7/2/2024 12:19 AM
Bis(2-chloroethoxy)methane	ND		0.36	mg/Kg-dry	1	7/2/2024 12:19 AM
Bis(2-chloroethyl)ether	ND		0.36	mg/Kg-dry	1	7/2/2024 12:19 AM
Bis(2-chloroisopropyl)ether	ND		0.36	mg/Kg-dry	1	7/2/2024 12:19 AM
Bis(2-ethylhexyl)phthalate	ND		0.36	mg/Kg-dry	1	7/2/2024 12:19 AM
Butyl benzyl phthalate	ND		0.36	mg/Kg-dry	1	7/2/2024 12:19 AM
Carbazole	ND		0.22	mg/Kg-dry	1	7/2/2024 12:19 AM
Chrysene	ND		0.22	mg/Kg-dry	1	7/2/2024 12:19 AM
Dibenzo(a,h)anthracene	ND		0.11	mg/Kg-dry	1	7/2/2024 12:19 AM
Dibenzofuran	ND		0.22	mg/Kg-dry	1	7/2/2024 12:19 AM
Diethyl phthalate	ND		0.36	mg/Kg-dry	1	7/2/2024 12:19 AM
Dimethyl phthalate	ND		0.36	mg/Kg-dry	1	7/2/2024 12:19 AM
Di-n-butyl phthalate	ND		0.36	mg/Kg-dry	1	7/2/2024 12:19 AM
Di-n-octyl phthalate	ND		0.36	mg/Kg-dry	1	7/2/2024 12:19 AM

Note:



# ALS Environmental

Date: 08-Jul-24

**Client:** Partners Environmental Consulting, Inc.  
**Project:** Former Leake Oil; 448 E. Taggart St., East Palesti  
**Sample ID:** MW-11 0-2'  
**Collection Date:** 6/18/2024 10:32 AM

**Work Order:** 24060754  
**Lab ID:** 24060754-17  
**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Dinoseb	ND		0.36	mg/Kg-dry	1	7/2/2024 12:19 AM
Diphenylamine	ND		0.36	mg/Kg-dry	1	7/2/2024 12:19 AM
Ethyl methanesulfonate	ND		0.36	mg/Kg-dry	1	7/2/2024 12:19 AM
Fluoranthene	ND		0.22	mg/Kg-dry	1	7/2/2024 12:19 AM
Fluorene	ND		0.22	mg/Kg-dry	1	7/2/2024 12:19 AM
Hexachlorobenzene	ND		0.36	mg/Kg-dry	1	7/2/2024 12:19 AM
Hexachlorobutadiene	ND		0.36	mg/Kg-dry	1	7/2/2024 12:19 AM
Hexachlorocyclopentadiene	ND		0.36	mg/Kg-dry	1	7/2/2024 12:19 AM
Hexachloroethane	ND		0.36	mg/Kg-dry	1	7/2/2024 12:19 AM
Indeno(1,2,3-cd)pyrene	ND		0.11	mg/Kg-dry	1	7/2/2024 12:19 AM
Isophorone	ND		0.36	mg/Kg-dry	1	7/2/2024 12:19 AM
Isosafrole	ND		0.36	mg/Kg-dry	1	7/2/2024 12:19 AM
Methapyrilene	ND		1.8	mg/Kg-dry	1	7/2/2024 12:19 AM
Methyl methanesulfonate	ND		0.36	mg/Kg-dry	1	7/2/2024 12:19 AM
Naphthalene	ND		0.22	mg/Kg-dry	1	7/2/2024 12:19 AM
Nitrobenzene	ND		0.36	mg/Kg-dry	1	7/2/2024 12:19 AM
N-Nitrosodiethylamine	ND		0.36	mg/Kg-dry	1	7/2/2024 12:19 AM
N-Nitrosodimethylamine	ND		0.36	mg/Kg-dry	1	7/2/2024 12:19 AM
N-Nitroso-di-n-butylamine	ND		0.36	mg/Kg-dry	1	7/2/2024 12:19 AM
N-Nitrosodi-n-propylamine	ND		0.36	mg/Kg-dry	1	7/2/2024 12:19 AM
N-Nitrosomethylethylamine	ND		0.36	mg/Kg-dry	1	7/2/2024 12:19 AM
N-Nitrosomorpholine	ND		0.36	mg/Kg-dry	1	7/2/2024 12:19 AM
N-Nitrosopiperidine	ND		0.36	mg/Kg-dry	1	7/2/2024 12:19 AM
N-Nitrosopyrrolidine	ND		0.36	mg/Kg-dry	1	7/2/2024 12:19 AM
o-Toluidine	ND		1.8	mg/Kg-dry	1	7/2/2024 12:19 AM
p-Dimethylaminoazobenzene	ND		0.36	mg/Kg-dry	1	7/2/2024 12:19 AM
Pentachlorobenzene	ND		0.36	mg/Kg-dry	1	7/2/2024 12:19 AM
Pentachloroethane	ND		0.36	mg/Kg-dry	1	7/2/2024 12:19 AM
Pentachloronitrobenzene	ND		0.73	mg/Kg-dry	1	7/2/2024 12:19 AM
Pentachlorophenol	ND		1.8	mg/Kg-dry	1	7/2/2024 12:19 AM
Phenacetin	ND		0.73	mg/Kg-dry	1	7/2/2024 12:19 AM
Phenanthrene	ND		0.22	mg/Kg-dry	1	7/2/2024 12:19 AM
Phenol	ND		0.36	mg/Kg-dry	1	7/2/2024 12:19 AM
Pyrene	ND		0.22	mg/Kg-dry	1	7/2/2024 12:19 AM
Pyridine	ND		0.36	mg/Kg-dry	1	7/2/2024 12:19 AM
Safrole	ND		0.36	mg/Kg-dry	1	7/2/2024 12:19 AM
Surr: 2,4,6-Tribromophenol	73.6		14.2-136	%REC	1	7/2/2024 12:19 AM
Surr: 2-Fluorobiphenyl	65.5		30-116	%REC	1	7/2/2024 12:19 AM
Surr: 2-Fluorophenol	62.0		5.42-113	%REC	1	7/2/2024 12:19 AM
Surr: 4-Terphenyl-d14	65.5		27.3-138	%REC	1	7/2/2024 12:19 AM

Note:

# ALS Environmental

Date: 08-Jul-24

**Client:** Partners Environmental Consulting, Inc.  
**Project:** Former Leake Oil; 448 E. Taggart St., East Palesti  
**Sample ID:** MW-11 0-2'  
**Collection Date:** 6/18/2024 10:32 AM

**Work Order:** 24060754  
**Lab ID:** 24060754-17  
**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Surr: Nitrobenzene-d5	60.9		23.7-109	%REC	1	7/2/2024 12:19 AM
Surr: Phenol-d6	66.0		13.8-108	%REC	1	7/2/2024 12:19 AM

## VOLATILE ORGANIC COMPOUNDS

SW8260B

Analyst: RA

1,1,1,2-Tetrachloroethane	ND		0.0055	mg/Kg-dry	1	6/25/2024 12:49 PM
1,1,1-Trichloroethane	ND		0.0055	mg/Kg-dry	1	6/25/2024 12:49 PM
1,1,2,2-Tetrachloroethane	ND		0.0055	mg/Kg-dry	1	6/25/2024 12:49 PM
1,1,2-Trichloroethane	ND		0.0055	mg/Kg-dry	1	6/25/2024 12:49 PM
1,1-Dichloroethane	ND		0.0055	mg/Kg-dry	1	6/25/2024 12:49 PM
1,1-Dichloroethene	ND		0.0055	mg/Kg-dry	1	6/25/2024 12:49 PM
1,1-Dichloropropene	ND		0.0055	mg/Kg-dry	1	6/25/2024 12:49 PM
1,2,3-Trichlorobenzene	ND		0.0055	mg/Kg-dry	1	6/25/2024 12:49 PM
1,2,3-Trichloropropane	ND		0.0055	mg/Kg-dry	1	6/25/2024 12:49 PM
1,2,4-Trichlorobenzene	ND		0.0055	mg/Kg-dry	1	6/25/2024 12:49 PM
1,2,4-Trimethylbenzene	ND		0.0055	mg/Kg-dry	1	6/25/2024 12:49 PM
1,2-Dibromo-3-chloropropane	ND		0.0055	mg/Kg-dry	1	6/25/2024 12:49 PM
1,2-Dibromoethane	ND		0.0055	mg/Kg-dry	1	6/25/2024 12:49 PM
1,2-Dichlorobenzene	ND		0.0055	mg/Kg-dry	1	6/25/2024 12:49 PM
1,2-Dichloroethane	ND		0.0055	mg/Kg-dry	1	6/25/2024 12:49 PM
1,2-Dichloropropane	ND		0.0055	mg/Kg-dry	1	6/25/2024 12:49 PM
1,3,5-Trimethylbenzene	ND		0.0055	mg/Kg-dry	1	6/25/2024 12:49 PM
1,3-Dichlorobenzene	ND		0.0055	mg/Kg-dry	1	6/25/2024 12:49 PM
1,3-Dichloropropane	ND		0.0055	mg/Kg-dry	1	6/25/2024 12:49 PM
1,4-Dichlorobenzene	ND		0.0055	mg/Kg-dry	1	6/25/2024 12:49 PM
2,2-Dichloropropane	ND		0.0055	mg/Kg-dry	1	6/25/2024 12:49 PM
2-Butanone	ND		0.055	mg/Kg-dry	1	6/25/2024 12:49 PM
2-Chlorotoluene	ND		0.0055	mg/Kg-dry	1	6/25/2024 12:49 PM
2-Hexanone	ND		0.0055	mg/Kg-dry	1	6/25/2024 12:49 PM
4-Chlorotoluene	ND		0.0055	mg/Kg-dry	1	6/25/2024 12:49 PM
4-Methyl-2-pentanone	ND		0.0055	mg/Kg-dry	1	6/25/2024 12:49 PM
Acetone	ND		0.055	mg/Kg-dry	1	6/25/2024 12:49 PM
Benzene	ND		0.0055	mg/Kg-dry	1	6/25/2024 12:49 PM
Bromobenzene	ND		0.0055	mg/Kg-dry	1	6/25/2024 12:49 PM
Bromochloromethane	ND		0.0055	mg/Kg-dry	1	6/25/2024 12:49 PM
Bromodichloromethane	ND		0.0055	mg/Kg-dry	1	6/25/2024 12:49 PM
Bromoform	ND		0.0055	mg/Kg-dry	1	6/25/2024 12:49 PM
Bromomethane	ND		0.0055	mg/Kg-dry	1	6/25/2024 12:49 PM
Carbon disulfide	ND		0.0055	mg/Kg-dry	1	6/25/2024 12:49 PM
Carbon tetrachloride	ND		0.0055	mg/Kg-dry	1	6/25/2024 12:49 PM
Chlorobenzene	ND		0.0055	mg/Kg-dry	1	6/25/2024 12:49 PM
Chloroethane	ND		0.0055	mg/Kg-dry	1	6/25/2024 12:49 PM

Note:

# ALS Environmental

Date: 08-Jul-24

**Client:** Partners Environmental Consulting, Inc.  
**Project:** Former Leake Oil; 448 E. Taggart St., East Palesti  
**Sample ID:** MW-11 0-2'  
**Collection Date:** 6/18/2024 10:32 AM

**Work Order:** 24060754  
**Lab ID:** 24060754-17  
**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Chloroform	ND		0.0055	mg/Kg-dry	1	6/25/2024 12:49 PM
Chloromethane	ND		0.0055	mg/Kg-dry	1	6/25/2024 12:49 PM
cis-1,2-Dichloroethene	ND		0.0055	mg/Kg-dry	1	6/25/2024 12:49 PM
cis-1,3-Dichloropropene	ND		0.0055	mg/Kg-dry	1	6/25/2024 12:49 PM
Dibromochloromethane	ND		0.0055	mg/Kg-dry	1	6/25/2024 12:49 PM
Dibromomethane	ND		0.0055	mg/Kg-dry	1	6/25/2024 12:49 PM
Dichlorodifluoromethane	ND		0.0055	mg/Kg-dry	1	6/25/2024 12:49 PM
Ethylbenzene	ND		0.0055	mg/Kg-dry	1	6/25/2024 12:49 PM
Hexachlorobutadiene	ND		0.0055	mg/Kg-dry	1	6/25/2024 12:49 PM
Isopropylbenzene	ND		0.0055	mg/Kg-dry	1	6/25/2024 12:49 PM
m,p-Xylene	ND		0.011	mg/Kg-dry	1	6/25/2024 12:49 PM
Methyl tert-butyl ether	ND		0.0055	mg/Kg-dry	1	6/25/2024 12:49 PM
Methylene chloride	ND		0.022	mg/Kg-dry	1	6/25/2024 12:49 PM
Naphthalene	ND		0.0055	mg/Kg-dry	1	6/25/2024 12:49 PM
n-Butylbenzene	ND		0.0055	mg/Kg-dry	1	6/25/2024 12:49 PM
n-Propylbenzene	ND		0.0055	mg/Kg-dry	1	6/25/2024 12:49 PM
o-Xylene	ND		0.0055	mg/Kg-dry	1	6/25/2024 12:49 PM
p-Isopropyltoluene	ND		0.0055	mg/Kg-dry	1	6/25/2024 12:49 PM
sec-Butylbenzene	ND		0.0055	mg/Kg-dry	1	6/25/2024 12:49 PM
Styrene	ND		0.0055	mg/Kg-dry	1	6/25/2024 12:49 PM
tert-Butylbenzene	ND		0.0055	mg/Kg-dry	1	6/25/2024 12:49 PM
Tetrachloroethene	ND		0.0055	mg/Kg-dry	1	6/25/2024 12:49 PM
Toluene	ND		0.0055	mg/Kg-dry	1	6/25/2024 12:49 PM
trans-1,2-Dichloroethene	ND		0.0055	mg/Kg-dry	1	6/25/2024 12:49 PM
trans-1,3-Dichloropropene	ND		0.0055	mg/Kg-dry	1	6/25/2024 12:49 PM
Trichloroethene	ND		0.0055	mg/Kg-dry	1	6/25/2024 12:49 PM
Trichlorofluoromethane	ND		0.0055	mg/Kg-dry	1	6/25/2024 12:49 PM
Vinyl chloride	ND		0.0055	mg/Kg-dry	1	6/25/2024 12:49 PM
Xylenes, Total	ND		0.017	mg/Kg-dry	1	6/25/2024 12:49 PM
Surr: 4-Bromofluorobenzene	103		78.9-128	%REC	1	6/25/2024 12:49 PM
Surr: Dibromofluoromethane	108		79.1-140	%REC	1	6/25/2024 12:49 PM
Surr: Toluene-d8	103		84.5-124	%REC	1	6/25/2024 12:49 PM

Note:

# ALS Environmental

Date: 08-Jul-24

**Client:** Partners Environmental Consulting, Inc.  
**Project:** Former Leake Oil; 448 E. Taggart St., East Palesti  
**Sample ID:** MW-11 8-10'  
**Collection Date:** 6/18/2024 10:32 AM

**Work Order:** 24060754  
**Lab ID:** 24060754-18  
**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>DIESEL RANGE ORGANICS AND OIL RANGE ORGANICS</b>			<b>SW8015B</b>	Prep: SW3546 6/28/24 16:59		Analyst: <b>TME</b>
TPH C10-C20	ND		16	mg/Kg-dry	1	7/1/2024 08:13 PM
TPH C20-C34	ND		16	mg/Kg-dry	1	7/1/2024 08:13 PM
Surr: Nonane	49.6		13.1-113	%REC	1	7/1/2024 08:13 PM
Surr: Pentacosane	54.2		28.2-111	%REC	1	7/1/2024 08:13 PM
<b>GASOLINE RANGE ORGANICS (C6-C12)</b>			<b>SW8015A</b>	Prep: SW3546 6/28/24 16:59		Analyst: <b>LAK</b>
TPH C6-C12	ND		2.4	mg/Kg-dry	1	6/28/2024 02:46 AM
Surr: Cyclooctane	93.6		65.2-156	%REC	1	6/28/2024 02:46 AM
<b>MOISTURE</b>			<b>SM2540B</b>	Prep: SW3546 6/28/24 16:59		Analyst: <b>CS</b>
Moisture	16			% of sample	1	6/21/2024
<b>SEMI-VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8270C</b>	Prep: SW3546 7/1/24 15:39		Analyst: <b>DTL</b>
1,2,4,5-Tetrachlorobenzene	ND		0.39	mg/Kg-dry	1	7/1/2024 06:41 PM
1,2,4-Trichlorobenzene	ND		0.39	mg/Kg-dry	1	7/1/2024 06:41 PM
1,2-Dichlorobenzene	ND		0.39	mg/Kg-dry	1	7/1/2024 06:41 PM
1,3-Dichlorobenzene	ND		0.39	mg/Kg-dry	1	7/1/2024 06:41 PM
1,3-Dinitrobenzene	ND		0.39	mg/Kg-dry	1	7/1/2024 06:41 PM
1,4-Dichlorobenzene	ND		0.39	mg/Kg-dry	1	7/1/2024 06:41 PM
1-Methylnaphthalene	ND		0.24	mg/Kg-dry	1	7/1/2024 06:41 PM
1-Naphthylamine	ND		0.39	mg/Kg-dry	1	7/1/2024 06:41 PM
2,3,4,6-Tetrachlorophenol	ND		0.39	mg/Kg-dry	1	7/1/2024 06:41 PM
2,4,5-Trichlorophenol	ND		0.39	mg/Kg-dry	1	7/1/2024 06:41 PM
2,4,6-Trichlorophenol	ND		0.39	mg/Kg-dry	1	7/1/2024 06:41 PM
2,4-Dichlorophenol	ND		0.39	mg/Kg-dry	1	7/1/2024 06:41 PM
2,4-Dimethylphenol	ND		0.39	mg/Kg-dry	1	7/1/2024 06:41 PM
2,4-Dinitrophenol	ND		2.0	mg/Kg-dry	1	7/1/2024 06:41 PM
2,4-Dinitrotoluene	ND		0.39	mg/Kg-dry	1	7/1/2024 06:41 PM
2,6-Dichlorophenol	ND		0.39	mg/Kg-dry	1	7/1/2024 06:41 PM
2,6-Dinitrotoluene	ND		0.39	mg/Kg-dry	1	7/1/2024 06:41 PM
2-Acetylaminofluorene	ND		0.39	mg/Kg-dry	1	7/1/2024 06:41 PM
2-Chloronaphthalene	ND		0.39	mg/Kg-dry	1	7/1/2024 06:41 PM
2-Chlorophenol	ND		0.39	mg/Kg-dry	1	7/1/2024 06:41 PM
2-Methylnaphthalene	ND		0.24	mg/Kg-dry	1	7/1/2024 06:41 PM
2-Methylphenol	ND		0.39	mg/Kg-dry	1	7/1/2024 06:41 PM
2-Naphthylamine	ND		0.39	mg/Kg-dry	1	7/1/2024 06:41 PM
2-Nitroaniline	ND		2.0	mg/Kg-dry	1	7/1/2024 06:41 PM
2-Nitrophenol	ND		0.39	mg/Kg-dry	1	7/1/2024 06:41 PM
2-Picoline	ND		0.39	mg/Kg-dry	1	7/1/2024 06:41 PM
3&4-Methylphenol	ND		0.39	mg/Kg-dry	1	7/1/2024 06:41 PM

Note:

# ALS Environmental

Date: 08-Jul-24

**Client:** Partners Environmental Consulting, Inc.  
**Project:** Former Leake Oil; 448 E. Taggart St., East Palesti  
**Sample ID:** MW-11 8-10'  
**Collection Date:** 6/18/2024 10:32 AM

**Work Order:** 24060754  
**Lab ID:** 24060754-18  
**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
3,3'-Dichlorobenzidine	ND		0.79	mg/Kg-dry	1	7/1/2024 06:41 PM
3-Methylcholanthrene	ND		0.39	mg/Kg-dry	1	7/1/2024 06:41 PM
3-Nitroaniline	ND		2.0	mg/Kg-dry	1	7/1/2024 06:41 PM
4,6-Dinitro-2-methylphenol	ND		2.0	mg/Kg-dry	1	7/1/2024 06:41 PM
4-Aminobiphenyl	ND		0.79	mg/Kg-dry	1	7/1/2024 06:41 PM
4-Bromophenyl phenyl ether	ND		0.39	mg/Kg-dry	1	7/1/2024 06:41 PM
4-Chloro-3-methylphenol	ND		0.79	mg/Kg-dry	1	7/1/2024 06:41 PM
4-Chloroaniline	ND		0.79	mg/Kg-dry	1	7/1/2024 06:41 PM
4-Chlorophenyl phenyl ether	ND		0.39	mg/Kg-dry	1	7/1/2024 06:41 PM
4-Nitroaniline	ND		0.79	mg/Kg-dry	1	7/1/2024 06:41 PM
4-Nitrophenol	ND		2.0	mg/Kg-dry	1	7/1/2024 06:41 PM
4-Nitroquinoline 1-oxide	ND		2.0	mg/Kg-dry	1	7/1/2024 06:41 PM
5-Nitro-o-toluidine	ND		0.39	mg/Kg-dry	1	7/1/2024 06:41 PM
7,12-Dimethylbenz(a)anthracene	ND		0.39	mg/Kg-dry	1	7/1/2024 06:41 PM
Acenaphthene	ND		0.24	mg/Kg-dry	1	7/1/2024 06:41 PM
Acenaphthylene	ND		0.24	mg/Kg-dry	1	7/1/2024 06:41 PM
Acetophenone	ND		0.39	mg/Kg-dry	1	7/1/2024 06:41 PM
Aniline	ND		0.39	mg/Kg-dry	1	7/1/2024 06:41 PM
Anthracene	ND		0.24	mg/Kg-dry	1	7/1/2024 06:41 PM
Azobenzene	ND		0.39	mg/Kg-dry	1	7/1/2024 06:41 PM
Benzidine	ND		0.39	mg/Kg-dry	1	7/1/2024 06:41 PM
Benzo(a)anthracene	ND		0.12	mg/Kg-dry	1	7/1/2024 06:41 PM
Benzo(a)pyrene	ND		0.12	mg/Kg-dry	1	7/1/2024 06:41 PM
Benzo(b)fluoranthene	ND		0.24	mg/Kg-dry	1	7/1/2024 06:41 PM
Benzo(g,h,i)perylene	ND		0.24	mg/Kg-dry	1	7/1/2024 06:41 PM
Benzo(k)fluoranthene	ND		0.24	mg/Kg-dry	1	7/1/2024 06:41 PM
Benzyl alcohol	ND		0.79	mg/Kg-dry	1	7/1/2024 06:41 PM
Bis(2-chloroethoxy)methane	ND		0.39	mg/Kg-dry	1	7/1/2024 06:41 PM
Bis(2-chloroethyl)ether	ND		0.39	mg/Kg-dry	1	7/1/2024 06:41 PM
Bis(2-chloroisopropyl)ether	ND		0.39	mg/Kg-dry	1	7/1/2024 06:41 PM
Bis(2-ethylhexyl)phthalate	ND		0.39	mg/Kg-dry	1	7/1/2024 06:41 PM
Butyl benzyl phthalate	ND		0.39	mg/Kg-dry	1	7/1/2024 06:41 PM
Carbazole	ND		0.24	mg/Kg-dry	1	7/1/2024 06:41 PM
Chrysene	ND		0.24	mg/Kg-dry	1	7/1/2024 06:41 PM
Dibenzo(a,h)anthracene	ND		0.12	mg/Kg-dry	1	7/1/2024 06:41 PM
Dibenzofuran	ND		0.24	mg/Kg-dry	1	7/1/2024 06:41 PM
Diethyl phthalate	ND		0.39	mg/Kg-dry	1	7/1/2024 06:41 PM
Dimethyl phthalate	ND		0.39	mg/Kg-dry	1	7/1/2024 06:41 PM
Di-n-butyl phthalate	ND		0.39	mg/Kg-dry	1	7/1/2024 06:41 PM
Di-n-octyl phthalate	ND		0.39	mg/Kg-dry	1	7/1/2024 06:41 PM

Note:

# ALS Environmental

Date: 08-Jul-24

**Client:** Partners Environmental Consulting, Inc.  
**Project:** Former Leake Oil; 448 E. Taggart St., East Palesti  
**Sample ID:** MW-11 8-10'  
**Collection Date:** 6/18/2024 10:32 AM

**Work Order:** 24060754  
**Lab ID:** 24060754-18  
**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Dinoseb	ND		0.39	mg/Kg-dry	1	7/1/2024 06:41 PM
Diphenylamine	ND		0.39	mg/Kg-dry	1	7/1/2024 06:41 PM
Ethyl methanesulfonate	ND		0.39	mg/Kg-dry	1	7/1/2024 06:41 PM
Fluoranthene	ND		0.24	mg/Kg-dry	1	7/1/2024 06:41 PM
Fluorene	ND		0.24	mg/Kg-dry	1	7/1/2024 06:41 PM
Hexachlorobenzene	ND		0.39	mg/Kg-dry	1	7/1/2024 06:41 PM
Hexachlorobutadiene	ND		0.39	mg/Kg-dry	1	7/1/2024 06:41 PM
Hexachlorocyclopentadiene	ND		0.39	mg/Kg-dry	1	7/1/2024 06:41 PM
Hexachloroethane	ND		0.39	mg/Kg-dry	1	7/1/2024 06:41 PM
Indeno(1,2,3-cd)pyrene	ND		0.12	mg/Kg-dry	1	7/1/2024 06:41 PM
Isophorone	ND		0.39	mg/Kg-dry	1	7/1/2024 06:41 PM
Isosafrole	ND		0.39	mg/Kg-dry	1	7/1/2024 06:41 PM
Methapyrilene	ND		2.0	mg/Kg-dry	1	7/1/2024 06:41 PM
Methyl methanesulfonate	ND		0.39	mg/Kg-dry	1	7/1/2024 06:41 PM
Naphthalene	ND		0.24	mg/Kg-dry	1	7/1/2024 06:41 PM
Nitrobenzene	ND		0.39	mg/Kg-dry	1	7/1/2024 06:41 PM
N-Nitrosodiethylamine	ND		0.39	mg/Kg-dry	1	7/1/2024 06:41 PM
N-Nitrosodimethylamine	ND		0.39	mg/Kg-dry	1	7/1/2024 06:41 PM
N-Nitroso-di-n-butylamine	ND		0.39	mg/Kg-dry	1	7/1/2024 06:41 PM
N-Nitrosodi-n-propylamine	ND		0.39	mg/Kg-dry	1	7/1/2024 06:41 PM
N-Nitrosomethylethylamine	ND		0.39	mg/Kg-dry	1	7/1/2024 06:41 PM
N-Nitrosomorpholine	ND		0.39	mg/Kg-dry	1	7/1/2024 06:41 PM
N-Nitrosopiperidine	ND		0.39	mg/Kg-dry	1	7/1/2024 06:41 PM
N-Nitrosopyrrolidine	ND		0.39	mg/Kg-dry	1	7/1/2024 06:41 PM
o-Toluidine	ND		2.0	mg/Kg-dry	1	7/1/2024 06:41 PM
p-Dimethylaminoazobenzene	ND		0.39	mg/Kg-dry	1	7/1/2024 06:41 PM
Pentachlorobenzene	ND		0.39	mg/Kg-dry	1	7/1/2024 06:41 PM
Pentachloroethane	ND		0.39	mg/Kg-dry	1	7/1/2024 06:41 PM
Pentachloronitrobenzene	ND		0.79	mg/Kg-dry	1	7/1/2024 06:41 PM
Pentachlorophenol	ND		2.0	mg/Kg-dry	1	7/1/2024 06:41 PM
Phenacetin	ND		0.79	mg/Kg-dry	1	7/1/2024 06:41 PM
Phenanthrene	ND		0.24	mg/Kg-dry	1	7/1/2024 06:41 PM
Phenol	ND		0.39	mg/Kg-dry	1	7/1/2024 06:41 PM
Pyrene	ND		0.24	mg/Kg-dry	1	7/1/2024 06:41 PM
Pyridine	ND		0.39	mg/Kg-dry	1	7/1/2024 06:41 PM
Safrole	ND		0.39	mg/Kg-dry	1	7/1/2024 06:41 PM
Surr: 2,4,6-Tribromophenol	78.6		14.2-136	%REC	1	7/1/2024 06:41 PM
Surr: 2-Fluorobiphenyl	68.8		30-116	%REC	1	7/1/2024 06:41 PM
Surr: 2-Fluorophenol	67.2		5.42-113	%REC	1	7/1/2024 06:41 PM
Surr: 4-Terphenyl-d14	73.6		27.3-138	%REC	1	7/1/2024 06:41 PM

Note:

# ALS Environmental

Date: 08-Jul-24

**Client:** Partners Environmental Consulting, Inc.  
**Project:** Former Leake Oil; 448 E. Taggart St., East Palesti  
**Sample ID:** MW-11 8-10'  
**Collection Date:** 6/18/2024 10:32 AM

**Work Order:** 24060754  
**Lab ID:** 24060754-18  
**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Surr: Nitrobenzene-d5	63.3		23.7-109	%REC	1	7/1/2024 06:41 PM
Surr: Phenol-d6	71.0		13.8-108	%REC	1	7/1/2024 06:41 PM

## VOLATILE ORGANIC COMPOUNDS

SW8260B

Analyst: RA

1,1,1,2-Tetrachloroethane	ND		0.0060	mg/Kg-dry	1	6/25/2024 01:05 PM
1,1,1-Trichloroethane	ND		0.0060	mg/Kg-dry	1	6/25/2024 01:05 PM
1,1,2,2-Tetrachloroethane	ND		0.0060	mg/Kg-dry	1	6/25/2024 01:05 PM
1,1,2-Trichloroethane	ND		0.0060	mg/Kg-dry	1	6/25/2024 01:05 PM
1,1-Dichloroethane	ND		0.0060	mg/Kg-dry	1	6/25/2024 01:05 PM
1,1-Dichloroethene	ND		0.0060	mg/Kg-dry	1	6/25/2024 01:05 PM
1,1-Dichloropropene	ND		0.0060	mg/Kg-dry	1	6/25/2024 01:05 PM
1,2,3-Trichlorobenzene	ND		0.0060	mg/Kg-dry	1	6/25/2024 01:05 PM
1,2,3-Trichloropropane	ND		0.0060	mg/Kg-dry	1	6/25/2024 01:05 PM
1,2,4-Trichlorobenzene	ND		0.0060	mg/Kg-dry	1	6/25/2024 01:05 PM
1,2,4-Trimethylbenzene	ND		0.0060	mg/Kg-dry	1	6/25/2024 01:05 PM
1,2-Dibromo-3-chloropropane	ND		0.0060	mg/Kg-dry	1	6/25/2024 01:05 PM
1,2-Dibromoethane	ND		0.0060	mg/Kg-dry	1	6/25/2024 01:05 PM
1,2-Dichlorobenzene	ND		0.0060	mg/Kg-dry	1	6/25/2024 01:05 PM
1,2-Dichloroethane	ND		0.0060	mg/Kg-dry	1	6/25/2024 01:05 PM
1,2-Dichloropropane	ND		0.0060	mg/Kg-dry	1	6/25/2024 01:05 PM
1,3,5-Trimethylbenzene	ND		0.0060	mg/Kg-dry	1	6/25/2024 01:05 PM
1,3-Dichlorobenzene	ND		0.0060	mg/Kg-dry	1	6/25/2024 01:05 PM
1,3-Dichloropropane	ND		0.0060	mg/Kg-dry	1	6/25/2024 01:05 PM
1,4-Dichlorobenzene	ND		0.0060	mg/Kg-dry	1	6/25/2024 01:05 PM
2,2-Dichloropropane	ND		0.0060	mg/Kg-dry	1	6/25/2024 01:05 PM
2-Butanone	ND		0.060	mg/Kg-dry	1	6/25/2024 01:05 PM
2-Chlorotoluene	ND		0.0060	mg/Kg-dry	1	6/25/2024 01:05 PM
2-Hexanone	ND		0.0060	mg/Kg-dry	1	6/25/2024 01:05 PM
4-Chlorotoluene	ND		0.0060	mg/Kg-dry	1	6/25/2024 01:05 PM
4-Methyl-2-pentanone	ND		0.0060	mg/Kg-dry	1	6/25/2024 01:05 PM
Acetone	ND		0.060	mg/Kg-dry	1	6/25/2024 01:05 PM
Benzene	ND		0.0060	mg/Kg-dry	1	6/25/2024 01:05 PM
Bromobenzene	ND		0.0060	mg/Kg-dry	1	6/25/2024 01:05 PM
Bromochloromethane	ND		0.0060	mg/Kg-dry	1	6/25/2024 01:05 PM
Bromodichloromethane	ND		0.0060	mg/Kg-dry	1	6/25/2024 01:05 PM
Bromoform	ND		0.0060	mg/Kg-dry	1	6/25/2024 01:05 PM
Bromomethane	ND		0.0060	mg/Kg-dry	1	6/25/2024 01:05 PM
Carbon disulfide	ND		0.0060	mg/Kg-dry	1	6/25/2024 01:05 PM
Carbon tetrachloride	ND		0.0060	mg/Kg-dry	1	6/25/2024 01:05 PM
Chlorobenzene	ND		0.0060	mg/Kg-dry	1	6/25/2024 01:05 PM
Chloroethane	ND		0.0060	mg/Kg-dry	1	6/25/2024 01:05 PM

Note:



# ALS Environmental

Date: 08-Jul-24

**Client:** Partners Environmental Consulting, Inc.  
**Project:** Former Leake Oil; 448 E. Taggart St., East Palesti  
**Sample ID:** MW-11 8-10'  
**Collection Date:** 6/18/2024 10:32 AM

**Work Order:** 24060754  
**Lab ID:** 24060754-18  
**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Chloroform	ND		0.0060	mg/Kg-dry	1	6/25/2024 01:05 PM
Chloromethane	ND		0.0060	mg/Kg-dry	1	6/25/2024 01:05 PM
cis-1,2-Dichloroethene	ND		0.0060	mg/Kg-dry	1	6/25/2024 01:05 PM
cis-1,3-Dichloropropene	ND		0.0060	mg/Kg-dry	1	6/25/2024 01:05 PM
Dibromochloromethane	ND		0.0060	mg/Kg-dry	1	6/25/2024 01:05 PM
Dibromomethane	ND		0.0060	mg/Kg-dry	1	6/25/2024 01:05 PM
Dichlorodifluoromethane	ND		0.0060	mg/Kg-dry	1	6/25/2024 01:05 PM
Ethylbenzene	ND		0.0060	mg/Kg-dry	1	6/25/2024 01:05 PM
Hexachlorobutadiene	ND		0.0060	mg/Kg-dry	1	6/25/2024 01:05 PM
Isopropylbenzene	ND		0.0060	mg/Kg-dry	1	6/25/2024 01:05 PM
m,p-Xylene	ND		0.012	mg/Kg-dry	1	6/25/2024 01:05 PM
Methyl tert-butyl ether	ND		0.0060	mg/Kg-dry	1	6/25/2024 01:05 PM
Methylene chloride	ND		0.024	mg/Kg-dry	1	6/25/2024 01:05 PM
Naphthalene	ND		0.0060	mg/Kg-dry	1	6/25/2024 01:05 PM
n-Butylbenzene	ND		0.0060	mg/Kg-dry	1	6/25/2024 01:05 PM
n-Propylbenzene	ND		0.0060	mg/Kg-dry	1	6/25/2024 01:05 PM
o-Xylene	ND		0.0060	mg/Kg-dry	1	6/25/2024 01:05 PM
p-Isopropyltoluene	ND		0.0060	mg/Kg-dry	1	6/25/2024 01:05 PM
sec-Butylbenzene	ND		0.0060	mg/Kg-dry	1	6/25/2024 01:05 PM
Styrene	ND		0.0060	mg/Kg-dry	1	6/25/2024 01:05 PM
tert-Butylbenzene	ND		0.0060	mg/Kg-dry	1	6/25/2024 01:05 PM
Tetrachloroethene	ND		0.0060	mg/Kg-dry	1	6/25/2024 01:05 PM
Toluene	ND		0.0060	mg/Kg-dry	1	6/25/2024 01:05 PM
trans-1,2-Dichloroethene	ND		0.0060	mg/Kg-dry	1	6/25/2024 01:05 PM
trans-1,3-Dichloropropene	ND		0.0060	mg/Kg-dry	1	6/25/2024 01:05 PM
Trichloroethene	ND		0.0060	mg/Kg-dry	1	6/25/2024 01:05 PM
Trichlorofluoromethane	ND		0.0060	mg/Kg-dry	1	6/25/2024 01:05 PM
Vinyl chloride	ND		0.0060	mg/Kg-dry	1	6/25/2024 01:05 PM
Xylenes, Total	ND		0.018	mg/Kg-dry	1	6/25/2024 01:05 PM
Surr: 4-Bromofluorobenzene	104		78.9-128	%REC	1	6/25/2024 01:05 PM
Surr: Dibromofluoromethane	109		79.1-140	%REC	1	6/25/2024 01:05 PM
Surr: Toluene-d8	104		84.5-124	%REC	1	6/25/2024 01:05 PM

Note:

# ALS Environmental

Date: 08-Jul-24

**Client:** Partners Environmental Consulting, Inc.  
**Project:** Former Leake Oil; 448 E. Taggart St., East Palesti  
**Sample ID:** HA-06 0-2'  
**Collection Date:** 6/18/2024 09:06 AM

**Work Order:** 24060754  
**Lab ID:** 24060754-19  
**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>MOISTURE</b>			<b>SM2540B</b>			Analyst: <b>CS</b>
Moisture	14			% of sample	1	6/21/2024
<b>LEAD BY ICP</b>			<b>SW6010B</b>		Prep: SW3050B 7/2/24 14:18	Analyst: <b>JW</b>
Lead	210		0.57	mg/Kg-dry	1	7/3/2024 10:22 AM

DRAFT

Note:

**ALS Environmental**

Date: 08-Jul-24

**Client:** Partners Environmental Consulting, Inc.  
**Project:** Former Leake Oil; 448 E. Taggart St., East Palesti  
**Sample ID:** HA-07 0-2'  
**Collection Date:** 6/18/2024 10:54 AM

**Work Order:** 24060754  
**Lab ID:** 24060754-20  
**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>MOISTURE</b>			<b>SM2540B</b>			Analyst: <b>CS</b>
Moisture	13			% of sample	1	6/21/2024
<b>LEAD BY ICP</b>			<b>SW6010B</b>		Prep: SW3050B 7/2/24 14:18	Analyst: <b>JW</b>
Lead	19		0.55	mg/Kg-dry	1	7/3/2024 10:27 AM

DRAFT

Note:

# ALS Environmental

Date: 08-Jul-24

**Client:** Partners Environmental Consulting, Inc.  
**Project:** Former Leake Oil; 448 E. Taggart St., East Palesti  
**Sample ID:** HA-08 0-2'  
**Collection Date:** 6/18/2024 11:02 AM

**Work Order:** 24060754  
**Lab ID:** 24060754-21  
**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>MOISTURE</b>			<b>SM2540B</b>			Analyst: <b>CS</b>
Moisture	15			% of sample	1	6/21/2024
<b>LEAD BY ICP</b>			<b>SW6010B</b>		Prep: SW3050B 7/2/24 14:18	Analyst: <b>JW</b>
Lead	29		0.58	mg/Kg-dry	1	7/3/2024 10:29 AM

DRAFT

Note:

**ALS Environmental**

Date: 08-Jul-24

**Client:** Partners Environmental Consulting, Inc.  
**Project:** Former Leake Oil; 448 E. Taggert St., East Palesti  
**Sample ID:** HA-09 0-2'  
**Collection Date:** 6/18/2024 11:38 AM

**Work Order:** 24060754  
**Lab ID:** 24060754-22  
**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>MOISTURE</b>			<b>SM2540B</b>			Analyst: <b>CS</b>
Moisture	8.9			% of sample	1	6/21/2024
<b>LEAD BY ICP</b>			<b>SW6010B</b>		Prep: SW3050B 7/2/24 14:18	Analyst: <b>JW</b>
Lead	49		0.52	mg/Kg-dry	1	7/3/2024 10:30 AM

DRAFT

Note:

# ALS Environmental

Date: 08-Jul-24

**Client:** Partners Environmental Consulting, Inc.  
**Project:** Former Leake Oil; 448 E. Taggert St., East Palesti  
**Sample ID:** HA-10 0-2'  
**Collection Date:** 6/18/2024 11:32 AM

**Work Order:** 24060754  
**Lab ID:** 24060754-23  
**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>MOISTURE</b>			<b>SM2540B</b>			Analyst: <b>CS</b>
Moisture	11			% of sample	1	6/21/2024
<b>LEAD BY ICP</b>			<b>SW6010B</b>		Prep: SW3050B 7/2/24 14:18	Analyst: <b>JW</b>
Lead	110		0.55	mg/Kg-dry	1	7/3/2024 10:32 AM

DRAFT

Note:

# ALS Environmental

Date: 08-Jul-24

**Client:** Partners Environmental Consulting, Inc.  
**Project:** Former Leake Oil; 448 E. Taggart St., East Palesti  
**Sample ID:** HA-11 0-2'  
**Collection Date:** 6/18/2024 11:12 AM

**Work Order:** 24060754  
**Lab ID:** 24060754-24  
**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>MOISTURE</b>			<b>SM2540B</b>			Analyst: <b>CS</b>
Moisture	6.6			% of sample	1	6/21/2024
<b>LEAD BY ICP</b>			<b>SW6010B</b>		Prep: SW3050B 7/2/24 14:18	Analyst: <b>JW</b>
Lead	24		0.52	mg/Kg-dry	1	7/3/2024 10:34 AM

DRAFT

Note:



# ALS Environmental

Date: 08-Jul-24

**Client:** Partners Environmental Consulting, Inc.  
**Project:** Former Leake Oil; 448 E. Taggert St., East Palesti  
**Sample ID:** HA-12 0-2'  
**Collection Date:** 6/18/2024 08:52 AM

**Work Order:** 24060754  
**Lab ID:** 24060754-25  
**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>MOISTURE</b>			<b>SM2540B</b>			Analyst: <b>CS</b>
Moisture	27			% of sample	1	6/21/2024
<b>LEAD BY ICP</b>			<b>SW6010B</b>		Prep: SW3050B 7/2/24 14:18	Analyst: <b>JW</b>
Lead	790		0.68	mg/Kg-dry	1	7/3/2024 10:38 AM

DRAFT

Note:

# ALS Environmental

Date: 08-Jul-24

**Client:** Partners Environmental Consulting, Inc.  
**Project:** Former Leake Oil; 448 E. Taggart St., East Palesti  
**Sample ID:** HA-13 0-2'  
**Collection Date:** 6/18/2024 11:25 AM

**Work Order:** 24060754  
**Lab ID:** 24060754-26  
**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>MOISTURE</b>			<b>SM2540B</b>			Analyst: <b>CS</b>
Moisture	18			% of sample	1	6/21/2024
<b>LEAD BY ICP</b>			<b>SW6010B</b>		Prep: SW3050B 7/2/24 14:18	Analyst: <b>JW</b>
Lead	1,600		0.57	mg/Kg-dry	1	7/3/2024 10:40 AM

DRAFT

Note:

# ALS Environmental

Date: 08-Jul-24

**Client:** Partners Environmental Consulting, Inc.  
**Project:** Former Leake Oil; 448 E. Taggart St., East Palesti  
**Sample ID:** MW-01  
**Collection Date:** 6/18/2024 04:25 PM

**Work Order:** 24060754  
**Lab ID:** 24060754-27  
**Matrix:** WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
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## SEMI-VOLATILE ORGANIC COMPOUNDS

SW8270C

Prep: SW3510C 6/24/24 10:20

Analyst: DTL

1,2,4,5-Tetrachlorobenzene	ND		10.0	µg/L	1	6/24/2024 06:20 PM
1,2,4-Trichlorobenzene	ND		10.0	µg/L	1	6/24/2024 06:20 PM
1,2-Dichlorobenzene	ND		10.0	µg/L	1	6/24/2024 06:20 PM
1,3-Dichlorobenzene	ND		10.0	µg/L	1	6/24/2024 06:20 PM
1,3-Dinitrobenzene	ND		10.0	µg/L	1	6/24/2024 06:20 PM
1,4-Dichlorobenzene	ND		10.0	µg/L	1	6/24/2024 06:20 PM
1-Methylnaphthalene	ND		0.200	µg/L	1	6/24/2024 06:20 PM
1-Naphthylamine	ND		10.0	µg/L	1	6/24/2024 06:20 PM
2,3,4,6-Tetrachlorophenol	ND		10.0	µg/L	1	6/24/2024 06:20 PM
2,4,5-Trichlorophenol	ND		10.0	µg/L	1	6/24/2024 06:20 PM
2,4,6-Trichlorophenol	ND		10.0	µg/L	1	6/24/2024 06:20 PM
2,4-Dichlorophenol	ND		10.0	µg/L	1	6/24/2024 06:20 PM
2,4-Dimethylphenol	ND		10.0	µg/L	1	6/24/2024 06:20 PM
2,4-Dinitrophenol	ND		10.0	µg/L	1	6/24/2024 06:20 PM
2,4-Dinitrotoluene	ND		10.0	µg/L	1	6/24/2024 06:20 PM
2,6-Dichlorophenol	ND		10.0	µg/L	1	6/24/2024 06:20 PM
2,6-Dinitrotoluene	ND		10.0	µg/L	1	6/24/2024 06:20 PM
2-Acetylaminofluorene	ND		10.0	µg/L	1	6/24/2024 06:20 PM
2-Chloronaphthalene	ND		10.0	µg/L	1	6/24/2024 06:20 PM
2-Chlorophenol	ND		10.0	µg/L	1	6/24/2024 06:20 PM
2-Methylnaphthalene	ND		0.200	µg/L	1	6/24/2024 06:20 PM
2-Methylphenol	ND		10.0	µg/L	1	6/24/2024 06:20 PM
2-Naphthylamine	ND		10.0	µg/L	1	6/24/2024 06:20 PM
2-Nitroaniline	ND		10.0	µg/L	1	6/24/2024 06:20 PM
2-Nitrophenol	ND		10.0	µg/L	1	6/24/2024 06:20 PM
2-Picoline	ND		10.0	µg/L	1	6/24/2024 06:20 PM
3&4-Methylphenol	ND		10.0	µg/L	1	6/24/2024 06:20 PM
3,3'-Dichlorobenzidine	ND		10.0	µg/L	1	6/24/2024 06:20 PM
3-Methylcholanthrene	ND		10.0	µg/L	1	6/24/2024 06:20 PM
3-Nitroaniline	ND		10.0	µg/L	1	6/24/2024 06:20 PM
4,6-Dinitro-2-methylphenol	ND		10.0	µg/L	1	6/24/2024 06:20 PM
4-Aminobiphenyl	ND		10.0	µg/L	1	6/24/2024 06:20 PM
4-Bromophenyl phenyl ether	ND		10.0	µg/L	1	6/24/2024 06:20 PM
4-Chloro-3-methylphenol	ND		10.0	µg/L	1	6/24/2024 06:20 PM
4-Chloroaniline	ND		10.0	µg/L	1	6/24/2024 06:20 PM
4-Chlorophenyl phenyl ether	ND		10.0	µg/L	1	6/24/2024 06:20 PM
4-Nitroaniline	ND		10.0	µg/L	1	6/24/2024 06:20 PM
4-Nitrophenol	ND		10.0	µg/L	1	6/24/2024 06:20 PM
4-Nitroquinoline 1-oxide	ND		10.0	µg/L	1	6/24/2024 06:20 PM

Note:

# ALS Environmental

Date: 08-Jul-24

**Client:** Partners Environmental Consulting, Inc.  
**Project:** Former Leake Oil; 448 E. Taggert St., East Palesti  
**Sample ID:** MW-01  
**Collection Date:** 6/18/2024 04:25 PM

**Work Order:** 24060754  
**Lab ID:** 24060754-27  
**Matrix:** WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
5-Nitro-o-toluidine	ND		10.0	µg/L	1	6/24/2024 06:20 PM
7,12-Dimethylbenz(a)anthracene	ND		10.0	µg/L	1	6/24/2024 06:20 PM
Acenaphthene	ND		0.200	µg/L	1	6/24/2024 06:20 PM
Acenaphthylene	ND		0.200	µg/L	1	6/24/2024 06:20 PM
Acetophenone	ND		10.0	µg/L	1	6/24/2024 06:20 PM
Aniline	ND		10.0	µg/L	1	6/24/2024 06:20 PM
Anthracene	ND		0.200	µg/L	1	6/24/2024 06:20 PM
Azobenzene	ND		10.0	µg/L	1	6/24/2024 06:20 PM
Benzidine	ND		10.0	µg/L	1	6/24/2024 06:20 PM
Benzo(g,h,i)perylene	ND		0.200	µg/L	1	6/24/2024 06:20 PM
Benzo[a]anthracene	ND		0.200	µg/L	1	6/24/2024 06:20 PM
Benzo[a]pyrene	ND		0.200	µg/L	1	6/24/2024 06:20 PM
Benzo[b]fluoranthene	ND		0.200	µg/L	1	6/24/2024 06:20 PM
Benzo[k]fluoranthene	ND		0.200	µg/L	1	6/24/2024 06:20 PM
Benzyl alcohol	ND		10.0	µg/L	1	6/24/2024 06:20 PM
Bis(2-chloroethoxy)methane	ND		10.0	µg/L	1	6/24/2024 06:20 PM
Bis(2-chloroethyl)ether	ND		10.0	µg/L	1	6/24/2024 06:20 PM
Bis(2-chloroisopropyl)ether	ND		10.0	µg/L	1	6/24/2024 06:20 PM
Bis(2-ethylhexyl)phthalate	ND		10.0	µg/L	1	6/24/2024 06:20 PM
Butyl benzyl phthalate	ND		10.0	µg/L	1	6/24/2024 06:20 PM
Carbazole	ND		0.200	µg/L	1	6/24/2024 06:20 PM
Chrysene	ND		0.200	µg/L	1	6/24/2024 06:20 PM
Dibenz[a,h]anthracene	ND		0.200	µg/L	1	6/24/2024 06:20 PM
Dibenzofuran	ND		0.200	µg/L	1	6/24/2024 06:20 PM
Diethyl phthalate	ND		10.0	µg/L	1	6/24/2024 06:20 PM
Dimethyl phthalate	ND		10.0	µg/L	1	6/24/2024 06:20 PM
Di-n-butyl phthalate	ND		10.0	µg/L	1	6/24/2024 06:20 PM
Di-n-octyl phthalate	ND		10.0	µg/L	1	6/24/2024 06:20 PM
Dinoseb	ND		10.0	µg/L	1	6/24/2024 06:20 PM
Diphenylamine	ND		10.0	µg/L	1	6/24/2024 06:20 PM
Ethyl methanesulfonate	ND		10.0	µg/L	1	6/24/2024 06:20 PM
Fluoranthene	ND		0.200	µg/L	1	6/24/2024 06:20 PM
Fluorene	ND		0.200	µg/L	1	6/24/2024 06:20 PM
Hexachlorobenzene	ND		10.0	µg/L	1	6/24/2024 06:20 PM
Hexachlorobutadiene	ND		10.0	µg/L	1	6/24/2024 06:20 PM
Hexachlorocyclopentadiene	ND		10.0	µg/L	1	6/24/2024 06:20 PM
Hexachloroethane	ND		10.0	µg/L	1	6/24/2024 06:20 PM
Indeno[1,2,3-cd]pyrene	ND		0.200	µg/L	1	6/24/2024 06:20 PM
Isophorone	ND		10.0	µg/L	1	6/24/2024 06:20 PM
Isosafrole	ND		10.0	µg/L	1	6/24/2024 06:20 PM

**Note:**

# ALS Environmental

Date: 08-Jul-24

**Client:** Partners Environmental Consulting, Inc.  
**Project:** Former Leake Oil; 448 E. Taggart St., East Palesti  
**Sample ID:** MW-01  
**Collection Date:** 6/18/2024 04:25 PM

**Work Order:** 24060754  
**Lab ID:** 24060754-27  
**Matrix:** WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Methapyrilene	ND		10.0	µg/L	1	6/24/2024 06:20 PM
Methyl methanesulfonate	ND		10.0	µg/L	1	6/24/2024 06:20 PM
Naphthalene	ND		10.0	µg/L	1	6/24/2024 06:20 PM
Nitrobenzene	ND		10.0	µg/L	1	6/24/2024 06:20 PM
N-Nitrosodiethylamine	ND		10.0	µg/L	1	6/24/2024 06:20 PM
N-Nitrosodimethylamine	ND		10.0	µg/L	1	6/24/2024 06:20 PM
N-Nitroso-di-n-butylamine	ND		10.0	µg/L	1	6/24/2024 06:20 PM
N-Nitrosodi-n-propylamine	ND		10.0	µg/L	1	6/24/2024 06:20 PM
N-Nitrosomethylethylamine	ND		10.0	µg/L	1	6/24/2024 06:20 PM
N-Nitrosomorpholine	ND		10.0	µg/L	1	6/24/2024 06:20 PM
N-Nitrosopiperidine	ND		10.0	µg/L	1	6/24/2024 06:20 PM
N-Nitrosopyrrolidine	ND		10.0	µg/L	1	6/24/2024 06:20 PM
o-Toluidine	ND		10.0	µg/L	1	6/24/2024 06:20 PM
p-Dimethylaminoazobenzene	ND		10.0	µg/L	1	6/24/2024 06:20 PM
Pentachlorobenzene	ND		10.0	µg/L	1	6/24/2024 06:20 PM
Pentachloroethane	ND		10.0	µg/L	1	6/24/2024 06:20 PM
Pentachloronitrobenzene	ND		10.0	µg/L	1	6/24/2024 06:20 PM
Pentachlorophenol	ND		10.0	µg/L	1	6/24/2024 06:20 PM
Phenacetin	ND		10.0	µg/L	1	6/24/2024 06:20 PM
Phenanthrene	ND		0.200	µg/L	1	6/24/2024 06:20 PM
Phenol	ND		10.0	µg/L	1	6/24/2024 06:20 PM
Pyrene	ND		0.200	µg/L	1	6/24/2024 06:20 PM
Pyridine	ND		10.0	µg/L	1	6/24/2024 06:20 PM
Safrole	ND		10.0	µg/L	1	6/24/2024 06:20 PM
Surr: 2,4,6-Tribromophenol	87.8		9.92-114	%REC	1	6/24/2024 06:20 PM
Surr: 2-Fluorobiphenyl	84.6		31.5-129	%REC	1	6/24/2024 06:20 PM
Surr: 2-Fluorophenol	53.3		12-89	%REC	1	6/24/2024 06:20 PM
Surr: 4-Terphenyl-d14	64.4		38.3-160	%REC	1	6/24/2024 06:20 PM
Surr: Nitrobenzene-d5	87.8		28-120	%REC	1	6/24/2024 06:20 PM
Surr: Phenol-d6	36.3		4.27-70.1	%REC	1	6/24/2024 06:20 PM

## VOLATILE ORGANIC COMPOUNDS

SW8260B

Analyst: TJH

1,1,1,2-Tetrachloroethane	ND		5.0	µg/L	1	6/26/2024 02:17 PM
1,1,1-Trichloroethane	ND		5.0	µg/L	1	6/26/2024 02:17 PM
1,1,2,2-Tetrachloroethane	ND		5.0	µg/L	1	6/26/2024 02:17 PM
1,1,2-Trichloroethane	ND		5.0	µg/L	1	6/26/2024 02:17 PM
1,1-Dichloroethane	ND		5.0	µg/L	1	6/26/2024 02:17 PM
1,1-Dichloroethene	ND		5.0	µg/L	1	6/26/2024 02:17 PM
1,1-Dichloropropene	ND		5.0	µg/L	1	6/26/2024 02:17 PM
1,2,3-Trichlorobenzene	ND		5.0	µg/L	1	6/26/2024 02:17 PM
1,2,3-Trichloropropane	ND		5.0	µg/L	1	6/26/2024 02:17 PM

Note:

# ALS Environmental

Date: 08-Jul-24

**Client:** Partners Environmental Consulting, Inc.  
**Project:** Former Leake Oil; 448 E. Taggart St., East Palesti  
**Sample ID:** MW-01  
**Collection Date:** 6/18/2024 04:25 PM

**Work Order:** 24060754  
**Lab ID:** 24060754-27  
**Matrix:** WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1,2,4-Trichlorobenzene	ND		5.0	µg/L	1	6/26/2024 02:17 PM
1,2,4-Trimethylbenzene	ND		5.0	µg/L	1	6/26/2024 02:17 PM
1,2-Dibromo-3-chloropropane	ND		0.20	µg/L	1	6/26/2024 02:17 PM
1,2-Dibromoethane	ND		0.050	µg/L	1	6/26/2024 02:17 PM
1,2-Dichlorobenzene	ND		5.0	µg/L	1	6/26/2024 02:17 PM
1,2-Dichloroethane	ND		5.0	µg/L	1	6/26/2024 02:17 PM
1,2-Dichloropropane	ND		5.0	µg/L	1	6/26/2024 02:17 PM
1,3,5-Trimethylbenzene	ND		5.0	µg/L	1	6/26/2024 02:17 PM
1,3-Dichlorobenzene	ND		5.0	µg/L	1	6/26/2024 02:17 PM
1,3-Dichloropropane	ND		5.0	µg/L	1	6/26/2024 02:17 PM
1,4-Dichlorobenzene	ND		5.0	µg/L	1	6/26/2024 02:17 PM
2,2-Dichloropropane	ND		5.0	µg/L	1	6/26/2024 02:17 PM
2-Butanone	ND		50	µg/L	1	6/26/2024 02:17 PM
2-Chlorotoluene	ND		5.0	µg/L	1	6/26/2024 02:17 PM
2-Hexanone	ND		5.0	µg/L	1	6/26/2024 02:17 PM
4-Chlorotoluene	ND		5.0	µg/L	1	6/26/2024 02:17 PM
4-Methyl-2-pentanone	ND		5.0	µg/L	1	6/26/2024 02:17 PM
Acetone	ND		50	µg/L	1	6/26/2024 02:17 PM
Benzene	ND		5.0	µg/L	1	6/26/2024 02:17 PM
Bromobenzene	ND		5.0	µg/L	1	6/26/2024 02:17 PM
Bromochloromethane	ND		5.0	µg/L	1	6/26/2024 02:17 PM
Bromodichloromethane	ND		5.0	µg/L	1	6/26/2024 02:17 PM
Bromoform	ND		5.0	µg/L	1	6/26/2024 02:17 PM
Bromomethane	ND		5.0	µg/L	1	6/26/2024 02:17 PM
Carbon disulfide	ND		5.0	µg/L	1	6/26/2024 02:17 PM
Carbon tetrachloride	ND		5.0	µg/L	1	6/26/2024 02:17 PM
Chlorobenzene	ND		5.0	µg/L	1	6/26/2024 02:17 PM
Chloroethane	ND		5.0	µg/L	1	6/26/2024 02:17 PM
Chloroform	ND		5.0	µg/L	1	6/26/2024 02:17 PM
Chloromethane	ND		5.0	µg/L	1	6/26/2024 02:17 PM
cis-1,2-Dichloroethene	ND		5.0	µg/L	1	6/26/2024 02:17 PM
cis-1,3-Dichloropropene	ND		5.0	µg/L	1	6/26/2024 02:17 PM
Dibromochloromethane	ND		5.0	µg/L	1	6/26/2024 02:17 PM
Dibromomethane	ND		5.0	µg/L	1	6/26/2024 02:17 PM
Dichlorodifluoromethane	ND		5.0	µg/L	1	6/26/2024 02:17 PM
Ethylbenzene	ND		5.0	µg/L	1	6/26/2024 02:17 PM
Hexachlorobutadiene	ND		5.0	µg/L	1	6/26/2024 02:17 PM
Isopropylbenzene	ND		5.0	µg/L	1	6/26/2024 02:17 PM
m,p-Xylene	ND		10	µg/L	1	6/26/2024 02:17 PM
Methyl tert-butyl ether	ND		5.0	µg/L	1	6/26/2024 02:17 PM

Note:

# ALS Environmental

Date: 08-Jul-24

**Client:** Partners Environmental Consulting, Inc.  
**Project:** Former Leake Oil; 448 E. Taggart St., East Palesti  
**Sample ID:** MW-01  
**Collection Date:** 6/18/2024 04:25 PM

**Work Order:** 24060754  
**Lab ID:** 24060754-27  
**Matrix:** WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Methylene chloride	ND		5.0	µg/L	1	6/26/2024 02:17 PM
Naphthalene	ND		5.0	µg/L	1	6/26/2024 02:17 PM
n-Butylbenzene	ND		5.0	µg/L	1	6/26/2024 02:17 PM
n-Propylbenzene	ND		5.0	µg/L	1	6/26/2024 02:17 PM
o-Xylene	ND		5.0	µg/L	1	6/26/2024 02:17 PM
p-Isopropyltoluene	ND		5.0	µg/L	1	6/26/2024 02:17 PM
sec-Butylbenzene	ND		5.0	µg/L	1	6/26/2024 02:17 PM
Styrene	ND		5.0	µg/L	1	6/26/2024 02:17 PM
tert-Butylbenzene	ND		5.0	µg/L	1	6/26/2024 02:17 PM
Tetrachloroethene	ND		5.0	µg/L	1	6/26/2024 02:17 PM
Toluene	ND		5.0	µg/L	1	6/26/2024 02:17 PM
trans-1,2-Dichloroethene	ND		5.0	µg/L	1	6/26/2024 02:17 PM
trans-1,3-Dichloropropene	ND		5.0	µg/L	1	6/26/2024 02:17 PM
Trichloroethene	ND		5.0	µg/L	1	6/26/2024 02:17 PM
Trichlorofluoromethane	ND		5.0	µg/L	1	6/26/2024 02:17 PM
Vinyl chloride	ND		2.0	µg/L	1	6/26/2024 02:17 PM
Xylenes, Total	ND		15	µg/L	1	6/26/2024 02:17 PM
Surr: 4-Bromofluorobenzene	103		61-131	%REC	1	6/26/2024 02:17 PM
Surr: Dibromofluoromethane	110		72-137	%REC	1	6/26/2024 02:17 PM
Surr: Toluene-d8	106		93.7-124	%REC	1	6/26/2024 02:17 PM

Note:



# ALS Environmental

Date: 08-Jul-24

**Client:** Partners Environmental Consulting, Inc.  
**Project:** Former Leake Oil; 448 E. Taggart St., East Palesti  
**Sample ID:** TRIP-24  
**Collection Date:** 6/18/2024

**Work Order:** 24060754  
**Lab ID:** 24060754-28  
**Matrix:** WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8260B</b>		Analyst: TJH	
1,1,1,2-Tetrachloroethane	ND		5.0	µg/L	1	6/25/2024 12:21 PM
1,1,1-Trichloroethane	ND		5.0	µg/L	1	6/25/2024 12:21 PM
1,1,2,2-Tetrachloroethane	ND		5.0	µg/L	1	6/25/2024 12:21 PM
1,1,2-Trichloroethane	ND		5.0	µg/L	1	6/25/2024 12:21 PM
1,1-Dichloroethane	ND		5.0	µg/L	1	6/25/2024 12:21 PM
1,1-Dichloroethene	ND		5.0	µg/L	1	6/25/2024 12:21 PM
1,1-Dichloropropene	ND		5.0	µg/L	1	6/25/2024 12:21 PM
1,2,3-Trichlorobenzene	ND		5.0	µg/L	1	6/25/2024 12:21 PM
1,2,3-Trichloropropane	ND		5.0	µg/L	1	6/25/2024 12:21 PM
1,2,4-Trichlorobenzene	ND		5.0	µg/L	1	6/25/2024 12:21 PM
1,2,4-Trimethylbenzene	ND		5.0	µg/L	1	6/25/2024 12:21 PM
1,2-Dibromo-3-chloropropane	ND		0.20	µg/L	1	6/25/2024 12:21 PM
1,2-Dibromoethane	ND		0.050	µg/L	1	6/25/2024 12:21 PM
1,2-Dichlorobenzene	ND		5.0	µg/L	1	6/25/2024 12:21 PM
1,2-Dichloroethane	ND		5.0	µg/L	1	6/25/2024 12:21 PM
1,2-Dichloropropane	ND		5.0	µg/L	1	6/25/2024 12:21 PM
1,3,5-Trimethylbenzene	ND		5.0	µg/L	1	6/25/2024 12:21 PM
1,3-Dichlorobenzene	ND		5.0	µg/L	1	6/25/2024 12:21 PM
1,3-Dichloropropane	ND		5.0	µg/L	1	6/25/2024 12:21 PM
1,4-Dichlorobenzene	ND		5.0	µg/L	1	6/25/2024 12:21 PM
2,2-Dichloropropane	ND		5.0	µg/L	1	6/25/2024 12:21 PM
2-Butanone	ND		50	µg/L	1	6/25/2024 12:21 PM
2-Chlorotoluene	ND		5.0	µg/L	1	6/25/2024 12:21 PM
2-Hexanone	ND		5.0	µg/L	1	6/25/2024 12:21 PM
4-Chlorotoluene	ND		5.0	µg/L	1	6/25/2024 12:21 PM
4-Methyl-2-pentanone	ND		5.0	µg/L	1	6/25/2024 12:21 PM
Acetone	ND		50	µg/L	1	6/25/2024 12:21 PM
Benzene	ND		5.0	µg/L	1	6/25/2024 12:21 PM
Bromobenzene	ND		5.0	µg/L	1	6/25/2024 12:21 PM
Bromochloromethane	ND		5.0	µg/L	1	6/25/2024 12:21 PM
Bromodichloromethane	ND		5.0	µg/L	1	6/25/2024 12:21 PM
Bromoform	ND		5.0	µg/L	1	6/25/2024 12:21 PM
Bromomethane	ND		5.0	µg/L	1	6/25/2024 12:21 PM
Carbon disulfide	ND		5.0	µg/L	1	6/25/2024 12:21 PM
Carbon tetrachloride	ND		5.0	µg/L	1	6/25/2024 12:21 PM
Chlorobenzene	ND		5.0	µg/L	1	6/25/2024 12:21 PM
Chloroethane	ND		5.0	µg/L	1	6/25/2024 12:21 PM
Chloroform	ND		5.0	µg/L	1	6/25/2024 12:21 PM
Chloromethane	ND		5.0	µg/L	1	6/25/2024 12:21 PM

Note:

# ALS Environmental

Date: 08-Jul-24

**Client:** Partners Environmental Consulting, Inc.  
**Project:** Former Leake Oil; 448 E. Taggart St., East Palesti  
**Sample ID:** TRIP-24  
**Collection Date:** 6/18/2024

**Work Order:** 24060754  
**Lab ID:** 24060754-28  
**Matrix:** WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
cis-1,2-Dichloroethene	ND		5.0	µg/L	1	6/25/2024 12:21 PM
cis-1,3-Dichloropropene	ND		5.0	µg/L	1	6/25/2024 12:21 PM
Dibromochloromethane	ND		5.0	µg/L	1	6/25/2024 12:21 PM
Dibromomethane	ND		5.0	µg/L	1	6/25/2024 12:21 PM
Dichlorodifluoromethane	ND		5.0	µg/L	1	6/25/2024 12:21 PM
Ethylbenzene	ND		5.0	µg/L	1	6/25/2024 12:21 PM
Hexachlorobutadiene	ND		5.0	µg/L	1	6/25/2024 12:21 PM
Isopropylbenzene	ND		5.0	µg/L	1	6/25/2024 12:21 PM
m,p-Xylene	ND		10	µg/L	1	6/25/2024 12:21 PM
Methyl tert-butyl ether	ND		5.0	µg/L	1	6/25/2024 12:21 PM
Methylene chloride	ND		5.0	µg/L	1	6/25/2024 12:21 PM
Naphthalene	ND		5.0	µg/L	1	6/25/2024 12:21 PM
n-Butylbenzene	ND		5.0	µg/L	1	6/25/2024 12:21 PM
n-Propylbenzene	ND		5.0	µg/L	1	6/25/2024 12:21 PM
o-Xylene	ND		5.0	µg/L	1	6/25/2024 12:21 PM
p-Isopropyltoluene	ND		5.0	µg/L	1	6/25/2024 12:21 PM
sec-Butylbenzene	ND		5.0	µg/L	1	6/25/2024 12:21 PM
Styrene	ND		5.0	µg/L	1	6/25/2024 12:21 PM
tert-Butylbenzene	ND		5.0	µg/L	1	6/25/2024 12:21 PM
Tetrachloroethene	ND		5.0	µg/L	1	6/25/2024 12:21 PM
Toluene	ND		5.0	µg/L	1	6/25/2024 12:21 PM
trans-1,2-Dichloroethene	ND		5.0	µg/L	1	6/25/2024 12:21 PM
trans-1,3-Dichloropropene	ND		5.0	µg/L	1	6/25/2024 12:21 PM
Trichloroethene	ND		5.0	µg/L	1	6/25/2024 12:21 PM
Trichlorofluoromethane	ND		5.0	µg/L	1	6/25/2024 12:21 PM
Vinyl chloride	ND		2.0	µg/L	1	6/25/2024 12:21 PM
Xylenes, Total	ND		15	µg/L	1	6/25/2024 12:21 PM
Surr: 4-Bromofluorobenzene	101		61-131	%REC	1	6/25/2024 12:21 PM
Surr: Dibromofluoromethane	104		72-137	%REC	1	6/25/2024 12:21 PM
Surr: Toluene-d8	96.3		93.7-124	%REC	1	6/25/2024 12:21 PM

Note:

**ALS Environmental**

Date: 08-Jul-24

**Client:** Partners Environmental Consulting, Inc.  
**Project:** Former Leake Oil; 448 E. Taggert St., East Palesti  
**Sample ID:** DUPHA-24  
**Collection Date:** 6/18/2024 08:52 AM

**Work Order:** 24060754  
**Lab ID:** 24060754-29  
**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>MOISTURE</b>			<b>SM2540B</b>			Analyst: <b>CS</b>
Moisture	10			% of sample	1	6/21/2024
<b>LEAD BY ICP</b>			<b>SW6010B</b>		Prep: SW3050B 7/2/24 14:18	Analyst: <b>JW</b>
Lead	120		0.54	mg/Kg-dry	1	7/3/2024 10:41 AM

DRAFT

Note:

# ALS Environmental

Date: 08-Jul-24

**Client:** Partners Environmental Consulting, Inc.  
**Project:** Former Leake Oil; 448 E. Taggart St., East Palesti  
**Sample ID:** MW-03  
**Collection Date:** 6/19/2024 08:53 AM

**Work Order:** 24060754  
**Lab ID:** 24060754-30  
**Matrix:** WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>SEMI-VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8270C</b>	Prep: SW3510C 6/25/24 13:57	Analyst: DTL	
1,2,4,5-Tetrachlorobenzene	ND		10.0	µg/L	1	6/26/2024 07:37 PM
1,2,4-Trichlorobenzene	ND		10.0	µg/L	1	6/26/2024 07:37 PM
1,2-Dichlorobenzene	ND		10.0	µg/L	1	6/26/2024 07:37 PM
1,3-Dichlorobenzene	ND		10.0	µg/L	1	6/26/2024 07:37 PM
1,3-Dinitrobenzene	ND		10.0	µg/L	1	6/26/2024 07:37 PM
1,4-Dichlorobenzene	ND		10.0	µg/L	1	6/26/2024 07:37 PM
1-Methylnaphthalene	ND		0.200	µg/L	1	6/26/2024 07:37 PM
1-Naphthylamine	ND		10.0	µg/L	1	6/26/2024 07:37 PM
2,3,4,6-Tetrachlorophenol	ND		10.0	µg/L	1	6/26/2024 07:37 PM
2,4,5-Trichlorophenol	ND		10.0	µg/L	1	6/26/2024 07:37 PM
2,4,6-Trichlorophenol	ND		10.0	µg/L	1	6/26/2024 07:37 PM
2,4-Dichlorophenol	ND		10.0	µg/L	1	6/26/2024 07:37 PM
2,4-Dimethylphenol	ND		10.0	µg/L	1	6/26/2024 07:37 PM
2,4-Dinitrophenol	ND		10.0	µg/L	1	6/26/2024 07:37 PM
2,4-Dinitrotoluene	ND		10.0	µg/L	1	6/26/2024 07:37 PM
2,6-Dichlorophenol	ND		10.0	µg/L	1	6/26/2024 07:37 PM
2,6-Dinitrotoluene	ND		10.0	µg/L	1	6/26/2024 07:37 PM
2-Acetylaminofluorene	ND		10.0	µg/L	1	6/26/2024 07:37 PM
2-Chloronaphthalene	ND		10.0	µg/L	1	6/26/2024 07:37 PM
2-Chlorophenol	ND		10.0	µg/L	1	6/26/2024 07:37 PM
2-Methylnaphthalene	ND		0.200	µg/L	1	6/26/2024 07:37 PM
2-Methylphenol	ND		10.0	µg/L	1	6/26/2024 07:37 PM
2-Naphthylamine	ND		10.0	µg/L	1	6/26/2024 07:37 PM
2-Nitroaniline	ND		10.0	µg/L	1	6/26/2024 07:37 PM
2-Nitrophenol	ND		10.0	µg/L	1	6/26/2024 07:37 PM
2-Picoline	ND		10.0	µg/L	1	6/26/2024 07:37 PM
3&4-Methylphenol	ND		10.0	µg/L	1	6/26/2024 07:37 PM
3,3'-Dichlorobenzidine	ND		10.0	µg/L	1	6/26/2024 07:37 PM
3-Methylcholanthrene	ND		10.0	µg/L	1	6/26/2024 07:37 PM
3-Nitroaniline	ND		10.0	µg/L	1	6/26/2024 07:37 PM
4,6-Dinitro-2-methylphenol	ND		10.0	µg/L	1	6/26/2024 07:37 PM
4-Aminobiphenyl	ND		10.0	µg/L	1	6/26/2024 07:37 PM
4-Bromophenyl phenyl ether	ND		10.0	µg/L	1	6/26/2024 07:37 PM
4-Chloro-3-methylphenol	ND		10.0	µg/L	1	6/26/2024 07:37 PM
4-Chloroaniline	ND		10.0	µg/L	1	6/26/2024 07:37 PM
4-Chlorophenyl phenyl ether	ND		10.0	µg/L	1	6/26/2024 07:37 PM
4-Nitroaniline	ND		10.0	µg/L	1	6/26/2024 07:37 PM
4-Nitrophenol	ND		10.0	µg/L	1	6/26/2024 07:37 PM
4-Nitroquinoline 1-oxide	ND		10.0	µg/L	1	6/26/2024 07:37 PM

Note:

# ALS Environmental

Date: 08-Jul-24

**Client:** Partners Environmental Consulting, Inc.  
**Project:** Former Leake Oil; 448 E. Taggart St., East Palesti  
**Sample ID:** MW-03  
**Collection Date:** 6/19/2024 08:53 AM

**Work Order:** 24060754  
**Lab ID:** 24060754-30  
**Matrix:** WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
5-Nitro-o-toluidine	ND		10.0	µg/L	1	6/26/2024 07:37 PM
7,12-Dimethylbenz(a)anthracene	ND		10.0	µg/L	1	6/26/2024 07:37 PM
Acenaphthene	ND		0.200	µg/L	1	6/26/2024 07:37 PM
Acenaphthylene	ND		0.200	µg/L	1	6/26/2024 07:37 PM
Acetophenone	ND		10.0	µg/L	1	6/26/2024 07:37 PM
Aniline	ND		10.0	µg/L	1	6/26/2024 07:37 PM
Anthracene	ND		0.200	µg/L	1	6/26/2024 07:37 PM
Azobenzene	ND		10.0	µg/L	1	6/26/2024 07:37 PM
Benzidine	ND		10.0	µg/L	1	6/26/2024 07:37 PM
Benzo(g,h,i)perylene	ND		0.200	µg/L	1	6/26/2024 07:37 PM
Benzo[a]anthracene	ND		0.200	µg/L	1	6/26/2024 07:37 PM
Benzo[a]pyrene	ND		0.200	µg/L	1	6/26/2024 07:37 PM
Benzo[b]fluoranthene	ND		0.200	µg/L	1	6/26/2024 07:37 PM
Benzo[k]fluoranthene	ND		0.200	µg/L	1	6/26/2024 07:37 PM
Benzyl alcohol	ND		10.0	µg/L	1	6/26/2024 07:37 PM
Bis(2-chloroethoxy)methane	ND		10.0	µg/L	1	6/26/2024 07:37 PM
Bis(2-chloroethyl)ether	ND		10.0	µg/L	1	6/26/2024 07:37 PM
Bis(2-chloroisopropyl)ether	ND		10.0	µg/L	1	6/26/2024 07:37 PM
Bis(2-ethylhexyl)phthalate	ND		10.0	µg/L	1	6/26/2024 07:37 PM
Butyl benzyl phthalate	ND		10.0	µg/L	1	6/26/2024 07:37 PM
Carbazole	ND		0.200	µg/L	1	6/26/2024 07:37 PM
Chrysene	ND		0.200	µg/L	1	6/26/2024 07:37 PM
Dibenz[a,h]anthracene	ND		0.200	µg/L	1	6/26/2024 07:37 PM
Dibenzofuran	ND		0.200	µg/L	1	6/26/2024 07:37 PM
Diethyl phthalate	ND		10.0	µg/L	1	6/26/2024 07:37 PM
Dimethyl phthalate	ND		10.0	µg/L	1	6/26/2024 07:37 PM
Di-n-butyl phthalate	ND		10.0	µg/L	1	6/26/2024 07:37 PM
Di-n-octyl phthalate	ND		10.0	µg/L	1	6/26/2024 07:37 PM
Dinoseb	ND		10.0	µg/L	1	6/26/2024 07:37 PM
Diphenylamine	ND		10.0	µg/L	1	6/26/2024 07:37 PM
Ethyl methanesulfonate	ND		10.0	µg/L	1	6/26/2024 07:37 PM
Fluoranthene	ND		0.200	µg/L	1	6/26/2024 07:37 PM
Fluorene	ND		0.200	µg/L	1	6/26/2024 07:37 PM
Hexachlorobenzene	ND		10.0	µg/L	1	6/26/2024 07:37 PM
Hexachlorobutadiene	ND		10.0	µg/L	1	6/26/2024 07:37 PM
Hexachlorocyclopentadiene	ND		10.0	µg/L	1	6/26/2024 07:37 PM
Hexachloroethane	ND		10.0	µg/L	1	6/26/2024 07:37 PM
Indeno[1,2,3-cd]pyrene	ND		0.200	µg/L	1	6/26/2024 07:37 PM
Isophorone	ND		10.0	µg/L	1	6/26/2024 07:37 PM
Isosafrole	ND		10.0	µg/L	1	6/26/2024 07:37 PM

Note:

# ALS Environmental

Date: 08-Jul-24

**Client:** Partners Environmental Consulting, Inc.  
**Project:** Former Leake Oil; 448 E. Taggart St., East Palesti  
**Sample ID:** MW-03  
**Collection Date:** 6/19/2024 08:53 AM

**Work Order:** 24060754  
**Lab ID:** 24060754-30  
**Matrix:** WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Methapyrilene	ND		10.0	µg/L	1	6/26/2024 07:37 PM
Methyl methanesulfonate	ND		10.0	µg/L	1	6/26/2024 07:37 PM
Naphthalene	ND		10.0	µg/L	1	6/26/2024 07:37 PM
Nitrobenzene	ND		10.0	µg/L	1	6/26/2024 07:37 PM
N-Nitrosodiethylamine	ND		10.0	µg/L	1	6/26/2024 07:37 PM
N-Nitrosodimethylamine	ND		10.0	µg/L	1	6/26/2024 07:37 PM
N-Nitroso-di-n-butylamine	ND		10.0	µg/L	1	6/26/2024 07:37 PM
N-Nitrosodi-n-propylamine	ND		10.0	µg/L	1	6/26/2024 07:37 PM
N-Nitrosomethylethylamine	ND		10.0	µg/L	1	6/26/2024 07:37 PM
N-Nitrosomorpholine	ND		10.0	µg/L	1	6/26/2024 07:37 PM
N-Nitrosopiperidine	ND		10.0	µg/L	1	6/26/2024 07:37 PM
N-Nitrosopyrrolidine	ND		10.0	µg/L	1	6/26/2024 07:37 PM
o-Toluidine	ND		10.0	µg/L	1	6/26/2024 07:37 PM
p-Dimethylaminoazobenzene	ND		10.0	µg/L	1	6/26/2024 07:37 PM
Pentachlorobenzene	ND		10.0	µg/L	1	6/26/2024 07:37 PM
Pentachloroethane	ND		10.0	µg/L	1	6/26/2024 07:37 PM
Pentachloronitrobenzene	ND		10.0	µg/L	1	6/26/2024 07:37 PM
Pentachlorophenol	ND		10.0	µg/L	1	6/26/2024 07:37 PM
Phenacetin	ND		10.0	µg/L	1	6/26/2024 07:37 PM
Phenanthrene	ND		0.200	µg/L	1	6/26/2024 07:37 PM
Phenol	ND		10.0	µg/L	1	6/26/2024 07:37 PM
Pyrene	ND		0.200	µg/L	1	6/26/2024 07:37 PM
Pyridine	ND		10.0	µg/L	1	6/26/2024 07:37 PM
Safrole	ND		10.0	µg/L	1	6/26/2024 07:37 PM
Surr: 2,4,6-Tribromophenol	93.5		9.92-114	%REC	1	6/26/2024 07:37 PM
Surr: 2-Fluorobiphenyl	74.4		31.5-129	%REC	1	6/26/2024 07:37 PM
Surr: 2-Fluorophenol	45.5		12-89	%REC	1	6/26/2024 07:37 PM
Surr: 4-Terphenyl-d14	67.2		38.3-160	%REC	1	6/26/2024 07:37 PM
Surr: Nitrobenzene-d5	78.4		28-120	%REC	1	6/26/2024 07:37 PM
Surr: Phenol-d6	31.4		4.27-70.1	%REC	1	6/26/2024 07:37 PM

## VOLATILE ORGANIC COMPOUNDS

SW8260B

Analyst: TJH

1,1,1,2-Tetrachloroethane	ND		5.0	µg/L	1	6/22/2024 03:36 PM
1,1,1-Trichloroethane	ND		5.0	µg/L	1	6/22/2024 03:36 PM
1,1,2,2-Tetrachloroethane	ND		5.0	µg/L	1	6/22/2024 03:36 PM
1,1,2-Trichloroethane	ND		5.0	µg/L	1	6/22/2024 03:36 PM
1,1-Dichloroethane	ND		5.0	µg/L	1	6/22/2024 03:36 PM
1,1-Dichloroethene	ND		5.0	µg/L	1	6/22/2024 03:36 PM
1,1-Dichloropropene	ND		5.0	µg/L	1	6/22/2024 03:36 PM
1,2,3-Trichlorobenzene	ND		5.0	µg/L	1	6/22/2024 03:36 PM
1,2,3-Trichloropropane	ND		5.0	µg/L	1	6/22/2024 03:36 PM

Note:

# ALS Environmental

Date: 08-Jul-24

Client: Partners Environmental Consulting, Inc.  
 Project: Former Leake Oil; 448 E. Taggart St., East Palesti  
 Sample ID: MW-03  
 Collection Date: 6/19/2024 08:53 AM

Work Order: 24060754  
 Lab ID: 24060754-30  
 Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1,2,4-Trichlorobenzene	ND		5.0	µg/L	1	6/22/2024 03:36 PM
1,2,4-Trimethylbenzene	ND		5.0	µg/L	1	6/22/2024 03:36 PM
1,2-Dibromo-3-chloropropane	ND		0.20	µg/L	1	6/22/2024 03:36 PM
1,2-Dibromoethane	ND		0.050	µg/L	1	6/22/2024 03:36 PM
1,2-Dichlorobenzene	ND		5.0	µg/L	1	6/22/2024 03:36 PM
1,2-Dichloroethane	ND		5.0	µg/L	1	6/22/2024 03:36 PM
1,2-Dichloropropane	ND		5.0	µg/L	1	6/22/2024 03:36 PM
1,3,5-Trimethylbenzene	ND		5.0	µg/L	1	6/22/2024 03:36 PM
1,3-Dichlorobenzene	ND		5.0	µg/L	1	6/22/2024 03:36 PM
1,3-Dichloropropane	ND		5.0	µg/L	1	6/22/2024 03:36 PM
1,4-Dichlorobenzene	ND		5.0	µg/L	1	6/22/2024 03:36 PM
2,2-Dichloropropane	ND		5.0	µg/L	1	6/22/2024 03:36 PM
2-Butanone	ND		50	µg/L	1	6/22/2024 03:36 PM
2-Chlorotoluene	ND		5.0	µg/L	1	6/22/2024 03:36 PM
2-Hexanone	ND		5.0	µg/L	1	6/22/2024 03:36 PM
4-Chlorotoluene	ND		5.0	µg/L	1	6/22/2024 03:36 PM
4-Methyl-2-pentanone	ND		5.0	µg/L	1	6/22/2024 03:36 PM
Acetone	ND		50	µg/L	1	6/22/2024 03:36 PM
Benzene	ND		5.0	µg/L	1	6/22/2024 03:36 PM
Bromobenzene	ND		5.0	µg/L	1	6/22/2024 03:36 PM
Bromochloromethane	ND		5.0	µg/L	1	6/22/2024 03:36 PM
Bromodichloromethane	ND		5.0	µg/L	1	6/22/2024 03:36 PM
Bromoform	ND		5.0	µg/L	1	6/22/2024 03:36 PM
Bromomethane	ND		5.0	µg/L	1	6/22/2024 03:36 PM
Carbon disulfide	ND		5.0	µg/L	1	6/22/2024 03:36 PM
Carbon tetrachloride	ND		5.0	µg/L	1	6/22/2024 03:36 PM
Chlorobenzene	ND		5.0	µg/L	1	6/22/2024 03:36 PM
Chloroethane	ND		5.0	µg/L	1	6/22/2024 03:36 PM
Chloroform	ND		5.0	µg/L	1	6/22/2024 03:36 PM
Chloromethane	ND		5.0	µg/L	1	6/22/2024 03:36 PM
cis-1,2-Dichloroethene	ND		5.0	µg/L	1	6/22/2024 03:36 PM
cis-1,3-Dichloropropene	ND		5.0	µg/L	1	6/22/2024 03:36 PM
Dibromochloromethane	ND		5.0	µg/L	1	6/22/2024 03:36 PM
Dibromomethane	ND		5.0	µg/L	1	6/22/2024 03:36 PM
Dichlorodifluoromethane	ND		5.0	µg/L	1	6/22/2024 03:36 PM
Ethylbenzene	ND		5.0	µg/L	1	6/22/2024 03:36 PM
Hexachlorobutadiene	ND		5.0	µg/L	1	6/22/2024 03:36 PM
Isopropylbenzene	ND		5.0	µg/L	1	6/22/2024 03:36 PM
m,p-Xylene	ND		10	µg/L	1	6/22/2024 03:36 PM
Methyl tert-butyl ether	ND		5.0	µg/L	1	6/22/2024 03:36 PM

Note:



# ALS Environmental

Date: 08-Jul-24

Client: Partners Environmental Consulting, Inc.  
 Project: Former Leake Oil; 448 E. Taggart St., East Palesti  
 Sample ID: MW-03  
 Collection Date: 6/19/2024 08:53 AM

Work Order: 24060754  
 Lab ID: 24060754-30  
 Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Methylene chloride	ND		5.0	µg/L	1	6/22/2024 03:36 PM
Naphthalene	ND		5.0	µg/L	1	6/22/2024 03:36 PM
n-Butylbenzene	ND		5.0	µg/L	1	6/22/2024 03:36 PM
n-Propylbenzene	ND		5.0	µg/L	1	6/22/2024 03:36 PM
o-Xylene	ND		5.0	µg/L	1	6/22/2024 03:36 PM
p-Isopropyltoluene	ND		5.0	µg/L	1	6/22/2024 03:36 PM
sec-Butylbenzene	ND		5.0	µg/L	1	6/22/2024 03:36 PM
Styrene	ND		5.0	µg/L	1	6/22/2024 03:36 PM
tert-Butylbenzene	ND		5.0	µg/L	1	6/22/2024 03:36 PM
Tetrachloroethene	ND		5.0	µg/L	1	6/22/2024 03:36 PM
Toluene	ND		5.0	µg/L	1	6/22/2024 03:36 PM
trans-1,2-Dichloroethene	ND		5.0	µg/L	1	6/22/2024 03:36 PM
trans-1,3-Dichloropropene	ND		5.0	µg/L	1	6/22/2024 03:36 PM
Trichloroethene	ND		5.0	µg/L	1	6/22/2024 03:36 PM
Trichlorofluoromethane	ND		5.0	µg/L	1	6/22/2024 03:36 PM
Vinyl chloride	ND		2.0	µg/L	1	6/22/2024 03:36 PM
Xylenes, Total	ND		15	µg/L	1	6/22/2024 03:36 PM
Surr: 4-Bromofluorobenzene	101		61-131	%REC	1	6/22/2024 03:36 PM
Surr: Dibromofluoromethane	102		72-137	%REC	1	6/22/2024 03:36 PM
Surr: Toluene-d8	99.2		93.7-124	%REC	1	6/22/2024 03:36 PM

DRAFT

Note:

# ALS Environmental

Date: 08-Jul-24

**Client:** Partners Environmental Consulting, Inc.  
**Project:** Former Leake Oil; 448 E. Taggart St., East Palesti  
**Sample ID:** MW-04  
**Collection Date:** 6/19/2024 10:58 AM

**Work Order:** 24060754  
**Lab ID:** 24060754-31  
**Matrix:** WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
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## SEMI-VOLATILE ORGANIC COMPOUNDS

SW8270C

Prep: SW3510C 6/25/24 13:57

Analyst: DTL

1,2,4,5-Tetrachlorobenzene	ND		10.0	µg/L	1	6/26/2024 07:56 PM
1,2,4-Trichlorobenzene	ND		10.0	µg/L	1	6/26/2024 07:56 PM
1,2-Dichlorobenzene	ND		10.0	µg/L	1	6/26/2024 07:56 PM
1,3-Dichlorobenzene	ND		10.0	µg/L	1	6/26/2024 07:56 PM
1,3-Dinitrobenzene	ND		10.0	µg/L	1	6/26/2024 07:56 PM
1,4-Dichlorobenzene	ND		10.0	µg/L	1	6/26/2024 07:56 PM
1-Methylnaphthalene	ND		0.200	µg/L	1	6/26/2024 07:56 PM
1-Naphthylamine	ND		10.0	µg/L	1	6/26/2024 07:56 PM
2,3,4,6-Tetrachlorophenol	ND		10.0	µg/L	1	6/26/2024 07:56 PM
2,4,5-Trichlorophenol	ND		10.0	µg/L	1	6/26/2024 07:56 PM
2,4,6-Trichlorophenol	ND		10.0	µg/L	1	6/26/2024 07:56 PM
2,4-Dichlorophenol	ND		10.0	µg/L	1	6/26/2024 07:56 PM
2,4-Dimethylphenol	ND		10.0	µg/L	1	6/26/2024 07:56 PM
2,4-Dinitrophenol	ND		10.0	µg/L	1	6/26/2024 07:56 PM
2,4-Dinitrotoluene	ND		10.0	µg/L	1	6/26/2024 07:56 PM
2,6-Dichlorophenol	ND		10.0	µg/L	1	6/26/2024 07:56 PM
2,6-Dinitrotoluene	ND		10.0	µg/L	1	6/26/2024 07:56 PM
2-Acetylaminofluorene	ND		10.0	µg/L	1	6/26/2024 07:56 PM
2-Chloronaphthalene	ND		10.0	µg/L	1	6/26/2024 07:56 PM
2-Chlorophenol	ND		10.0	µg/L	1	6/26/2024 07:56 PM
2-Methylnaphthalene	ND		0.200	µg/L	1	6/26/2024 07:56 PM
2-Methylphenol	ND		10.0	µg/L	1	6/26/2024 07:56 PM
2-Naphthylamine	ND		10.0	µg/L	1	6/26/2024 07:56 PM
2-Nitroaniline	ND		10.0	µg/L	1	6/26/2024 07:56 PM
2-Nitrophenol	ND		10.0	µg/L	1	6/26/2024 07:56 PM
2-Picoline	ND		10.0	µg/L	1	6/26/2024 07:56 PM
3&4-Methylphenol	ND		10.0	µg/L	1	6/26/2024 07:56 PM
3,3'-Dichlorobenzidine	ND		10.0	µg/L	1	6/26/2024 07:56 PM
3-Methylcholanthrene	ND		10.0	µg/L	1	6/26/2024 07:56 PM
3-Nitroaniline	ND		10.0	µg/L	1	6/26/2024 07:56 PM
4,6-Dinitro-2-methylphenol	ND		10.0	µg/L	1	6/26/2024 07:56 PM
4-Aminobiphenyl	ND		10.0	µg/L	1	6/26/2024 07:56 PM
4-Bromophenyl phenyl ether	ND		10.0	µg/L	1	6/26/2024 07:56 PM
4-Chloro-3-methylphenol	ND		10.0	µg/L	1	6/26/2024 07:56 PM
4-Chloroaniline	ND		10.0	µg/L	1	6/26/2024 07:56 PM
4-Chlorophenyl phenyl ether	ND		10.0	µg/L	1	6/26/2024 07:56 PM
4-Nitroaniline	ND		10.0	µg/L	1	6/26/2024 07:56 PM
4-Nitrophenol	ND		10.0	µg/L	1	6/26/2024 07:56 PM
4-Nitroquinoline 1-oxide	ND		10.0	µg/L	1	6/26/2024 07:56 PM

Note:

# ALS Environmental

Date: 08-Jul-24

**Client:** Partners Environmental Consulting, Inc.  
**Project:** Former Leake Oil; 448 E. Taggart St., East Palesti  
**Sample ID:** MW-04  
**Collection Date:** 6/19/2024 10:58 AM

**Work Order:** 24060754  
**Lab ID:** 24060754-31  
**Matrix:** WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
5-Nitro-o-toluidine	ND		10.0	µg/L	1	6/26/2024 07:56 PM
7,12-Dimethylbenz(a)anthracene	ND		10.0	µg/L	1	6/26/2024 07:56 PM
Acenaphthene	ND		0.200	µg/L	1	6/26/2024 07:56 PM
Acenaphthylene	ND		0.200	µg/L	1	6/26/2024 07:56 PM
Acetophenone	ND		10.0	µg/L	1	6/26/2024 07:56 PM
Aniline	ND		10.0	µg/L	1	6/26/2024 07:56 PM
Anthracene	ND		0.200	µg/L	1	6/26/2024 07:56 PM
Azobenzene	ND		10.0	µg/L	1	6/26/2024 07:56 PM
Benzidine	ND		10.0	µg/L	1	6/26/2024 07:56 PM
Benzo(g,h,i)perylene	ND		0.200	µg/L	1	6/26/2024 07:56 PM
Benzo[a]anthracene	ND		0.200	µg/L	1	6/26/2024 07:56 PM
Benzo[a]pyrene	ND		0.200	µg/L	1	6/26/2024 07:56 PM
Benzo[b]fluoranthene	ND		0.200	µg/L	1	6/26/2024 07:56 PM
Benzo[k]fluoranthene	ND		0.200	µg/L	1	6/26/2024 07:56 PM
Benzyl alcohol	ND		10.0	µg/L	1	6/26/2024 07:56 PM
Bis(2-chloroethoxy)methane	ND		10.0	µg/L	1	6/26/2024 07:56 PM
Bis(2-chloroethyl)ether	ND		10.0	µg/L	1	6/26/2024 07:56 PM
Bis(2-chloroisopropyl)ether	ND		10.0	µg/L	1	6/26/2024 07:56 PM
Bis(2-ethylhexyl)phthalate	ND		10.0	µg/L	1	6/26/2024 07:56 PM
Butyl benzyl phthalate	ND		10.0	µg/L	1	6/26/2024 07:56 PM
Carbazole	ND		0.200	µg/L	1	6/26/2024 07:56 PM
Chrysene	ND		0.200	µg/L	1	6/26/2024 07:56 PM
Dibenz[a,h]anthracene	ND		0.200	µg/L	1	6/26/2024 07:56 PM
Dibenzofuran	ND		0.200	µg/L	1	6/26/2024 07:56 PM
Diethyl phthalate	ND		10.0	µg/L	1	6/26/2024 07:56 PM
Dimethyl phthalate	ND		10.0	µg/L	1	6/26/2024 07:56 PM
Di-n-butyl phthalate	ND		10.0	µg/L	1	6/26/2024 07:56 PM
Di-n-octyl phthalate	ND		10.0	µg/L	1	6/26/2024 07:56 PM
Dinoseb	ND		10.0	µg/L	1	6/26/2024 07:56 PM
Diphenylamine	ND		10.0	µg/L	1	6/26/2024 07:56 PM
Ethyl methanesulfonate	ND		10.0	µg/L	1	6/26/2024 07:56 PM
Fluoranthene	ND		0.200	µg/L	1	6/26/2024 07:56 PM
Fluorene	ND		0.200	µg/L	1	6/26/2024 07:56 PM
Hexachlorobenzene	ND		10.0	µg/L	1	6/26/2024 07:56 PM
Hexachlorobutadiene	ND		10.0	µg/L	1	6/26/2024 07:56 PM
Hexachlorocyclopentadiene	ND		10.0	µg/L	1	6/26/2024 07:56 PM
Hexachloroethane	ND		10.0	µg/L	1	6/26/2024 07:56 PM
Indeno[1,2,3-cd]pyrene	ND		0.200	µg/L	1	6/26/2024 07:56 PM
Isophorone	ND		10.0	µg/L	1	6/26/2024 07:56 PM
Isosafrole	ND		10.0	µg/L	1	6/26/2024 07:56 PM

Note:

# ALS Environmental

Date: 08-Jul-24

**Client:** Partners Environmental Consulting, Inc.  
**Project:** Former Leake Oil; 448 E. Taggart St., East Palesti  
**Sample ID:** MW-04  
**Collection Date:** 6/19/2024 10:58 AM

**Work Order:** 24060754  
**Lab ID:** 24060754-31  
**Matrix:** WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Methapyrilene	ND		10.0	µg/L	1	6/26/2024 07:56 PM
Methyl methanesulfonate	ND		10.0	µg/L	1	6/26/2024 07:56 PM
Naphthalene	ND		10.0	µg/L	1	6/26/2024 07:56 PM
Nitrobenzene	ND		10.0	µg/L	1	6/26/2024 07:56 PM
N-Nitrosodiethylamine	ND		10.0	µg/L	1	6/26/2024 07:56 PM
N-Nitrosodimethylamine	ND		10.0	µg/L	1	6/26/2024 07:56 PM
N-Nitroso-di-n-butylamine	ND		10.0	µg/L	1	6/26/2024 07:56 PM
N-Nitrosodi-n-propylamine	ND		10.0	µg/L	1	6/26/2024 07:56 PM
N-Nitrosomethylethylamine	ND		10.0	µg/L	1	6/26/2024 07:56 PM
N-Nitrosomorpholine	ND		10.0	µg/L	1	6/26/2024 07:56 PM
N-Nitrosopiperidine	ND		10.0	µg/L	1	6/26/2024 07:56 PM
N-Nitrosopyrrolidine	ND		10.0	µg/L	1	6/26/2024 07:56 PM
o-Toluidine	ND		10.0	µg/L	1	6/26/2024 07:56 PM
p-Dimethylaminoazobenzene	ND		10.0	µg/L	1	6/26/2024 07:56 PM
Pentachlorobenzene	ND		10.0	µg/L	1	6/26/2024 07:56 PM
Pentachloroethane	ND		10.0	µg/L	1	6/26/2024 07:56 PM
Pentachloronitrobenzene	ND		10.0	µg/L	1	6/26/2024 07:56 PM
Pentachlorophenol	ND		10.0	µg/L	1	6/26/2024 07:56 PM
Phenacetin	ND		10.0	µg/L	1	6/26/2024 07:56 PM
Phenanthrene	ND		0.200	µg/L	1	6/26/2024 07:56 PM
Phenol	ND		10.0	µg/L	1	6/26/2024 07:56 PM
Pyrene	ND		0.200	µg/L	1	6/26/2024 07:56 PM
Pyridine	ND		10.0	µg/L	1	6/26/2024 07:56 PM
Safrole	ND		10.0	µg/L	1	6/26/2024 07:56 PM
Surr: 2,4,6-Tribromophenol	94.6		9.92-114	%REC	1	6/26/2024 07:56 PM
Surr: 2-Fluorobiphenyl	77.2		31.5-129	%REC	1	6/26/2024 07:56 PM
Surr: 2-Fluorophenol	47.2		12-89	%REC	1	6/26/2024 07:56 PM
Surr: 4-Terphenyl-d14	70.8		38.3-160	%REC	1	6/26/2024 07:56 PM
Surr: Nitrobenzene-d5	81.2		28-120	%REC	1	6/26/2024 07:56 PM
Surr: Phenol-d6	33.3		4.27-70.1	%REC	1	6/26/2024 07:56 PM

## VOLATILE ORGANIC COMPOUNDS

SW8260B

Analyst: TJH

1,1,1,2-Tetrachloroethane	ND		5.0	µg/L	1	6/22/2024 03:54 PM
1,1,1-Trichloroethane	ND		5.0	µg/L	1	6/22/2024 03:54 PM
1,1,2,2-Tetrachloroethane	ND		5.0	µg/L	1	6/22/2024 03:54 PM
1,1,2-Trichloroethane	ND		5.0	µg/L	1	6/22/2024 03:54 PM
1,1-Dichloroethane	ND		5.0	µg/L	1	6/22/2024 03:54 PM
1,1-Dichloroethene	ND		5.0	µg/L	1	6/22/2024 03:54 PM
1,1-Dichloropropene	ND		5.0	µg/L	1	6/22/2024 03:54 PM
1,2,3-Trichlorobenzene	ND		5.0	µg/L	1	6/22/2024 03:54 PM
1,2,3-Trichloropropane	ND		5.0	µg/L	1	6/22/2024 03:54 PM

Note:

# ALS Environmental

Date: 08-Jul-24

Client: Partners Environmental Consulting, Inc.  
 Project: Former Leake Oil; 448 E. Taggart St., East Palesti  
 Sample ID: MW-04  
 Collection Date: 6/19/2024 10:58 AM

Work Order: 24060754  
 Lab ID: 24060754-31  
 Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1,2,4-Trichlorobenzene	ND		5.0	µg/L	1	6/22/2024 03:54 PM
1,2,4-Trimethylbenzene	ND		5.0	µg/L	1	6/22/2024 03:54 PM
1,2-Dibromo-3-chloropropane	ND		0.20	µg/L	1	6/22/2024 03:54 PM
1,2-Dibromoethane	ND		0.050	µg/L	1	6/22/2024 03:54 PM
1,2-Dichlorobenzene	ND		5.0	µg/L	1	6/22/2024 03:54 PM
1,2-Dichloroethane	ND		5.0	µg/L	1	6/22/2024 03:54 PM
1,2-Dichloropropane	ND		5.0	µg/L	1	6/22/2024 03:54 PM
1,3,5-Trimethylbenzene	ND		5.0	µg/L	1	6/22/2024 03:54 PM
1,3-Dichlorobenzene	ND		5.0	µg/L	1	6/22/2024 03:54 PM
1,3-Dichloropropane	ND		5.0	µg/L	1	6/22/2024 03:54 PM
1,4-Dichlorobenzene	ND		5.0	µg/L	1	6/22/2024 03:54 PM
2,2-Dichloropropane	ND		5.0	µg/L	1	6/22/2024 03:54 PM
2-Butanone	ND		50	µg/L	1	6/22/2024 03:54 PM
2-Chlorotoluene	ND		5.0	µg/L	1	6/22/2024 03:54 PM
2-Hexanone	ND		5.0	µg/L	1	6/22/2024 03:54 PM
4-Chlorotoluene	ND		5.0	µg/L	1	6/22/2024 03:54 PM
4-Methyl-2-pentanone	ND		5.0	µg/L	1	6/22/2024 03:54 PM
Acetone	ND		50	µg/L	1	6/22/2024 03:54 PM
<b>Benzene</b>	<b>17</b>		<b>5.0</b>	<b>µg/L</b>	<b>1</b>	<b>6/22/2024 03:54 PM</b>
Bromobenzene	ND		5.0	µg/L	1	6/22/2024 03:54 PM
Bromochloromethane	ND		5.0	µg/L	1	6/22/2024 03:54 PM
Bromodichloromethane	ND		5.0	µg/L	1	6/22/2024 03:54 PM
Bromoform	ND		5.0	µg/L	1	6/22/2024 03:54 PM
Bromomethane	ND		5.0	µg/L	1	6/22/2024 03:54 PM
Carbon disulfide	ND		5.0	µg/L	1	6/22/2024 03:54 PM
Carbon tetrachloride	ND		5.0	µg/L	1	6/22/2024 03:54 PM
Chlorobenzene	ND		5.0	µg/L	1	6/22/2024 03:54 PM
Chloroethane	ND		5.0	µg/L	1	6/22/2024 03:54 PM
Chloroform	ND		5.0	µg/L	1	6/22/2024 03:54 PM
Chloromethane	ND		5.0	µg/L	1	6/22/2024 03:54 PM
cis-1,2-Dichloroethene	ND		5.0	µg/L	1	6/22/2024 03:54 PM
cis-1,3-Dichloropropene	ND		5.0	µg/L	1	6/22/2024 03:54 PM
Dibromochloromethane	ND		5.0	µg/L	1	6/22/2024 03:54 PM
Dibromomethane	ND		5.0	µg/L	1	6/22/2024 03:54 PM
Dichlorodifluoromethane	ND		5.0	µg/L	1	6/22/2024 03:54 PM
Ethylbenzene	ND		5.0	µg/L	1	6/22/2024 03:54 PM
Hexachlorobutadiene	ND		5.0	µg/L	1	6/22/2024 03:54 PM
Isopropylbenzene	ND		5.0	µg/L	1	6/22/2024 03:54 PM
m,p-Xylene	ND		10	µg/L	1	6/22/2024 03:54 PM
Methyl tert-butyl ether	ND		5.0	µg/L	1	6/22/2024 03:54 PM

Note:

# ALS Environmental

Date: 08-Jul-24

**Client:** Partners Environmental Consulting, Inc.  
**Project:** Former Leake Oil; 448 E. Taggart St., East Palesti  
**Sample ID:** MW-04  
**Collection Date:** 6/19/2024 10:58 AM

**Work Order:** 24060754  
**Lab ID:** 24060754-31  
**Matrix:** WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Methylene chloride	ND		5.0	µg/L	1	6/22/2024 03:54 PM
Naphthalene	ND		5.0	µg/L	1	6/22/2024 03:54 PM
n-Butylbenzene	ND		5.0	µg/L	1	6/22/2024 03:54 PM
n-Propylbenzene	ND		5.0	µg/L	1	6/22/2024 03:54 PM
o-Xylene	ND		5.0	µg/L	1	6/22/2024 03:54 PM
p-Isopropyltoluene	ND		5.0	µg/L	1	6/22/2024 03:54 PM
sec-Butylbenzene	ND		5.0	µg/L	1	6/22/2024 03:54 PM
Styrene	ND		5.0	µg/L	1	6/22/2024 03:54 PM
tert-Butylbenzene	ND		5.0	µg/L	1	6/22/2024 03:54 PM
Tetrachloroethene	ND		5.0	µg/L	1	6/22/2024 03:54 PM
Toluene	ND		5.0	µg/L	1	6/22/2024 03:54 PM
trans-1,2-Dichloroethene	ND		5.0	µg/L	1	6/22/2024 03:54 PM
trans-1,3-Dichloropropene	ND		5.0	µg/L	1	6/22/2024 03:54 PM
Trichloroethene	ND		5.0	µg/L	1	6/22/2024 03:54 PM
Trichlorofluoromethane	ND		5.0	µg/L	1	6/22/2024 03:54 PM
Vinyl chloride	ND		2.0	µg/L	1	6/22/2024 03:54 PM
Xylenes, Total	ND		15	µg/L	1	6/22/2024 03:54 PM
Surr: 4-Bromofluorobenzene	99.8		61-131	%REC	1	6/22/2024 03:54 PM
Surr: Dibromofluoromethane	96.9		72-137	%REC	1	6/22/2024 03:54 PM
Surr: Toluene-d8	99.0		93.7-124	%REC	1	6/22/2024 03:54 PM

Note:

# ALS Environmental

Date: 08-Jul-24

**Client:** Partners Environmental Consulting, Inc.  
**Project:** Former Leake Oil; 448 E. Taggart St., East Palesti  
**Sample ID:** EQ-25  
**Collection Date:** 6/19/2024 11:27 AM

**Work Order:** 24060754  
**Lab ID:** 24060754-32  
**Matrix:** WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
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## SEMI-VOLATILE ORGANIC COMPOUNDS

SW8270C

Prep: SW3510C 6/25/24 13:57

Analyst: DTL

1,2,4,5-Tetrachlorobenzene	ND		10.0	µg/L	1	6/26/2024 08:15 PM
1,2,4-Trichlorobenzene	ND		10.0	µg/L	1	6/26/2024 08:15 PM
1,2-Dichlorobenzene	ND		10.0	µg/L	1	6/26/2024 08:15 PM
1,3-Dichlorobenzene	ND		10.0	µg/L	1	6/26/2024 08:15 PM
1,3-Dinitrobenzene	ND		10.0	µg/L	1	6/26/2024 08:15 PM
1,4-Dichlorobenzene	ND		10.0	µg/L	1	6/26/2024 08:15 PM
1-Methylnaphthalene	ND		0.200	µg/L	1	6/26/2024 08:15 PM
1-Naphthylamine	ND		10.0	µg/L	1	6/26/2024 08:15 PM
2,3,4,6-Tetrachlorophenol	ND		10.0	µg/L	1	6/26/2024 08:15 PM
2,4,5-Trichlorophenol	ND		10.0	µg/L	1	6/26/2024 08:15 PM
2,4,6-Trichlorophenol	ND		10.0	µg/L	1	6/26/2024 08:15 PM
2,4-Dichlorophenol	ND		10.0	µg/L	1	6/26/2024 08:15 PM
2,4-Dimethylphenol	ND		10.0	µg/L	1	6/26/2024 08:15 PM
2,4-Dinitrophenol	ND		10.0	µg/L	1	6/26/2024 08:15 PM
2,4-Dinitrotoluene	ND		10.0	µg/L	1	6/26/2024 08:15 PM
2,6-Dichlorophenol	ND		10.0	µg/L	1	6/26/2024 08:15 PM
2,6-Dinitrotoluene	ND		10.0	µg/L	1	6/26/2024 08:15 PM
2-Acetylaminofluorene	ND		10.0	µg/L	1	6/26/2024 08:15 PM
2-Chloronaphthalene	ND		10.0	µg/L	1	6/26/2024 08:15 PM
2-Chlorophenol	ND		10.0	µg/L	1	6/26/2024 08:15 PM
2-Methylnaphthalene	ND		0.200	µg/L	1	6/26/2024 08:15 PM
2-Methylphenol	ND		10.0	µg/L	1	6/26/2024 08:15 PM
2-Naphthylamine	ND		10.0	µg/L	1	6/26/2024 08:15 PM
2-Nitroaniline	ND		10.0	µg/L	1	6/26/2024 08:15 PM
2-Nitrophenol	ND		10.0	µg/L	1	6/26/2024 08:15 PM
2-Picoline	ND		10.0	µg/L	1	6/26/2024 08:15 PM
3&4-Methylphenol	ND		10.0	µg/L	1	6/26/2024 08:15 PM
3,3'-Dichlorobenzidine	ND		10.0	µg/L	1	6/26/2024 08:15 PM
3-Methylcholanthrene	ND		10.0	µg/L	1	6/26/2024 08:15 PM
3-Nitroaniline	ND		10.0	µg/L	1	6/26/2024 08:15 PM
4,6-Dinitro-2-methylphenol	ND		10.0	µg/L	1	6/26/2024 08:15 PM
4-Aminobiphenyl	ND		10.0	µg/L	1	6/26/2024 08:15 PM
4-Bromophenyl phenyl ether	ND		10.0	µg/L	1	6/26/2024 08:15 PM
4-Chloro-3-methylphenol	ND		10.0	µg/L	1	6/26/2024 08:15 PM
4-Chloroaniline	ND		10.0	µg/L	1	6/26/2024 08:15 PM
4-Chlorophenyl phenyl ether	ND		10.0	µg/L	1	6/26/2024 08:15 PM
4-Nitroaniline	ND		10.0	µg/L	1	6/26/2024 08:15 PM
4-Nitrophenol	ND		10.0	µg/L	1	6/26/2024 08:15 PM
4-Nitroquinoline 1-oxide	ND		10.0	µg/L	1	6/26/2024 08:15 PM

Note:



# ALS Environmental

Date: 08-Jul-24

**Client:** Partners Environmental Consulting, Inc.  
**Project:** Former Leake Oil; 448 E. Taggart St., East Palesti  
**Sample ID:** EQ-25  
**Collection Date:** 6/19/2024 11:27 AM

**Work Order:** 24060754  
**Lab ID:** 24060754-32  
**Matrix:** WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
5-Nitro-o-toluidine	ND		10.0	µg/L	1	6/26/2024 08:15 PM
7,12-Dimethylbenz(a)anthracene	ND		10.0	µg/L	1	6/26/2024 08:15 PM
Acenaphthene	ND		0.200	µg/L	1	6/26/2024 08:15 PM
Acenaphthylene	ND		0.200	µg/L	1	6/26/2024 08:15 PM
Acetophenone	ND		10.0	µg/L	1	6/26/2024 08:15 PM
Aniline	ND		10.0	µg/L	1	6/26/2024 08:15 PM
Anthracene	ND		0.200	µg/L	1	6/26/2024 08:15 PM
Azobenzene	ND		10.0	µg/L	1	6/26/2024 08:15 PM
Benzidine	ND		10.0	µg/L	1	6/26/2024 08:15 PM
Benzo(g,h,i)perylene	ND		0.200	µg/L	1	6/26/2024 08:15 PM
Benzo[a]anthracene	ND		0.200	µg/L	1	6/26/2024 08:15 PM
Benzo[a]pyrene	ND		0.200	µg/L	1	6/26/2024 08:15 PM
Benzo[b]fluoranthene	ND		0.200	µg/L	1	6/26/2024 08:15 PM
Benzo[k]fluoranthene	ND		0.200	µg/L	1	6/26/2024 08:15 PM
Benzyl alcohol	ND		10.0	µg/L	1	6/26/2024 08:15 PM
Bis(2-chloroethoxy)methane	ND		10.0	µg/L	1	6/26/2024 08:15 PM
Bis(2-chloroethyl)ether	ND		10.0	µg/L	1	6/26/2024 08:15 PM
Bis(2-chloroisopropyl)ether	ND		10.0	µg/L	1	6/26/2024 08:15 PM
Bis(2-ethylhexyl)phthalate	ND		10.0	µg/L	1	6/26/2024 08:15 PM
Butyl benzyl phthalate	ND		10.0	µg/L	1	6/26/2024 08:15 PM
Carbazole	ND		0.200	µg/L	1	6/26/2024 08:15 PM
Chrysene	ND		0.200	µg/L	1	6/26/2024 08:15 PM
Dibenz[a,h]anthracene	ND		0.200	µg/L	1	6/26/2024 08:15 PM
Dibenzofuran	ND		0.200	µg/L	1	6/26/2024 08:15 PM
Diethyl phthalate	ND		10.0	µg/L	1	6/26/2024 08:15 PM
Dimethyl phthalate	ND		10.0	µg/L	1	6/26/2024 08:15 PM
Di-n-butyl phthalate	ND		10.0	µg/L	1	6/26/2024 08:15 PM
Di-n-octyl phthalate	ND		10.0	µg/L	1	6/26/2024 08:15 PM
Dinoseb	ND		10.0	µg/L	1	6/26/2024 08:15 PM
Diphenylamine	ND		10.0	µg/L	1	6/26/2024 08:15 PM
Ethyl methanesulfonate	ND		10.0	µg/L	1	6/26/2024 08:15 PM
Fluoranthene	ND		0.200	µg/L	1	6/26/2024 08:15 PM
Fluorene	ND		0.200	µg/L	1	6/26/2024 08:15 PM
Hexachlorobenzene	ND		10.0	µg/L	1	6/26/2024 08:15 PM
Hexachlorobutadiene	ND		10.0	µg/L	1	6/26/2024 08:15 PM
Hexachlorocyclopentadiene	ND		10.0	µg/L	1	6/26/2024 08:15 PM
Hexachloroethane	ND		10.0	µg/L	1	6/26/2024 08:15 PM
Indeno[1,2,3-cd]pyrene	ND		0.200	µg/L	1	6/26/2024 08:15 PM
Isophorone	ND		10.0	µg/L	1	6/26/2024 08:15 PM
Isosafrole	ND		10.0	µg/L	1	6/26/2024 08:15 PM

Note:

# ALS Environmental

Date: 08-Jul-24

**Client:** Partners Environmental Consulting, Inc.  
**Project:** Former Leake Oil; 448 E. Taggart St., East Palesti  
**Sample ID:** EQ-25  
**Collection Date:** 6/19/2024 11:27 AM

**Work Order:** 24060754  
**Lab ID:** 24060754-32  
**Matrix:** WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Methapyrilene	ND		10.0	µg/L	1	6/26/2024 08:15 PM
Methyl methanesulfonate	ND		10.0	µg/L	1	6/26/2024 08:15 PM
Naphthalene	ND		10.0	µg/L	1	6/26/2024 08:15 PM
Nitrobenzene	ND		10.0	µg/L	1	6/26/2024 08:15 PM
N-Nitrosodiethylamine	ND		10.0	µg/L	1	6/26/2024 08:15 PM
N-Nitrosodimethylamine	ND		10.0	µg/L	1	6/26/2024 08:15 PM
N-Nitroso-di-n-butylamine	ND		10.0	µg/L	1	6/26/2024 08:15 PM
N-Nitrosodi-n-propylamine	ND		10.0	µg/L	1	6/26/2024 08:15 PM
N-Nitrosomethylethylamine	ND		10.0	µg/L	1	6/26/2024 08:15 PM
N-Nitrosomorpholine	ND		10.0	µg/L	1	6/26/2024 08:15 PM
N-Nitrosopiperidine	ND		10.0	µg/L	1	6/26/2024 08:15 PM
N-Nitrosopyrrolidine	ND		10.0	µg/L	1	6/26/2024 08:15 PM
o-Toluidine	ND		10.0	µg/L	1	6/26/2024 08:15 PM
p-Dimethylaminoazobenzene	ND		10.0	µg/L	1	6/26/2024 08:15 PM
Pentachlorobenzene	ND		10.0	µg/L	1	6/26/2024 08:15 PM
Pentachloroethane	ND		10.0	µg/L	1	6/26/2024 08:15 PM
Pentachloronitrobenzene	ND		10.0	µg/L	1	6/26/2024 08:15 PM
Pentachlorophenol	ND		10.0	µg/L	1	6/26/2024 08:15 PM
Phenacetin	ND		10.0	µg/L	1	6/26/2024 08:15 PM
Phenanthrene	ND		0.200	µg/L	1	6/26/2024 08:15 PM
Phenol	ND		10.0	µg/L	1	6/26/2024 08:15 PM
Pyrene	ND		0.200	µg/L	1	6/26/2024 08:15 PM
Pyridine	ND		10.0	µg/L	1	6/26/2024 08:15 PM
Safrole	ND		10.0	µg/L	1	6/26/2024 08:15 PM
Surr: 2,4,6-Tribromophenol	81.8		9.92-114	%REC	1	6/26/2024 08:15 PM
Surr: 2-Fluorobiphenyl	70.6		31.5-129	%REC	1	6/26/2024 08:15 PM
Surr: 2-Fluorophenol	46.1		12-89	%REC	1	6/26/2024 08:15 PM
Surr: 4-Terphenyl-d14	79.9		38.3-160	%REC	1	6/26/2024 08:15 PM
Surr: Nitrobenzene-d5	76.4		28-120	%REC	1	6/26/2024 08:15 PM
Surr: Phenol-d6	30.7		4.27-70.1	%REC	1	6/26/2024 08:15 PM

## VOLATILE ORGANIC COMPOUNDS

SW8260B

Analyst: TJH

1,1,1,2-Tetrachloroethane	ND		5.0	µg/L	1	6/25/2024 01:34 PM
1,1,1-Trichloroethane	ND		5.0	µg/L	1	6/25/2024 01:34 PM
1,1,2,2-Tetrachloroethane	ND		5.0	µg/L	1	6/25/2024 01:34 PM
1,1,2-Trichloroethane	ND		5.0	µg/L	1	6/25/2024 01:34 PM
1,1-Dichloroethane	ND		5.0	µg/L	1	6/25/2024 01:34 PM
1,1-Dichloroethene	ND		5.0	µg/L	1	6/25/2024 01:34 PM
1,1-Dichloropropene	ND		5.0	µg/L	1	6/25/2024 01:34 PM
1,2,3-Trichlorobenzene	ND		5.0	µg/L	1	6/25/2024 01:34 PM
1,2,3-Trichloropropane	ND		5.0	µg/L	1	6/25/2024 01:34 PM

Note:

# ALS Environmental

Date: 08-Jul-24

Client: Partners Environmental Consulting, Inc.  
 Project: Former Leake Oil; 448 E. Taggart St., East Palesti  
 Sample ID: EQ-25  
 Collection Date: 6/19/2024 11:27 AM

Work Order: 24060754  
 Lab ID: 24060754-32  
 Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1,2,4-Trichlorobenzene	ND		5.0	µg/L	1	6/25/2024 01:34 PM
1,2,4-Trimethylbenzene	ND		5.0	µg/L	1	6/25/2024 01:34 PM
1,2-Dibromo-3-chloropropane	ND		0.20	µg/L	1	6/25/2024 01:34 PM
1,2-Dibromoethane	ND		0.050	µg/L	1	6/25/2024 01:34 PM
1,2-Dichlorobenzene	ND		5.0	µg/L	1	6/25/2024 01:34 PM
1,2-Dichloroethane	ND		5.0	µg/L	1	6/25/2024 01:34 PM
1,2-Dichloropropane	ND		5.0	µg/L	1	6/25/2024 01:34 PM
1,3,5-Trimethylbenzene	ND		5.0	µg/L	1	6/25/2024 01:34 PM
1,3-Dichlorobenzene	ND		5.0	µg/L	1	6/25/2024 01:34 PM
1,3-Dichloropropane	ND		5.0	µg/L	1	6/25/2024 01:34 PM
1,4-Dichlorobenzene	ND		5.0	µg/L	1	6/25/2024 01:34 PM
2,2-Dichloropropane	ND		5.0	µg/L	1	6/25/2024 01:34 PM
2-Butanone	ND		50	µg/L	1	6/25/2024 01:34 PM
2-Chlorotoluene	ND		5.0	µg/L	1	6/25/2024 01:34 PM
2-Hexanone	ND		5.0	µg/L	1	6/25/2024 01:34 PM
4-Chlorotoluene	ND		5.0	µg/L	1	6/25/2024 01:34 PM
4-Methyl-2-pentanone	ND		5.0	µg/L	1	6/25/2024 01:34 PM
Acetone	ND		50	µg/L	1	6/25/2024 01:34 PM
Benzene	ND		5.0	µg/L	1	6/25/2024 01:34 PM
Bromobenzene	ND		5.0	µg/L	1	6/25/2024 01:34 PM
Bromochloromethane	ND		5.0	µg/L	1	6/25/2024 01:34 PM
Bromodichloromethane	ND		5.0	µg/L	1	6/25/2024 01:34 PM
Bromoform	ND		5.0	µg/L	1	6/25/2024 01:34 PM
Bromomethane	ND		5.0	µg/L	1	6/25/2024 01:34 PM
Carbon disulfide	ND		5.0	µg/L	1	6/25/2024 01:34 PM
Carbon tetrachloride	ND		5.0	µg/L	1	6/25/2024 01:34 PM
Chlorobenzene	ND		5.0	µg/L	1	6/25/2024 01:34 PM
Chloroethane	ND		5.0	µg/L	1	6/25/2024 01:34 PM
Chloroform	ND		5.0	µg/L	1	6/25/2024 01:34 PM
Chloromethane	ND		5.0	µg/L	1	6/25/2024 01:34 PM
cis-1,2-Dichloroethene	ND		5.0	µg/L	1	6/25/2024 01:34 PM
cis-1,3-Dichloropropene	ND		5.0	µg/L	1	6/25/2024 01:34 PM
Dibromochloromethane	ND		5.0	µg/L	1	6/25/2024 01:34 PM
Dibromomethane	ND		5.0	µg/L	1	6/25/2024 01:34 PM
Dichlorodifluoromethane	ND		5.0	µg/L	1	6/25/2024 01:34 PM
Ethylbenzene	ND		5.0	µg/L	1	6/25/2024 01:34 PM
Hexachlorobutadiene	ND		5.0	µg/L	1	6/25/2024 01:34 PM
Isopropylbenzene	ND		5.0	µg/L	1	6/25/2024 01:34 PM
m,p-Xylene	ND		10	µg/L	1	6/25/2024 01:34 PM
Methyl tert-butyl ether	ND		5.0	µg/L	1	6/25/2024 01:34 PM

Note:

# ALS Environmental

Date: 08-Jul-24

Client: Partners Environmental Consulting, Inc.  
 Project: Former Leake Oil; 448 E. Taggart St., East Palesti  
 Sample ID: EQ-25  
 Collection Date: 6/19/2024 11:27 AM

Work Order: 24060754  
 Lab ID: 24060754-32  
 Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Methylene chloride	ND		5.0	µg/L	1	6/25/2024 01:34 PM
Naphthalene	ND		5.0	µg/L	1	6/25/2024 01:34 PM
n-Butylbenzene	ND		5.0	µg/L	1	6/25/2024 01:34 PM
n-Propylbenzene	ND		5.0	µg/L	1	6/25/2024 01:34 PM
o-Xylene	ND		5.0	µg/L	1	6/25/2024 01:34 PM
p-Isopropyltoluene	ND		5.0	µg/L	1	6/25/2024 01:34 PM
sec-Butylbenzene	ND		5.0	µg/L	1	6/25/2024 01:34 PM
Styrene	ND		5.0	µg/L	1	6/25/2024 01:34 PM
tert-Butylbenzene	ND		5.0	µg/L	1	6/25/2024 01:34 PM
Tetrachloroethene	ND		5.0	µg/L	1	6/25/2024 01:34 PM
Toluene	ND		5.0	µg/L	1	6/25/2024 01:34 PM
trans-1,2-Dichloroethene	ND		5.0	µg/L	1	6/25/2024 01:34 PM
trans-1,3-Dichloropropene	ND		5.0	µg/L	1	6/25/2024 01:34 PM
Trichloroethene	ND		5.0	µg/L	1	6/25/2024 01:34 PM
Trichlorofluoromethane	ND		5.0	µg/L	1	6/25/2024 01:34 PM
Vinyl chloride	ND		2.0	µg/L	1	6/25/2024 01:34 PM
Xylenes, Total	ND		15	µg/L	1	6/25/2024 01:34 PM
Surr: 4-Bromofluorobenzene	104		61-131	%REC	1	6/25/2024 01:34 PM
Surr: Dibromofluoromethane	110		72-137	%REC	1	6/25/2024 01:34 PM
Surr: Toluene-d8	102		93.7-124	%REC	1	6/25/2024 01:34 PM

Note:

# ALS Environmental

Date: 08-Jul-24

**Client:** Partners Environmental Consulting, Inc.  
**Project:** Former Leake Oil; 448 E. Taggart St., East Palesti  
**Sample ID:** MW-05  
**Collection Date:** 6/19/2024 12:05 PM

**Work Order:** 24060754  
**Lab ID:** 24060754-33  
**Matrix:** WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>SEMI-VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8270C</b>	Prep: SW3510C 6/25/24 13:57	Analyst: DTL	
1,2,4,5-Tetrachlorobenzene	ND		9.62	µg/L	1	6/26/2024 08:34 PM
1,2,4-Trichlorobenzene	ND		9.62	µg/L	1	6/26/2024 08:34 PM
1,2-Dichlorobenzene	ND		9.62	µg/L	1	6/26/2024 08:34 PM
1,3-Dichlorobenzene	ND		9.62	µg/L	1	6/26/2024 08:34 PM
1,3-Dinitrobenzene	ND		9.62	µg/L	1	6/26/2024 08:34 PM
1,4-Dichlorobenzene	ND		9.62	µg/L	1	6/26/2024 08:34 PM
<b>1-Methylnaphthalene</b>	<b>8.48</b>		<b>0.192</b>	<b>µg/L</b>	1	6/26/2024 08:34 PM
1-Naphthylamine	ND		9.62	µg/L	1	6/26/2024 08:34 PM
2,3,4,6-Tetrachlorophenol	ND		9.62	µg/L	1	6/26/2024 08:34 PM
2,4,5-Trichlorophenol	ND		9.62	µg/L	1	6/26/2024 08:34 PM
2,4,6-Trichlorophenol	ND		9.62	µg/L	1	6/26/2024 08:34 PM
2,4-Dichlorophenol	ND		9.62	µg/L	1	6/26/2024 08:34 PM
2,4-Dimethylphenol	ND		9.62	µg/L	1	6/26/2024 08:34 PM
2,4-Dinitrophenol	ND		9.62	µg/L	1	6/26/2024 08:34 PM
2,4-Dinitrotoluene	ND		9.62	µg/L	1	6/26/2024 08:34 PM
2,6-Dichlorophenol	ND		9.62	µg/L	1	6/26/2024 08:34 PM
2,6-Dinitrotoluene	ND		9.62	µg/L	1	6/26/2024 08:34 PM
2-Acetylaminofluorene	ND		9.62	µg/L	1	6/26/2024 08:34 PM
2-Chloronaphthalene	ND		9.62	µg/L	1	6/26/2024 08:34 PM
2-Chlorophenol	ND		9.62	µg/L	1	6/26/2024 08:34 PM
<b>2-Methylnaphthalene</b>	<b>1.26</b>		<b>0.192</b>	<b>µg/L</b>	1	6/26/2024 08:34 PM
2-Methylphenol	ND		9.62	µg/L	1	6/26/2024 08:34 PM
2-Naphthylamine	ND		9.62	µg/L	1	6/26/2024 08:34 PM
2-Nitroaniline	ND		9.62	µg/L	1	6/26/2024 08:34 PM
2-Nitrophenol	ND		9.62	µg/L	1	6/26/2024 08:34 PM
2-Picoline	ND		9.62	µg/L	1	6/26/2024 08:34 PM
3&4-Methylphenol	ND		9.62	µg/L	1	6/26/2024 08:34 PM
3,3'-Dichlorobenzidine	ND		9.62	µg/L	1	6/26/2024 08:34 PM
3-Methylcholanthrene	ND		9.62	µg/L	1	6/26/2024 08:34 PM
3-Nitroaniline	ND		9.62	µg/L	1	6/26/2024 08:34 PM
4,6-Dinitro-2-methylphenol	ND		9.62	µg/L	1	6/26/2024 08:34 PM
4-Aminobiphenyl	ND		9.62	µg/L	1	6/26/2024 08:34 PM
4-Bromophenyl phenyl ether	ND		9.62	µg/L	1	6/26/2024 08:34 PM
4-Chloro-3-methylphenol	ND		9.62	µg/L	1	6/26/2024 08:34 PM
4-Chloroaniline	ND		9.62	µg/L	1	6/26/2024 08:34 PM
4-Chlorophenyl phenyl ether	ND		9.62	µg/L	1	6/26/2024 08:34 PM
4-Nitroaniline	ND		9.62	µg/L	1	6/26/2024 08:34 PM
4-Nitrophenol	ND		9.62	µg/L	1	6/26/2024 08:34 PM
4-Nitroquinoline 1-oxide	ND		9.62	µg/L	1	6/26/2024 08:34 PM

Note:

# ALS Environmental

Date: 08-Jul-24

**Client:** Partners Environmental Consulting, Inc.  
**Project:** Former Leake Oil; 448 E. Taggert St., East Palesti  
**Sample ID:** MW-05  
**Collection Date:** 6/19/2024 12:05 PM

**Work Order:** 24060754  
**Lab ID:** 24060754-33  
**Matrix:** WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
5-Nitro-o-toluidine	ND		9.62	µg/L	1	6/26/2024 08:34 PM
7,12-Dimethylbenz(a)anthracene	ND		9.62	µg/L	1	6/26/2024 08:34 PM
<b>Acenaphthene</b>	<b>1.98</b>		<b>0.192</b>	<b>µg/L</b>	1	6/26/2024 08:34 PM
Acenaphthylene	ND		0.192	µg/L	1	6/26/2024 08:34 PM
Acetophenone	ND		9.62	µg/L	1	6/26/2024 08:34 PM
Aniline	ND		9.62	µg/L	1	6/26/2024 08:34 PM
<b>Anthracene</b>	<b>0.381</b>		<b>0.192</b>	<b>µg/L</b>	1	6/26/2024 08:34 PM
Azobenzene	ND		9.62	µg/L	1	6/26/2024 08:34 PM
Benzidine	ND		9.62	µg/L	1	6/26/2024 08:34 PM
Benzo(g,h,i)perylene	ND		0.192	µg/L	1	6/26/2024 08:34 PM
Benzo[a]anthracene	ND		0.192	µg/L	1	6/26/2024 08:34 PM
Benzo[a]pyrene	ND		0.192	µg/L	1	6/26/2024 08:34 PM
Benzo[b]fluoranthene	ND		0.192	µg/L	1	6/26/2024 08:34 PM
Benzo[k]fluoranthene	ND		0.192	µg/L	1	6/26/2024 08:34 PM
Benzyl alcohol	ND		9.62	µg/L	1	6/26/2024 08:34 PM
Bis(2-chloroethoxy)methane	ND		9.62	µg/L	1	6/26/2024 08:34 PM
Bis(2-chloroethyl)ether	ND		9.62	µg/L	1	6/26/2024 08:34 PM
Bis(2-chloroisopropyl)ether	ND		9.62	µg/L	1	6/26/2024 08:34 PM
Bis(2-ethylhexyl)phthalate	ND		9.62	µg/L	1	6/26/2024 08:34 PM
Butyl benzyl phthalate	ND		9.62	µg/L	1	6/26/2024 08:34 PM
Carbazole	ND		0.192	µg/L	1	6/26/2024 08:34 PM
Chrysene	ND		0.192	µg/L	1	6/26/2024 08:34 PM
Dibenz[a,h]anthracene	ND		0.192	µg/L	1	6/26/2024 08:34 PM
<b>Dibenzofuran</b>	<b>0.342</b>		<b>0.192</b>	<b>µg/L</b>	1	6/26/2024 08:34 PM
Diethyl phthalate	ND		9.62	µg/L	1	6/26/2024 08:34 PM
Dimethyl phthalate	ND		9.62	µg/L	1	6/26/2024 08:34 PM
Di-n-butyl phthalate	ND		9.62	µg/L	1	6/26/2024 08:34 PM
Di-n-octyl phthalate	ND		9.62	µg/L	1	6/26/2024 08:34 PM
Dinoseb	ND		9.62	µg/L	1	6/26/2024 08:34 PM
Diphenylamine	ND		9.62	µg/L	1	6/26/2024 08:34 PM
Ethyl methanesulfonate	ND		9.62	µg/L	1	6/26/2024 08:34 PM
Fluoranthene	ND		0.192	µg/L	1	6/26/2024 08:34 PM
<b>Fluorene</b>	<b>2.09</b>		<b>0.192</b>	<b>µg/L</b>	1	6/26/2024 08:34 PM
Hexachlorobenzene	ND		9.62	µg/L	1	6/26/2024 08:34 PM
Hexachlorobutadiene	ND		9.62	µg/L	1	6/26/2024 08:34 PM
Hexachlorocyclopentadiene	ND		9.62	µg/L	1	6/26/2024 08:34 PM
Hexachloroethane	ND		9.62	µg/L	1	6/26/2024 08:34 PM
Indeno[1,2,3-cd]pyrene	ND		0.192	µg/L	1	6/26/2024 08:34 PM
Isophorone	ND		9.62	µg/L	1	6/26/2024 08:34 PM
Isosafrole	ND		9.62	µg/L	1	6/26/2024 08:34 PM

Note:

# ALS Environmental

Date: 08-Jul-24

**Client:** Partners Environmental Consulting, Inc.  
**Project:** Former Leake Oil; 448 E. Taggart St., East Palesti  
**Sample ID:** MW-05  
**Collection Date:** 6/19/2024 12:05 PM

**Work Order:** 24060754  
**Lab ID:** 24060754-33  
**Matrix:** WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Methapyrilene	ND		9.62	µg/L	1	6/26/2024 08:34 PM
Methyl methanesulfonate	ND		9.62	µg/L	1	6/26/2024 08:34 PM
Naphthalene	ND		9.62	µg/L	1	6/26/2024 08:34 PM
Nitrobenzene	ND		9.62	µg/L	1	6/26/2024 08:34 PM
N-Nitrosodiethylamine	ND		9.62	µg/L	1	6/26/2024 08:34 PM
N-Nitrosodimethylamine	ND		9.62	µg/L	1	6/26/2024 08:34 PM
N-Nitroso-di-n-butylamine	ND		9.62	µg/L	1	6/26/2024 08:34 PM
N-Nitrosodi-n-propylamine	ND		9.62	µg/L	1	6/26/2024 08:34 PM
N-Nitrosomethylethylamine	ND		9.62	µg/L	1	6/26/2024 08:34 PM
N-Nitrosomorpholine	ND		9.62	µg/L	1	6/26/2024 08:34 PM
N-Nitrosopiperidine	ND		9.62	µg/L	1	6/26/2024 08:34 PM
N-Nitrosopyrrolidine	ND		9.62	µg/L	1	6/26/2024 08:34 PM
o-Toluidine	ND		9.62	µg/L	1	6/26/2024 08:34 PM
p-Dimethylaminoazobenzene	ND		9.62	µg/L	1	6/26/2024 08:34 PM
Pentachlorobenzene	ND		9.62	µg/L	1	6/26/2024 08:34 PM
Pentachloroethane	ND		9.62	µg/L	1	6/26/2024 08:34 PM
Pentachloronitrobenzene	ND		9.62	µg/L	1	6/26/2024 08:34 PM
Pentachlorophenol	ND		9.62	µg/L	1	6/26/2024 08:34 PM
Phenacetin	ND		9.62	µg/L	1	6/26/2024 08:34 PM
<b>Phenanthrene</b>	<b>1.94</b>		<b>0.192</b>	<b>µg/L</b>	1	6/26/2024 08:34 PM
Phenol	ND		9.62	µg/L	1	6/26/2024 08:34 PM
Pyrene	ND		0.192	µg/L	1	6/26/2024 08:34 PM
Pyridine	ND		9.62	µg/L	1	6/26/2024 08:34 PM
Safrole	ND		9.62	µg/L	1	6/26/2024 08:34 PM
Surr: 2,4,6-Tribromophenol	87.3		9.92-114	%REC	1	6/26/2024 08:34 PM
Surr: 2-Fluorobiphenyl	76.0		31.5-129	%REC	1	6/26/2024 08:34 PM
Surr: 2-Fluorophenol	48.8		12-89	%REC	1	6/26/2024 08:34 PM
Surr: 4-Terphenyl-d14	70.4		38.3-160	%REC	1	6/26/2024 08:34 PM
Surr: Nitrobenzene-d5	81.7		28-120	%REC	1	6/26/2024 08:34 PM
Surr: Phenol-d6	32.4		4.27-70.1	%REC	1	6/26/2024 08:34 PM

## VOLATILE ORGANIC COMPOUNDS

SW8260B

Analyst: TJH

1,1,1,2-Tetrachloroethane	ND		5.0	µg/L	1	6/26/2024 06:08 PM
1,1,1-Trichloroethane	ND		5.0	µg/L	1	6/26/2024 06:08 PM
1,1,2,2-Tetrachloroethane	ND		5.0	µg/L	1	6/26/2024 06:08 PM
1,1,2-Trichloroethane	ND		5.0	µg/L	1	6/26/2024 06:08 PM
1,1-Dichloroethane	ND		5.0	µg/L	1	6/26/2024 06:08 PM
1,1-Dichloroethene	ND		5.0	µg/L	1	6/26/2024 06:08 PM
1,1-Dichloropropene	ND		5.0	µg/L	1	6/26/2024 06:08 PM
1,2,3-Trichlorobenzene	ND		5.0	µg/L	1	6/26/2024 06:08 PM
1,2,3-Trichloropropane	ND		5.0	µg/L	1	6/26/2024 06:08 PM

Note:



# ALS Environmental

Date: 08-Jul-24

Client: Partners Environmental Consulting, Inc.  
 Project: Former Leake Oil; 448 E. Taggart St., East Palesti  
 Sample ID: MW-05  
 Collection Date: 6/19/2024 12:05 PM

Work Order: 24060754  
 Lab ID: 24060754-33  
 Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1,2,4-Trichlorobenzene	ND		5.0	µg/L	1	6/26/2024 06:08 PM
1,2,4-Trimethylbenzene	ND		5.0	µg/L	1	6/26/2024 06:08 PM
1,2-Dibromo-3-chloropropane	ND		0.20	µg/L	1	6/26/2024 06:08 PM
1,2-Dibromoethane	ND		0.050	µg/L	1	6/26/2024 06:08 PM
1,2-Dichlorobenzene	ND		5.0	µg/L	1	6/26/2024 06:08 PM
1,2-Dichloroethane	ND		5.0	µg/L	1	6/26/2024 06:08 PM
1,2-Dichloropropane	ND		5.0	µg/L	1	6/26/2024 06:08 PM
1,3,5-Trimethylbenzene	ND		5.0	µg/L	1	6/26/2024 06:08 PM
1,3-Dichlorobenzene	ND		5.0	µg/L	1	6/26/2024 06:08 PM
1,3-Dichloropropane	ND		5.0	µg/L	1	6/26/2024 06:08 PM
1,4-Dichlorobenzene	ND		5.0	µg/L	1	6/26/2024 06:08 PM
2,2-Dichloropropane	ND		5.0	µg/L	1	6/26/2024 06:08 PM
2-Butanone	ND		50	µg/L	1	6/26/2024 06:08 PM
2-Chlorotoluene	ND		5.0	µg/L	1	6/26/2024 06:08 PM
2-Hexanone	ND		5.0	µg/L	1	6/26/2024 06:08 PM
4-Chlorotoluene	ND		5.0	µg/L	1	6/26/2024 06:08 PM
4-Methyl-2-pentanone	ND		5.0	µg/L	1	6/26/2024 06:08 PM
Acetone	ND		50	µg/L	1	6/26/2024 06:08 PM
Benzene	ND		5.0	µg/L	1	6/26/2024 06:08 PM
Bromobenzene	ND		5.0	µg/L	1	6/26/2024 06:08 PM
Bromochloromethane	ND		5.0	µg/L	1	6/26/2024 06:08 PM
Bromodichloromethane	ND		5.0	µg/L	1	6/26/2024 06:08 PM
Bromoform	ND		5.0	µg/L	1	6/26/2024 06:08 PM
Bromomethane	ND		5.0	µg/L	1	6/26/2024 06:08 PM
Carbon disulfide	ND		5.0	µg/L	1	6/26/2024 06:08 PM
Carbon tetrachloride	ND		5.0	µg/L	1	6/26/2024 06:08 PM
Chlorobenzene	ND		5.0	µg/L	1	6/26/2024 06:08 PM
Chloroethane	ND		5.0	µg/L	1	6/26/2024 06:08 PM
Chloroform	ND		5.0	µg/L	1	6/26/2024 06:08 PM
Chloromethane	ND		5.0	µg/L	1	6/26/2024 06:08 PM
cis-1,2-Dichloroethene	ND		5.0	µg/L	1	6/26/2024 06:08 PM
cis-1,3-Dichloropropene	ND		5.0	µg/L	1	6/26/2024 06:08 PM
Dibromochloromethane	ND		5.0	µg/L	1	6/26/2024 06:08 PM
Dibromomethane	ND		5.0	µg/L	1	6/26/2024 06:08 PM
Dichlorodifluoromethane	ND		5.0	µg/L	1	6/26/2024 06:08 PM
Ethylbenzene	ND		5.0	µg/L	1	6/26/2024 06:08 PM
Hexachlorobutadiene	ND		5.0	µg/L	1	6/26/2024 06:08 PM
Isopropylbenzene	ND		5.0	µg/L	1	6/26/2024 06:08 PM
m,p-Xylene	ND		10	µg/L	1	6/26/2024 06:08 PM
Methyl tert-butyl ether	ND		5.0	µg/L	1	6/26/2024 06:08 PM

Note:

# ALS Environmental

Date: 08-Jul-24

**Client:** Partners Environmental Consulting, Inc.  
**Project:** Former Leake Oil; 448 E. Taggart St., East Palesti  
**Sample ID:** MW-05  
**Collection Date:** 6/19/2024 12:05 PM

**Work Order:** 24060754  
**Lab ID:** 24060754-33  
**Matrix:** WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Methylene chloride	ND		5.0	µg/L	1	6/26/2024 06:08 PM
Naphthalene	ND		5.0	µg/L	1	6/26/2024 06:08 PM
n-Butylbenzene	ND		5.0	µg/L	1	6/26/2024 06:08 PM
n-Propylbenzene	ND		5.0	µg/L	1	6/26/2024 06:08 PM
o-Xylene	ND		5.0	µg/L	1	6/26/2024 06:08 PM
p-Isopropyltoluene	ND		5.0	µg/L	1	6/26/2024 06:08 PM
sec-Butylbenzene	ND		5.0	µg/L	1	6/26/2024 06:08 PM
Styrene	ND		5.0	µg/L	1	6/26/2024 06:08 PM
tert-Butylbenzene	ND		5.0	µg/L	1	6/26/2024 06:08 PM
Tetrachloroethene	ND		5.0	µg/L	1	6/26/2024 06:08 PM
Toluene	ND		5.0	µg/L	1	6/26/2024 06:08 PM
trans-1,2-Dichloroethene	ND		5.0	µg/L	1	6/26/2024 06:08 PM
trans-1,3-Dichloropropene	ND		5.0	µg/L	1	6/26/2024 06:08 PM
Trichloroethene	ND		5.0	µg/L	1	6/26/2024 06:08 PM
Trichlorofluoromethane	ND		5.0	µg/L	1	6/26/2024 06:08 PM
Vinyl chloride	ND		2.0	µg/L	1	6/26/2024 06:08 PM
Xylenes, Total	ND		15	µg/L	1	6/26/2024 06:08 PM
Surr: 4-Bromofluorobenzene	102		61-131	%REC	1	6/26/2024 06:08 PM
Surr: Dibromofluoromethane	102		72-137	%REC	1	6/26/2024 06:08 PM
Surr: Toluene-d8	97.0		93.7-124	%REC	1	6/26/2024 06:08 PM

DRAFT

**Note:**

# ALS Environmental

Date: 08-Jul-24

**Client:** Partners Environmental Consulting, Inc.  
**Project:** Former Leake Oil; 448 E. Taggart St., East Palesti  
**Sample ID:** MW-06  
**Collection Date:** 6/19/2024 02:06 PM

**Work Order:** 24060754  
**Lab ID:** 24060754-34  
**Matrix:** WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>SEMI-VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8270C</b>	Prep: SW3510C 6/25/24 13:57	Analyst: DTL	
1,2,4,5-Tetrachlorobenzene	ND		10.0	µg/L	1	6/26/2024 08:53 PM
1,2,4-Trichlorobenzene	ND		10.0	µg/L	1	6/26/2024 08:53 PM
1,2-Dichlorobenzene	ND		10.0	µg/L	1	6/26/2024 08:53 PM
1,3-Dichlorobenzene	ND		10.0	µg/L	1	6/26/2024 08:53 PM
1,3-Dinitrobenzene	ND		10.0	µg/L	1	6/26/2024 08:53 PM
1,4-Dichlorobenzene	ND		10.0	µg/L	1	6/26/2024 08:53 PM
<b>1-Methylnaphthalene</b>	<b>25.0</b>		<b>0.200</b>	<b>µg/L</b>	1	6/26/2024 08:53 PM
1-Naphthylamine	ND		10.0	µg/L	1	6/26/2024 08:53 PM
2,3,4,6-Tetrachlorophenol	ND		10.0	µg/L	1	6/26/2024 08:53 PM
2,4,5-Trichlorophenol	ND		10.0	µg/L	1	6/26/2024 08:53 PM
2,4,6-Trichlorophenol	ND		10.0	µg/L	1	6/26/2024 08:53 PM
2,4-Dichlorophenol	ND		10.0	µg/L	1	6/26/2024 08:53 PM
2,4-Dimethylphenol	ND		10.0	µg/L	1	6/26/2024 08:53 PM
2,4-Dinitrophenol	ND		10.0	µg/L	1	6/26/2024 08:53 PM
2,4-Dinitrotoluene	ND		10.0	µg/L	1	6/26/2024 08:53 PM
2,6-Dichlorophenol	ND		10.0	µg/L	1	6/26/2024 08:53 PM
2,6-Dinitrotoluene	ND		10.0	µg/L	1	6/26/2024 08:53 PM
2-Acetylaminofluorene	ND		10.0	µg/L	1	6/26/2024 08:53 PM
2-Chloronaphthalene	ND		10.0	µg/L	1	6/26/2024 08:53 PM
2-Chlorophenol	ND		10.0	µg/L	1	6/26/2024 08:53 PM
<b>2-Methylnaphthalene</b>	<b>20.5</b>		<b>0.200</b>	<b>µg/L</b>	1	6/26/2024 08:53 PM
2-Methylphenol	ND		10.0	µg/L	1	6/26/2024 08:53 PM
2-Naphthylamine	ND		10.0	µg/L	1	6/26/2024 08:53 PM
2-Nitroaniline	ND		10.0	µg/L	1	6/26/2024 08:53 PM
2-Nitrophenol	ND		10.0	µg/L	1	6/26/2024 08:53 PM
2-Picoline	ND		10.0	µg/L	1	6/26/2024 08:53 PM
3&4-Methylphenol	ND		10.0	µg/L	1	6/26/2024 08:53 PM
3,3'-Dichlorobenzidine	ND		10.0	µg/L	1	6/26/2024 08:53 PM
3-Methylcholanthrene	ND		10.0	µg/L	1	6/26/2024 08:53 PM
3-Nitroaniline	ND		10.0	µg/L	1	6/26/2024 08:53 PM
4,6-Dinitro-2-methylphenol	ND		10.0	µg/L	1	6/26/2024 08:53 PM
4-Aminobiphenyl	ND		10.0	µg/L	1	6/26/2024 08:53 PM
4-Bromophenyl phenyl ether	ND		10.0	µg/L	1	6/26/2024 08:53 PM
4-Chloro-3-methylphenol	ND		10.0	µg/L	1	6/26/2024 08:53 PM
4-Chloroaniline	ND		10.0	µg/L	1	6/26/2024 08:53 PM
4-Chlorophenyl phenyl ether	ND		10.0	µg/L	1	6/26/2024 08:53 PM
4-Nitroaniline	ND		10.0	µg/L	1	6/26/2024 08:53 PM
4-Nitrophenol	ND		10.0	µg/L	1	6/26/2024 08:53 PM
4-Nitroquinoline 1-oxide	ND		10.0	µg/L	1	6/26/2024 08:53 PM

Note:

# ALS Environmental

Date: 08-Jul-24

Client: Partners Environmental Consulting, Inc.  
 Project: Former Leake Oil; 448 E. Taggart St., East Palesti  
 Sample ID: MW-06  
 Collection Date: 6/19/2024 02:06 PM

Work Order: 24060754  
 Lab ID: 24060754-34  
 Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
5-Nitro-o-toluidine	ND		10.0	µg/L	1	6/26/2024 08:53 PM
7,12-Dimethylbenz(a)anthracene	ND		10.0	µg/L	1	6/26/2024 08:53 PM
<b>Acenaphthene</b>	<b>0.656</b>		<b>0.200</b>	<b>µg/L</b>	1	6/26/2024 08:53 PM
Acenaphthylene	ND		0.200	µg/L	1	6/26/2024 08:53 PM
Acetophenone	ND		10.0	µg/L	1	6/26/2024 08:53 PM
Aniline	ND		10.0	µg/L	1	6/26/2024 08:53 PM
Anthracene	ND		0.200	µg/L	1	6/26/2024 08:53 PM
Azobenzene	ND		10.0	µg/L	1	6/26/2024 08:53 PM
Benzidine	ND		10.0	µg/L	1	6/26/2024 08:53 PM
Benzo(g,h,i)perylene	ND		0.200	µg/L	1	6/26/2024 08:53 PM
Benzo[a]anthracene	ND		0.200	µg/L	1	6/26/2024 08:53 PM
Benzo[a]pyrene	ND		0.200	µg/L	1	6/26/2024 08:53 PM
Benzo[b]fluoranthene	ND		0.200	µg/L	1	6/26/2024 08:53 PM
Benzo[k]fluoranthene	ND		0.200	µg/L	1	6/26/2024 08:53 PM
Benzyl alcohol	ND		10.0	µg/L	1	6/26/2024 08:53 PM
Bis(2-chloroethoxy)methane	ND		10.0	µg/L	1	6/26/2024 08:53 PM
Bis(2-chloroethyl)ether	ND		10.0	µg/L	1	6/26/2024 08:53 PM
Bis(2-chloroisopropyl)ether	ND		10.0	µg/L	1	6/26/2024 08:53 PM
Bis(2-ethylhexyl)phthalate	ND		10.0	µg/L	1	6/26/2024 08:53 PM
Butyl benzyl phthalate	ND		10.0	µg/L	1	6/26/2024 08:53 PM
<b>Carbazole</b>	<b>0.644</b>		<b>0.200</b>	<b>µg/L</b>	1	6/26/2024 08:53 PM
Chrysene	ND		0.200	µg/L	1	6/26/2024 08:53 PM
Dibenz[a,h]anthracene	ND		0.200	µg/L	1	6/26/2024 08:53 PM
<b>Dibenzofuran</b>	<b>0.372</b>		<b>0.200</b>	<b>µg/L</b>	1	6/26/2024 08:53 PM
Diethyl phthalate	ND		10.0	µg/L	1	6/26/2024 08:53 PM
Dimethyl phthalate	ND		10.0	µg/L	1	6/26/2024 08:53 PM
Di-n-butyl phthalate	ND		10.0	µg/L	1	6/26/2024 08:53 PM
Di-n-octyl phthalate	ND		10.0	µg/L	1	6/26/2024 08:53 PM
Dinoseb	ND		10.0	µg/L	1	6/26/2024 08:53 PM
Diphenylamine	ND		10.0	µg/L	1	6/26/2024 08:53 PM
Ethyl methanesulfonate	ND		10.0	µg/L	1	6/26/2024 08:53 PM
Fluoranthene	ND		0.200	µg/L	1	6/26/2024 08:53 PM
<b>Fluorene</b>	<b>0.504</b>		<b>0.200</b>	<b>µg/L</b>	1	6/26/2024 08:53 PM
Hexachlorobenzene	ND		10.0	µg/L	1	6/26/2024 08:53 PM
Hexachlorobutadiene	ND		10.0	µg/L	1	6/26/2024 08:53 PM
Hexachlorocyclopentadiene	ND		10.0	µg/L	1	6/26/2024 08:53 PM
Hexachloroethane	ND		10.0	µg/L	1	6/26/2024 08:53 PM
Indeno[1,2,3-cd]pyrene	ND		0.200	µg/L	1	6/26/2024 08:53 PM
Isophorone	ND		10.0	µg/L	1	6/26/2024 08:53 PM
Isosafrole	ND		10.0	µg/L	1	6/26/2024 08:53 PM

Note:

# ALS Environmental

Date: 08-Jul-24

**Client:** Partners Environmental Consulting, Inc.  
**Project:** Former Leake Oil; 448 E. Taggart St., East Palesti  
**Sample ID:** MW-06  
**Collection Date:** 6/19/2024 02:06 PM

**Work Order:** 24060754  
**Lab ID:** 24060754-34  
**Matrix:** WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Methapyrilene	ND		10.0	µg/L	1	6/26/2024 08:53 PM
Methyl methanesulfonate	ND		10.0	µg/L	1	6/26/2024 08:53 PM
<b>Naphthalene</b>	<b>59.4</b>		<b>10.0</b>	<b>µg/L</b>	1	6/26/2024 08:53 PM
Nitrobenzene	ND		10.0	µg/L	1	6/26/2024 08:53 PM
N-Nitrosodiethylamine	ND		10.0	µg/L	1	6/26/2024 08:53 PM
N-Nitrosodimethylamine	ND		10.0	µg/L	1	6/26/2024 08:53 PM
N-Nitroso-di-n-butylamine	ND		10.0	µg/L	1	6/26/2024 08:53 PM
N-Nitrosodi-n-propylamine	ND		10.0	µg/L	1	6/26/2024 08:53 PM
N-Nitrosomethylethylamine	ND		10.0	µg/L	1	6/26/2024 08:53 PM
N-Nitrosomorpholine	ND		10.0	µg/L	1	6/26/2024 08:53 PM
N-Nitrosopiperidine	ND		10.0	µg/L	1	6/26/2024 08:53 PM
N-Nitrosopyrrolidine	ND		10.0	µg/L	1	6/26/2024 08:53 PM
o-Toluidine	ND		10.0	µg/L	1	6/26/2024 08:53 PM
p-Dimethylaminoazobenzene	ND		10.0	µg/L	1	6/26/2024 08:53 PM
Pentachlorobenzene	ND		10.0	µg/L	1	6/26/2024 08:53 PM
Pentachloroethane	ND		10.0	µg/L	1	6/26/2024 08:53 PM
Pentachloronitrobenzene	ND		10.0	µg/L	1	6/26/2024 08:53 PM
Pentachlorophenol	ND		10.0	µg/L	1	6/26/2024 08:53 PM
Phenacetin	ND		10.0	µg/L	1	6/26/2024 08:53 PM
Phenanthrene	ND		0.200	µg/L	1	6/26/2024 08:53 PM
Phenol	ND		10.0	µg/L	1	6/26/2024 08:53 PM
Pyrene	ND		0.200	µg/L	1	6/26/2024 08:53 PM
Pyridine	ND		10.0	µg/L	1	6/26/2024 08:53 PM
Safrole	ND		10.0	µg/L	1	6/26/2024 08:53 PM
Surr: 2,4,6-Tribromophenol	93.3		9.92-114	%REC	1	6/26/2024 08:53 PM
Surr: 2-Fluorobiphenyl	77.0		31.5-129	%REC	1	6/26/2024 08:53 PM
Surr: 2-Fluorophenol	49.4		12-89	%REC	1	6/26/2024 08:53 PM
Surr: 4-Terphenyl-d14	69.0		38.3-160	%REC	1	6/26/2024 08:53 PM
Surr: Nitrobenzene-d5	82.2		28-120	%REC	1	6/26/2024 08:53 PM
Surr: Phenol-d6	33.6		4.27-70.1	%REC	1	6/26/2024 08:53 PM

## VOLATILE ORGANIC COMPOUNDS

SW8260B

Analyst: TJH

1,1,1,2-Tetrachloroethane	ND		5.0	µg/L	1	6/26/2024 06:26 PM
1,1,1-Trichloroethane	ND		5.0	µg/L	1	6/26/2024 06:26 PM
1,1,2,2-Tetrachloroethane	ND		5.0	µg/L	1	6/26/2024 06:26 PM
1,1,2-Trichloroethane	ND		5.0	µg/L	1	6/26/2024 06:26 PM
1,1-Dichloroethane	ND		5.0	µg/L	1	6/26/2024 06:26 PM
1,1-Dichloroethene	ND		5.0	µg/L	1	6/26/2024 06:26 PM
1,1-Dichloropropene	ND		5.0	µg/L	1	6/26/2024 06:26 PM
1,2,3-Trichlorobenzene	ND		5.0	µg/L	1	6/26/2024 06:26 PM
1,2,3-Trichloropropane	ND		5.0	µg/L	1	6/26/2024 06:26 PM

Note:

# ALS Environmental

Date: 08-Jul-24

**Client:** Partners Environmental Consulting, Inc.  
**Project:** Former Leake Oil; 448 E. Taggart St., East Palesti  
**Sample ID:** MW-06  
**Collection Date:** 6/19/2024 02:06 PM

**Work Order:** 24060754  
**Lab ID:** 24060754-34  
**Matrix:** WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1,2,4-Trichlorobenzene	ND		5.0	µg/L	1	6/26/2024 06:26 PM
<b>1,2,4-Trimethylbenzene</b>	<b>8.3</b>		<b>5.0</b>	<b>µg/L</b>	1	6/26/2024 06:26 PM
1,2-Dibromo-3-chloropropane	ND		0.20	µg/L	1	6/26/2024 06:26 PM
1,2-Dibromoethane	ND		0.050	µg/L	1	6/26/2024 06:26 PM
1,2-Dichlorobenzene	ND		5.0	µg/L	1	6/26/2024 06:26 PM
1,2-Dichloroethane	ND		5.0	µg/L	1	6/26/2024 06:26 PM
1,2-Dichloropropane	ND		5.0	µg/L	1	6/26/2024 06:26 PM
<b>1,3,5-Trimethylbenzene</b>	<b>21</b>		<b>5.0</b>	<b>µg/L</b>	1	6/26/2024 06:26 PM
1,3-Dichlorobenzene	ND		5.0	µg/L	1	6/26/2024 06:26 PM
1,3-Dichloropropane	ND		5.0	µg/L	1	6/26/2024 06:26 PM
1,4-Dichlorobenzene	ND		5.0	µg/L	1	6/26/2024 06:26 PM
2,2-Dichloropropane	ND		5.0	µg/L	1	6/26/2024 06:26 PM
2-Butanone	ND		50	µg/L	1	6/26/2024 06:26 PM
2-Chlorotoluene	ND		5.0	µg/L	1	6/26/2024 06:26 PM
2-Hexanone	ND		5.0	µg/L	1	6/26/2024 06:26 PM
<b>4-Chlorotoluene</b>	<b>6.5</b>		<b>5.0</b>	<b>µg/L</b>	1	6/26/2024 06:26 PM
4-Methyl-2-pentanone	ND		5.0	µg/L	1	6/26/2024 06:26 PM
Acetone	ND		50	µg/L	1	6/26/2024 06:26 PM
<b>Benzene</b>	<b>120</b>		<b>5.0</b>	<b>µg/L</b>	1	6/26/2024 06:26 PM
Bromobenzene	ND		5.0	µg/L	1	6/26/2024 06:26 PM
Bromochloromethane	ND		5.0	µg/L	1	6/26/2024 06:26 PM
Bromodichloromethane	ND		5.0	µg/L	1	6/26/2024 06:26 PM
Bromoform	ND		5.0	µg/L	1	6/26/2024 06:26 PM
Bromomethane	ND		5.0	µg/L	1	6/26/2024 06:26 PM
Carbon disulfide	ND		5.0	µg/L	1	6/26/2024 06:26 PM
Carbon tetrachloride	ND		5.0	µg/L	1	6/26/2024 06:26 PM
Chlorobenzene	ND		5.0	µg/L	1	6/26/2024 06:26 PM
Chloroethane	ND		5.0	µg/L	1	6/26/2024 06:26 PM
<b>Chloroform</b>	<b>6.6</b>		<b>5.0</b>	<b>µg/L</b>	1	6/26/2024 06:26 PM
Chloromethane	ND		5.0	µg/L	1	6/26/2024 06:26 PM
cis-1,2-Dichloroethene	ND		5.0	µg/L	1	6/26/2024 06:26 PM
cis-1,3-Dichloropropene	ND		5.0	µg/L	1	6/26/2024 06:26 PM
Dibromochloromethane	ND		5.0	µg/L	1	6/26/2024 06:26 PM
Dibromomethane	ND		5.0	µg/L	1	6/26/2024 06:26 PM
Dichlorodifluoromethane	ND		5.0	µg/L	1	6/26/2024 06:26 PM
<b>Ethylbenzene</b>	<b>83</b>		<b>5.0</b>	<b>µg/L</b>	1	6/26/2024 06:26 PM
Hexachlorobutadiene	ND		5.0	µg/L	1	6/26/2024 06:26 PM
<b>Isopropylbenzene</b>	<b>20</b>		<b>5.0</b>	<b>µg/L</b>	1	6/26/2024 06:26 PM
<b>m,p-Xylene</b>	<b>29</b>		<b>10</b>	<b>µg/L</b>	1	6/26/2024 06:26 PM
Methyl tert-butyl ether	ND		5.0	µg/L	1	6/26/2024 06:26 PM

Note:

# ALS Environmental

Date: 08-Jul-24

Client: Partners Environmental Consulting, Inc.  
 Project: Former Leake Oil; 448 E. Taggart St., East Palesti  
 Sample ID: MW-06  
 Collection Date: 6/19/2024 02:06 PM

Work Order: 24060754  
 Lab ID: 24060754-34  
 Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Methylene chloride	ND		5.0	µg/L	1	6/26/2024 06:26 PM
<b>Naphthalene</b>	<b>190</b>		<b>5.0</b>	<b>µg/L</b>	1	6/26/2024 06:26 PM
<b>n-Butylbenzene</b>	<b>19</b>		<b>5.0</b>	<b>µg/L</b>	1	6/26/2024 06:26 PM
<b>n-Propylbenzene</b>	<b>29</b>		<b>5.0</b>	<b>µg/L</b>	1	6/26/2024 06:26 PM
o-Xylene	ND		5.0	µg/L	1	6/26/2024 06:26 PM
<b>p-Isopropyltoluene</b>	<b>5.5</b>		<b>5.0</b>	<b>µg/L</b>	1	6/26/2024 06:26 PM
sec-Butylbenzene	ND		5.0	µg/L	1	6/26/2024 06:26 PM
Styrene	ND		5.0	µg/L	1	6/26/2024 06:26 PM
tert-Butylbenzene	ND		5.0	µg/L	1	6/26/2024 06:26 PM
Tetrachloroethene	ND		5.0	µg/L	1	6/26/2024 06:26 PM
<b>Toluene</b>	<b>7.5</b>		<b>5.0</b>	<b>µg/L</b>	1	6/26/2024 06:26 PM
trans-1,2-Dichloroethene	ND		5.0	µg/L	1	6/26/2024 06:26 PM
trans-1,3-Dichloropropene	ND		5.0	µg/L	1	6/26/2024 06:26 PM
Trichloroethene	ND		5.0	µg/L	1	6/26/2024 06:26 PM
Trichlorofluoromethane	ND		5.0	µg/L	1	6/26/2024 06:26 PM
Vinyl chloride	ND		2.0	µg/L	1	6/26/2024 06:26 PM
<b>Xylenes, Total</b>	<b>33</b>		<b>15</b>	<b>µg/L</b>	1	6/26/2024 06:26 PM
Surr: 4-Bromofluorobenzene	96.3		61-131	%REC	1	6/26/2024 06:26 PM
Surr: Dibromofluoromethane	97.0		72-137	%REC	1	6/26/2024 06:26 PM
Surr: Toluene-d8	95.6		93.7-124	%REC	1	6/26/2024 06:26 PM

DRAFT

Note:



# ALS Environmental

Date: 08-Jul-24

**Client:** Partners Environmental Consulting, Inc.  
**Project:** Former Leake Oil; 448 E. Taggart St., East Palesti  
**Sample ID:** DUP-01  
**Collection Date:** 6/19/2024 02:06 PM

**Work Order:** 24060754  
**Lab ID:** 24060754-35  
**Matrix:** WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>SEMI-VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8270C</b>		Prep: SW3510C 6/25/24 13:57	Analyst: DTL
1,2,4,5-Tetrachlorobenzene	ND		9.62	µg/L	1	6/26/2024 09:12 PM
1,2,4-Trichlorobenzene	ND		9.62	µg/L	1	6/26/2024 09:12 PM
1,2-Dichlorobenzene	ND		9.62	µg/L	1	6/26/2024 09:12 PM
1,3-Dichlorobenzene	ND		9.62	µg/L	1	6/26/2024 09:12 PM
1,3-Dinitrobenzene	ND		9.62	µg/L	1	6/26/2024 09:12 PM
1,4-Dichlorobenzene	ND		9.62	µg/L	1	6/26/2024 09:12 PM
<b>1-Methylnaphthalene</b>	<b>24.8</b>		<b>0.192</b>	<b>µg/L</b>	1	6/26/2024 09:12 PM
1-Naphthylamine	ND		9.62	µg/L	1	6/26/2024 09:12 PM
2,3,4,6-Tetrachlorophenol	ND		9.62	µg/L	1	6/26/2024 09:12 PM
2,4,5-Trichlorophenol	ND		9.62	µg/L	1	6/26/2024 09:12 PM
2,4,6-Trichlorophenol	ND		9.62	µg/L	1	6/26/2024 09:12 PM
2,4-Dichlorophenol	ND		9.62	µg/L	1	6/26/2024 09:12 PM
2,4-Dimethylphenol	ND		9.62	µg/L	1	6/26/2024 09:12 PM
2,4-Dinitrophenol	ND		9.62	µg/L	1	6/26/2024 09:12 PM
2,4-Dinitrotoluene	ND		9.62	µg/L	1	6/26/2024 09:12 PM
2,6-Dichlorophenol	ND		9.62	µg/L	1	6/26/2024 09:12 PM
2,6-Dinitrotoluene	ND		9.62	µg/L	1	6/26/2024 09:12 PM
2-Acetylaminofluorene	ND		9.62	µg/L	1	6/26/2024 09:12 PM
2-Chloronaphthalene	ND		9.62	µg/L	1	6/26/2024 09:12 PM
2-Chlorophenol	ND		9.62	µg/L	1	6/26/2024 09:12 PM
<b>2-Methylnaphthalene</b>	<b>20.7</b>		<b>0.192</b>	<b>µg/L</b>	1	6/26/2024 09:12 PM
2-Methylphenol	ND		9.62	µg/L	1	6/26/2024 09:12 PM
2-Naphthylamine	ND		9.62	µg/L	1	6/26/2024 09:12 PM
2-Nitroaniline	ND		9.62	µg/L	1	6/26/2024 09:12 PM
2-Nitrophenol	ND		9.62	µg/L	1	6/26/2024 09:12 PM
2-Picoline	ND		9.62	µg/L	1	6/26/2024 09:12 PM
3&4-Methylphenol	ND		9.62	µg/L	1	6/26/2024 09:12 PM
3,3'-Dichlorobenzidine	ND		9.62	µg/L	1	6/26/2024 09:12 PM
3-Methylcholanthrene	ND		9.62	µg/L	1	6/26/2024 09:12 PM
3-Nitroaniline	ND		9.62	µg/L	1	6/26/2024 09:12 PM
4,6-Dinitro-2-methylphenol	ND		9.62	µg/L	1	6/26/2024 09:12 PM
4-Aminobiphenyl	ND		9.62	µg/L	1	6/26/2024 09:12 PM
4-Bromophenyl phenyl ether	ND		9.62	µg/L	1	6/26/2024 09:12 PM
4-Chloro-3-methylphenol	ND		9.62	µg/L	1	6/26/2024 09:12 PM
4-Chloroaniline	ND		9.62	µg/L	1	6/26/2024 09:12 PM
4-Chlorophenyl phenyl ether	ND		9.62	µg/L	1	6/26/2024 09:12 PM
4-Nitroaniline	ND		9.62	µg/L	1	6/26/2024 09:12 PM
4-Nitrophenol	ND		9.62	µg/L	1	6/26/2024 09:12 PM
4-Nitroquinoline 1-oxide	ND		9.62	µg/L	1	6/26/2024 09:12 PM

Note:

# ALS Environmental

Date: 08-Jul-24

Client: Partners Environmental Consulting, Inc.  
 Project: Former Leake Oil; 448 E. Taggart St., East Palesti  
 Sample ID: DUP-01  
 Collection Date: 6/19/2024 02:06 PM

Work Order: 24060754  
 Lab ID: 24060754-35  
 Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
5-Nitro-o-toluidine	ND		9.62	µg/L	1	6/26/2024 09:12 PM
7,12-Dimethylbenz(a)anthracene	ND		9.62	µg/L	1	6/26/2024 09:12 PM
<b>Acenaphthene</b>	<b>0.615</b>		<b>0.192</b>	<b>µg/L</b>	1	6/26/2024 09:12 PM
Acenaphthylene	ND		0.192	µg/L	1	6/26/2024 09:12 PM
Acetophenone	ND		9.62	µg/L	1	6/26/2024 09:12 PM
Aniline	ND		9.62	µg/L	1	6/26/2024 09:12 PM
Anthracene	ND		0.192	µg/L	1	6/26/2024 09:12 PM
Azobenzene	ND		9.62	µg/L	1	6/26/2024 09:12 PM
Benzidine	ND		9.62	µg/L	1	6/26/2024 09:12 PM
Benzo(g,h,i)perylene	ND		0.192	µg/L	1	6/26/2024 09:12 PM
Benzo[a]anthracene	ND		0.192	µg/L	1	6/26/2024 09:12 PM
Benzo[a]pyrene	ND		0.192	µg/L	1	6/26/2024 09:12 PM
Benzo[b]fluoranthene	ND		0.192	µg/L	1	6/26/2024 09:12 PM
Benzo[k]fluoranthene	ND		0.192	µg/L	1	6/26/2024 09:12 PM
Benzyl alcohol	ND		9.62	µg/L	1	6/26/2024 09:12 PM
Bis(2-chloroethoxy)methane	ND		9.62	µg/L	1	6/26/2024 09:12 PM
Bis(2-chloroethyl)ether	ND		9.62	µg/L	1	6/26/2024 09:12 PM
Bis(2-chloroisopropyl)ether	ND		9.62	µg/L	1	6/26/2024 09:12 PM
Bis(2-ethylhexyl)phthalate	ND		9.62	µg/L	1	6/26/2024 09:12 PM
Butyl benzyl phthalate	ND		9.62	µg/L	1	6/26/2024 09:12 PM
<b>Carbazole</b>	<b>0.581</b>		<b>0.192</b>	<b>µg/L</b>	1	6/26/2024 09:12 PM
Chrysene	ND		0.192	µg/L	1	6/26/2024 09:12 PM
Dibenz[a,h]anthracene	ND		0.192	µg/L	1	6/26/2024 09:12 PM
<b>Dibenzofuran</b>	<b>0.408</b>		<b>0.192</b>	<b>µg/L</b>	1	6/26/2024 09:12 PM
Diethyl phthalate	ND		9.62	µg/L	1	6/26/2024 09:12 PM
Dimethyl phthalate	ND		9.62	µg/L	1	6/26/2024 09:12 PM
Di-n-butyl phthalate	ND		9.62	µg/L	1	6/26/2024 09:12 PM
Di-n-octyl phthalate	ND		9.62	µg/L	1	6/26/2024 09:12 PM
Dinoseb	ND		9.62	µg/L	1	6/26/2024 09:12 PM
Diphenylamine	ND		9.62	µg/L	1	6/26/2024 09:12 PM
Ethyl methanesulfonate	ND		9.62	µg/L	1	6/26/2024 09:12 PM
Fluoranthene	ND		0.192	µg/L	1	6/26/2024 09:12 PM
<b>Fluorene</b>	<b>0.504</b>		<b>0.192</b>	<b>µg/L</b>	1	6/26/2024 09:12 PM
Hexachlorobenzene	ND		9.62	µg/L	1	6/26/2024 09:12 PM
Hexachlorobutadiene	ND		9.62	µg/L	1	6/26/2024 09:12 PM
Hexachlorocyclopentadiene	ND		9.62	µg/L	1	6/26/2024 09:12 PM
Hexachloroethane	ND		9.62	µg/L	1	6/26/2024 09:12 PM
Indeno[1,2,3-cd]pyrene	ND		0.192	µg/L	1	6/26/2024 09:12 PM
Isophorone	ND		9.62	µg/L	1	6/26/2024 09:12 PM
Isosafrole	ND		9.62	µg/L	1	6/26/2024 09:12 PM

Note:

# ALS Environmental

Date: 08-Jul-24

**Client:** Partners Environmental Consulting, Inc.  
**Project:** Former Leake Oil; 448 E. Taggart St., East Palesti  
**Sample ID:** DUP-01  
**Collection Date:** 6/19/2024 02:06 PM

**Work Order:** 24060754  
**Lab ID:** 24060754-35  
**Matrix:** WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Methapyrilene	ND		9.62	µg/L	1	6/26/2024 09:12 PM
Methyl methanesulfonate	ND		9.62	µg/L	1	6/26/2024 09:12 PM
<b>Naphthalene</b>	<b>60.0</b>		<b>9.62</b>	<b>µg/L</b>	1	6/26/2024 09:12 PM
Nitrobenzene	ND		9.62	µg/L	1	6/26/2024 09:12 PM
N-Nitrosodiethylamine	ND		9.62	µg/L	1	6/26/2024 09:12 PM
N-Nitrosodimethylamine	ND		9.62	µg/L	1	6/26/2024 09:12 PM
N-Nitroso-di-n-butylamine	ND		9.62	µg/L	1	6/26/2024 09:12 PM
N-Nitrosodi-n-propylamine	ND		9.62	µg/L	1	6/26/2024 09:12 PM
N-Nitrosomethylethylamine	ND		9.62	µg/L	1	6/26/2024 09:12 PM
N-Nitrosomorpholine	ND		9.62	µg/L	1	6/26/2024 09:12 PM
N-Nitrosopiperidine	ND		9.62	µg/L	1	6/26/2024 09:12 PM
N-Nitrosopyrrolidine	ND		9.62	µg/L	1	6/26/2024 09:12 PM
o-Toluidine	ND		9.62	µg/L	1	6/26/2024 09:12 PM
p-Dimethylaminoazobenzene	ND		9.62	µg/L	1	6/26/2024 09:12 PM
Pentachlorobenzene	ND		9.62	µg/L	1	6/26/2024 09:12 PM
Pentachloroethane	ND		9.62	µg/L	1	6/26/2024 09:12 PM
Pentachloronitrobenzene	ND		9.62	µg/L	1	6/26/2024 09:12 PM
Pentachlorophenol	ND		9.62	µg/L	1	6/26/2024 09:12 PM
Phenacetin	ND		9.62	µg/L	1	6/26/2024 09:12 PM
Phenanthrene	ND		0.192	µg/L	1	6/26/2024 09:12 PM
Phenol	ND		9.62	µg/L	1	6/26/2024 09:12 PM
Pyrene	ND		0.192	µg/L	1	6/26/2024 09:12 PM
Pyridine	ND		9.62	µg/L	1	6/26/2024 09:12 PM
Safrole	ND		9.62	µg/L	1	6/26/2024 09:12 PM
Surr: 2,4,6-Tribromophenol	94.5		9.92-114	%REC	1	6/26/2024 09:12 PM
Surr: 2-Fluorobiphenyl	76.0		31.5-129	%REC	1	6/26/2024 09:12 PM
Surr: 2-Fluorophenol	47.8		12-89	%REC	1	6/26/2024 09:12 PM
Surr: 4-Terphenyl-d14	62.0		38.3-160	%REC	1	6/26/2024 09:12 PM
Surr: Nitrobenzene-d5	81.8		28-120	%REC	1	6/26/2024 09:12 PM
Surr: Phenol-d6	33.1		4.27-70.1	%REC	1	6/26/2024 09:12 PM

## VOLATILE ORGANIC COMPOUNDS

SW8260B

Analyst: TJH

1,1,1,2-Tetrachloroethane	ND		5.0	µg/L	1	6/26/2024 06:44 PM
1,1,1-Trichloroethane	ND		5.0	µg/L	1	6/26/2024 06:44 PM
1,1,2,2-Tetrachloroethane	ND		5.0	µg/L	1	6/26/2024 06:44 PM
1,1,2-Trichloroethane	ND		5.0	µg/L	1	6/26/2024 06:44 PM
1,1-Dichloroethane	ND		5.0	µg/L	1	6/26/2024 06:44 PM
1,1-Dichloroethene	ND		5.0	µg/L	1	6/26/2024 06:44 PM
1,1-Dichloropropene	ND		5.0	µg/L	1	6/26/2024 06:44 PM
1,2,3-Trichlorobenzene	ND		5.0	µg/L	1	6/26/2024 06:44 PM
1,2,3-Trichloropropane	ND		5.0	µg/L	1	6/26/2024 06:44 PM

Note:

# ALS Environmental

Date: 08-Jul-24

Client: Partners Environmental Consulting, Inc.  
 Project: Former Leake Oil; 448 E. Taggart St., East Palesti  
 Sample ID: DUP-01  
 Collection Date: 6/19/2024 02:06 PM

Work Order: 24060754  
 Lab ID: 24060754-35  
 Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1,2,4-Trichlorobenzene	ND		5.0	µg/L	1	6/26/2024 06:44 PM
<b>1,2,4-Trimethylbenzene</b>	<b>8.6</b>		<b>5.0</b>	<b>µg/L</b>	1	6/26/2024 06:44 PM
1,2-Dibromo-3-chloropropane	ND		0.20	µg/L	1	6/26/2024 06:44 PM
1,2-Dibromoethane	ND		0.050	µg/L	1	6/26/2024 06:44 PM
1,2-Dichlorobenzene	ND		5.0	µg/L	1	6/26/2024 06:44 PM
1,2-Dichloroethane	ND		5.0	µg/L	1	6/26/2024 06:44 PM
1,2-Dichloropropane	ND		5.0	µg/L	1	6/26/2024 06:44 PM
<b>1,3,5-Trimethylbenzene</b>	<b>22</b>		<b>5.0</b>	<b>µg/L</b>	1	6/26/2024 06:44 PM
1,3-Dichlorobenzene	ND		5.0	µg/L	1	6/26/2024 06:44 PM
1,3-Dichloropropane	ND		5.0	µg/L	1	6/26/2024 06:44 PM
1,4-Dichlorobenzene	ND		5.0	µg/L	1	6/26/2024 06:44 PM
2,2-Dichloropropane	ND		5.0	µg/L	1	6/26/2024 06:44 PM
2-Butanone	ND		50	µg/L	1	6/26/2024 06:44 PM
2-Chlorotoluene	ND		5.0	µg/L	1	6/26/2024 06:44 PM
2-Hexanone	ND		5.0	µg/L	1	6/26/2024 06:44 PM
<b>4-Chlorotoluene</b>	<b>7.1</b>		<b>5.0</b>	<b>µg/L</b>	1	6/26/2024 06:44 PM
4-Methyl-2-pentanone	ND		5.0	µg/L	1	6/26/2024 06:44 PM
Acetone	ND		50	µg/L	1	6/26/2024 06:44 PM
<b>Benzene</b>	<b>120</b>		<b>5.0</b>	<b>µg/L</b>	1	6/26/2024 06:44 PM
Bromobenzene	ND		5.0	µg/L	1	6/26/2024 06:44 PM
Bromochloromethane	ND		5.0	µg/L	1	6/26/2024 06:44 PM
Bromodichloromethane	ND		5.0	µg/L	1	6/26/2024 06:44 PM
Bromoform	ND		5.0	µg/L	1	6/26/2024 06:44 PM
Bromomethane	ND		5.0	µg/L	1	6/26/2024 06:44 PM
Carbon disulfide	ND		5.0	µg/L	1	6/26/2024 06:44 PM
Carbon tetrachloride	ND		5.0	µg/L	1	6/26/2024 06:44 PM
Chlorobenzene	ND		5.0	µg/L	1	6/26/2024 06:44 PM
Chloroethane	ND		5.0	µg/L	1	6/26/2024 06:44 PM
<b>Chloroform</b>	<b>6.8</b>		<b>5.0</b>	<b>µg/L</b>	1	6/26/2024 06:44 PM
Chloromethane	ND		5.0	µg/L	1	6/26/2024 06:44 PM
cis-1,2-Dichloroethene	ND		5.0	µg/L	1	6/26/2024 06:44 PM
cis-1,3-Dichloropropene	ND		5.0	µg/L	1	6/26/2024 06:44 PM
Dibromochloromethane	ND		5.0	µg/L	1	6/26/2024 06:44 PM
Dibromomethane	ND		5.0	µg/L	1	6/26/2024 06:44 PM
Dichlorodifluoromethane	ND		5.0	µg/L	1	6/26/2024 06:44 PM
<b>Ethylbenzene</b>	<b>84</b>		<b>5.0</b>	<b>µg/L</b>	1	6/26/2024 06:44 PM
Hexachlorobutadiene	ND		5.0	µg/L	1	6/26/2024 06:44 PM
<b>Isopropylbenzene</b>	<b>20</b>		<b>5.0</b>	<b>µg/L</b>	1	6/26/2024 06:44 PM
<b>m,p-Xylene</b>	<b>28</b>		<b>10</b>	<b>µg/L</b>	1	6/26/2024 06:44 PM
Methyl tert-butyl ether	ND		5.0	µg/L	1	6/26/2024 06:44 PM

Note:

# ALS Environmental

Date: 08-Jul-24

Client: Partners Environmental Consulting, Inc.  
 Project: Former Leake Oil; 448 E. Taggart St., East Palesti  
 Sample ID: DUP-01  
 Collection Date: 6/19/2024 02:06 PM

Work Order: 24060754  
 Lab ID: 24060754-35  
 Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Methylene chloride	ND		5.0	µg/L	1	6/26/2024 06:44 PM
<b>Naphthalene</b>	<b>190</b>		<b>5.0</b>	<b>µg/L</b>	1	6/26/2024 06:44 PM
<b>n-Butylbenzene</b>	<b>13</b>		<b>5.0</b>	<b>µg/L</b>	1	6/26/2024 06:44 PM
<b>n-Propylbenzene</b>	<b>30</b>		<b>5.0</b>	<b>µg/L</b>	1	6/26/2024 06:44 PM
o-Xylene	ND		5.0	µg/L	1	6/26/2024 06:44 PM
<b>p-Isopropyltoluene</b>	<b>5.5</b>		<b>5.0</b>	<b>µg/L</b>	1	6/26/2024 06:44 PM
sec-Butylbenzene	ND		5.0	µg/L	1	6/26/2024 06:44 PM
Styrene	ND		5.0	µg/L	1	6/26/2024 06:44 PM
tert-Butylbenzene	ND		5.0	µg/L	1	6/26/2024 06:44 PM
Tetrachloroethene	ND		5.0	µg/L	1	6/26/2024 06:44 PM
<b>Toluene</b>	<b>7.3</b>		<b>5.0</b>	<b>µg/L</b>	1	6/26/2024 06:44 PM
trans-1,2-Dichloroethene	ND		5.0	µg/L	1	6/26/2024 06:44 PM
trans-1,3-Dichloropropene	ND		5.0	µg/L	1	6/26/2024 06:44 PM
Trichloroethene	ND		5.0	µg/L	1	6/26/2024 06:44 PM
Trichlorofluoromethane	ND		5.0	µg/L	1	6/26/2024 06:44 PM
Vinyl chloride	ND		2.0	µg/L	1	6/26/2024 06:44 PM
<b>Xylenes, Total</b>	<b>33</b>		<b>15</b>	<b>µg/L</b>	1	6/26/2024 06:44 PM
Surr: 4-Bromofluorobenzene	99.3		61-131	%REC	1	6/26/2024 06:44 PM
Surr: Dibromofluoromethane	97.2		72-137	%REC	1	6/26/2024 06:44 PM
Surr: Toluene-d8	94.4		93.7-124	%REC	1	6/26/2024 06:44 PM

DRAFT

Note:

**Client:** Partners Environmental Consulting, Inc.  
**Work Order:** 24060754  
**Project:** Former Leake Oil; 448 E. Taggart St., East Palesti

**QC BATCH REPORT**

Batch ID: **99699** Instrument ID **GC5** Method: **SW8015B**

MBLK		Sample ID: <b>MBLK-99699-99699</b>				Units: <b>mg/Kg</b>		Analysis Date: <b>6/27/2024 07:47 PM</b>		
Client ID:		Run ID: <b>GC5_240627A</b>				SeqNo: <b>3436064</b>		Prep Date: <b>6/27/2024</b>		DF: <b>1</b>
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Diesel (total)	ND	13								
TPH C10-C20	ND	13								
TPH C20-C34	ND	13								
Surr: Nonane	2.297	0	3.333	0	68.9	13.1-113	0			
Surr: Pentacosane	1.825	0	3.333	0	54.8	28.2-111	0			

LCS		Sample ID: <b>LCS-99699-99699</b>				Units: <b>mg/Kg</b>		Analysis Date: <b>6/27/2024 08:06 PM</b>		
Client ID:		Run ID: <b>GC5_240627A</b>				SeqNo: <b>3436065</b>		Prep Date: <b>6/27/2024</b>		DF: <b>1</b>
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Diesel (total)	20.95	13	33.33	0	62.8	40.7-124	0			
Surr: Nonane	2.17	0	3.333	0	65.1	13.1-113	0			
Surr: Pentacosane	1.781	0	3.333	0	53.4	28.2-111	0			

MS		Sample ID: <b>24060753-03BMS</b>				Units: <b>mg/Kg</b>		Analysis Date: <b>6/27/2024 08:25 PM</b>		
Client ID:		Run ID: <b>GC5_240627A</b>				SeqNo: <b>3436066</b>		Prep Date: <b>6/27/2024</b>		DF: <b>1</b>
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Diesel (total)	25.79	13	33.33	0	77.4	15.3-133	0			
Surr: Nonane	1.985	0	3.333	0	59.5	13.1-113	0			
Surr: Pentacosane	1.615	0	3.333	0	48.5	28.2-111	0			

MSD		Sample ID: <b>24060753-03BMSD</b>				Units: <b>mg/Kg</b>		Analysis Date: <b>6/27/2024 08:44 PM</b>		
Client ID:		Run ID: <b>GC5_240627A</b>				SeqNo: <b>3436067</b>		Prep Date: <b>6/27/2024</b>		DF: <b>1</b>
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Diesel (total)	25.93	13	33.38	0	77.7	15.3-133	25.79	0.526	20	
Surr: Nonane	1.972	0	3.337	0	59.1	13.1-113	1.985	0.638		
Surr: Pentacosane	1.631	0	3.337	0	48.9	28.2-111	1.615	0.997		

The following samples were analyzed in this batch: 24060754-01B 24060754-02B 24060754-03B  
 24060754-04B 24060754-05B

**Note:** See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Partners Environmental Consulting, Inc.  
 Work Order: 24060754  
 Project: Former Leake Oil; 448 E. Taggart St., East Palesti

# QC BATCH REPORT

Batch ID: **99724** Instrument ID **GC5** Method: **SW8015B**

MBLK		Sample ID: <b>MBLK-99724-99724</b>				Units: <b>mg/Kg</b>		Analysis Date: <b>7/1/2024 02:14 PM</b>		
Client ID:		Run ID: <b>GC5_240701A</b>				SeqNo: <b>3439120</b>		Prep Date: <b>6/28/2024</b>		DF: <b>1</b>
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Diesel (total)	ND	13								
TPH C10-C20	ND	13								
TPH C20-C34	ND	13								
Surr: Nonane	2.241	0	3.333	0	67.2	13.1-113	0			
Surr: Pentacosane	2.357	0	3.333	0	70.7	28.2-111	0			

LCS		Sample ID: <b>LCS-99724-99724</b>				Units: <b>mg/Kg</b>		Analysis Date: <b>7/1/2024 02:33 PM</b>		
Client ID:		Run ID: <b>GC5_240701A</b>				SeqNo: <b>3439121</b>		Prep Date: <b>6/28/2024</b>		DF: <b>1</b>
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Diesel (total)	21.55	13	33.33	0	64.7	40.7-124	0			
Surr: Nonane	2.224	0	3.333	0	66.7	13.1-113	0			
Surr: Pentacosane	2.321	0	3.333	0	69.6	28.2-111	0			

MS		Sample ID: <b>24060989-03BMS</b>				Units: <b>mg/Kg</b>		Analysis Date: <b>7/1/2024 02:52 PM</b>		
Client ID:		Run ID: <b>GC5_240701A</b>				SeqNo: <b>3439122</b>		Prep Date: <b>6/28/2024</b>		DF: <b>1</b>
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Diesel (total)	20.89	13	33.27	0	62.8	15.3-133	0			
Surr: Nonane	1.978	0	3.326	0	59.5	13.1-113	0			
Surr: Pentacosane	2.102	0	3.326	0	63.2	28.2-111	0			

MSD		Sample ID: <b>24060989-03BMSD</b>				Units: <b>mg/Kg</b>		Analysis Date: <b>7/1/2024 03:11 PM</b>		
Client ID:		Run ID: <b>GC5_240701A</b>				SeqNo: <b>3439123</b>		Prep Date: <b>6/28/2024</b>		DF: <b>1</b>
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Diesel (total)	20.84	13	33.29	0	62.6	15.3-133	20.89	0.22	20	
Surr: Nonane	1.96	0	3.329	0	58.9	13.1-113	1.978	0.92		
Surr: Pentacosane	1.991	0	3.329	0	59.8	28.2-111	2.102	5.43		

The following samples were analyzed in this batch:

24060754-06B	24060754-07B	24060754-09B
24060754-10B	24060754-11B	24060754-12B
24060754-13B	24060754-14B	24060754-15B
24060754-16B	24060754-17B	24060754-18B

Note: See Qualifiers Page for a list of Qualifiers and their explanation.



**Client:** Partners Environmental Consulting, Inc.  
**Work Order:** 24060754  
**Project:** Former Leake Oil; 448 E. Taggart St., East Palesti

# QC BATCH REPORT

Batch ID: **R231196**      Instrument ID **GC6**      Method: **SW8015A**

MBLK		Sample ID: <b>BLK-R231196</b>				Units: <b>mg/Kg</b>		Analysis Date: <b>6/27/2024 09:15 AM</b>		
Client ID:		Run ID: <b>GC6_240627A</b>				SeqNo: <b>3436107</b>		Prep Date:		DF: <b>1</b>
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
TPH C6-C12	1.641	2.0								J
<i>Surr: Cyclooctane</i>	490.8	0	500	0	98.2	65.2-156	0			

LCS		Sample ID: <b>Ics-R231196</b>				Units: <b>mg/Kg</b>		Analysis Date: <b>6/27/2024 07:59 AM</b>		
Client ID:		Run ID: <b>GC6_240627A</b>				SeqNo: <b>3436104</b>		Prep Date:		DF: <b>1</b>
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
TPH C6-C12	21.99	2.0	20	0	110	57.2-164	0			
<i>Surr: Cyclooctane</i>	557.2	0	500	0	111	65.2-156	0			

MS		Sample ID: <b>24060753-07a ms</b>				Units: <b>mg/Kg</b>		Analysis Date: <b>6/27/2024 08:24 AM</b>		
Client ID:		Run ID: <b>GC6_240627A</b>				SeqNo: <b>3436105</b>		Prep Date:		DF: <b>1</b>
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
TPH C6-C12	15.46	2.0	20	1.542	69.6	42.3-144	0			
<i>Surr: Cyclooctane</i>	475.8	0	500	0	95.2	65.2-156	0			

MSD		Sample ID: <b>24060753-07a msd</b>				Units: <b>mg/Kg</b>		Analysis Date: <b>6/27/2024 08:50 AM</b>		
Client ID:		Run ID: <b>GC6_240627A</b>				SeqNo: <b>3436106</b>		Prep Date:		DF: <b>1</b>
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
TPH C6-C12	16.07	2.0	20	1.542	72.6	42.3-144	15.46	3.85	20	
<i>Surr: Cyclooctane</i>	508	0	500	0	102	65.2-156	475.8	6.56		

**The following samples were analyzed in this batch:**

24060754-01A	24060754-02A	24060754-03A
24060754-04A	24060754-05A	24060754-06A
24060754-07A	24060754-09A	24060754-10A

**Note:** See Qualifiers Page for a list of Qualifiers and their explanation.

**Client:** Partners Environmental Consulting, Inc.  
**Work Order:** 24060754  
**Project:** Former Leake Oil; 448 E. Taggart St., East Palesti

# QC BATCH REPORT

Batch ID: **R231200**      Instrument ID **GC6**      Method: **SW8015A**

MBLK		Sample ID: <b>MBLK-R231200</b>				Units: <b>mg/Kg</b>		Analysis Date: <b>6/27/2024 10:56 PM</b>		
Client ID:		Run ID: <b>GC6_240627B</b>				SeqNo: <b>3436224</b>		Prep Date:		DF: <b>1</b>
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
TPH C6-C12	1.476	2.0								J
<i>Surr: Cyclooctane</i>	448	0	500	0	89.6	65.2-156	0			

LCS		Sample ID: <b>LCS-R231200</b>				Units: <b>mg/Kg</b>		Analysis Date: <b>6/27/2024 09:14 PM</b>		
Client ID:		Run ID: <b>GC6_240627B</b>				SeqNo: <b>3436221</b>		Prep Date:		DF: <b>1</b>
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
TPH C6-C12	20.05	2.0	20	0	100	57.2-164	0			
<i>Surr: Cyclooctane</i>	564.3	0	500	0	113	65.2-156	0			

MS		Sample ID: <b>24060874-03A MS</b>				Units: <b>mg/Kg</b>		Analysis Date: <b>6/27/2024 10:05 PM</b>		
Client ID:		Run ID: <b>GC6_240627B</b>				SeqNo: <b>3436222</b>		Prep Date:		DF: <b>1</b>
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
TPH C6-C12	17.42	2.0	20	1.741	78.4	42.3-144	0			
<i>Surr: Cyclooctane</i>	517.9	0	500	0	104	65.2-156	0			

MSD		Sample ID: <b>24060874-03A MSD</b>				Units: <b>mg/Kg</b>		Analysis Date: <b>6/27/2024 10:30 PM</b>		
Client ID:		Run ID: <b>GC6_240627B</b>				SeqNo: <b>3436223</b>		Prep Date:		DF: <b>1</b>
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
TPH C6-C12	17.61	2.0	20	1.741	79.3	42.3-144	17.42	1.08	20	
<i>Surr: Cyclooctane</i>	535.2	0	500	0	107	65.2-156	517.9	3.28		

**The following samples were analyzed in this batch:**

24060754-11A	24060754-12A	24060754-13A
24060754-14A	24060754-15A	24060754-16A
24060754-17A	24060754-18A	

**Note:** See Qualifiers Page for a list of Qualifiers and their explanation.

**Client:** Partners Environmental Consulting, Inc.  
**Work Order:** 24060754  
**Project:** Former Leake Oil; 448 E. Taggart St., East Palesti

# QC BATCH REPORT

Batch ID: **99822**      Instrument ID **ICP4**      Method: **SW6010B**

MBLK		Sample ID: <b>MBLK-99822-99822</b>				Units: <b>mg/Kg</b>		Analysis Date: <b>7/3/2024 10:15 AM</b>		
Client ID:		Run ID: <b>ICP4_240703A</b>				SeqNo: <b>3441532</b>		Prep Date: <b>7/2/2024</b>		DF: <b>1</b>
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Lead	ND	2.5								

LCS		Sample ID: <b>LCS-99822-99822</b>				Units: <b>mg/Kg</b>		Analysis Date: <b>7/3/2024 10:21 AM</b>		
Client ID:		Run ID: <b>ICP4_240703A</b>				SeqNo: <b>3441534</b>		Prep Date: <b>7/2/2024</b>		DF: <b>1</b>
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Lead	2750	2.5	3203		0	85.9	73.5-108	0		

MS		Sample ID: <b>24060754-19A MS</b>				Units: <b>mg/Kg</b>		Analysis Date: <b>7/3/2024 10:24 AM</b>		
Client ID: <b>HA-06 0-2'</b>		Run ID: <b>ICP4_240703A</b>				SeqNo: <b>3441536</b>		Prep Date: <b>7/2/2024</b>		DF: <b>1</b>
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Lead	320.6	0.49	195.3	184.8	69.5	70-130		0		S

MSD		Sample ID: <b>24060754-19A MSD</b>				Units: <b>mg/Kg</b>		Analysis Date: <b>7/3/2024 10:26 AM</b>		
Client ID: <b>HA-06 0-2'</b>		Run ID: <b>ICP4_240703A</b>				SeqNo: <b>3441537</b>		Prep Date: <b>7/2/2024</b>		DF: <b>1</b>
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Lead	298.3	0.46	185.6	184.8	61.1	62.3-133	320.6	7.23	20	S

**The following samples were analyzed in this batch:**

24060754-19A	24060754-20A	24060754-21A
24060754-22A	24060754-23A	24060754-24A
24060754-25A	24060754-26A	24060754-29A

**Note:** See Qualifiers Page for a list of Qualifiers and their explanation.

**Client:** Partners Environmental Consulting, Inc.  
**Work Order:** 24060754  
**Project:** Former Leake Oil; 448 E. Taggart St., East Palesti

# QC BATCH REPORT

Batch ID: **99620**      Instrument ID **SVMS4**      Method: **SW8270C**

**MBLK**      Sample ID: **MBLK-99620-99620**      Units: **µg/L**      Analysis Date: **6/24/2024 04:45 PM**  
 Client ID:      Run ID: **SVMS4\_240624A**      SeqNo: **3432826**      Prep Date: **6/24/2024**      DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2,4,5-Tetrachlorobenzene	ND	10								
1,2,4-Trichlorobenzene	ND	10								
1,2-Dichlorobenzene	ND	10								
1,3-Dichlorobenzene	ND	10								
1,3-Dinitrobenzene	ND	10								
1,4-Dichlorobenzene	ND	10								
1-Methylnaphthalene	ND	0.20								
1-Naphthylamine	ND	10								
2,3,4,6-Tetrachlorophenol	ND	10								
2,4,5-Trichlorophenol	ND	10								
2,4,6-Trichlorophenol	ND	10								
2,4-Dichlorophenol	ND	10								
2,4-Dimethylphenol	ND	10								
2,4-Dinitrophenol	ND	10								
2,4-Dinitrotoluene	ND	10								
2,6-Dichlorophenol	ND	10								
2,6-Dinitrotoluene	ND	10								
2-Acetylaminofluorene	ND	10								
2-Chloronaphthalene	ND	10								
2-Chlorophenol	ND	10								
2-Methylnaphthalene	ND	0.20								
2-Methylphenol	ND	10								
2-Naphthylamine	ND	10								
2-Nitroaniline	ND	10								
2-Nitrophenol	ND	10								
2-Picoline	ND	10								
3&4-Methylphenol	ND	10								
3,3'-Dichlorobenzidine	ND	10								
3-Methylcholanthrene	ND	10								
3-Nitroaniline	ND	10								
4,6-Dinitro-2-methylphenol	ND	10								
4-Aminobiphenyl	ND	10								
4-Bromophenyl phenyl ether	ND	10								
4-Chloro-3-methylphenol	ND	10								
4-Chloroaniline	ND	10								
4-Chlorophenyl phenyl ether	ND	10								
4-Nitroaniline	ND	10								
4-Nitrophenol	ND	10								
4-Nitroquinoline 1-oxide	ND	10								
5-Nitro-o-toluidine	ND	10								
7,12-Dimethylbenz(a)anthracene	ND	10								
Acenaphthene	ND	0.20								

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**Note:** See Qualifiers Page for a list of Qualifiers and their explanation.

**Client:** Partners Environmental Consulting, Inc.  
**Work Order:** 24060754  
**Project:** Former Leake Oil; 448 E. Taggart St., East Palesti

## QC BATCH REPORT

Batch ID: 99620	Instrument ID SVMS4	Method: SW8270C		
Acenaphthylene	0.072	0.20		J
Acetophenone	ND	10		
Aniline	ND	10		
Anthracene	ND	0.20		
Azobenzene	ND	10		
Benzidine	ND	10		
Benzo(g,h,i)perylene	0.1	0.20		J
Benzo[a]anthracene	ND	0.20		
Benzo[a]pyrene	ND	0.20		
Benzo[b]fluoranthene	0.14	0.20		J
Benzo[k]fluoranthene	0.144	0.20		J
Benzyl alcohol	ND	10		
Bis(2-chloroethoxy)methane	ND	10		
Bis(2-chloroethyl)ether	ND	10		
Bis(2-chloroisopropyl)ether	ND	10		
Bis(2-ethylhexyl)phthalate	2.24	10		J
Butyl benzyl phthalate	ND	10		
Carbazole	ND	0.20		
Chrysene	ND	0.20		
Dibenz[a,h]anthracene	0.104	0.20		J
Dibenzofuran	ND	0.20		
Diethyl phthalate	ND	10		
Dimethyl phthalate	ND	10		
Di-n-butyl phthalate	ND	10		
Di-n-octyl phthalate	ND	10		
Dinoseb	ND	10		
Diphenylamine	ND	10		
Ethyl methanesulfonate	ND	10		
Fluoranthene	0.068	0.20		J
Fluorene	ND	0.20		
Hexachlorobenzene	ND	10		
Hexachlorobutadiene	ND	10		
Hexachlorocyclopentadiene	ND	10		
Hexachloroethane	ND	10		
Indeno[1,2,3-cd]pyrene	0.116	0.20		J
Isophorone	ND	10		
Isosafrole	ND	10		
Methapyrilene	ND	10		
Methyl methanesulfonate	ND	10		
Naphthalene	ND	10		
Nitrobenzene	ND	10		
N-Nitrosodiethylamine	ND	10		
N-Nitrosodimethylamine	ND	10		
N-Nitroso-di-n-butylamine	ND	10		
N-Nitrosodi-n-propylamine	ND	10		
N-Nitrosomethylethylamine	ND	10		
N-Nitrosomorpholine	ND	10		
N-Nitrosopiperidine	ND	10		

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**Note:** See Qualifiers Page for a list of Qualifiers and their explanation.

**Client:** Partners Environmental Consulting, Inc.  
**Work Order:** 24060754  
**Project:** Former Leake Oil; 448 E. Taggart St., East Palesti

# QC BATCH REPORT

Batch ID: <b>99620</b>	Instrument ID <b>SVMS4</b>			Method: <b>SW8270C</b>				
N-Nitrosopyrrolidine	ND	10						
o-Toluidine	ND	10						
p-Dimethylaminoazobenzene	ND	10						
Pentachlorobenzene	ND	10						
Pentachloroethane	ND	10						
Pentachloronitrobenzene	ND	10						
Pentachlorophenol	ND	10						
Phenacetin	ND	10						
Phenanthrene	ND	0.20						
Phenol	ND	10						
Pyrene	0.076	0.20						J
Pyridine	ND	10						
Safrole	ND	10						
<i>Surr: 2,4,6-Tribromophenol</i>	19.38	0	80	0	24.2	9.92-114	0	
<i>Surr: 2-Fluorobiphenyl</i>	17.9	0	40	0	44.8	31.5-129	0	
<i>Surr: 2-Fluorophenol</i>	15.43	0	80	0	19.3	12-89	0	
<i>Surr: 4-Terphenyl-d14</i>	24.75	0	40	0	61.9	38.3-160	0	
<i>Surr: Nitrobenzene-d5</i>	19.08	0	40	0	47.7	28-120	0	
<i>Surr: Phenol-d6</i>	15.32	0	80	0	19.1	4.27-70.1	0	

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**Note:** See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Partners Environmental Consulting, Inc.  
 Work Order: 24060754  
 Project: Former Leake Oil; 448 E. Taggert St., East Palesti

# QC BATCH REPORT

Batch ID: 99620 Instrument ID SVMS4 Method: SW8270C

LCS	Sample ID: LCS-99620-99620				Units: µg/L		Analysis Date: 6/24/2024 05:04 PM			
Client ID:	Run ID: SVMS4_240624A			SeqNo: 3432827	Prep Date: 6/24/2024	DF: 1				
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2,4-Trichlorobenzene	26.47	10	40	0	66.2	33.3-96.9	0			
1,4-Dichlorobenzene	25.63	10	40	0	64.1	24.6-94.5	0			
2,4-Dinitrotoluene	30.58	10	40	0	76.4	49.4-114	0			
2-Chlorophenol	31.52	10	40	0	78.8	44.1-106	0			
4-Chloro-3-methylphenol	32.16	10	40	0	80.4	50.6-110	0			
4-Nitrophenol	10.32	10	40	0	25.8	17.3-80.3	0			
Acenaphthene	28.49	0.20	40	0	71.2	39.3-106	0			
Acenaphthylene	30.14	0.20	40	0	75.4	41.8-117	0			
Anthracene	32.65	0.20	40	0	81.6	48.3-112	0			
Benzo(g,h,i)perylene	33.56	0.20	40	0	83.9	42.3-123	0			
Benzo[a]anthracene	30.13	0.20	40	0	75.3	14.6-130	0			
Benzo[a]pyrene	32.35	0.20	40	0	80.9	20.3-125	0			
Benzo[b]fluoranthene	30.21	0.20	40	0	75.5	15.7-124	0			
Benzo[k]fluoranthene	29.89	0.20	40	0	74.7	14.1-140	0			
Carbazole	34.06	0.20	40	0	85.2	42.7-139	0			
Chrysene	28.47	0.20	40	0	71.2	42.5-128	0			
Dibenz[a,h]anthracene	33.65	0.20	40	0	84.1	22.2-125	0			
Fluoranthene	32.34	0.20	40	0	80.9	37.5-128	0			
Fluorene	32.32	0.20	40	0	80.8	40.5-115	0			
Indeno[1,2,3-cd]pyrene	32.96	0.20	40	0	82.4	24.5-122	0			
Naphthalene	25.66	10	40	0	64.1	32.8-89.8	0			
N-Nitrosodi-n-propylamine	21.6	10	40	0	54	27.1-84.2	0			
Pentachlorophenol	20.06	10	40	0	50.1	34.1-130	0			
Phenanthrene	29.63	0.20	40	0	74.1	44.5-109	0			
Phenol	12.68	10	40	0	31.7	17.5-68	0			
Pyrene	31.13	0.20	40	0	77.8	40.9-131	0			
Surr: 2,4,6-Tribromophenol	62.08	0	80	0	77.6	9.92-114	0			
Surr: 2-Fluorobiphenyl	30.84	0	40	0	77.1	31.5-129	0			
Surr: 2-Fluorophenol	37.66	0	80	0	47.1	12-89	0			
Surr: 4-Terphenyl-d14	29.56	0	40	0	73.9	38.3-160	0			
Surr: Nitrobenzene-d5	32.59	0	40	0	81.5	28-120	0			
Surr: Phenol-d6	26.34	0	80	0	32.9	4.27-70.1	0			

The following samples were analyzed in this batch: 24060754-08B 24060754-27B

Note: See Qualifiers Page for a list of Qualifiers and their explanation.



**Client:** Partners Environmental Consulting, Inc.  
**Work Order:** 24060754  
**Project:** Former Leake Oil; 448 E. Taggart St., East Palesti

# QC BATCH REPORT

Batch ID: **99658**      Instrument ID **SVMS4**      Method: **SW8270C**

**MBLK**      Sample ID: **MBLK-99658-99658**      Units: **µg/L**      Analysis Date: **6/26/2024 03:50 PM**  
 Client ID:      Run ID: **SVMS4\_240626A**      SeqNo: **3435446**      Prep Date: **6/25/2024**      DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2,4,5-Tetrachlorobenzene	ND	10								
1,2,4-Trichlorobenzene	ND	10								
1,2-Dichlorobenzene	ND	10								
1,3-Dichlorobenzene	ND	10								
1,3-Dinitrobenzene	ND	10								
1,4-Dichlorobenzene	ND	10								
1-Methylnaphthalene	ND	0.20								
1-Naphthylamine	ND	10								
2,3,4,6-Tetrachlorophenol	ND	10								
2,4,5-Trichlorophenol	ND	10								
2,4,6-Trichlorophenol	ND	10								
2,4-Dichlorophenol	ND	10								
2,4-Dimethylphenol	ND	10								
2,4-Dinitrophenol	ND	10								
2,4-Dinitrotoluene	ND	10								
2,6-Dichlorophenol	ND	10								
2,6-Dinitrotoluene	ND	10								
2-Acetylaminofluorene	ND	10								
2-Chloronaphthalene	ND	10								
2-Chlorophenol	ND	10								
2-Methylnaphthalene	ND	0.20								
2-Methylphenol	ND	10								
2-Naphthylamine	ND	10								
2-Nitroaniline	ND	10								
2-Nitrophenol	ND	10								
2-Picoline	ND	10								
3&4-Methylphenol	ND	10								
3,3`-Dichlorobenzidine	ND	10								
3-Methylcholanthrene	ND	10								
3-Nitroaniline	ND	10								
4,6-Dinitro-2-methylphenol	ND	10								
4-Aminobiphenyl	ND	10								
4-Bromophenyl phenyl ether	ND	10								
4-Chloro-3-methylphenol	ND	10								
4-Chloroaniline	ND	10								
4-Chlorophenyl phenyl ether	ND	10								
4-Nitroaniline	ND	10								
4-Nitrophenol	ND	10								
4-Nitroquinoline 1-oxide	ND	10								
5-Nitro-o-toluidine	ND	10								
7,12-Dimethylbenz(a)anthracene	ND	10								
Acenaphthene	ND	0.20								

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**Note:** See Qualifiers Page for a list of Qualifiers and their explanation.

**Client:** Partners Environmental Consulting, Inc.  
**Work Order:** 24060754  
**Project:** Former Leake Oil; 448 E. Taggart St., East Palesti

## QC BATCH REPORT

Batch ID: <b>99658</b>	Instrument ID <b>SVMS4</b>	Method: <b>SW8270C</b>		
Acenaphthylene	0.068	0.20		J
Acetophenone	ND	10		
Aniline	ND	10		
Anthracene	ND	0.20		
Azobenzene	ND	10		
Benzidine	ND	10		
Benzo(g,h,i)perylene	0.104	0.20		J
Benzo[a]anthracene	ND	0.20		
Benzo[a]pyrene	0.156	0.20		J
Benzo[b]fluoranthene	0.14	0.20		J
Benzo[k]fluoranthene	0.14	0.20		J
Benzyl alcohol	ND	10		
Bis(2-chloroethoxy)methane	ND	10		
Bis(2-chloroethyl)ether	ND	10		
Bis(2-chloroisopropyl)ether	ND	10		
Bis(2-ethylhexyl)phthalate	ND	10		
Butyl benzyl phthalate	ND	10		
Carbazole	ND	0.20		
Chrysene	ND	0.20		
Dibenz[a,h]anthracene	0.1	0.20		J
Dibenzofuran	ND	0.20		
Diethyl phthalate	ND	10		
Dimethyl phthalate	ND	10		
Di-n-butyl phthalate	ND	10		
Di-n-octyl phthalate	ND	10		
Dinoseb	ND	10		
Diphenylamine	ND	10		
Ethyl methanesulfonate	ND	10		
Fluoranthene	0.084	0.20		J
Fluorene	ND	0.20		
Hexachlorobenzene	ND	10		
Hexachlorobutadiene	ND	10		
Hexachlorocyclopentadiene	ND	10		
Hexachloroethane	ND	10		
Indeno[1,2,3-cd]pyrene	0.116	0.20		J
Isophorone	ND	10		
Isosafrole	ND	10		
Methapyrilene	ND	10		
Methyl methanesulfonate	ND	10		
Naphthalene	ND	10		
Nitrobenzene	ND	10		
N-Nitrosodiethylamine	ND	10		
N-Nitrosodimethylamine	ND	10		
N-Nitroso-di-n-butylamine	ND	10		
N-Nitrosodi-n-propylamine	ND	10		
N-Nitrosomethylethylamine	ND	10		
N-Nitrosomorpholine	ND	10		
N-Nitrosopiperidine	ND	10		

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**Note:** See Qualifiers Page for a list of Qualifiers and their explanation.

**Client:** Partners Environmental Consulting, Inc.  
**Work Order:** 24060754  
**Project:** Former Leake Oil; 448 E. Taggart St., East Palesti

# QC BATCH REPORT

Batch ID: <b>99658</b>	Instrument ID <b>SVMS4</b>			Method: <b>SW8270C</b>				
N-Nitrosopyrrolidine	ND	10						
o-Toluidine	ND	10						
p-Dimethylaminoazobenzene	ND	10						
Pentachlorobenzene	ND	10						
Pentachloroethane	ND	10						
Pentachloronitrobenzene	ND	10						
Pentachlorophenol	ND	10						
Phenacetin	ND	10						
Phenanthrene	0.072	0.20						J
Phenol	ND	10						
Pyrene	0.096	0.20						J
Pyridine	ND	10						
Safrole	ND	10						
<i>Surr: 2,4,6-Tribromophenol</i>	<i>59.24</i>	<i>0</i>	<i>80</i>	<i>0</i>	<i>74</i>	<i>9.92-114</i>	<i>0</i>	
<i>Surr: 2-Fluorobiphenyl</i>	<i>27.74</i>	<i>0</i>	<i>40</i>	<i>0</i>	<i>69.4</i>	<i>31.5-129</i>	<i>0</i>	
<i>Surr: 2-Fluorophenol</i>	<i>39.29</i>	<i>0</i>	<i>80</i>	<i>0</i>	<i>49.1</i>	<i>12-89</i>	<i>0</i>	
<i>Surr: 4-Terphenyl-d14</i>	<i>34.97</i>	<i>0</i>	<i>40</i>	<i>0</i>	<i>87.4</i>	<i>38.3-160</i>	<i>0</i>	
<i>Surr: Nitrobenzene-d5</i>	<i>28.78</i>	<i>0</i>	<i>40</i>	<i>0</i>	<i>72</i>	<i>28-120</i>	<i>0</i>	
<i>Surr: Phenol-d6</i>	<i>26.66</i>	<i>0</i>	<i>80</i>	<i>0</i>	<i>33.3</i>	<i>4.27-70.1</i>	<i>0</i>	

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**Note:** See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Partners Environmental Consulting, Inc.  
 Work Order: 24060754  
 Project: Former Leake Oil; 448 E. Taggert St., East Palesti

# QC BATCH REPORT

Batch ID: 99658 Instrument ID SVMS4 Method: SW8270C

LCS	Sample ID: LCS-99658-99658				Units: µg/L		Analysis Date: 6/26/2024 04:46 PM			
Client ID:	Run ID: SVMS4_240626A			SeqNo: 3435449	Prep Date: 6/25/2024	DF: 1				
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2,4-Trichlorobenzene	26.78	10	40	0	66.9	33.3-96.9	0			
1,4-Dichlorobenzene	25.77	10	40	0	64.4	24.6-94.5	0			
2,4-Dinitrotoluene	31.2	10	40	0	78	49.4-114	0			
2-Chlorophenol	33.28	10	40	0	83.2	44.1-106	0			
4-Chloro-3-methylphenol	32.26	10	40	0	80.7	50.6-110	0			
4-Nitrophenol	14.61	10	40	0	36.5	17.3-80.3	0			
Acenaphthene	27.13	0.20	40	0	67.8	39.3-106	0			
Acenaphthylene	28.16	0.20	40	0	70.4	41.8-117	0			
Anthracene	33.5	0.20	40	0	83.8	48.3-112	0			
Benzo(g,h,i)perylene	31.96	0.20	40	0	79.9	42.3-123	0			
Benzo[a]anthracene	31.27	0.20	40	0	78.2	14.6-130	0			
Benzo[a]pyrene	33.44	0.20	40	0	83.6	20.3-125	0			
Benzo[b]fluoranthene	31.49	0.20	40	0	78.7	15.7-124	0			
Benzo[k]fluoranthene	32.21	0.20	40	0	80.5	14.1-140	0			
Carbazole	37.62	0.20	40	0	94.1	42.7-139	0			
Chrysene	31.75	0.20	40	0	79.4	42.5-128	0			
Dibenz[a,h]anthracene	33.09	0.20	40	0	82.7	22.2-125	0			
Fluoranthene	35.08	0.20	40	0	87.7	37.5-128	0			
Fluorene	30.66	0.20	40	0	76.7	40.5-115	0			
Indeno[1,2,3-cd]pyrene	31.84	0.20	40	0	79.6	24.5-122	0			
Naphthalene	25.29	10	40	0	63.2	32.8-89.8	0			
N-Nitrosodi-n-propylamine	21.58	10	40	0	53.9	27.1-84.2	0			
Pentachlorophenol	27.3	10	40	0	68.2	34.1-130	0			
Phenanthrene	30.96	0.20	40	0	77.4	44.5-109	0			
Phenol	12.51	10	40	0	31.3	17.5-68	0			
Pyrene	34.74	0.20	40	0	86.8	40.9-131	0			
Surr: 2,4,6-Tribromophenol	69.58	0	80	0	87	9.92-114	0			
Surr: 2-Fluorobiphenyl	29.42	0	40	0	73.5	31.5-129	0			
Surr: 2-Fluorophenol	39.84	0	80	0	49.8	12-89	0			
Surr: 4-Terphenyl-d14	33.75	0	40	0	84.4	38.3-160	0			
Surr: Nitrobenzene-d5	33.49	0	40	0	83.7	28-120	0			
Surr: Phenol-d6	26.18	0	80	0	32.7	4.27-70.1	0			

The following samples were analyzed in this batch: 24060754-30B 24060754-31B 24060754-32B  
 24060754-33B 24060754-34B 24060754-35B

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

**Client:** Partners Environmental Consulting, Inc.  
**Work Order:** 24060754  
**Project:** Former Leake Oil; 448 E. Taggart St., East Palesti

# QC BATCH REPORT

Batch ID: **99687**      Instrument ID **SVMS1**      Method: **SW8270C**

**MBLK**      Sample ID: **MBLK-99687-99687**      Units: **µg/Kg**      Analysis Date: **6/28/2024 05:28 PM**

Client ID:      Run ID: **SVMS1\_240628A**      SeqNo: **3437858**      Prep Date: **6/28/2024**      DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2,4,5-Tetrachlorobenzene	ND	330								
1,2,4-Trichlorobenzene	ND	330								
1,2-Dichlorobenzene	ND	330								
1,3-Dichlorobenzene	ND	330								
1,3-Dinitrobenzene	ND	330								
1,4-Dichlorobenzene	ND	330								
1-Methylnaphthalene	ND	200								
1-Naphthylamine	ND	330								
2,3,4,6-Tetrachlorophenol	ND	330								
2,4,5-Trichlorophenol	ND	330								
2,4,6-Trichlorophenol	ND	330								
2,4-Dichlorophenol	ND	330								
2,4-Dimethylphenol	ND	330								
2,4-Dinitrophenol	ND	1,600								
2,4-Dinitrotoluene	ND	330								
2,6-Dichlorophenol	ND	330								
2,6-Dinitrotoluene	ND	330								
2-Acetylaminofluorene	ND	330								
2-Chloronaphthalene	ND	330								
2-Chlorophenol	ND	330								
2-Methylnaphthalene	ND	200								
2-Methylphenol	ND	330								
2-Naphthylamine	ND	330								
2-Nitroaniline	ND	1,600								
2-Nitrophenol	ND	330								
2-Picoline	ND	330								
3&4-Methylphenol	ND	330								
3,3`-Dichlorobenzidine	ND	660								
3-Methylcholanthrene	ND	330								
3-Nitroaniline	ND	1,600								
4,6-Dinitro-2-methylphenol	ND	1,600								
4-Aminobiphenyl	ND	660								
4-Bromophenyl phenyl ether	ND	330								
4-Chloro-3-methylphenol	ND	660								
4-Chloroaniline	ND	660								
4-Chlorophenyl phenyl ether	ND	330								
4-Nitroaniline	ND	660								
4-Nitrophenol	ND	1,600								
4-Nitroquinoline 1-oxide	ND	1,600								
5-Nitro-o-toluidine	ND	330								
7,12-Dimethylbenz(a)anthracene	ND	330								
Acenaphthene	ND	200								

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**Note:** See Qualifiers Page for a list of Qualifiers and their explanation.

**Client:** Partners Environmental Consulting, Inc.  
**Work Order:** 24060754  
**Project:** Former Leake Oil; 448 E. Taggart St., East Palesti

## QC BATCH REPORT

Batch ID: <b>99687</b>	Instrument ID <b>SVMS1</b>	Method: <b>SW8270C</b>	
Acenaphthylene	ND	200	
Acetophenone	ND	330	
Aniline	ND	330	
Anthracene	ND	200	
Azobenzene	ND	330	
Benzidine	ND	330	
Benzo(a)anthracene	ND	100	
Benzo(a)pyrene	ND	100	
Benzo(b)fluoranthene	17.67	200	J
Benzo(g,h,i)perylene	ND	200	
Benzo(k)fluoranthene	17.4	200	J
Benzyl alcohol	ND	660	
Bis(2-chloroethoxy)methane	ND	330	
Bis(2-chloroethyl)ether	ND	330	
Bis(2-chloroisopropyl)ether	ND	330	
Bis(2-ethylhexyl)phthalate	15	330	J
Butyl benzyl phthalate	ND	330	
Carbazole	ND	200	
Chrysene	11.87	200	J
Dibenzo(a,h)anthracene	ND	100	
Dibenzofuran	ND	200	
Diethyl phthalate	ND	330	
Dimethyl phthalate	ND	330	
Di-n-butyl phthalate	ND	330	
Di-n-octyl phthalate	ND	330	
Dinoseb	ND	330	
Diphenylamine	ND	330	
Ethyl methanesulfonate	ND	330	
Fluoranthene	ND	200	
Fluorene	ND	200	
Hexachlorobenzene	ND	330	
Hexachlorobutadiene	ND	330	
Hexachlorocyclopentadiene	ND	330	
Hexachloroethane	ND	330	
Indeno(1,2,3-cd)pyrene	ND	100	
Isophorone	ND	330	
Isosafrole	ND	330	
Methapyrilene	ND	1,600	
Methyl methanesulfonate	ND	330	
Naphthalene	ND	200	
Nitrobenzene	ND	330	
N-Nitrosodiethylamine	ND	330	
N-Nitrosodimethylamine	ND	330	
N-Nitroso-di-n-butylamine	ND	330	
N-Nitrosodi-n-propylamine	ND	330	
N-Nitrosomethylethylamine	ND	330	
N-Nitrosomorpholine	ND	330	
N-Nitrosopiperidine	ND	330	

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**Note:** See Qualifiers Page for a list of Qualifiers and their explanation.

**Client:** Partners Environmental Consulting, Inc.  
**Work Order:** 24060754  
**Project:** Former Leake Oil; 448 E. Taggart St., East Palesti

# QC BATCH REPORT

Batch ID: <b>99687</b>	Instrument ID <b>SVMS1</b>	Method: <b>SW8270C</b>						
N-Nitrosopyrrolidine	11.13	330						J
o-Toluidine	ND	1,600						
p-Dimethylaminoazobenzene	ND	330						
Pentachlorobenzene	ND	330						
Pentachloroethane	ND	330						
Pentachloronitrobenzene	ND	660						
Pentachlorophenol	ND	1,600						
Phenacetin	ND	660						
Phenanthrene	ND	200						
Phenol	ND	330						
Pyrene	ND	200						
Pyridine	ND	330						
Safrole	ND	330						
<i>Surr: 2,4,6-Tribromophenol</i>	5368	0	6660	0	80.6	14.2-136	0	
<i>Surr: 2-Fluorobiphenyl</i>	2434	0	3330	0	73.1	30-116	0	
<i>Surr: 2-Fluorophenol</i>	5716	0	6660	0	85.8	5.42-113	0	
<i>Surr: 4-Terphenyl-d14</i>	2676	0	3330	0	80.3	27.3-138	0	
<i>Surr: Nitrobenzene-d5</i>	2835	0	3330	0	85.1	23.7-109	0	
<i>Surr: Phenol-d6</i>	5715	0	6660	0	85.8	13.8-108	0	

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**Note:** See Qualifiers Page for a list of Qualifiers and their explanation.



Client: Partners Environmental Consulting, Inc.  
 Work Order: 24060754  
 Project: Former Leake Oil; 448 E. Taggart St., East Palesti

# QC BATCH REPORT

Batch ID: 99687 Instrument ID SVMS1 Method: SW8270C

LCS		Sample ID: LCS-99687-99687			Units: µg/Kg			Analysis Date: 6/28/2024 05:43 PM		
Client ID:		Run ID: SVMS1_240628A			SeqNo: 3437859		Prep Date: 6/28/2024		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2,4-Trichlorobenzene	2521	330	3330	0	75.7	39-104	0			
1,4-Dichlorobenzene	2196	330	3330	0	66	38.7-95.1	0			
2,4-Dinitrotoluene	2481	330	3330	0	74.5	52.4-99.5	0			
2-Chlorophenol	2322	330	3330	0	69.7	34.7-116	0			
4-Chloro-3-methylphenol	2545	660	3330	0	76.4	32.1-109	0			
4-Nitrophenol	2817	1,600	3330	0	84.6	36.2-146	0			
Acenaphthene	2339	200	3330	0	70.2	52-119	0			
Acenaphthylene	2376	200	3330	0	71.4	46-118	0			
Anthracene	2441	200	3330	0	73.3	56-109	0			
Benzo(a)anthracene	2536	100	3330	0	76.2	48-121	0			
Benzo(a)pyrene	2693	100	3330	0	80.9	40.1-114	0			
Benzo(b)fluoranthene	2482	200	3330	0	74.5	44-115	0			
Benzo(g,h,i)perylene	2737	200	3330	0	82.2	47.9-113	0			
Benzo(k)fluoranthene	2568	200	3330	0	77.1	39.5-116	0			
Carbazole	2724	200	3330	0	81.8	43.3-146	0			
Chrysene	2495	200	3330	0	74.9	49.2-115	0			
Dibenzo(a,h)anthracene	2785	100	3330	0	83.6	41.7-123	0			
Fluoranthene	2750	200	3330	0	82.6	52.7-118	0			
Fluorene	2425	200	3330	0	72.8	56.3-106	0			
Indeno(1,2,3-cd)pyrene	2738	100	3330	0	82.2	41.1-124	0			
N-Nitrosodi-n-propylamine	2316	330	3330	0	69.5	25.3-127	0			
Pentachlorophenol	2165	1,600	3330	0	65	22.1-105	0			
Phenanthrene	2351	200	3330	0	70.6	52.8-114	0			
Phenol	2333	330	3330	0	70	36.9-97.8	0			
Pyrene	2762	200	3330	0	83	50.7-109	0			
Surr: 2,4,6-Tribromophenol	5238	0	6660	0	78.6	14.2-136	0			
Surr: 2-Fluorobiphenyl	2369	0	3330	0	71.1	30-116	0			
Surr: 2-Fluorophenol	4538	0	6660	0	68.1	5.42-113	0			
Surr: 4-Terphenyl-d14	2750	0	3330	0	82.6	27.3-138	0			
Surr: Nitrobenzene-d5	2398	0	3330	0	72	23.7-109	0			
Surr: Phenol-d6	4729	0	6660	0	71	13.8-108	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Partners Environmental Consulting, Inc.  
 Work Order: 24060754  
 Project: Former Leake Oil; 448 E. Taggart St., East Palesti

# QC BATCH REPORT

Batch ID: 99687 Instrument ID SVMS1 Method: SW8270C

MS	Sample ID: 24060754-05BMS				Units: µg/Kg		Analysis Date: 6/28/2024 05:58 PM			
Client ID: SB-40 2-4'	Run ID: SVMS1_240628A			SeqNo: 3437860	Prep Date: 6/28/2024	DF: 1				
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2,4-Trichlorobenzene	2303	330	3326	0	69.3	39-91.8	0			
1,4-Dichlorobenzene	2008	330	3326	0	60.4	32.9-90	0			
2,4-Dinitrotoluene	2222	330	3326	27.9	66	29.7-121	0			
2-Chlorophenol	2131	330	3326	0	64.1	33.3-109	0			
4-Chloro-3-methylphenol	2328	660	3326	0	70	35.8-116	0			
4-Nitrophenol	2529	1,600	3326	44.54	74.7	34.1-120	0			
Acenaphthene	2083	200	3326	0	62.6	44-108	0			
Acenaphthylene	2130	200	3326	0	64	43.6-110	0			
Anthracene	2150	200	3326	0	64.7	35.8-104	0			
Benzo(a)anthracene	2244	100	3326	0	67.5	47-114	0			
Benzo(a)pyrene	2358	100	3326	0	70.9	43.8-115	0			
Benzo(b)fluoranthene	2136	200	3326	0	64.2	40-106	0			
Benzo(g,h,i)perylene	2419	200	3326	0	72.7	38.2-110	0			
Benzo(k)fluoranthene	2296	200	3326	0	69	48.6-107	0			
Carbazole	2362	200	3326	0	71	28.5-114	0			
Chrysene	2192	200	3326	9.72	65.6	44.3-97.5	0			
Dibenzo(a,h)anthracene	2464	100	3326	0	74.1	46-116	0			
Fluoranthene	2414	200	3326	0	72.6	40.2-129	0			
Fluorene	2167	200	3326	0	65.2	42.8-106	0			
Indeno(1,2,3-cd)pyrene	2423	100	3326	0	72.9	33-115	0			
Naphthalene	2124	200	3326	0	63.9	18.2-126	0			
N-Nitrosodi-n-propylamine	2101	330	3326	0	63.2	3.32-83.9	0			
Pentachlorophenol	1985	1,600	3326	0	59.7	9.31-107	0			
Phenanthrene	2087	200	3326	0	62.8	31.2-127	0			
Phenol	2117	330	3326	0	63.7	25.9-90.3	0			
Pyrene	2374	200	3326	0	71.4	33.7-129	0			
Surr: 2,4,6-Tribromophenol	4649	0	6651	0	69.9	14.2-136	0			
Surr: 2-Fluorobiphenyl	2076	0	3326	0	62.4	30-116	0			
Surr: 2-Fluorophenol	4074	0	6651	0	61.3	5.42-113	0			
Surr: 4-Terphenyl-d14	2341	0	3326	0	70.4	27.3-138	0			
Surr: Nitrobenzene-d5	2128	0	3326	0	64	23.7-109	0			
Surr: Phenol-d6	4179	0	6651	0	62.8	13.8-108	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Partners Environmental Consulting, Inc.  
 Work Order: 24060754  
 Project: Former Leake Oil; 448 E. Taggart St., East Palesti

# QC BATCH REPORT

Batch ID: 99687 Instrument ID SVMS1 Method: SW8270C

MSD	Sample ID: 24060754-05BMSD			Units: µg/Kg		Analysis Date: 6/28/2024 06:14 PM				
Client ID: SB-40 2-4'	Run ID: SVMS1_240628A			SeqNo: 3437861		Prep Date: 6/28/2024		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2,4-Trichlorobenzene	2439	330	3321	0	73.4	39-91.8	2303	5.72	20	
1,4-Dichlorobenzene	2158	330	3321	0	65	32.9-90	2008	7.18	20	
2,4-Dinitrotoluene	2358	330	3321	27.9	70.2	29.7-121	2222	5.95	20	
2-Chlorophenol	2281	330	3321	0	68.7	33.3-109	2131	6.81	20	
4-Chloro-3-methylphenol	2454	660	3321	0	73.9	35.8-116	2328	5.25	20	
4-Nitrophenol	2714	1,600	3321	44.54	80.4	34.1-120	2529	7.02	20	
Acenaphthene	2212	200	3321	0	66.6	44-108	2083	6.02	20	
Acenaphthylene	2267	200	3321	0	68.3	43.6-110	2130	6.26	20	
Anthracene	2260	200	3321	0	68	35.8-104	2150	4.98	20	
Benzo(a)anthracene	2391	100	3321	0	72	47-114	2244	6.36	20	
Benzo(a)pyrene	2506	100	3321	0	75.5	43.8-115	2358	6.1	20	
Benzo(b)fluoranthene	2298	200	3321	0	69.2	40-106	2136	7.34	20	
Benzo(g,h,i)perylene	2577	200	3321	0	77.6	38.2-110	2419	6.3	20	
Benzo(k)fluoranthene	2445	200	3321	0	73.6	48.6-107	2296	6.28	20	
Carbazole	2496	200	3321	0	75.2	28.5-114	2362	5.53	20	
Chrysene	2343	200	3321	9.72	70.3	44.3-97.5	2192	6.66	20	
Dibenzo(a,h)anthracene	2620	100	3321	0	78.9	46-116	2464	6.12	20	
Fluoranthene	2574	200	3321	0	77.5	40.2-129	2414	6.38	20	
Fluorene	2300	200	3321	0	69.2	42.8-106	2167	5.94	20	
Indeno(1,2,3-cd)pyrene	2598	100	3321	0	78.2	33-115	2423	6.99	20	
Naphthalene	2258	200	3321	0	68	18.2-126	2124	6.11	20	
N-Nitrosodi-n-propylamine	2246	330	3321	0	67.6	3.32-83.9	2101	6.67	20	
Pentachlorophenol	2130	1,600	3321	0	64.1	9.31-107	1985	7.03	20	
Phenanthrene	2194	200	3321	0	66.1	31.2-127	2087	5.01	20	
Phenol	2244	330	3321	0	67.6	25.9-90.3	2117	5.78	20	
Pyrene	2525	200	3321	0	76	33.7-129	2374	6.15	20	
Surr: 2,4,6-Tribromophenol	4815	0	6642	0	72.5	14.2-136	4649	3.49		
Surr: 2-Fluorobiphenyl	2195	0	3321	0	66.1	30-116	2076	5.56		
Surr: 2-Fluorophenol	4290	0	6642	0	64.6	5.42-113	4074	5.17		
Surr: 4-Terphenyl-d14	2482	0	3321	0	74.7	27.3-138	2341	5.87		
Surr: Nitrobenzene-d5	2260	0	3321	0	68	23.7-109	2128	5.98		
Surr: Phenol-d6	4445	0	6642	0	66.9	13.8-108	4179	6.16		

The following samples were analyzed in this batch:

24060754-01B	24060754-02B	24060754-03B
24060754-04B	24060754-05B	24060754-06B
24060754-07B	24060754-09B	24060754-10B
24060754-11B	24060754-12B	24060754-13B
24060754-14B	24060754-15B	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

**Client:** Partners Environmental Consulting, Inc.  
**Work Order:** 24060754  
**Project:** Former Leake Oil; 448 E. Taggart St., East Palesti

# QC BATCH REPORT

Batch ID: **99771**      Instrument ID **SVMS2**      Method: **SW8270C**

**MBLK**      Sample ID: **MBLK-99771-99771**      Units: **µg/Kg**      Analysis Date: **7/1/2024 04:00 PM**  
 Client ID:      Run ID: **SVMS2\_240701A**      SeqNo: **3439453**      Prep Date: **7/1/2024**      DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2,4,5-Tetrachlorobenzene	ND	330								
1,2,4-Trichlorobenzene	ND	330								
1,2-Dichlorobenzene	ND	330								
1,3-Dichlorobenzene	ND	330								
1,3-Dinitrobenzene	ND	330								
1,4-Dichlorobenzene	ND	330								
1-Methylnaphthalene	ND	200								
1-Naphthylamine	ND	330								
2,3,4,6-Tetrachlorophenol	ND	330								
2,4,5-Trichlorophenol	ND	330								
2,4,6-Trichlorophenol	ND	330								
2,4-Dichlorophenol	ND	330								
2,4-Dimethylphenol	ND	330								
2,4-Dinitrophenol	ND	1,600								
2,4-Dinitrotoluene	ND	330								
2,6-Dichlorophenol	ND	330								
2,6-Dinitrotoluene	ND	330								
2-Acetylaminofluorene	ND	330								
2-Chloronaphthalene	ND	330								
2-Chlorophenol	ND	330								
2-Methylnaphthalene	ND	200								
2-Methylphenol	ND	330								
2-Naphthylamine	ND	330								
2-Nitroaniline	ND	1,600								
2-Nitrophenol	ND	330								
2-Picoline	ND	330								
3&4-Methylphenol	ND	330								
3,3'-Dichlorobenzidine	ND	660								
3-Methylcholanthrene	ND	330								
3-Nitroaniline	ND	1,600								
4,6-Dinitro-2-methylphenol	ND	1,600								
4-Aminobiphenyl	ND	660								
4-Bromophenyl phenyl ether	ND	330								
4-Chloro-3-methylphenol	ND	660								
4-Chloroaniline	ND	660								
4-Chlorophenyl phenyl ether	ND	330								
4-Nitroaniline	ND	660								
4-Nitrophenol	ND	1,600								
4-Nitroquinoline 1-oxide	ND	1,600								
5-Nitro-o-toluidine	ND	330								
7,12-Dimethylbenz(a)anthracene	ND	330								
Acenaphthene	ND	200								

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**Note:** See Qualifiers Page for a list of Qualifiers and their explanation.

**Client:** Partners Environmental Consulting, Inc.  
**Work Order:** 24060754  
**Project:** Former Leake Oil; 448 E. Taggart St., East Palesti

## QC BATCH REPORT

Batch ID: <b>99771</b>	Instrument ID <b>SVMS2</b>	Method: <b>SW8270C</b>
Acenaphthylene	ND	200
Acetophenone	ND	330
Aniline	ND	330
Anthracene	ND	200
Azobenzene	ND	330
Benzidine	ND	330
Benzo(a)anthracene	ND	100
Benzo(a)pyrene	ND	100
Benzo(b)fluoranthene	ND	200
Benzo(g,h,i)perylene	ND	200
Benzo(k)fluoranthene	ND	200
Benzyl alcohol	ND	660
Bis(2-chloroethoxy)methane	ND	330
Bis(2-chloroethyl)ether	ND	330
Bis(2-chloroisopropyl)ether	ND	330
Bis(2-ethylhexyl)phthalate	ND	330
Butyl benzyl phthalate	ND	330
Carbazole	ND	200
Chrysene	ND	200
Dibenzo(a,h)anthracene	ND	100
Dibenzofuran	ND	200
Diethyl phthalate	ND	330
Dimethyl phthalate	ND	330
Di-n-butyl phthalate	ND	330
Di-n-octyl phthalate	ND	330
Dinoseb	ND	330
Diphenylamine	ND	330
Ethyl methanesulfonate	ND	330
Fluoranthene	ND	200
Fluorene	ND	200
Hexachlorobenzene	ND	330
Hexachlorobutadiene	ND	330
Hexachlorocyclopentadiene	ND	330
Hexachloroethane	ND	330
Indeno(1,2,3-cd)pyrene	ND	100
Isophorone	ND	330
Isosafrole	ND	330
Methapyrilene	ND	1,600
Methyl methanesulfonate	ND	330
Naphthalene	ND	200
Nitrobenzene	ND	330
N-Nitrosodiethylamine	ND	330
N-Nitrosodimethylamine	ND	330
N-Nitroso-di-n-butylamine	ND	330
N-Nitrosodi-n-propylamine	ND	330
N-Nitrosomethylethylamine	ND	330
N-Nitrosomorpholine	ND	330
N-Nitrosopiperidine	ND	330

**Note:** See Qualifiers Page for a list of Qualifiers and their explanation.

**Client:** Partners Environmental Consulting, Inc.  
**Work Order:** 24060754  
**Project:** Former Leake Oil; 448 E. Taggart St., East Palesti

# QC BATCH REPORT

Batch ID: <b>99771</b>	Instrument ID <b>SVMS2</b>	Method: <b>SW8270C</b>						
N-Nitrosopyrrolidine	ND	330						
o-Toluidine	ND	1,600						
p-Dimethylaminoazobenzene	ND	330						
Pentachlorobenzene	ND	330						
Pentachloroethane	ND	330						
Pentachloronitrobenzene	ND	660						
Pentachlorophenol	ND	1,600						
Phenacetin	ND	660						
Phenanthrene	ND	200						
Phenol	ND	330						
Pyrene	ND	200						
Pyridine	ND	330						
Safrole	ND	330						
<i>Surr: 2,4,6-Tribromophenol</i>	6192	0	6660	0	93	14.2-136		0
<i>Surr: 2-Fluorobiphenyl</i>	2677	0	3330	0	80.4	30-116		0
<i>Surr: 2-Fluorophenol</i>	5616	0	6660	0	84.3	5.42-113		0
<i>Surr: 4-Terphenyl-d14</i>	2968	0	3330	0	89.1	27.3-138		0
<i>Surr: Nitrobenzene-d5</i>	2592	0	3330	0	77.8	23.7-109		0
<i>Surr: Phenol-d6</i>	5899	0	6660	0	88.6	13.8-108		0

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**Note:** See Qualifiers Page for a list of Qualifiers and their explanation.

**Client:** Partners Environmental Consulting, Inc.  
**Work Order:** 24060754  
**Project:** Former Leake Oil; 448 E. Taggart St., East Palesti

# QC BATCH REPORT

Batch ID: **99771**      Instrument ID **SVMS2**      Method: **SW8270C**

LCS		Sample ID: <b>LCS-99771-99771</b>			Units: <b>µg/Kg</b>			Analysis Date: <b>7/1/2024 04:18 PM</b>		
Client ID:		Run ID: <b>SVMS2_240701A</b>			SeqNo: <b>3439454</b>		Prep Date: <b>7/1/2024</b>		DF: <b>1</b>	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2,4-Trichlorobenzene	2653	330	3330	0	79.7	39-104	0			
1,4-Dichlorobenzene	2437	330	3330	0	73.2	38.7-95.1	0			
2,4-Dinitrotoluene	2666	330	3330	0	80.1	52.4-99.5	0			
2-Chlorophenol	2330	330	3330	0	70	34.7-116	0			
4-Chloro-3-methylphenol	2543	660	3330	0	76.4	32.1-109	0			
4-Nitrophenol	2750	1,600	3330	0	82.6	36.2-146	0			
Acenaphthene	2573	200	3330	0	77.3	52-119	0			
Acenaphthylene	2618	200	3330	0	78.6	46-118	0			
Anthracene	2702	200	3330	0	81.1	56-109	0			
Benzo(a)anthracene	2640	100	3330	0	79.3	48-121	0			
Benzo(a)pyrene	2919	100	3330	0	87.6	40.1-114	0			
Benzo(b)fluoranthene	2703	200	3330	0	81.2	44-115	0			
Benzo(g,h,i)perylene	2848	200	3330	0	85.5	47.9-113	0			
Benzo(k)fluoranthene	2837	200	3330	0	85.2	39.5-116	0			
Carbazole	2806	200	3330	0	84.3	43.3-146	0			
Chrysene	2689	200	3330	0	80.8	49.2-115	0			
Dibenzo(a,h)anthracene	2909	100	3330	0	87.4	41.7-123	0			
Fluoranthene	2920	200	3330	0	87.7	52.7-118	0			
Fluorene	2708	200	3330	0	81.3	56.3-106	0			
Indeno(1,2,3-cd)pyrene	2902	100	3330	0	87.1	41.1-124	0			
N-Nitrosodi-n-propylamine	1538	330	3330	0	46.2	25.3-127	0			
Pentachlorophenol	2774	1,600	3330	0	83.3	22.1-105	0			
Phenanthrene	2683	200	3330	0	80.6	52.8-114	0			
Phenol	2301	330	3330	0	69.1	36.9-97.8	0			
Pyrene	2887	200	3330	0	86.7	50.7-109	0			
<i>Surr: 2,4,6-Tribromophenol</i>	<i>6180</i>	<i>0</i>	<i>6660</i>	<i>0</i>	<i>92.8</i>	<i>14.2-136</i>	<i>0</i>			
<i>Surr: 2-Fluorobiphenyl</i>	<i>2682</i>	<i>0</i>	<i>3330</i>	<i>0</i>	<i>80.5</i>	<i>30-116</i>	<i>0</i>			
<i>Surr: 2-Fluorophenol</i>	<i>4608</i>	<i>0</i>	<i>6660</i>	<i>0</i>	<i>69.2</i>	<i>5.42-113</i>	<i>0</i>			
<i>Surr: 4-Terphenyl-d14</i>	<i>2899</i>	<i>0</i>	<i>3330</i>	<i>0</i>	<i>87.1</i>	<i>27.3-138</i>	<i>0</i>			
<i>Surr: Nitrobenzene-d5</i>	<i>2368</i>	<i>0</i>	<i>3330</i>	<i>0</i>	<i>71.1</i>	<i>23.7-109</i>	<i>0</i>			
<i>Surr: Phenol-d6</i>	<i>4872</i>	<i>0</i>	<i>6660</i>	<i>0</i>	<i>73.2</i>	<i>13.8-108</i>	<i>0</i>			

**Note:** See Qualifiers Page for a list of Qualifiers and their explanation.



**Client:** Partners Environmental Consulting, Inc.  
**Work Order:** 24060754  
**Project:** Former Leake Oil; 448 E. Taggart St., East Palesti

# QC BATCH REPORT

Batch ID: **99771**      Instrument ID **SVMS2**      Method: **SW8270C**

MS		Sample ID: <b>24060754-18BMS</b>			Units: <b>µg/Kg</b>		Analysis Date: <b>7/1/2024 06:05 PM</b>			
Client ID: <b>MW-11 8-10'</b>		Run ID: <b>SVMS2_240701A</b>			SeqNo: <b>3439460</b>		Prep Date: <b>7/1/2024</b>		DF: <b>1</b>	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2,4-Trichlorobenzene	2420	330	3332	0	72.6	39-91.8	0			
1,4-Dichlorobenzene	2137	330	3332	0	64.1	32.9-90	0			
2,4-Dinitrotoluene	2407	330	3332	19.57	71.7	29.7-121	0			
2-Chlorophenol	2152	330	3332	0	64.6	33.3-109	0			
4-Chloro-3-methylphenol	2306	660	3332	0	69.2	35.8-116	0			
4-Nitrophenol	2666	1,700	3332	0	80	34.1-120	0			
Acenaphthene	2353	200	3332	0	70.6	44-108	0			
Acenaphthylene	2399	200	3332	0	72	43.6-110	0			
Anthracene	2426	200	3332	0	72.8	35.8-104	0			
Benzo(a)anthracene	2435	100	3332	0	73.1	47-114	0			
Benzo(a)pyrene	2626	100	3332	0	78.8	43.8-115	0			
Benzo(b)fluoranthene	2463	200	3332	0	73.9	40-106	0			
Benzo(g,h,i)perylene	2632	200	3332	0	79	38.2-110	0			
Benzo(k)fluoranthene	2537	200	3332	0	76.1	48.6-107	0			
Carbazole	2530	200	3332	0	75.9	28.5-114	0			
Chrysene	2455	200	3332	0	73.7	44.3-97.5	0			
Dibenzo(a,h)anthracene	2637	100	3332	0	79.1	46-116	0			
Fluoranthene	2646	200	3332	0	79.4	40.2-129	0			
Fluorene	2455	200	3332	0	73.7	42.8-106	0			
Indeno(1,2,3-cd)pyrene	2640	100	3332	0	79.2	33-115	0			
Naphthalene	2324	200	3332	0	69.8	18.2-126	0			
N-Nitrosodi-n-propylamine	1400	330	3332	0	42	3.32-83.9	0			
Pentachlorophenol	2523	1,700	3332	39.28	74.5	9.31-107	0			
Phenanthrene	2420	200	3332	0	72.6	31.2-127	0			
Phenol	2100	330	3332	0	63	25.9-90.3	0			
Pyrene	2618	200	3332	0	78.6	33.7-129	0			
Surr: 2,4,6-Tribromophenol	5683	0	6664	0	85.3	14.2-136	0			
Surr: 2-Fluorobiphenyl	2424	0	3332	0	72.7	30-116	0			
Surr: 2-Fluorophenol	4092	0	6664	0	61.4	5.42-113	0			
Surr: 4-Terphenyl-d14	2621	0	3332	0	78.7	27.3-138	0			
Surr: Nitrobenzene-d5	2139	0	3332	0	64.2	23.7-109	0			
Surr: Phenol-d6	4384	0	6664	0	65.8	13.8-108	0			

**Note:** See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Partners Environmental Consulting, Inc.  
 Work Order: 24060754  
 Project: Former Leake Oil; 448 E. Taggart St., East Palesti

# QC BATCH REPORT

Batch ID: 99771 Instrument ID SVMS2 Method: SW8270C

MSD	Sample ID: 24060754-18BMSD				Units: µg/Kg		Analysis Date: 7/1/2024 06:23 PM			
Client ID: MW-11 8-10'	Run ID: SVMS2_240701A			SeqNo: 3439461	Prep Date: 7/1/2024		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2,4-Trichlorobenzene	2274	330	3328	0	68.3	39-91.8	2420	6.21	20	
1,4-Dichlorobenzene	2155	330	3328	0	64.8	32.9-90	2137	0.818	20	
2,4-Dinitrotoluene	2323	330	3328	19.57	69.2	29.7-121	2407	3.56	20	
2-Chlorophenol	2054	330	3328	0	61.7	33.3-109	2152	4.66	20	
4-Chloro-3-methylphenol	2244	660	3328	0	67.4	35.8-116	2306	2.73	20	
4-Nitrophenol	2639	1,600	3328	0	79.3	34.1-120	2666	1.01	20	
Acenaphthene	2365	200	3328	0	71.1	44-108	2353	0.48	20	
Acenaphthylene	2366	200	3328	0	71.1	43.6-110	2399	1.41	20	
Anthracene	2490	200	3328	0	74.8	35.8-104	2426	2.61	20	
Benzo(a)anthracene	2409	100	3328	0	72.4	47-114	2435	1.11	20	
Benzo(a)pyrene	2649	100	3328	0	79.6	43.8-115	2626	0.85	20	
Benzo(b)fluoranthene	2464	200	3328	0	74.1	40-106	2463	0.0483	20	
Benzo(g,h,i)perylene	2620	200	3328	0	78.7	38.2-110	2632	0.438	20	
Benzo(k)fluoranthene	2594	200	3328	0	78	48.6-107	2537	2.23	20	
Carbazole	2547	200	3328	0	76.5	28.5-114	2530	0.633	20	
Chrysene	2448	200	3328	0	73.6	44.3-97.5	2455	0.297	20	
Dibenzo(a,h)anthracene	2655	100	3328	0	79.8	46-116	2637	0.655	20	
Fluoranthene	2668	200	3328	0	80.2	40.2-129	2646	0.848	20	
Fluorene	2485	200	3328	0	74.7	42.8-106	2455	1.19	20	
Indeno(1,2,3-cd)pyrene	2654	100	3328	0	79.8	33-115	2640	0.539	20	
Naphthalene	2228	200	3328	0	66.9	18.2-126	2324	4.24	20	
N-Nitrosodi-n-propylamine	1380	330	3328	0	41.5	3.32-83.9	1400	1.41	20	
Pentachlorophenol	2611	1,600	3328	39.28	77.3	9.31-107	2523	3.41	20	
Phenanthrene	2463	200	3328	0	74	31.2-127	2420	1.72	20	
Phenol	2023	330	3328	0	60.8	25.9-90.3	2100	3.74	20	
Pyrene	2630	200	3328	0	79	33.7-129	2618	0.461	20	
Surr: 2,4,6-Tribromophenol	5530	0	6656	0	83.1	14.2-136	5683	2.73		
Surr: 2-Fluorobiphenyl	2395	0	3328	0	72	30-116	2424	1.17		
Surr: 2-Fluorophenol	4084	0	6656	0	61.4	5.42-113	4092	0.208		
Surr: 4-Terphenyl-d14	2640	0	3328	0	79.3	27.3-138	2621	0.711		
Surr: Nitrobenzene-d5	2096	0	3328	0	63	23.7-109	2139	2		
Surr: Phenol-d6	4380	0	6656	0	65.8	13.8-108	4384	0.086		

The following samples were analyzed in this batch: 24060754-16B 24060754-17B 24060754-18B

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

**Client:** Partners Environmental Consulting, Inc.  
**Work Order:** 24060754  
**Project:** Former Leake Oil; 448 E. Taggart St., East Palesti

# QC BATCH REPORT

Batch ID: **R230967**      Instrument ID **VMS6**      Method: **SW8260B**

MBLK	Sample ID: <b>MBLK-R230967</b>			Units: <b>µg/L</b>		Analysis Date: <b>6/22/2024 01:10 PM</b>				
Client ID:	Run ID: <b>VMS6_240622A</b>			SeqNo: <b>3430614</b>		Prep Date:		DF: <b>1</b>		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1,2-Tetrachloroethane	ND	5.0								
1,1,1-Trichloroethane	ND	5.0								
1,1,2,2-Tetrachloroethane	ND	5.0								
1,1,2-Trichloroethane	ND	5.0								
1,1-Dichloroethane	ND	5.0								
1,1-Dichloroethene	ND	5.0								
1,1-Dichloropropene	ND	5.0								
1,2,3-Trichlorobenzene	ND	5.0								
1,2,3-Trichloropropane	ND	5.0								
1,2,4-Trichlorobenzene	ND	5.0								
1,2,4-Trimethylbenzene	ND	5.0								
1,2-Dibromo-3-chloropropane	0.043	0.20								J
1,2-Dibromoethane	ND	0.050								
1,2-Dichlorobenzene	ND	5.0								
1,2-Dichloroethane	ND	5.0								
1,2-Dichloropropane	ND	5.0								
1,3,5-Trimethylbenzene	ND	5.0								
1,3-Dichlorobenzene	ND	5.0								
1,3-Dichloropropane	ND	5.0								
1,4-Dichlorobenzene	ND	5.0								
2,2-Dichloropropane	ND	5.0								
2-Butanone	ND	50								
2-Chlorotoluene	ND	5.0								
2-Hexanone	ND	5.0								
4-Chlorotoluene	ND	5.0								
4-Methyl-2-pentanone	ND	5.0								
Acetone	ND	50								
Benzene	ND	5.0								
Bromobenzene	ND	5.0								
Bromochloromethane	ND	5.0								
Bromodichloromethane	ND	5.0								
Bromoform	ND	5.0								
Bromomethane	ND	5.0								
Carbon disulfide	ND	5.0								
Carbon tetrachloride	ND	5.0								
Chlorobenzene	ND	5.0								
Chloroethane	ND	5.0								
Chloroform	ND	5.0								
Chloromethane	ND	5.0								
cis-1,2-Dichloroethene	ND	5.0								
cis-1,3-Dichloropropene	0.332	5.0								J
Dibromochloromethane	ND	5.0								

**Note:** See Qualifiers Page for a list of Qualifiers and their explanation.

**Client:** Partners Environmental Consulting, Inc.  
**Work Order:** 24060754  
**Project:** Former Leake Oil; 448 E. Taggart St., East Palesti

# QC BATCH REPORT

Batch ID: <b>R230967</b>	Instrument ID <b>VMS6</b>	Method: <b>SW8260B</b>					
Dibromomethane	ND	5.0					
Dichlorodifluoromethane	ND	5.0					
Ethylbenzene	ND	5.0					
Hexachlorobutadiene	ND	5.0					
Isopropylbenzene	ND	5.0					
m,p-Xylene	ND	10					
Methyl tert-butyl ether	ND	5.0					
Methylene chloride	ND	5.0					
Naphthalene	ND	5.0					
n-Butylbenzene	ND	5.0					
n-Propylbenzene	ND	5.0					
o-Xylene	ND	5.0					
p-Isopropyltoluene	ND	5.0					
sec-Butylbenzene	ND	5.0					
Styrene	ND	5.0					
tert-Butylbenzene	ND	5.0					
Tetrachloroethene	ND	5.0					
Toluene	ND	5.0					
trans-1,2-Dichloroethene	ND	5.0					
trans-1,3-Dichloropropene	ND	5.0					
Trichloroethene	ND	5.0					
Trichlorofluoromethane	ND	5.0					
Vinyl chloride	ND	2.0					
Xylenes, Total	ND	15					
<i>Surr: 4-Bromofluorobenzene</i>	52.18	0	50	0	104	61-131	0
<i>Surr: Dibromofluoromethane</i>	47.86	0	50	0	95.7	72-137	0
<i>Surr: Toluene-d8</i>	47.67	0	50	0	95.3	93.7-124	0

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**Note:** See Qualifiers Page for a list of Qualifiers and their explanation.

**Client:** Partners Environmental Consulting, Inc.  
**Work Order:** 24060754  
**Project:** Former Leake Oil; 448 E. Taggart St., East Palesti

# QC BATCH REPORT

Batch ID: **R230967**      Instrument ID **VMS6**      Method: **SW8260B**

LCS		Sample ID: <b>LCS-R230967</b>				Units: <b>µg/L</b>		Analysis Date: <b>6/22/2024 11:46 AM</b>		
Client ID:		Run ID: <b>VMS6_240622A</b>			SeqNo: <b>3430611</b>		Prep Date:		DF: <b>1</b>	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	54.34	5.0	50	0	109	48.4-140	0			
1,1-Dichloroethane	56.42	5.0	50	0	113	45.5-150	0			
1,2-Dichloroethane	49.32	5.0	50	0	98.6	46.5-141	0			
1,3-Dichlorobenzene	51.84	5.0	50	0	104	42.5-133	0			
1,4-Dichlorobenzene	52.76	5.0	50	0	106	38.9-136	0			
Benzene	51.89	5.0	50	0	104	50.7-134	0			
Carbon tetrachloride	56.68	5.0	50	0	113	45.5-143	0			
Chlorobenzene	47.06	5.0	50	0	94.1	45-133	0			
Chloroform	55.65	5.0	50	0	111	52.4-136	0			
cis-1,2-Dichloroethene	53.94	5.0	50	0	108	49.7-138	0			
Ethylbenzene	44.96	5.0	50	0	89.9	37.8-145	0			
m,p-Xylene	99.42	10	100	0	99.4	25.1-163	0			
Methyl tert-butyl ether	51	5.0	50	0	102	26.7-174	0			
Styrene	53.9	5.0	50	0	108	26.3-172	0			
Tetrachloroethene	30.96	5.0	50	0	61.9	37.3-139	0			
Toluene	51.07	5.0	50	0	102	44-135	0			
Trichloroethene	60.93	5.0	50	0	122	45.9-140	0			
Xylenes, Total	146.4	15	150	0	97.6	47.3-132	0			
<i>Surr: 4-Bromofluorobenzene</i>	48.09	0	50	0	96.2	61-131	0			
<i>Surr: Dibromofluoromethane</i>	50.19	0	50	0	100	72-137	0			
<i>Surr: Toluene-d8</i>	49.8	0	50	0	99.6	93.7-124	0			

**Note:** See Qualifiers Page for a list of Qualifiers and their explanation.

**Client:** Partners Environmental Consulting, Inc.  
**Work Order:** 24060754  
**Project:** Former Leake Oil; 448 E. Taggart St., East Palesti

# QC BATCH REPORT

Batch ID: **R230967**      Instrument ID **VMS6**      Method: **SW8260B**

MS		Sample ID: <b>24060462-01A MS</b>				Units: <b>µg/L</b>		Analysis Date: <b>6/22/2024 12:04 PM</b>		
Client ID:		Run ID: <b>VMS6_240622A</b>			SeqNo: <b>3430612</b>		Prep Date:		DF: <b>1</b>	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	56.21	5.0	50	0	112	40.4-134	0			
1,1-Dichloroethene	59.4	5.0	50	0	119	45.3-151	0			
1,2-Dichloroethane	51.84	5.0	50	0	104	37-139	0			
1,3-Dichlorobenzene	53.58	5.0	50	0	107	42.9-121	0			
1,4-Dichlorobenzene	54.48	5.0	50	0	109	53.4-129	0			
Benzene	54.53	5.0	50	0	109	37.4-144	0			
Carbon tetrachloride	59.46	5.0	50	0	119	33.8-150	0			
Chlorobenzene	48.13	5.0	50	0	96.3	52.4-132	0			
Chloroform	56.77	5.0	50	0	114	45.5-135	0			
cis-1,2-Dichloroethene	62.85	5.0	50	0	126	35.2-150	0			
Ethylbenzene	46.96	5.0	50	0	93.9	46.5-146	0			
m,p-Xylene	105.3	10	100	0	105	38.2-167	0			
Styrene	55.69	5.0	50	0	111	20.9-184	0			
Tetrachloroethene	33.41	5.0	50	0	66.8	55.2-134	0			
Toluene	53.82	5.0	50	0	108	32.7-140	0			
Trichloroethene	72.55	5.0	50	0	145	29.1-153	0			
Xylenes, Total	154.7	15	150	0	103	43.6-148	0			
<i>Surr: 4-Bromofluorobenzene</i>	<i>48.07</i>	<i>0</i>	<i>50</i>	<i>0</i>	<i>96.1</i>	<i>61-131</i>	<i>0</i>			
<i>Surr: Dibromofluoromethane</i>	<i>50.06</i>	<i>0</i>	<i>50</i>	<i>0</i>	<i>100</i>	<i>72-137</i>	<i>0</i>			
<i>Surr: Toluene-d8</i>	<i>50.23</i>	<i>0</i>	<i>50</i>	<i>0</i>	<i>100</i>	<i>93.7-124</i>	<i>0</i>			

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**Note:** See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Partners Environmental Consulting, Inc.  
 Work Order: 24060754  
 Project: Former Leake Oil; 448 E. Taggart St., East Palesti

# QC BATCH REPORT

Batch ID: **R230967** Instrument ID **VMS6** Method: **SW8260B**

MSD		Sample ID: <b>24060462-01A MSD</b>				Units: <b>µg/L</b>		Analysis Date: <b>6/22/2024 12:22 PM</b>		
Client ID:		Run ID: <b>VMS6_240622A</b>			SeqNo: <b>3430613</b>		Prep Date:		DF: <b>1</b>	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	51.66	5.0	50	0	103	40.4-134	56.21	8.44	20	
1,1-Dichloroethene	53.12	5.0	50	0	106	45.3-151	59.4	11.2	20	
1,2-Dichloroethane	50.76	5.0	50	0	102	37-139	51.84	2.12	20	
1,3-Dichlorobenzene	50.93	5.0	50	0	102	42.9-121	53.58	5.08	20	
1,4-Dichlorobenzene	52.08	5.0	50	0	104	53.4-129	54.48	4.5	20	
Benzene	51.14	5.0	50	0	102	37.4-144	54.53	6.42	20	
Carbon tetrachloride	52.25	5.0	50	0	104	33.8-150	59.46	12.9	20	
Chlorobenzene	45.32	5.0	50	0	90.6	52.4-132	48.13	6.03	20	
Chloroform	54.48	5.0	50	0	109	45.5-135	56.77	4.11	20	
cis-1,2-Dichloroethene	53.27	5.0	50	0	107	35.2-150	62.85	16.5	20	
Ethylbenzene	43.32	5.0	50	0	86.6	46.5-146	46.96	8.05	20	
m,p-Xylene	98.27	10	100	0	98.3	38.2-167	105.3	6.89	20	
Styrene	53.13	5.0	50	0	106	20.9-184	55.69	4.69	20	
Tetrachloroethene	29.58	5.0	50	0	59.2	55.2-134	33.41	12.2	20	
Toluene	50.39	5.0	50	0	101	32.7-140	53.82	6.58	20	
Trichloroethene	56.89	5.0	50	0	114	29.1-153	72.55	24.2	20	R
Xylenes, Total	144.6	15	150	0	96.4	43.6-148	154.7	6.73	20	
Surr: 4-Bromofluorobenzene	48.08	0	50	0	96.2	61-131	48.07	0.025		
Surr: Dibromofluoromethane	49.61	0	50	0	99.2	72-137	50.06	0.887		
Surr: Toluene-d8	49.04	0	50	0	98.1	93.7-124	50.23	2.39		

The following samples were analyzed in this batch: 24060754-30A 24060754-31A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.



**Client:** Partners Environmental Consulting, Inc.  
**Work Order:** 24060754  
**Project:** Former Leake Oil; 448 E. Taggart St., East Palesti

# QC BATCH REPORT

Batch ID: **R231043**      Instrument ID **VMS5**      Method: **SW8260B**

**MBLK**      Sample ID: **MBLANK2-R231043**      Units: **µg/Kg**      Analysis Date: **6/24/2024 08:47 PM**  
 Client ID:      Run ID: **VMS5\_240624C**      SeqNo: **3433376**      Prep Date:      DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1,2-Tetrachloroethane	ND	5.0								
1,1,1-Trichloroethane	ND	5.0								
1,1,2,2-Tetrachloroethane	ND	5.0								
1,1,2-Trichloroethane	ND	5.0								
1,1-Dichloroethane	ND	5.0								
1,1-Dichloroethene	ND	5.0								
1,1-Dichloropropene	ND	5.0								
1,2,3-Trichlorobenzene	ND	5.0								
1,2,3-Trichloropropane	ND	5.0								
1,2,4-Trichlorobenzene	ND	5.0								
1,2,4-Trimethylbenzene	ND	5.0								
1,2-Dibromo-3-chloropropane	ND	5.0								
1,2-Dibromoethane	ND	5.0								
1,2-Dichlorobenzene	ND	5.0								
1,2-Dichloroethane	ND	5.0								
1,2-Dichloropropane	ND	5.0								
1,3,5-Trimethylbenzene	ND	5.0								
1,3-Dichlorobenzene	ND	5.0								
1,3-Dichloropropane	ND	5.0								
1,4-Dichlorobenzene	ND	5.0								
2,2-Dichloropropane	ND	5.0								
2-Butanone	ND	50								
2-Chlorotoluene	ND	5.0								
2-Hexanone	ND	5.0								
4-Chlorotoluene	ND	5.0								
4-Methyl-2-pentanone	ND	5.0								
Acetone	ND	50								
Benzene	ND	5.0								
Bromobenzene	ND	5.0								
Bromochloromethane	ND	5.0								
Bromodichloromethane	ND	5.0								
Bromoform	ND	5.0								
Bromomethane	ND	5.0								
Carbon disulfide	ND	5.0								
Carbon tetrachloride	ND	5.0								
Chlorobenzene	ND	5.0								
Chloroethane	ND	5.0								
Chloroform	ND	5.0								
Chloromethane	ND	5.0								
cis-1,2-Dichloroethene	ND	5.0								
cis-1,3-Dichloropropene	ND	5.0								
Dibromochloromethane	ND	5.0								

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**Note:** See Qualifiers Page for a list of Qualifiers and their explanation.

**Client:** Partners Environmental Consulting, Inc.  
**Work Order:** 24060754  
**Project:** Former Leake Oil; 448 E. Taggart St., East Palesti

# QC BATCH REPORT

Batch ID: <b>R231043</b>	Instrument ID <b>VMS5</b>	Method: <b>SW8260B</b>					
Dibromomethane	ND	5.0					
Dichlorodifluoromethane	ND	5.0					
Ethylbenzene	ND	5.0					
Hexachlorobutadiene	ND	5.0					
Isopropylbenzene	ND	5.0					
m,p-Xylene	ND	10					
Methyl tert-butyl ether	ND	5.0					
Methylene chloride	ND	20					
Naphthalene	ND	5.0					
n-Butylbenzene	ND	5.0					
n-Propylbenzene	ND	5.0					
o-Xylene	ND	5.0					
p-Isopropyltoluene	ND	5.0					
sec-Butylbenzene	ND	5.0					
Styrene	ND	5.0					
tert-Butylbenzene	ND	5.0					
Tetrachloroethene	ND	5.0					
Toluene	ND	5.0					
trans-1,2-Dichloroethene	ND	5.0					
trans-1,3-Dichloropropene	ND	5.0					
Trichloroethene	ND	5.0					
Trichlorofluoromethane	ND	5.0					
Vinyl chloride	ND	5.0					
Xylenes, Total	ND	15					
<i>Surr: 4-Bromofluorobenzene</i>	50.73	0	50	0	101	78.9-128	0
<i>Surr: Dibromofluoromethane</i>	50.42	0	50	0	101	79.1-140	0
<i>Surr: Toluene-d8</i>	50.04	0	50	0	100	84.5-124	0

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**Note:** See Qualifiers Page for a list of Qualifiers and their explanation.

**Client:** Partners Environmental Consulting, Inc.  
**Work Order:** 24060754  
**Project:** Former Leake Oil; 448 E. Taggert St., East Palesti

# QC BATCH REPORT

Batch ID: **R231043**      Instrument ID **VMS5**      Method: **SW8260B**

LCS		Sample ID: <b>LCS2-R231043</b>			Units: <b>µg/Kg</b>		Analysis Date: <b>6/24/2024 07:27 PM</b>			
Client ID:		Run ID: <b>VMS5_240624C</b>			SeqNo: <b>3433373</b>		Prep Date:		DF: <b>1</b>	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	46.42	5.0	50	0	92.8	53.6-149	0			
1,1-Dichloroethene	50.51	5.0	50	0	101	38.8-176	0			
1,2-Dichloroethane	46.5	5.0	50	0	93	54.4-145	0			
1,3-Dichlorobenzene	43.28	5.0	50	0	86.6	58.4-144	0			
1,4-Dichlorobenzene	42.51	5.0	50	0	85	55.3-144	0			
Benzene	46.11	5.0	50	0	92.2	56-148	0			
Carbon tetrachloride	47.78	5.0	50	0	95.6	51.9-151	0			
Chlorobenzene	44.65	5.0	50	0	89.3	55.4-137	0			
Chloroform	47.03	5.0	50	0	94.1	51.1-147	0			
cis-1,2-Dichloroethene	47.25	5.0	50	0	94.5	47.6-149	0			
Ethylbenzene	45.07	5.0	50	0	90.1	55.8-142	0			
m,p-Xylene	91.62	10	100	0	91.6	57.6-141	0			
Styrene	46.5	5.0	50	0	93	59.6-143	0			
Tetrachloroethene	29.82	5.0	50	0	59.6	35.6-132	0			
Toluene	45.97	5.0	50	0	91.9	56-143	0			
Trichloroethene	46.87	5.0	50	0	93.7	56.5-143	0			
<i>Surr: 4-Bromofluorobenzene</i>	<i>49.34</i>	<i>0</i>	<i>50</i>	<i>0</i>	<i>98.7</i>	<i>78.9-128</i>	<i>0</i>			
<i>Surr: Dibromofluoromethane</i>	<i>50.28</i>	<i>0</i>	<i>50</i>	<i>0</i>	<i>101</i>	<i>79.1-140</i>	<i>0</i>			
<i>Surr: Toluene-d8</i>	<i>49.95</i>	<i>0</i>	<i>50</i>	<i>0</i>	<i>99.9</i>	<i>84.5-124</i>	<i>0</i>			

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**Note:** See Qualifiers Page for a list of Qualifiers and their explanation.

**Client:** Partners Environmental Consulting, Inc.  
**Work Order:** 24060754  
**Project:** Former Leake Oil; 448 E. Taggert St., East Palesti

# QC BATCH REPORT

Batch ID: **R231043**      Instrument ID **VMS5**      Method: **SW8260B**

MS		Sample ID: <b>24060740-05AMS2</b>				Units: <b>µg/Kg</b>		Analysis Date: <b>6/24/2024 08:15 PM</b>		
Client ID:		Run ID: <b>VMS5_240624C</b>			SeqNo: <b>3433374</b>		Prep Date:		DF: <b>1</b>	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	35.24	5.0	50	0	70.5	66.9-140	0			
1,1-Dichloroethene	39.05	5.0	50	0	78.1	41.4-161	0			
1,2-Dichloroethane	31.15	5.0	50	0	62.3	58.9-137	0			
1,3-Dichlorobenzene	29.85	5.0	50	0	59.7	42.5-150	0			
1,4-Dichlorobenzene	29.48	5.0	50	0	59	52.1-137	0			
Benzene	33.8	5.0	50	0	67.6	35.8-162	0			
Carbon tetrachloride	36.93	5.0	50	0	73.9	53.2-137	0			
Chlorobenzene	31.82	5.0	50	0	63.6	65.6-137	0			S
Chloroform	33.77	5.0	50	0	67.5	63.6-147	0			
cis-1,2-Dichloroethene	33.59	5.0	50	0	67.2	52.9-138	0			
Ethylbenzene	33.24	5.0	50	0	66.5	57.5-134	0			
m,p-Xylene	67.3	10	100	0	67.3	56.4-135	0			
Styrene	32.65	5.0	50	0	65.3	60.9-135	0			
Tetrachloroethene	21.98	5.0	50	0	44	28.3-109	0			
Toluene	33.72	5.0	50	0	67.4	67.7-135	0			S
Trichloroethene	33.51	5.0	50	0	67	56.5-136	0			
<i>Surr: 4-Bromofluorobenzene</i>	49.33	0	50	0	98.7	78.9-128	0			
<i>Surr: Dibromofluoromethane</i>	51.12	0	50	0	102	79.1-140	0			
<i>Surr: Toluene-d8</i>	50.71	0	50	0	101	84.5-124	0			

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**Note:** See Qualifiers Page for a list of Qualifiers and their explanation.

**Client:** Partners Environmental Consulting, Inc.  
**Work Order:** 24060754  
**Project:** Former Leake Oil; 448 E. Taggert St., East Palesti

# QC BATCH REPORT

Batch ID: **R231043**      Instrument ID **VMS5**      Method: **SW8260B**

MSD		Sample ID: <b>24060740-05AMSD2</b>				Units: <b>µg/Kg</b>		Analysis Date: <b>6/24/2024 08:31 PM</b>		
Client ID:		Run ID: <b>VMS5_240624C</b>			SeqNo: <b>3433375</b>		Prep Date:		DF: <b>1</b>	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	36.41	5.0	50	0	72.8	66.9-140	35.24	3.28	20	
1,1-Dichloroethene	39.96	5.0	50	0	79.9	41.4-161	39.05	2.31	20	
1,2-Dichloroethane	33.82	5.0	50	0	67.6	58.9-137	31.15	8.24	20	
1,3-Dichlorobenzene	32.23	5.0	50	0	64.5	42.5-150	29.85	7.66	20	
1,4-Dichlorobenzene	30.99	5.0	50	0	62	52.1-137	29.48	4.97	20	
Benzene	35.63	5.0	50	0	71.3	35.8-162	33.8	5.27	20	
Carbon tetrachloride	38.15	5.0	50	0	76.3	53.2-137	36.93	3.26	20	
Chlorobenzene	33.85	5.0	50	0	67.7	65.6-137	31.82	6.16	20	
Chloroform	35.52	5.0	50	0	71	63.6-147	33.77	5.06	20	
cis-1,2-Dichloroethene	35.87	5.0	50	0	71.7	52.9-138	33.59	6.56	20	
Ethylbenzene	35	5.0	50	0	70	57.5-134	33.24	5.17	20	
m,p-Xylene	71.08	10	100	0	71.1	56.4-135	67.3	5.46	20	
Styrene	34.86	5.0	50	0	69.7	60.9-135	32.65	6.54	20	
Tetrachloroethene	23.03	5.0	50	0	46.1	28.3-109	21.98	4.69	20	
Toluene	35.55	5.0	50	0	71.1	67.7-135	33.72	5.3	20	
Trichloroethene	34.93	5.0	50	0	69.9	56.5-136	33.51	4.17	20	
<i>Surr: 4-Bromofluorobenzene</i>	<i>49.39</i>	<i>0</i>	<i>50</i>	<i>0</i>	<i>98.8</i>	<i>78.9-128</i>	<i>49.33</i>	<i>0.134</i>		
<i>Surr: Dibromofluoromethane</i>	<i>50.36</i>	<i>0</i>	<i>50</i>	<i>0</i>	<i>101</i>	<i>79.1-140</i>	<i>51.12</i>	<i>1.51</i>		
<i>Surr: Toluene-d8</i>	<i>50.61</i>	<i>0</i>	<i>50</i>	<i>0</i>	<i>101</i>	<i>84.5-124</i>	<i>50.71</i>	<i>0.199</i>		

The following samples were analyzed in this batch:      24060754-01A      24060754-02A      24060754-03A

**Note:** See Qualifiers Page for a list of Qualifiers and their explanation.

**Client:** Partners Environmental Consulting, Inc.  
**Work Order:** 24060754  
**Project:** Former Leake Oil; 448 E. Taggart St., East Palesti

# QC BATCH REPORT

Batch ID: **R231058**      Instrument ID **VMS6**      Method: **SW8260B**

**MBLK**      Sample ID: **MBLK-R231058**      Units: **µg/L**      Analysis Date: **6/25/2024 12:03 PM**

Client ID:      Run ID: **VMS6\_240625A**      SeqNo: **3433724**      Prep Date:      DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1,2-Tetrachloroethane	ND	5.0								
1,1,1-Trichloroethane	ND	5.0								
1,1,2,2-Tetrachloroethane	ND	5.0								
1,1,2-Trichloroethane	ND	5.0								
1,1-Dichloroethane	ND	5.0								
1,1-Dichloroethene	ND	5.0								
1,1-Dichloropropene	ND	5.0								
1,2,3-Trichlorobenzene	ND	5.0								
1,2,3-Trichloropropane	ND	5.0								
1,2,4-Trichlorobenzene	ND	5.0								
1,2,4-Trimethylbenzene	ND	5.0								
1,2-Dibromo-3-chloropropane	0.098	0.20								J
1,2-Dibromoethane	ND	0.050								
1,2-Dichlorobenzene	ND	5.0								
1,2-Dichloroethane	ND	5.0								
1,2-Dichloropropane	ND	5.0								
1,3,5-Trimethylbenzene	ND	5.0								
1,3-Dichlorobenzene	ND	5.0								
1,3-Dichloropropane	ND	5.0								
1,4-Dichlorobenzene	ND	5.0								
2,2-Dichloropropane	ND	5.0								
2-Butanone	ND	50								
2-Chlorotoluene	ND	5.0								
2-Hexanone	ND	5.0								
4-Chlorotoluene	ND	5.0								
4-Methyl-2-pentanone	ND	5.0								
Acetone	ND	50								
Benzene	ND	5.0								
Bromobenzene	ND	5.0								
Bromochloromethane	ND	5.0								
Bromodichloromethane	ND	5.0								
Bromoform	ND	5.0								
Bromomethane	ND	5.0								
Carbon disulfide	ND	5.0								
Carbon tetrachloride	ND	5.0								
Chlorobenzene	ND	5.0								
Chloroethane	ND	5.0								
Chloroform	ND	5.0								
Chloromethane	ND	5.0								
cis-1,2-Dichloroethene	ND	5.0								
cis-1,3-Dichloropropene	ND	5.0								
Dibromochloromethane	ND	5.0								

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**Note:** See Qualifiers Page for a list of Qualifiers and their explanation.

**Client:** Partners Environmental Consulting, Inc.  
**Work Order:** 24060754  
**Project:** Former Leake Oil; 448 E. Taggart St., East Palesti

# QC BATCH REPORT

Batch ID: <b>R231058</b>	Instrument ID <b>VMS6</b>	Method: <b>SW8260B</b>					
Dibromomethane	ND	5.0					
Dichlorodifluoromethane	ND	5.0					
Ethylbenzene	ND	5.0					
Hexachlorobutadiene	ND	5.0					
Isopropylbenzene	ND	5.0					
m,p-Xylene	ND	10					
Methyl tert-butyl ether	ND	5.0					
Methylene chloride	ND	5.0					
Naphthalene	ND	5.0					
n-Butylbenzene	ND	5.0					
n-Propylbenzene	ND	5.0					
o-Xylene	ND	5.0					
p-Isopropyltoluene	ND	5.0					
sec-Butylbenzene	ND	5.0					
Styrene	ND	5.0					
tert-Butylbenzene	ND	5.0					
Tetrachloroethene	ND	5.0					
Toluene	ND	5.0					
trans-1,2-Dichloroethene	ND	5.0					
trans-1,3-Dichloropropene	ND	5.0					
Trichloroethene	ND	5.0					
Trichlorofluoromethane	ND	5.0					
Vinyl chloride	ND	2.0					
Xylenes, Total	ND	15					
<i>Surr: 4-Bromofluorobenzene</i>	52.86	0	50	0	106	61-131	0
<i>Surr: Dibromofluoromethane</i>	57.64	0	50	0	115	72-137	0
<i>Surr: Toluene-d8</i>	48.5	0	50	0	97	93.7-124	0

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**Note:** See Qualifiers Page for a list of Qualifiers and their explanation.



**Client:** Partners Environmental Consulting, Inc.  
**Work Order:** 24060754  
**Project:** Former Leake Oil; 448 E. Taggart St., East Palesti

# QC BATCH REPORT

Batch ID: **R231058**      Instrument ID **VMS6**      Method: **SW8260B**

LCS		Sample ID: <b>LCS-R231058</b>				Units: <b>µg/L</b>		Analysis Date: <b>6/25/2024 09:59 AM</b>		
Client ID:		Run ID: <b>VMS6_240625A</b>		SeqNo: <b>3433721</b>		Prep Date:		DF: <b>1</b>		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	58.47	5.0	50	0	117	48.4-140	0			
1,1-Dichloroethane	60.22	5.0	50	0	120	45.5-150	0			
1,2-Dichloroethane	54.36	5.0	50	0	109	46.5-141	0			
1,3-Dichlorobenzene	53.71	5.0	50	0	107	42.5-133	0			
1,4-Dichlorobenzene	52.08	5.0	50	0	104	38.9-136	0			
Benzene	45.22	5.0	50	0	90.4	50.7-134	0			
Carbon tetrachloride	55.23	5.0	50	0	110	45.5-143	0			
Chlorobenzene	49.73	5.0	50	0	99.5	45-133	0			
Chloroform	56.76	5.0	50	0	114	52.4-136	0			
cis-1,2-Dichloroethene	48.73	5.0	50	0	97.5	49.7-138	0			
Ethylbenzene	48.89	5.0	50	0	97.8	37.8-145	0			
m,p-Xylene	106.4	10	100	0	106	25.1-163	0			
Methyl tert-butyl ether	56.13	5.0	50	0	112	26.7-174	0			
Styrene	52.31	5.0	50	0	105	26.3-172	0			
Tetrachloroethene	36.2	5.0	50	0	72.4	37.3-139	0			
Toluene	51.79	5.0	50	0	104	44-135	0			
Trichloroethene	61.42	5.0	50	0	123	45.9-140	0			
Xylenes, Total	159.8	15	150	0	107	47.3-132	0			
<i>Surr: 4-Bromofluorobenzene</i>	49.96	0	50	0	99.9	61-131	0			
<i>Surr: Dibromofluoromethane</i>	49.54	0	50	0	99.1	72-137	0			
<i>Surr: Toluene-d8</i>	48.63	0	50	0	97.3	93.7-124	0			

**Note:** See Qualifiers Page for a list of Qualifiers and their explanation.

**Client:** Partners Environmental Consulting, Inc.  
**Work Order:** 24060754  
**Project:** Former Leake Oil; 448 E. Taggart St., East Palesti

# QC BATCH REPORT

Batch ID: **R231058**      Instrument ID **VMS6**      Method: **SW8260B**

MS		Sample ID: <b>24060743-03A MS</b>				Units: <b>µg/L</b>		Analysis Date: <b>6/25/2024 10:36 AM</b>		
Client ID:		Run ID: <b>VMS6_240625A</b>		SeqNo: <b>3433722</b>		Prep Date:		DF: <b>1</b>		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	55.39	5.0	50	0	111	40.4-134	0			
1,1-Dichloroethene	55.5	5.0	50	0	111	45.3-151	0			
1,2-Dichloroethane	52.88	5.0	50	0	106	37-139	0			
1,3-Dichlorobenzene	50.68	5.0	50	0	101	42.9-121	0			
1,4-Dichlorobenzene	49.73	5.0	50	0	99.5	53.4-129	0			
Benzene	46.05	5.0	50	0	92.1	37.4-144	0			
Carbon tetrachloride	51.37	5.0	50	0	103	33.8-150	0			
Chlorobenzene	45.55	5.0	50	0	91.1	52.4-132	0			
Chloroform	54.9	5.0	50	0	110	45.5-135	0			
cis-1,2-Dichloroethene	46.9	5.0	50	0.446	92.9	35.2-150	0			
Ethylbenzene	44.9	5.0	50	0	89.8	46.5-146	0			
m,p-Xylene	99.68	10	100	0	99.7	38.2-167	0			
Styrene	48.6	5.0	50	0	97.2	20.9-184	0			
Tetrachloroethene	32.85	5.0	50	0	65.7	55.2-134	0			
Toluene	49.59	5.0	50	0	99.2	32.7-140	0			
Trichloroethene	46.94	5.0	50	0	93.9	29.1-153	0			
Xylenes, Total	149	15	150	0	99.3	43.6-148	0			
<i>Surr: 4-Bromofluorobenzene</i>	<i>49.81</i>	<i>0</i>	<i>50</i>	<i>0</i>	<i>99.6</i>	<i>61-131</i>	<i>0</i>			
<i>Surr: Dibromofluoromethane</i>	<i>50.61</i>	<i>0</i>	<i>50</i>	<i>0</i>	<i>101</i>	<i>72-137</i>	<i>0</i>			
<i>Surr: Toluene-d8</i>	<i>49.06</i>	<i>0</i>	<i>50</i>	<i>0</i>	<i>98.1</i>	<i>93.7-124</i>	<i>0</i>			

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**Note:** See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Partners Environmental Consulting, Inc.  
 Work Order: 24060754  
 Project: Former Leake Oil; 448 E. Taggart St., East Palesti

# QC BATCH REPORT

Batch ID: **R231058** Instrument ID **VMS6** Method: **SW8260B**

MSD		Sample ID: <b>24060743-03A MSD</b>				Units: <b>µg/L</b>		Analysis Date: <b>6/25/2024 10:54 AM</b>		
Client ID:		Run ID: <b>VMS6_240625A</b>			SeqNo: <b>3433723</b>		Prep Date:		DF: <b>1</b>	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	57.98	5.0	50	0	116	40.4-134	55.39	4.57	20	
1,1-Dichloroethene	59.79	5.0	50	0	120	45.3-151	55.5	7.45	20	
1,2-Dichloroethane	52.84	5.0	50	0	106	37-139	52.88	0.0738	20	
1,3-Dichlorobenzene	51.27	5.0	50	0	103	42.9-121	50.68	1.16	20	
1,4-Dichlorobenzene	49.96	5.0	50	0	99.9	53.4-129	49.73	0.443	20	
Benzene	44.96	5.0	50	0	89.9	37.4-144	46.05	2.38	20	
Carbon tetrachloride	53.68	5.0	50	0	107	33.8-150	51.37	4.39	20	
Chlorobenzene	48.79	5.0	50	0	97.6	52.4-132	45.55	6.87	20	
Chloroform	54.65	5.0	50	0	109	45.5-135	54.9	0.46	20	
cis-1,2-Dichloroethene	50.22	5.0	50	0.446	99.6	35.2-150	46.9	6.85	20	
Ethylbenzene	48.82	5.0	50	0	97.6	46.5-146	44.9	8.35	20	
m,p-Xylene	106.8	10	100	0	107	38.2-167	99.68	6.88	20	
Styrene	51.12	5.0	50	0	102	20.9-184	48.6	5.04	20	
Tetrachloroethene	36.29	5.0	50	0	72.6	55.2-134	32.85	9.95	20	
Toluene	50.11	5.0	50	0	100	32.7-140	49.59	1.04	20	
Trichloroethene	65	5.0	50	0	130	29.1-153	46.94	32.3	20	R
Xylenes, Total	157.2	15	150	0	105	43.6-148	149	5.34	20	
<i>Surr: 4-Bromofluorobenzene</i>	49.43	0	50	0	98.9	61-131	49.81	0.76		
<i>Surr: Dibromofluoromethane</i>	50.76	0	50	0	102	72-137	50.61	0.3		
<i>Surr: Toluene-d8</i>	48.6	0	50	0	97.2	93.7-124	49.06	0.942		

The following samples were analyzed in this batch: 24060754-08A 24060754-27A 24060754-28A  
 24060754-32A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

**Client:** Partners Environmental Consulting, Inc.  
**Work Order:** 24060754  
**Project:** Former Leake Oil; 448 E. Taggart St., East Palesti

# QC BATCH REPORT

Batch ID: **R231076**      Instrument ID **VMS2**      Method: **SW8260B**

MBLK	Sample ID: <b>BLANK-R231076</b>				Units: <b>µg/Kg</b>		Analysis Date: <b>6/26/2024 09:47 AM</b>			
Client ID:	Run ID: <b>VMS2_240626A</b>			SeqNo: <b>3434125</b>		Prep Date:		DF: <b>1</b>		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1,2-Tetrachloroethane	ND	5.0								
1,1,1-Trichloroethane	ND	5.0								
1,1,2,2-Tetrachloroethane	ND	5.0								
1,1,2-Trichloroethane	ND	5.0								
1,1-Dichloroethane	ND	5.0								
1,1-Dichloroethene	ND	5.0								
1,1-Dichloropropene	ND	5.0								
1,2,3-Trichlorobenzene	ND	5.0								
1,2,3-Trichloropropane	ND	5.0								
1,2,4-Trichlorobenzene	ND	5.0								
1,2,4-Trimethylbenzene	ND	5.0								
1,2-Dibromo-3-chloropropane	ND	5.0								
1,2-Dibromoethane	ND	5.0								
1,2-Dichlorobenzene	ND	5.0								
1,2-Dichloroethane	ND	5.0								
1,2-Dichloropropane	ND	5.0								
1,3,5-Trimethylbenzene	ND	5.0								
1,3-Dichlorobenzene	ND	5.0								
1,3-Dichloropropane	ND	5.0								
1,4-Dichlorobenzene	ND	5.0								
2,2-Dichloropropane	ND	5.0								
2-Butanone	ND	50								
2-Chlorotoluene	2.674	5.0								J
2-Hexanone	ND	5.0								
4-Chlorotoluene	ND	5.0								
4-Methyl-2-pentanone	ND	5.0								
Acetone	ND	50								
Benzene	ND	5.0								
Bromobenzene	ND	5.0								
Bromochloromethane	ND	5.0								
Bromodichloromethane	ND	5.0								
Bromoform	ND	5.0								
Bromomethane	ND	5.0								
Carbon disulfide	ND	5.0								
Carbon tetrachloride	ND	5.0								
Chlorobenzene	ND	5.0								
Chloroethane	ND	5.0								
Chloroform	ND	5.0								
Chloromethane	ND	5.0								
cis-1,2-Dichloroethene	ND	5.0								
cis-1,3-Dichloropropene	ND	5.0								
Dibromochloromethane	ND	5.0								

**Note:** See Qualifiers Page for a list of Qualifiers and their explanation.

**Client:** Partners Environmental Consulting, Inc.  
**Work Order:** 24060754  
**Project:** Former Leake Oil; 448 E. Taggart St., East Palesti

# QC BATCH REPORT

Batch ID: <b>R231076</b>	Instrument ID <b>VMS2</b>	Method: <b>SW8260B</b>					
Dibromomethane	ND	5.0					
Dichlorodifluoromethane	ND	5.0					
Ethylbenzene	ND	5.0					
Hexachlorobutadiene	ND	5.0					
Isopropylbenzene	ND	5.0					
m,p-Xylene	ND	10					
Methyl tert-butyl ether	ND	5.0					
Methylene chloride	ND	20					
Naphthalene	ND	5.0					
n-Butylbenzene	0.861	5.0					J
n-Propylbenzene	1.718	5.0					J
o-Xylene	ND	5.0					
p-Isopropyltoluene	ND	5.0					
sec-Butylbenzene	ND	5.0					
Styrene	ND	5.0					
tert-Butylbenzene	ND	5.0					
Tetrachloroethene	ND	5.0					
Toluene	ND	5.0					
trans-1,2-Dichloroethene	ND	5.0					
trans-1,3-Dichloropropene	ND	5.0					
Trichloroethene	ND	5.0					
Trichlorofluoromethane	ND	5.0					
Vinyl chloride	ND	5.0					
Xylenes, Total	ND	15					
<i>Surr: 4-Bromofluorobenzene</i>	51.32	0	50	0	103	78.9-128	0
<i>Surr: Dibromofluoromethane</i>	54.92	0	50	0	110	79.1-140	0
<i>Surr: Toluene-d8</i>	54.43	0	50	0	109	84.5-124	0

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**Note:** See Qualifiers Page for a list of Qualifiers and their explanation.

**Client:** Partners Environmental Consulting, Inc.  
**Work Order:** 24060754  
**Project:** Former Leake Oil; 448 E. Taggart St., East Palesti

# QC BATCH REPORT

Batch ID: **R231076**      Instrument ID **VMS2**      Method: **SW8260B**

LCS		Sample ID: <b>LCS-R231076</b>				Units: <b>µg/Kg</b>		Analysis Date: <b>6/26/2024 10:03 AM</b>		
Client ID:		Run ID: <b>VMS2_240626A</b>		SeqNo: <b>3434126</b>		Prep Date:		DF: <b>1</b>		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	41.18	5.0	50	0	82.4	53.6-149	0			
1,1-Dichloroethene	44.37	5.0	50	0	88.7	38.8-176	0			
1,2-Dichloroethane	40.02	5.0	50	0	80	54.4-145	0			
1,3-Dichlorobenzene	37.78	5.0	50	0	75.6	58.4-144	0			
1,4-Dichlorobenzene	36.45	5.0	50	0	72.9	55.3-144	0			
Benzene	39.86	5.0	50	0	79.7	56-148	0			
Carbon tetrachloride	44.54	5.0	50	0	89.1	51.9-151	0			
Chlorobenzene	38.47	5.0	50	0	76.9	55.4-137	0			
Chloroform	41.05	5.0	50	0	82.1	51.1-147	0			
cis-1,2-Dichloroethene	40.72	5.0	50	0	81.4	47.6-149	0			
Ethylbenzene	38.89	5.0	50	0	77.8	55.8-142	0			
m,p-Xylene	78.2	10	100	0	78.2	57.6-141	0			
Styrene	39.79	5.0	50	0	79.6	59.6-143	0			
Tetrachloroethene	31.14	5.0	50	0	62.3	35.6-132	0			
Toluene	38.12	5.0	50	0	76.2	56-143	0			
Trichloroethene	39.96	5.0	50	0	79.9	56.5-143	0			
<i>Surr: 4-Bromofluorobenzene</i>	<i>51.52</i>	<i>0</i>	<i>50</i>	<i>0</i>	<i>103</i>	<i>78.9-128</i>	<i>0</i>			
<i>Surr: Dibromofluoromethane</i>	<i>52.4</i>	<i>0</i>	<i>50</i>	<i>0</i>	<i>105</i>	<i>79.1-140</i>	<i>0</i>			
<i>Surr: Toluene-d8</i>	<i>51.09</i>	<i>0</i>	<i>50</i>	<i>0</i>	<i>102</i>	<i>84.5-124</i>	<i>0</i>			

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**Note:** See Qualifiers Page for a list of Qualifiers and their explanation.

**Client:** Partners Environmental Consulting, Inc.  
**Work Order:** 24060754  
**Project:** Former Leake Oil; 448 E. Taggart St., East Palesti

# QC BATCH REPORT

Batch ID: **R231076**      Instrument ID **VMS2**      Method: **SW8260B**

MS		Sample ID: <b>24060754-04AMS</b>				Units: <b>µg/Kg</b>		Analysis Date: <b>6/26/2024 10:35 AM</b>		
Client ID: <b>SB-39 6-8'</b>		Run ID: <b>VMS2_240626A</b>		SeqNo: <b>3434127</b>		Prep Date:		DF: <b>1</b>		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	40.12	5.0	50	0	80.2	66.9-140	0			
1,1-Dichloroethane	43.1	5.0	50	0	86.2	41.4-161	0			
1,2-Dichloroethane	40.7	5.0	50	0	81.4	58.9-137	0			
1,3-Dichlorobenzene	35.7	5.0	50	0	71.4	42.5-150	0			
1,4-Dichlorobenzene	34.69	5.0	50	0	69.4	52.1-137	0			
Benzene	39.29	5.0	50	0	78.6	35.8-162	0			
Carbon tetrachloride	43.67	5.0	50	0	87.3	53.2-137	0			
Chlorobenzene	36.67	5.0	50	0	73.3	65.6-137	0			
Chloroform	40.64	5.0	50	0	81.3	63.6-147	0			
cis-1,2-Dichloroethene	40.41	5.0	50	0	80.8	52.9-138	0			
Ethylbenzene	36.97	5.0	50	0	73.9	57.5-134	0			
m,p-Xylene	74.7	10	100	0	74.7	56.4-135	0			
Styrene	37.66	5.0	50	0	75.3	60.9-135	0			
Tetrachloroethene	29.87	5.0	50	0	59.7	28.3-109	0			
Toluene	37.16	5.0	50	0	74.3	67.7-135	0			
Trichloroethene	38.54	5.0	50	0	77.1	56.5-136	0			
<i>Surr: 4-Bromofluorobenzene</i>	<i>50.93</i>	<i>0</i>	<i>50</i>	<i>0</i>	<i>102</i>	<i>78.9-128</i>	<i>0</i>			
<i>Surr: Dibromofluoromethane</i>	<i>53.99</i>	<i>0</i>	<i>50</i>	<i>0</i>	<i>108</i>	<i>79.1-140</i>	<i>0</i>			
<i>Surr: Toluene-d8</i>	<i>51.67</i>	<i>0</i>	<i>50</i>	<i>0</i>	<i>103</i>	<i>84.5-124</i>	<i>0</i>			

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**Note:** See Qualifiers Page for a list of Qualifiers and their explanation.



Client: Partners Environmental Consulting, Inc.  
 Work Order: 24060754  
 Project: Former Leake Oil; 448 E. Taggart St., East Palesti

# QC BATCH REPORT

Batch ID: **R231076** Instrument ID **VMS2** Method: **SW8260B**

MSD		Sample ID: <b>24060754-04AMSD</b>				Units: <b>µg/Kg</b>		Analysis Date: <b>6/26/2024 10:51 AM</b>		
Client ID: <b>SB-39 6-8'</b>		Run ID: <b>VMS2_240626A</b>				SeqNo: <b>3434128</b>		Prep Date:		DF: <b>1</b>
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	36.84	5.0	50	0	73.7	66.9-140	40.12	8.54	20	
1,1-Dichloroethene	39.11	5.0	50	0	78.2	41.4-161	43.1	9.71	20	
1,2-Dichloroethane	36.83	5.0	50	0	73.7	58.9-137	40.7	9.98	20	
1,3-Dichlorobenzene	31.37	5.0	50	0	62.7	42.5-150	35.7	12.9	20	
1,4-Dichlorobenzene	30.28	5.0	50	0	60.6	52.1-137	34.69	13.6	20	
Benzene	35.71	5.0	50	0	71.4	35.8-162	39.29	9.55	20	
Carbon tetrachloride	39.83	5.0	50	0	79.7	53.2-137	43.67	9.2	20	
Chlorobenzene	33.14	5.0	50	0	66.3	65.6-137	36.67	10.1	20	
Chloroform	37.14	5.0	50	0	74.3	63.6-147	40.64	9.01	20	
cis-1,2-Dichloroethene	36.71	5.0	50	0	73.4	52.9-138	40.41	9.6	20	
Ethylbenzene	33.77	5.0	50	0	67.5	57.5-134	36.97	9.03	20	
m,p-Xylene	68.9	10	100	0	68.9	56.4-135	74.7	8.08	20	
Styrene	34.38	5.0	50	0	68.8	60.9-135	37.66	9.13	20	
Tetrachloroethene	27.15	5.0	50	0	54.3	28.3-109	29.87	9.51	20	
Toluene	33.81	5.0	50	0	67.6	67.7-135	37.16	9.44	20	S
Trichloroethene	35.37	5.0	50	0	70.7	56.5-136	38.54	8.57	20	
Surr: 4-Bromofluorobenzene	50.26	0	50	0	101	78.9-128	50.93	1.33		
Surr: Dibromofluoromethane	52.9	0	50	0	106	79.1-140	53.99	2.04		
Surr: Toluene-d8	50.91	0	50	0	102	84.5-124	51.67	1.47		

The following samples were analyzed in this batch:

- 24060754-02A
- 24060754-04A
- 24060754-05A
- 24060754-06A
- 24060754-07A
- 24060754-09A
- 24060754-10A
- 24060754-11A
- 24060754-12A
- 24060754-15A
- 24060754-16A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

**Client:** Partners Environmental Consulting, Inc.  
**Work Order:** 24060754  
**Project:** Former Leake Oil; 448 E. Taggart St., East Palesti

# QC BATCH REPORT

Batch ID: **R231077**      Instrument ID **VMS2**      Method: **SW8260B**

**MBLK**      Sample ID: **MBLANK-R231077**      Units: **µg/Kg**      Analysis Date: **6/25/2024 11:38 AM**  
 Client ID:      Run ID: **VMS2\_240625B**      SeqNo: **3434132**      Prep Date:      DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1,2-Tetrachloroethane	ND	5.0								
1,1,1-Trichloroethane	ND	5.0								
1,1,2,2-Tetrachloroethane	ND	5.0								
1,1,2-Trichloroethane	ND	5.0								
1,1-Dichloroethane	ND	5.0								
1,1-Dichloroethene	ND	5.0								
1,1-Dichloropropene	ND	5.0								
1,2,3-Trichlorobenzene	ND	5.0								
1,2,3-Trichloropropane	ND	5.0								
1,2,4-Trichlorobenzene	ND	5.0								
1,2,4-Trimethylbenzene	ND	5.0								
1,2-Dibromo-3-chloropropane	ND	5.0								
1,2-Dibromoethane	0.23	5.0								J
1,2-Dichlorobenzene	ND	5.0								
1,2-Dichloroethane	ND	5.0								
1,2-Dichloropropane	ND	5.0								
1,3,5-Trimethylbenzene	ND	5.0								
1,3-Dichlorobenzene	ND	5.0								
1,3-Dichloropropane	ND	5.0								
1,4-Dichlorobenzene	ND	5.0								
2,2-Dichloropropane	ND	5.0								
2-Butanone	ND	50								
2-Chlorotoluene	ND	5.0								
2-Hexanone	ND	5.0								
4-Chlorotoluene	ND	5.0								
4-Methyl-2-pentanone	ND	5.0								
Acetone	ND	50								
Benzene	ND	5.0								
Bromobenzene	ND	5.0								
Bromochloromethane	ND	5.0								
Bromodichloromethane	ND	5.0								
Bromoform	ND	5.0								
Bromomethane	ND	5.0								
Carbon disulfide	ND	5.0								
Carbon tetrachloride	ND	5.0								
Chlorobenzene	ND	5.0								
Chloroethane	ND	5.0								
Chloroform	ND	5.0								
Chloromethane	ND	5.0								
cis-1,2-Dichloroethene	ND	5.0								
cis-1,3-Dichloropropene	ND	5.0								
Dibromochloromethane	ND	5.0								

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**Note:** See Qualifiers Page for a list of Qualifiers and their explanation.

**Client:** Partners Environmental Consulting, Inc.  
**Work Order:** 24060754  
**Project:** Former Leake Oil; 448 E. Taggart St., East Palesti

# QC BATCH REPORT

Batch ID: <b>R231077</b>	Instrument ID <b>VMS2</b>	Method: <b>SW8260B</b>					
Dibromomethane	ND	5.0					
Dichlorodifluoromethane	ND	5.0					
Ethylbenzene	ND	5.0					
Hexachlorobutadiene	ND	5.0					
Isopropylbenzene	ND	5.0					
m,p-Xylene	ND	10					
Methyl tert-butyl ether	ND	5.0					
Methylene chloride	ND	20					
Naphthalene	1.929	5.0				J	
n-Butylbenzene	ND	5.0					
n-Propylbenzene	ND	5.0					
o-Xylene	ND	5.0					
p-Isopropyltoluene	ND	5.0					
sec-Butylbenzene	ND	5.0					
Styrene	ND	5.0					
tert-Butylbenzene	ND	5.0					
Tetrachloroethene	ND	5.0					
Toluene	ND	5.0					
trans-1,2-Dichloroethene	ND	5.0					
trans-1,3-Dichloropropene	ND	5.0					
Trichloroethene	ND	5.0					
Trichlorofluoromethane	ND	5.0					
Vinyl chloride	ND	5.0					
Xylenes, Total	ND	15					
<i>Surr: 4-Bromofluorobenzene</i>	51.09	0	50	0	102	78.9-128	0
<i>Surr: Dibromofluoromethane</i>	53	0	50	0	106	79.1-140	0
<i>Surr: Toluene-d8</i>	51.79	0	50	0	104	84.5-124	0

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**Note:** See Qualifiers Page for a list of Qualifiers and their explanation.

**Client:** Partners Environmental Consulting, Inc.  
**Work Order:** 24060754  
**Project:** Former Leake Oil; 448 E. Taggart St., East Palesti

# QC BATCH REPORT

Batch ID: **R231077**      Instrument ID **VMS2**      Method: **SW8260B**

LCS		Sample ID: <b>LCS-R231077</b>				Units: <b>µg/Kg</b>		Analysis Date: <b>6/25/2024 10:32 AM</b>		
Client ID:		Run ID: <b>VMS2_240625B</b>			SeqNo: <b>3434129</b>		Prep Date:		DF: <b>1</b>	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	40.46	5.0	50	0	80.9	53.6-149	0			
1,1-Dichloroethene	44.19	5.0	50	0	88.4	38.8-176	0			
1,2-Dichloroethane	40.03	5.0	50	0	80.1	54.4-145	0			
1,3-Dichlorobenzene	39.1	5.0	50	0	78.2	58.4-144	0			
1,4-Dichlorobenzene	38.03	5.0	50	0	76.1	55.3-144	0			
Benzene	40.52	5.0	50	0	81	56-148	0			
Carbon tetrachloride	45.28	5.0	50	0	90.6	51.9-151	0			
Chlorobenzene	38.8	5.0	50	0	77.6	55.4-137	0			
Chloroform	40.66	5.0	50	0	81.3	51.1-147	0			
cis-1,2-Dichloroethene	41.08	5.0	50	0	82.2	47.6-149	0			
Ethylbenzene	39.63	5.0	50	0	79.3	55.8-142	0			
m,p-Xylene	80.8	10	100	0	80.8	57.6-141	0			
Styrene	40.53	5.0	50	0	81.1	59.6-143	0			
Tetrachloroethene	31.77	5.0	50	0	63.5	35.6-132	0			
Toluene	38.49	5.0	50	0	77	56-143	0			
Trichloroethene	40.42	5.0	50	0	80.8	56.5-143	0			
<i>Surr: 4-Bromofluorobenzene</i>	<i>50.65</i>	<i>0</i>	<i>50</i>	<i>0</i>	<i>101</i>	<i>78.9-128</i>	<i>0</i>			
<i>Surr: Dibromofluoromethane</i>	<i>51</i>	<i>0</i>	<i>50</i>	<i>0</i>	<i>102</i>	<i>79.1-140</i>	<i>0</i>			
<i>Surr: Toluene-d8</i>	<i>50.6</i>	<i>0</i>	<i>50</i>	<i>0</i>	<i>101</i>	<i>84.5-124</i>	<i>0</i>			

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**Note:** See Qualifiers Page for a list of Qualifiers and their explanation.

**Client:** Partners Environmental Consulting, Inc.  
**Work Order:** 24060754  
**Project:** Former Leake Oil; 448 E. Taggart St., East Palesti

# QC BATCH REPORT

Batch ID: **R231077**      Instrument ID **VMS2**      Method: **SW8260B**

MS		Sample ID: <b>24060454-01AMS</b>				Units: <b>µg/Kg</b>		Analysis Date: <b>6/25/2024 11:05 AM</b>		
Client ID:		Run ID: <b>VMS2_240625B</b>			SeqNo: <b>3434130</b>		Prep Date:		DF: <b>1</b>	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	36.12	5.0	50	0	72.2	66.9-140	0			
1,1-Dichloroethene	38.55	5.0	50	0	77.1	41.4-161	0			
1,2-Dichloroethane	39.54	5.0	50	0	79.1	58.9-137	0			
1,3-Dichlorobenzene	35.62	5.0	50	0	71.2	42.5-150	0			
1,4-Dichlorobenzene	34.65	5.0	50	0	69.3	52.1-137	0			
Benzene	37	5.0	50	0	74	35.8-162	0			
Carbon tetrachloride	39.18	5.0	50	0	78.4	53.2-137	0			
Chlorobenzene	35.95	5.0	50	0	71.9	65.6-137	0			
Chloroform	36.85	5.0	50	0	73.7	63.6-147	0			
cis-1,2-Dichloroethene	37.6	5.0	50	0	75.2	52.9-138	0			
Ethylbenzene	35.52	5.0	50	0	71	57.5-134	0			
m,p-Xylene	72.37	10	100	0	72.4	56.4-135	0			
Styrene	37.18	5.0	50	0	74.4	60.9-135	0			
Tetrachloroethene	28.44	5.0	50	0	56.9	28.3-109	0			
Toluene	35.06	5.0	50	0	70.1	67.7-135	0			
Trichloroethene	36.82	5.0	50	0	73.6	56.5-136	0			
<i>Surr: 4-Bromofluorobenzene</i>	<i>50.06</i>	<i>0</i>	<i>50</i>	<i>0</i>	<i>100</i>	<i>78.9-128</i>	<i>0</i>			
<i>Surr: Dibromofluoromethane</i>	<i>51.23</i>	<i>0</i>	<i>50</i>	<i>0</i>	<i>102</i>	<i>79.1-140</i>	<i>0</i>			
<i>Surr: Toluene-d8</i>	<i>50.39</i>	<i>0</i>	<i>50</i>	<i>0</i>	<i>101</i>	<i>84.5-124</i>	<i>0</i>			

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**Note:** See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Partners Environmental Consulting, Inc.  
 Work Order: 24060754  
 Project: Former Leake Oil; 448 E. Taggert St., East Palesti

# QC BATCH REPORT

Batch ID: **R231077** Instrument ID **VMS2** Method: **SW8260B**

MSD		Sample ID: <b>24060454-01AMSD</b>				Units: <b>µg/Kg</b>		Analysis Date: <b>6/25/2024 11:21 AM</b>		
Client ID:		Run ID: <b>VMS2_240625B</b>			SeqNo: <b>3434131</b>		Prep Date:		DF: <b>1</b>	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	36.44	5.0	50	0	72.9	66.9-140	36.12	0.893	20	
1,1-Dichloroethene	39.2	5.0	50	0	78.4	41.4-161	38.55	1.69	20	
1,2-Dichloroethane	38.89	5.0	50	0	77.8	58.9-137	39.54	1.66	20	
1,3-Dichlorobenzene	32.54	5.0	50	0	65.1	42.5-150	35.62	9.05	20	
1,4-Dichlorobenzene	32.46	5.0	50	0	64.9	52.1-137	34.65	6.52	20	
Benzene	36.91	5.0	50	0	73.8	35.8-162	37	0.265	20	
Carbon tetrachloride	39.69	5.0	50	0	79.4	53.2-137	39.18	1.3	20	
Chlorobenzene	35.09	5.0	50	0	70.2	65.6-137	35.95	2.42	20	
Chloroform	37.66	5.0	50	0	75.3	63.6-147	36.85	2.18	20	
cis-1,2-Dichloroethene	37.66	5.0	50	0	75.3	52.9-138	37.6	0.167	20	
Ethylbenzene	34.6	5.0	50	0	69.2	57.5-134	35.52	2.62	20	
m,p-Xylene	69.86	10	100	0	69.9	56.4-135	72.37	3.53	20	
Styrene	35.88	5.0	50	0	71.8	60.9-135	37.18	3.55	20	
Tetrachloroethene	27.87	5.0	50	0	55.7	28.3-109	28.44	2.01	20	
Toluene	34.83	5.0	50	0	69.7	67.7-135	35.06	0.652	20	
Trichloroethene	36.24	5.0	50	0	72.5	56.5-136	36.82	1.59	20	
Surr: 4-Bromofluorobenzene	50.36	0	50	0	101	78.9-128	50.06	0.595		
Surr: Dibromofluoromethane	51.64	0	50	0	103	79.1-140	51.23	0.803		
Surr: Toluene-d8	50.71	0	50	0	101	84.5-124	50.39	0.639		

The following samples were analyzed in this batch: 24060754-01A 24060754-16A 24060754-17A  
 24060754-18A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

**Client:** Partners Environmental Consulting, Inc.  
**Work Order:** 24060754  
**Project:** Former Leake Oil; 448 E. Taggart St., East Palesti

# QC BATCH REPORT

Batch ID: **R231082**      Instrument ID **VMS5**      Method: **SW8260B**

**MBLK**      Sample ID: **MBLANK-R231082**      Units: **µg/Kg**      Analysis Date: **6/25/2024 11:42 AM**  
 Client ID:      Run ID: **VMS5\_240625A**      SeqNo: **3434220**      Prep Date:      DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1,2-Tetrachloroethane	ND	5.0								
1,1,1-Trichloroethane	ND	5.0								
1,1,2,2-Tetrachloroethane	ND	5.0								
1,1,2-Trichloroethane	ND	5.0								
1,1-Dichloroethane	ND	5.0								
1,1-Dichloroethene	ND	5.0								
1,1-Dichloropropene	ND	5.0								
1,2,3-Trichlorobenzene	ND	5.0								
1,2,3-Trichloropropane	ND	5.0								
1,2,4-Trichlorobenzene	ND	5.0								
1,2,4-Trimethylbenzene	ND	5.0								
1,2-Dibromo-3-chloropropane	ND	5.0								
1,2-Dibromoethane	ND	5.0								
1,2-Dichlorobenzene	ND	5.0								
1,2-Dichloroethane	ND	5.0								
1,2-Dichloropropane	ND	5.0								
1,3,5-Trimethylbenzene	ND	5.0								
1,3-Dichlorobenzene	ND	5.0								
1,3-Dichloropropane	ND	5.0								
1,4-Dichlorobenzene	ND	5.0								
2,2-Dichloropropane	ND	5.0								
2-Butanone	ND	50								
2-Chlorotoluene	ND	5.0								
2-Hexanone	ND	5.0								
4-Chlorotoluene	ND	5.0								
4-Methyl-2-pentanone	ND	5.0								
Acetone	ND	50								
Benzene	ND	5.0								
Bromobenzene	ND	5.0								
Bromochloromethane	ND	5.0								
Bromodichloromethane	ND	5.0								
Bromoform	ND	5.0								
Bromomethane	ND	5.0								
Carbon disulfide	ND	5.0								
Carbon tetrachloride	ND	5.0								
Chlorobenzene	ND	5.0								
Chloroethane	ND	5.0								
Chloroform	ND	5.0								
Chloromethane	ND	5.0								
cis-1,2-Dichloroethene	ND	5.0								
cis-1,3-Dichloropropene	ND	5.0								
Dibromochloromethane	ND	5.0								

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**Note:** See Qualifiers Page for a list of Qualifiers and their explanation.



**Client:** Partners Environmental Consulting, Inc.  
**Work Order:** 24060754  
**Project:** Former Leake Oil; 448 E. Taggart St., East Palesti

## QC BATCH REPORT

Batch ID: <b>R231082</b>	Instrument ID <b>VMS5</b>	Method: <b>SW8260B</b>					
Dibromomethane	ND	5.0					
Dichlorodifluoromethane	ND	5.0					
Ethylbenzene	ND	5.0					
Hexachlorobutadiene	ND	5.0					
Isopropylbenzene	ND	5.0					
m,p-Xylene	ND	10					
Methyl tert-butyl ether	ND	5.0					
Methylene chloride	ND	20					
Naphthalene	ND	5.0					
n-Butylbenzene	ND	5.0					
n-Propylbenzene	ND	5.0					
o-Xylene	ND	5.0					
p-Isopropyltoluene	ND	5.0					
sec-Butylbenzene	ND	5.0					
Styrene	ND	5.0					
tert-Butylbenzene	ND	5.0					
Tetrachloroethene	ND	5.0					
Toluene	ND	5.0					
trans-1,2-Dichloroethene	ND	5.0					
trans-1,3-Dichloropropene	ND	5.0					
Trichloroethene	ND	5.0					
Trichlorofluoromethane	ND	5.0					
Vinyl chloride	ND	5.0					
Xylenes, Total	ND	15					
<i>Surr: 4-Bromofluorobenzene</i>	51.62	0	50	0	103	78.9-128	0
<i>Surr: Dibromofluoromethane</i>	51.6	0	50	0	103	79.1-140	0
<i>Surr: Toluene-d8</i>	50.13	0	50	0	100	84.5-124	0

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**Note:** See Qualifiers Page for a list of Qualifiers and their explanation.

**Client:** Partners Environmental Consulting, Inc.  
**Work Order:** 24060754  
**Project:** Former Leake Oil; 448 E. Taggert St., East Palesti

# QC BATCH REPORT

Batch ID: **R231082**      Instrument ID **VMS5**      Method: **SW8260B**

LCS		Sample ID: <b>LCS-R231082</b>				Units: <b>µg/Kg</b>		Analysis Date: <b>6/25/2024 10:40 AM</b>		
Client ID:		Run ID: <b>VMS5_240625A</b>		SeqNo: <b>3434217</b>		Prep Date:		DF: <b>1</b>		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	41.52	5.0	50	0	83	53.6-149	0			
1,1-Dichloroethene	46.75	5.0	50	0	93.5	38.8-176	0			
1,2-Dichloroethane	39.32	5.0	50	0	78.6	54.4-145	0			
1,3-Dichlorobenzene	43.45	5.0	50	0	86.9	58.4-144	0			
1,4-Dichlorobenzene	42.8	5.0	50	0	85.6	55.3-144	0			
Benzene	41.64	5.0	50	0	83.3	56-148	0			
Carbon tetrachloride	44.11	5.0	50	0	88.2	51.9-151	0			
Chlorobenzene	41.52	5.0	50	0	83	55.4-137	0			
Chloroform	41.76	5.0	50	0	83.5	51.1-147	0			
cis-1,2-Dichloroethene	41.91	5.0	50	0	83.8	47.6-149	0			
Ethylbenzene	42.26	5.0	50	0	84.5	55.8-142	0			
m,p-Xylene	86.45	10	100	0	86.4	57.6-141	0			
Styrene	42.76	5.0	50	0	85.5	59.6-143	0			
Tetrachloroethene	28.24	5.0	50	0	56.5	35.6-132	0			
Toluene	41.24	5.0	50	0	82.5	56-143	0			
Trichloroethene	41.03	5.0	50	0	82.1	56.5-143	0			
<i>Surr: 4-Bromofluorobenzene</i>	<i>50.64</i>	<i>0</i>	<i>50</i>	<i>0</i>	<i>101</i>	<i>78.9-128</i>	<i>0</i>			
<i>Surr: Dibromofluoromethane</i>	<i>49.93</i>	<i>0</i>	<i>50</i>	<i>0</i>	<i>99.9</i>	<i>79.1-140</i>	<i>0</i>			
<i>Surr: Toluene-d8</i>	<i>49.56</i>	<i>0</i>	<i>50</i>	<i>0</i>	<i>99.1</i>	<i>84.5-124</i>	<i>0</i>			

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**Note:** See Qualifiers Page for a list of Qualifiers and their explanation.

**Client:** Partners Environmental Consulting, Inc.  
**Work Order:** 24060754  
**Project:** Former Leake Oil; 448 E. Taggart St., East Palesti

# QC BATCH REPORT

Batch ID: **R231082**      Instrument ID **VMS5**      Method: **SW8260B**

MS		Sample ID: <b>24060741-10AMS</b>				Units: <b>µg/Kg</b>		Analysis Date: <b>6/25/2024 11:09 AM</b>		
Client ID:		Run ID: <b>VMS5_240625A</b>		SeqNo: <b>3434218</b>		Prep Date:		DF: <b>1</b>		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	45.54	5.0	50	0	91.1	66.9-140	0			
1,1-Dichloroethene	51.1	5.0	50	0	102	41.4-161	0			
1,2-Dichloroethane	43.15	5.0	50	0	86.3	58.9-137	0			
1,3-Dichlorobenzene	43.13	5.0	50	0	86.3	42.5-150	0			
1,4-Dichlorobenzene	42.6	5.0	50	0	85.2	52.1-137	0			
Benzene	45.03	5.0	50	0	90.1	35.8-162	0			
Carbon tetrachloride	47.88	5.0	50	0	95.8	53.2-137	0			
Chlorobenzene	42.59	5.0	50	0	85.2	65.6-137	0			
Chloroform	44.2	5.0	50	0	88.4	63.6-147	0			
cis-1,2-Dichloroethene	45.16	5.0	50	0	90.3	52.9-138	0			
Ethylbenzene	44.14	5.0	50	0	88.3	57.5-134	0			
m,p-Xylene	90.43	10	100	0	90.4	56.4-135	0			
Styrene	43.85	5.0	50	0	87.7	60.9-135	0			
Tetrachloroethene	28.93	5.0	50	0	57.9	28.3-109	0			
Toluene	44.52	5.0	50	0	89	67.7-135	0			
Trichloroethene	44.02	5.0	50	0	88	56.5-136	0			
<i>Surr: 4-Bromofluorobenzene</i>	<i>50.63</i>	<i>0</i>	<i>50</i>	<i>0</i>	<i>101</i>	<i>78.9-128</i>	<i>0</i>			
<i>Surr: Dibromofluoromethane</i>	<i>50.78</i>	<i>0</i>	<i>50</i>	<i>0</i>	<i>102</i>	<i>79.1-140</i>	<i>0</i>			
<i>Surr: Toluene-d8</i>	<i>50.32</i>	<i>0</i>	<i>50</i>	<i>0</i>	<i>101</i>	<i>84.5-124</i>	<i>0</i>			

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**Note:** See Qualifiers Page for a list of Qualifiers and their explanation.

**Client:** Partners Environmental Consulting, Inc.  
**Work Order:** 24060754  
**Project:** Former Leake Oil; 448 E. Taggart St., East Palesti

# QC BATCH REPORT

Batch ID: **R231082**      Instrument ID **VMS5**      Method: **SW8260B**

MSD		Sample ID: <b>24060741-10AMSD</b>				Units: <b>µg/Kg</b>		Analysis Date: <b>6/25/2024 11:26 AM</b>		
Client ID:		Run ID: <b>VMS5_240625A</b>		SeqNo: <b>3434219</b>		Prep Date:		DF: <b>1</b>		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	38.8	5.0	50	0	77.6	66.9-140	45.54	16	20	
1,1-Dichloroethene	42.58	5.0	50	0	85.2	41.4-161	51.1	18.2	20	
1,2-Dichloroethane	37.3	5.0	50	0	74.6	58.9-137	43.15	14.6	20	
1,3-Dichlorobenzene	36.15	5.0	50	0	72.3	42.5-150	43.13	17.6	20	
1,4-Dichlorobenzene	35.2	5.0	50	0	70.4	52.1-137	42.6	19	20	
Benzene	38.33	5.0	50	0	76.7	35.8-162	45.03	16.1	20	
Carbon tetrachloride	40.1	5.0	50	0	80.2	53.2-137	47.88	17.7	20	
Chlorobenzene	36.2	5.0	50	0	72.4	65.6-137	42.59	16.2	20	
Chloroform	37.94	5.0	50	0	75.9	63.6-147	44.2	15.3	20	
cis-1,2-Dichloroethene	38.41	5.0	50	0	76.8	52.9-138	45.16	16.1	20	
Ethylbenzene	37.08	5.0	50	0	74.2	57.5-134	44.14	17.4	20	
m,p-Xylene	76.38	10	100	0	76.4	56.4-135	90.43	16.8	20	
Styrene	37.32	5.0	50	0	74.6	60.9-135	43.85	16.1	20	
Tetrachloroethene	24.54	5.0	50	0	49.1	28.3-109	28.93	16.4	20	
Toluene	37.7	5.0	50	0	75.4	67.7-135	44.52	16.6	20	
Trichloroethene	36.81	5.0	50	0	73.6	56.5-136	44.02	17.8	20	
<i>Surr: 4-Bromofluorobenzene</i>	<i>51.47</i>	<i>0</i>	<i>50</i>	<i>0</i>	<i>103</i>	<i>78.9-128</i>	<i>50.63</i>	<i>1.64</i>		
<i>Surr: Dibromofluoromethane</i>	<i>50.63</i>	<i>0</i>	<i>50</i>	<i>0</i>	<i>101</i>	<i>79.1-140</i>	<i>50.78</i>	<i>0.294</i>		
<i>Surr: Toluene-d8</i>	<i>50.23</i>	<i>0</i>	<i>50</i>	<i>0</i>	<i>100</i>	<i>84.5-124</i>	<i>50.32</i>	<i>0.193</i>		

The following samples were analyzed in this batch:

- 24060754-04A
- 24060754-05A
- 24060754-06A
- 24060754-07A
- 24060754-09A
- 24060754-10A
- 24060754-11A
- 24060754-12A
- 24060754-13A
- 24060754-14A
- 24060754-15A

**Note:** See Qualifiers Page for a list of Qualifiers and their explanation.

**Client:** Partners Environmental Consulting, Inc.  
**Work Order:** 24060754  
**Project:** Former Leake Oil; 448 E. Taggart St., East Palesti

# QC BATCH REPORT

Batch ID: **R231147**      Instrument ID **VMS6**      Method: **SW8260B**

**MBLK**      Sample ID: **MBLK-R231147**      Units: **µg/L**      Analysis Date: **6/26/2024 12:10 PM**  
 Client ID:      Run ID: **VMS6\_240626A**      SeqNo: **3435106**      Prep Date:      DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1,2-Tetrachloroethane	ND	5.0								
1,1,1-Trichloroethane	ND	5.0								
1,1,2,2-Tetrachloroethane	ND	5.0								
1,1,2-Trichloroethane	ND	5.0								
1,1-Dichloroethane	ND	5.0								
1,1-Dichloroethene	ND	5.0								
1,1-Dichloropropene	ND	5.0								
1,2,3-Trichlorobenzene	ND	5.0								
1,2,3-Trichloropropane	ND	5.0								
1,2,4-Trichlorobenzene	ND	5.0								
1,2,4-Trimethylbenzene	ND	5.0								
1,2-Dibromo-3-chloropropane	0.079	0.20								J
1,2-Dibromoethane	ND	0.050								
1,2-Dichlorobenzene	ND	5.0								
1,2-Dichloroethane	ND	5.0								
1,2-Dichloropropane	ND	5.0								
1,3,5-Trimethylbenzene	ND	5.0								
1,3-Dichlorobenzene	ND	5.0								
1,3-Dichloropropane	ND	5.0								
1,4-Dichlorobenzene	ND	5.0								
2,2-Dichloropropane	ND	5.0								
2-Butanone	ND	50								
2-Chlorotoluene	ND	5.0								
2-Hexanone	ND	5.0								
4-Chlorotoluene	ND	5.0								
4-Methyl-2-pentanone	ND	5.0								
Acetone	ND	50								
Benzene	ND	5.0								
Bromobenzene	ND	5.0								
Bromochloromethane	ND	5.0								
Bromodichloromethane	ND	5.0								
Bromoform	ND	5.0								
Bromomethane	ND	5.0								
Carbon disulfide	ND	5.0								
Carbon tetrachloride	ND	5.0								
Chlorobenzene	ND	5.0								
Chloroethane	ND	5.0								
Chloroform	ND	5.0								
Chloromethane	ND	5.0								
cis-1,2-Dichloroethene	ND	5.0								
cis-1,3-Dichloropropene	ND	5.0								
Dibromochloromethane	ND	5.0								

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**Note:** See Qualifiers Page for a list of Qualifiers and their explanation.

**Client:** Partners Environmental Consulting, Inc.  
**Work Order:** 24060754  
**Project:** Former Leake Oil; 448 E. Taggart St., East Palesti

# QC BATCH REPORT

Batch ID: <b>R231147</b>	Instrument ID <b>VMS6</b>	Method: <b>SW8260B</b>						
Dibromomethane	ND	5.0						
Dichlorodifluoromethane	ND	5.0						
Ethylbenzene	ND	5.0						
Hexachlorobutadiene	ND	5.0						
Isopropylbenzene	ND	5.0						
m,p-Xylene	ND	10						
Methyl tert-butyl ether	ND	5.0						
Methylene chloride	ND	5.0						
Naphthalene	ND	5.0						
n-Butylbenzene	ND	5.0						
n-Propylbenzene	0.41	5.0						J
o-Xylene	ND	5.0						
p-Isopropyltoluene	ND	5.0						
sec-Butylbenzene	ND	5.0						
Styrene	ND	5.0						
tert-Butylbenzene	ND	5.0						
Tetrachloroethene	ND	5.0						
Toluene	ND	5.0						
trans-1,2-Dichloroethene	ND	5.0						
trans-1,3-Dichloropropene	ND	5.0						
Trichloroethene	ND	5.0						
Trichlorofluoromethane	ND	5.0						
Vinyl chloride	ND	2.0						
Xylenes, Total	ND	15						
<i>Surr: 4-Bromofluorobenzene</i>	52.55	0	50	0	105	61-131	0	
<i>Surr: Dibromofluoromethane</i>	50.01	0	50	0	100	72-137	0	
<i>Surr: Toluene-d8</i>	49.49	0	50	0	99	93.7-124	0	

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**Note:** See Qualifiers Page for a list of Qualifiers and their explanation.

**Client:** Partners Environmental Consulting, Inc.  
**Work Order:** 24060754  
**Project:** Former Leake Oil; 448 E. Taggert St., East Palesti

# QC BATCH REPORT

Batch ID: **R231147**      Instrument ID **VMS6**      Method: **SW8260B**

LCS		Sample ID: <b>LCS-R231147</b>				Units: <b>µg/L</b>		Analysis Date: <b>6/26/2024 10:09 AM</b>		
Client ID:		Run ID: <b>VMS6_240626A</b>		SeqNo: <b>3435103</b>		Prep Date:		DF: <b>1</b>		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	59.21	5.0	50	0	118	48.4-140	0			
1,1-Dichloroethane	53.84	5.0	50	0	108	45.5-150	0			
1,2-Dichloroethane	52.6	5.0	50	0	105	46.5-141	0			
1,3-Dichlorobenzene	54.05	5.0	50	0	108	42.5-133	0			
1,4-Dichlorobenzene	53.09	5.0	50	0	106	38.9-136	0			
Benzene	43.5	5.0	50	0	87	50.7-134	0			
Carbon tetrachloride	55.08	5.0	50	0	110	45.5-143	0			
Chlorobenzene	47.18	5.0	50	0	94.4	45-133	0			
Chloroform	54.48	5.0	50	0	109	52.4-136	0			
cis-1,2-Dichloroethene	44.99	5.0	50	0	90	49.7-138	0			
Ethylbenzene	47.3	5.0	50	0	94.6	37.8-145	0			
m,p-Xylene	108.3	10	100	0	108	25.1-163	0			
Methyl tert-butyl ether	44.02	5.0	50	0	88	26.7-174	0			
Styrene	51.88	5.0	50	0	104	26.3-172	0			
Tetrachloroethene	37.66	5.0	50	0	75.3	37.3-139	0			
Toluene	51.52	5.0	50	0	103	44-135	0			
Trichloroethene	48.7	5.0	50	0	97.4	45.9-140	0			
Xylenes, Total	163.1	15	150	0	109	47.3-132	0			
<i>Surr: 4-Bromofluorobenzene</i>	50.12	0	50	0	100	61-131	0			
<i>Surr: Dibromofluoromethane</i>	48.8	0	50	0	97.6	72-137	0			
<i>Surr: Toluene-d8</i>	47.98	0	50	0	96	93.7-124	0			

**Note:** See Qualifiers Page for a list of Qualifiers and their explanation.



**Client:** Partners Environmental Consulting, Inc.  
**Work Order:** 24060754  
**Project:** Former Leake Oil; 448 E. Taggart St., East Palesti

# QC BATCH REPORT

Batch ID: **R231147**      Instrument ID **VMS6**      Method: **SW8260B**

MS		Sample ID: <b>24060793-05A MS</b>				Units: <b>µg/L</b>		Analysis Date: <b>6/26/2024 11:04 AM</b>		
Client ID:		Run ID: <b>VMS6_240626A</b>		SeqNo: <b>3435104</b>		Prep Date:		DF: <b>1</b>		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	54.01	5.0	50	0	108	40.4-134	0			
1,1-Dichloroethene	52.49	5.0	50	0	105	45.3-151	0			
1,2-Dichloroethane	45.14	5.0	50	0	90.3	37-139	0			
1,3-Dichlorobenzene	43.13	5.0	50	0	86.3	42.9-121	0			
1,4-Dichlorobenzene	42.62	5.0	50	0	85.2	53.4-129	0			
Benzene	36.49	5.0	50	0	73	37.4-144	0			
Carbon tetrachloride	51.35	5.0	50	0	103	33.8-150	0			
Chlorobenzene	40.99	5.0	50	0	82	52.4-132	0			
Chloroform	47.3	5.0	50	0	94.6	45.5-135	0			
cis-1,2-Dichloroethene	126	5.0	50	119.6	12.6	35.2-150	0			S
Ethylbenzene	41.44	5.0	50	0	82.9	46.5-146	0			
m,p-Xylene	92.34	10	100	0	92.3	38.2-167	0			
Styrene	43.35	5.0	50	0	86.7	20.9-184	0			
Tetrachloroethene	33.17	5.0	50	0	66.3	55.2-134	0			
Toluene	44.03	5.0	50	0	88.1	32.7-140	0			
Trichloroethene	48.83	5.0	50	0	97.7	29.1-153	0			
Xylenes, Total	136.7	15	150	0	91.1	43.6-148	0			
<i>Surr: 4-Bromofluorobenzene</i>	49.8	0	50	0	99.6	61-131	0			
<i>Surr: Dibromofluoromethane</i>	49.14	0	50	0	98.3	72-137	0			
<i>Surr: Toluene-d8</i>	50.66	0	50	0	101	93.7-124	0			

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**Note:** See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Partners Environmental Consulting, Inc.  
 Work Order: 24060754  
 Project: Former Leake Oil; 448 E. Taggart St., East Palesti

# QC BATCH REPORT

Batch ID: **R231147** Instrument ID **VMS6** Method: **SW8260B**

MSD		Sample ID: 24060793-05A MSD				Units: µg/L		Analysis Date: 6/26/2024 11:22 AM		
Client ID:		Run ID: VMS6_240626A			SeqNo: 3435105		Prep Date:		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	53.34	5.0	50	0	107	40.4-134	54.01	1.24	20	
1,1-Dichloroethene	49.85	5.0	50	0	99.7	45.3-151	52.49	5.16	20	
1,2-Dichloroethane	51.52	5.0	50	0	103	37-139	45.14	13.2	20	
1,3-Dichlorobenzene	51.33	5.0	50	0	103	42.9-121	43.13	17.4	20	
1,4-Dichlorobenzene	49.1	5.0	50	0	98.2	53.4-129	42.62	14.1	20	
Benzene	40.58	5.0	50	0	81.2	37.4-144	36.49	10.6	20	
Carbon tetrachloride	48.54	5.0	50	0	97.1	33.8-150	51.35	5.64	20	
Chlorobenzene	41.15	5.0	50	0	82.3	52.4-132	40.99	0.394	20	
Chloroform	52.21	5.0	50	0	104	45.5-135	47.3	9.86	20	
cis-1,2-Dichloroethene	141.8	5.0	50	119.6	44.2	35.2-150	126	11.8	20	
Ethylbenzene	41.48	5.0	50	0	83	46.5-146	41.44	0.0868	20	
m,p-Xylene	98.94	10	100	0	98.9	38.2-167	92.34	6.9	20	
Styrene	46.47	5.0	50	0	92.9	20.9-184	43.35	6.93	20	
Tetrachloroethene	31.56	5.0	50	0	63.1	55.2-134	33.17	4.99	20	
Toluene	48.67	5.0	50	0	97.3	32.7-140	44.03	10	20	
Trichloroethene	69.4	5.0	50	0	139	29.1-153	48.83	34.8	20	R
Xylenes, Total	148.2	15	150	0	98.8	43.6-148	136.7	8.05	20	
Surr: 4-Bromofluorobenzene	49.56	0	50	0	99.1	61-131	49.8	0.497		
Surr: Dibromofluoromethane	49.3	0	50	0	98.6	72-137	49.14	0.321		
Surr: Toluene-d8	51.8	0	50	0	104	93.7-124	50.66	2.23		

The following samples were analyzed in this batch: 24060754-27A 24060754-33A 24060754-34A  
 24060754-35A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

**Client:** Partners Environmental Consulting, Inc.  
**Work Order:** 24060754  
**Project:** Former Leake Oil; 448 E. Taggart St., East Palesti

# QC BATCH REPORT

Batch ID: **R231260**      Instrument ID **VMS2**      Method: **SW8260B**

**MBLK**      Sample ID: **MBLANK-R231260**      Units: **µg/Kg**      Analysis Date: **6/28/2024 07:41 PM**  
 Client ID:      Run ID: **VMS2\_240628C**      SeqNo: **3437899**      Prep Date:      DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1,2-Tetrachloroethane	ND	5.0								
1,1,1-Trichloroethane	ND	5.0								
1,1,2,2-Tetrachloroethane	ND	5.0								
1,1,2-Trichloroethane	ND	5.0								
1,1-Dichloroethane	ND	5.0								
1,1-Dichloroethene	ND	5.0								
1,1-Dichloropropene	ND	5.0								
1,2,3-Trichlorobenzene	ND	5.0								
1,2,3-Trichloropropane	ND	5.0								
1,2,4-Trichlorobenzene	ND	5.0								
1,2,4-Trimethylbenzene	ND	5.0								
1,2-Dibromo-3-chloropropane	ND	5.0								
1,2-Dibromoethane	ND	5.0								
1,2-Dichlorobenzene	ND	5.0								
1,2-Dichloroethane	ND	5.0								
1,2-Dichloropropane	ND	5.0								
1,3,5-Trimethylbenzene	ND	5.0								
1,3-Dichlorobenzene	ND	5.0								
1,3-Dichloropropane	ND	5.0								
1,4-Dichlorobenzene	ND	5.0								
2,2-Dichloropropane	ND	5.0								
2-Butanone	ND	50								
2-Chlorotoluene	ND	5.0								
2-Hexanone	ND	5.0								
4-Chlorotoluene	ND	5.0								
4-Methyl-2-pentanone	ND	5.0								
Acetone	ND	50								
Benzene	ND	5.0								
Bromobenzene	ND	5.0								
Bromochloromethane	ND	5.0								
Bromodichloromethane	ND	5.0								
Bromoform	ND	5.0								
Bromomethane	ND	5.0								
Carbon disulfide	ND	5.0								
Carbon tetrachloride	ND	5.0								
Chlorobenzene	ND	5.0								
Chloroethane	ND	5.0								
Chloroform	ND	5.0								
Chloromethane	ND	5.0								
cis-1,2-Dichloroethene	ND	5.0								
cis-1,3-Dichloropropene	ND	5.0								
Dibromochloromethane	ND	5.0								

DRAFT

**Note:** See Qualifiers Page for a list of Qualifiers and their explanation.

**Client:** Partners Environmental Consulting, Inc.  
**Work Order:** 24060754  
**Project:** Former Leake Oil; 448 E. Taggart St., East Palesti

# QC BATCH REPORT

Batch ID: <b>R231260</b>	Instrument ID <b>VMS2</b>	Method: <b>SW8260B</b>					
Dibromomethane	ND	5.0					
Dichlorodifluoromethane	ND	5.0					
Ethylbenzene	ND	5.0					
Hexachlorobutadiene	ND	5.0					
Isopropylbenzene	ND	5.0					
m,p-Xylene	ND	10					
Methyl tert-butyl ether	ND	5.0					
Methylene chloride	ND	20					
Naphthalene	1.498	5.0				J	
n-Butylbenzene	ND	5.0					
n-Propylbenzene	ND	5.0					
o-Xylene	ND	5.0					
p-Isopropyltoluene	ND	5.0					
sec-Butylbenzene	ND	5.0					
Styrene	ND	5.0					
tert-Butylbenzene	ND	5.0					
Tetrachloroethene	ND	5.0					
Toluene	ND	5.0					
trans-1,2-Dichloroethene	ND	5.0					
trans-1,3-Dichloropropene	ND	5.0					
Trichloroethene	ND	5.0					
Trichlorofluoromethane	ND	5.0					
Vinyl chloride	ND	5.0					
Xylenes, Total	ND	15					
<i>Surr: 4-Bromofluorobenzene</i>	<i>50.28</i>	<i>0</i>	<i>50</i>	<i>0</i>	<i>101</i>	<i>78.9-128</i>	<i>0</i>
<i>Surr: Dibromofluoromethane</i>	<i>57.59</i>	<i>0</i>	<i>50</i>	<i>0</i>	<i>115</i>	<i>79.1-140</i>	<i>0</i>
<i>Surr: Toluene-d8</i>	<i>54.52</i>	<i>0</i>	<i>50</i>	<i>0</i>	<i>109</i>	<i>84.5-124</i>	<i>0</i>

DRAFT

**Note:** See Qualifiers Page for a list of Qualifiers and their explanation.

**Client:** Partners Environmental Consulting, Inc.  
**Work Order:** 24060754  
**Project:** Former Leake Oil; 448 E. Taggart St., East Palesti

# QC BATCH REPORT

Batch ID: **R231260**      Instrument ID **VMS2**      Method: **SW8260B**

LCS		Sample ID: <b>LCS2-R231260</b>			Units: <b>µg/Kg</b>		Analysis Date: <b>6/28/2024 06:35 PM</b>			
Client ID:		Run ID: <b>VMS2_240628C</b>			SeqNo: <b>3437896</b>		Prep Date:		DF: <b>1</b>	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	42.49	5.0	50	0	85	53.6-149	0			
1,1-Dichloroethene	46.9	5.0	50	0	93.8	38.8-176	0			
1,2-Dichloroethane	43.03	5.0	50	0	86.1	54.4-145	0			
1,3-Dichlorobenzene	40.57	5.0	50	0	81.1	58.4-144	0			
1,4-Dichlorobenzene	39.31	5.0	50	0	78.6	55.3-144	0			
Benzene	45.02	5.0	50	0	90	56-148	0			
Carbon tetrachloride	46.76	5.0	50	0	93.5	51.9-151	0			
Chlorobenzene	42.28	5.0	50	0	84.6	55.4-137	0			
Chloroform	45.13	5.0	50	0	90.3	51.1-147	0			
cis-1,2-Dichloroethene	45.12	5.0	50	0	90.2	47.6-149	0			
Ethylbenzene	42.44	5.0	50	0	84.9	55.8-142	0			
m,p-Xylene	85.29	10	100	0	85.3	57.6-141	0			
Styrene	43.47	5.0	50	0	86.9	59.6-143	0			
Tetrachloroethene	34.31	5.0	50	0	68.6	35.6-132	0			
Toluene	41.97	5.0	50	0	83.9	56-143	0			
Trichloroethene	45.12	5.0	50	0	90.2	56.5-143	0			
<i>Surr: 4-Bromofluorobenzene</i>	<i>50.75</i>	<i>0</i>	<i>50</i>	<i>0</i>	<i>101</i>	<i>78.9-128</i>	<i>0</i>			
<i>Surr: Dibromofluoromethane</i>	<i>51.68</i>	<i>0</i>	<i>50</i>	<i>0</i>	<i>103</i>	<i>79.1-140</i>	<i>0</i>			
<i>Surr: Toluene-d8</i>	<i>50</i>	<i>0</i>	<i>50</i>	<i>0</i>	<i>100</i>	<i>84.5-124</i>	<i>0</i>			

DRAFT

**Note:** See Qualifiers Page for a list of Qualifiers and their explanation.

**Client:** Partners Environmental Consulting, Inc.  
**Work Order:** 24060754  
**Project:** Former Leake Oil; 448 E. Taggart St., East Palesti

# QC BATCH REPORT

Batch ID: **R231260**      Instrument ID **VMS2**      Method: **SW8260B**

MS		Sample ID: <b>24060989-03AMS</b>				Units: <b>µg/Kg</b>		Analysis Date: <b>6/28/2024 06:51 PM</b>		
Client ID:		Run ID: <b>VMS2_240628C</b>			SeqNo: <b>3437897</b>		Prep Date:		DF: <b>1</b>	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	35.98	5.0	50	0	72	66.9-140	0			
1,1-Dichloroethene	39.48	5.0	50	0	79	41.4-161	0			
1,2-Dichloroethane	36.6	5.0	50	0	73.2	58.9-137	0			
1,3-Dichlorobenzene	33.23	5.0	50	0	66.5	42.5-150	0			
1,4-Dichlorobenzene	32.65	5.0	50	0	65.3	52.1-137	0			
Benzene	37.6	5.0	50	0	75.2	35.8-162	0			
Carbon tetrachloride	39.8	5.0	50	0	79.6	53.2-137	0			
Chlorobenzene	35.38	5.0	50	0	70.8	65.6-137	0			
Chloroform	38.26	5.0	50	0	76.5	63.6-147	0			
cis-1,2-Dichloroethene	38.05	5.0	50	0	76.1	52.9-138	0			
Ethylbenzene	35.23	5.0	50	0	70.5	57.5-134	0			
m,p-Xylene	70.79	10	100	0	70.8	56.4-135	0			
Styrene	35.97	5.0	50	0	71.9	60.9-135	0			
Tetrachloroethene	28.24	5.0	50	0	56.5	28.3-109	0			
Toluene	34.91	5.0	50	0	69.8	67.7-135	0			
Trichloroethene	36.91	5.0	50	0	73.8	56.5-136	0			
<i>Surr: 4-Bromofluorobenzene</i>	<i>50.86</i>	<i>0</i>	<i>50</i>	<i>0</i>	<i>102</i>	<i>78.9-128</i>	<i>0</i>			
<i>Surr: Dibromofluoromethane</i>	<i>52.7</i>	<i>0</i>	<i>50</i>	<i>0</i>	<i>105</i>	<i>79.1-140</i>	<i>0</i>			
<i>Surr: Toluene-d8</i>	<i>50.6</i>	<i>0</i>	<i>50</i>	<i>0</i>	<i>101</i>	<i>84.5-124</i>	<i>0</i>			

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**Note:** See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Partners Environmental Consulting, Inc.  
 Work Order: 24060754  
 Project: Former Leake Oil; 448 E. Taggart St., East Palesti

# QC BATCH REPORT

Batch ID: **R231260** Instrument ID **VMS2** Method: **SW8260B**

MSD		Sample ID: <b>24060989-03AMSD</b>				Units: <b>µg/Kg</b>		Analysis Date: <b>6/28/2024 07:08 PM</b>		
Client ID:		Run ID: <b>VMS2_240628C</b>			SeqNo: <b>3437898</b>		Prep Date:		DF: <b>1</b>	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	36.57	5.0	50	0	73.1	66.9-140	35.98	1.62	20	
1,1-Dichloroethene	40.25	5.0	50	0	80.5	41.4-161	39.48	1.91	20	
1,2-Dichloroethane	36.46	5.0	50	0	72.9	58.9-137	36.6	0.381	20	
1,3-Dichlorobenzene	30.65	5.0	50	0	61.3	42.5-150	33.23	8.07	20	
1,4-Dichlorobenzene	29.8	5.0	50	0	59.6	52.1-137	32.65	9.1	20	
Benzene	37.36	5.0	50	0	74.7	35.8-162	37.6	0.614	20	
Carbon tetrachloride	40.02	5.0	50	0	80	53.2-137	39.8	0.559	20	
Chlorobenzene	33.96	5.0	50	0	67.9	65.6-137	35.38	4.1	20	
Chloroform	37.73	5.0	50	0	75.5	63.6-147	38.26	1.4	20	
cis-1,2-Dichloroethene	37.65	5.0	50	0	75.3	52.9-138	38.05	1.04	20	
Ethylbenzene	33.78	5.0	50	0	67.6	57.5-134	35.23	4.18	20	
m,p-Xylene	68.75	10	100	0	68.8	56.4-135	70.79	2.92	20	
Styrene	34.2	5.0	50	0	68.4	60.9-135	35.97	5.05	20	
Tetrachloroethene	26.44	5.0	50	0	52.9	28.3-109	28.24	6.59	20	
Toluene	34.56	5.0	50	0	69.1	67.7-135	34.91	0.99	20	
Trichloroethene	37.11	5.0	50	0	74.2	56.5-136	36.91	0.551	20	
Surr: 4-Bromofluorobenzene	50.71	0	50	0	101	78.9-128	50.86	0.286		
Surr: Dibromofluoromethane	53.71	0	50	0	107	79.1-140	52.7	1.89		
Surr: Toluene-d8	51.34	0	50	0	103	84.5-124	50.6	1.45		

The following samples were analyzed in this batch: 24060754-15A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.



**Client:** Partners Environmental Consulting, Inc.  
**Project:** Former Leake Oil; 448 E. Taggart St., East Palesti  
**WorkOrder:** 24060754

**QUALIFIERS,  
ACRONYMS, UNITS**

<u>Qualifier</u>	<u>Description</u>
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte detected below quantitation limit
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL

<u>Acronym</u>	<u>Description</u>
DUP	Method Duplicate
E	EPA Method
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
MQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitaion Limit
SDL	Sample Detection Limit
SW	SW-846 Method

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<u>Units Reported</u>	<u>Description</u>
% of sample	
µg/L	
mg/Kg-dry	

Sample Receipt Checklist

Client Name: **PARTNERS-SOLON**

Date/Time Received: **20-Jun-24 09:45**

Work Order: **24060754**

Received by: **AB1**

Checklist completed by **Alec Bolender**

20-Jun-24  
Date

Reviewed by: **Rob Nieman**

25-Jun-24  
Date

eSignature

eSignature

Matrices: soil; water

Carrier name: FedEx

Shipping container/cooler in good condition? Yes  No  Not Present

Custody seals intact on shipping container/cooler? Yes  No  Not Present

Custody seals intact on sample bottles? Yes  No  Not Present

Chain of custody present? Yes  No

Chain of custody signed when relinquished and received? Yes  No

Chain of custody agrees with sample labels? Yes  No

Samples in proper container/bottle? Yes  No

Sample containers intact? Yes  No

Sufficient sample volume for indicated test? Yes  No

All samples received within holding time? Yes  No

Container/Temp Blank temperature in compliance? Yes  No

Sample(s) received on ice? Yes  No

Temperature(s)/Thermometer(s): 2.6 120489

Cooler(s)/Kit(s):

Date/Time sample(s) sent to storage:

Water - VOA vials have zero headspace? Yes  No  No VOA vials submitted

Water - pH acceptable upon receipt? Yes  No  N/A

pH adjusted? Yes  No  N/A

pH adjusted by: -

Login Notes:

Client Contacted:

Date Contacted:

Person Contacted:

Contacted By:

Regarding:

Comments:

CorrectiveAction:



09-Jul-2024

Doug Darrah  
Partners Environmental Consulting, Inc.  
31100 Solon Rd.  
Suite G  
Solon, OH 44139

Re: **Former Leake Oil; 448 E Taggart St. East Palestine OH; 229** Work Order: **24060880**

Dear Doug,

ALS Environmental received 5 samples on 22-Jun-2024 10:15 AM for the analyses presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested.

QC sample results for this data met laboratory specifications. Any exceptions are noted in the Case Narrative, or noted with qualifiers in the report or QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained from ALS Laboratory Group. Samples will be disposed in 30 days unless storage arrangements are made.

The total number of pages in this report is 36.

If you have any questions regarding this report, please feel free to contact me.

Sincerely,

**Rob Nieman**

Electronically approved by: Danielle Strasinger

Rob Nieman  
Project Manager

## Report of Laboratory Analysis

ADDRESS 4388 Glendale Milford Rd Cincinnati, OH 45242- | PHONE (513) 733-5336 | FAX (513) 733-5347

ALS GROUP USA, CORP Part of the ALS Laboratory Group A Campbell Brothers Limited Company

Environmental 

[www.alsglobal.com](http://www.alsglobal.com)

RIGHT SOLUTIONS RIGHT PARTNER

# ALS Environmental

Date: 09-Jul-24

**Client:** Partners Environmental Consulting, Inc.  
**Project:** Former Leake Oil; 448 E Taggart St. East Palestine OH; 229  
**Work Order:** 24060880

## Work Order Sample Summary

---

<u>Lab Samp ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Tag Number</u>	<u>Collection Date</u>	<u>Date Received</u>	<u>Hold</u>
24060880-01	MW-07	Water		6/21/2024 09:29	6/22/2024 10:15	<input type="checkbox"/>
24060880-02	MW-08	Water		6/21/2024 11:12	6/22/2024 10:15	<input type="checkbox"/>
24060880-03	MW-09	Water		6/21/2024 12:46	6/22/2024 10:15	<input type="checkbox"/>
24060880-04	MW-11	Water		6/21/2024 13:50	6/22/2024 10:15	<input type="checkbox"/>
24060880-05	TRIP-25	Water		6/21/2024	6/22/2024 10:15	<input type="checkbox"/>

DRAFT

## ALS Environmental

Date: 09-Jul-24

**Client:** Partners Environmental Consulting, Inc.  
**Project:** Former Leake Oil; 448 E Taggart St. East Palestine OH; 22  
**Work Order:** 24060880

## Case Narrative

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The analyses requested were analyzed according to Ohio Voluntary Action Program requirements. Affidavits are available upon request.

The analytical data provided relates directly to the samples received by ALS Laboratory Group and for only the analyses requested.

QC sample results for this data met laboratory specifications. Any exceptions are noted in the Case Narrative, or noted with qualifiers in the report or QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained from ALS Laboratory Group. Samples will be disposed in 30 days unless storage arrangements are made.

DRAFT

# ALS Environmental

Date: 09-Jul-24

**Client:** Partners Environmental Consulting, Inc.  
**Project:** Former Leake Oil; 448 E Taggart St. East Palestine  
**Sample ID:** MW-07  
**Collection Date:** 6/21/2024 09:29 AM

**Work Order:** 24060880  
**Lab ID:** 24060880-01  
**Matrix:** WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>SEMI-VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8270C</b>		Prep: SW3510C 6/25/24 13:57	Analyst: DTL
1,2,4,5-Tetrachlorobenzene	ND		10.0	µg/L	1	6/26/2024 09:30 PM
1,2,4-Trichlorobenzene	ND		10.0	µg/L	1	6/26/2024 09:30 PM
1,2-Dichlorobenzene	ND		10.0	µg/L	1	6/26/2024 09:30 PM
1,3-Dichlorobenzene	ND		10.0	µg/L	1	6/26/2024 09:30 PM
1,3-Dinitrobenzene	ND		10.0	µg/L	1	6/26/2024 09:30 PM
1,4-Dichlorobenzene	ND		10.0	µg/L	1	6/26/2024 09:30 PM
1-Methylnaphthalene	ND		0.200	µg/L	1	6/26/2024 09:30 PM
1-Naphthylamine	ND		10.0	µg/L	1	6/26/2024 09:30 PM
2,3,4,6-Tetrachlorophenol	ND		10.0	µg/L	1	6/26/2024 09:30 PM
2,4,5-Trichlorophenol	ND		10.0	µg/L	1	6/26/2024 09:30 PM
2,4,6-Trichlorophenol	ND		10.0	µg/L	1	6/26/2024 09:30 PM
2,4-Dichlorophenol	ND		10.0	µg/L	1	6/26/2024 09:30 PM
2,4-Dimethylphenol	ND		10.0	µg/L	1	6/26/2024 09:30 PM
2,4-Dinitrophenol	ND		10.0	µg/L	1	6/26/2024 09:30 PM
2,4-Dinitrotoluene	ND		10.0	µg/L	1	6/26/2024 09:30 PM
2,6-Dichlorophenol	ND		10.0	µg/L	1	6/26/2024 09:30 PM
2,6-Dinitrotoluene	ND		10.0	µg/L	1	6/26/2024 09:30 PM
2-Acetylaminofluorene	ND		10.0	µg/L	1	6/26/2024 09:30 PM
2-Chloronaphthalene	ND		10.0	µg/L	1	6/26/2024 09:30 PM
2-Chlorophenol	ND		10.0	µg/L	1	6/26/2024 09:30 PM
2-Methylnaphthalene	ND		0.200	µg/L	1	6/26/2024 09:30 PM
2-Methylphenol	ND		10.0	µg/L	1	6/26/2024 09:30 PM
2-Naphthylamine	ND		10.0	µg/L	1	6/26/2024 09:30 PM
2-Nitroaniline	ND		10.0	µg/L	1	6/26/2024 09:30 PM
2-Nitrophenol	ND		10.0	µg/L	1	6/26/2024 09:30 PM
2-Picoline	ND		10.0	µg/L	1	6/26/2024 09:30 PM
3&4-Methylphenol	ND		10.0	µg/L	1	6/26/2024 09:30 PM
3,3'-Dichlorobenzidine	ND		10.0	µg/L	1	6/26/2024 09:30 PM
3-Methylcholanthrene	ND		10.0	µg/L	1	6/26/2024 09:30 PM
3-Nitroaniline	ND		10.0	µg/L	1	6/26/2024 09:30 PM
4,6-Dinitro-2-methylphenol	ND		10.0	µg/L	1	6/26/2024 09:30 PM
4-Aminobiphenyl	ND		10.0	µg/L	1	6/26/2024 09:30 PM
4-Bromophenyl phenyl ether	ND		10.0	µg/L	1	6/26/2024 09:30 PM
4-Chloro-3-methylphenol	ND		10.0	µg/L	1	6/26/2024 09:30 PM
4-Chloroaniline	ND		10.0	µg/L	1	6/26/2024 09:30 PM
4-Chlorophenyl phenyl ether	ND		10.0	µg/L	1	6/26/2024 09:30 PM
4-Nitroaniline	ND		10.0	µg/L	1	6/26/2024 09:30 PM
4-Nitrophenol	ND		10.0	µg/L	1	6/26/2024 09:30 PM
4-Nitroquinoline 1-oxide	ND		10.0	µg/L	1	6/26/2024 09:30 PM

Note:

# ALS Environmental

Date: 09-Jul-24

**Client:** Partners Environmental Consulting, Inc.  
**Project:** Former Leake Oil; 448 E Taggart St. East Palestine  
**Sample ID:** MW-07  
**Collection Date:** 6/21/2024 09:29 AM

**Work Order:** 24060880  
**Lab ID:** 24060880-01  
**Matrix:** WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
5-Nitro-o-toluidine	ND		10.0	µg/L	1	6/26/2024 09:30 PM
7,12-Dimethylbenz(a)anthracene	ND		10.0	µg/L	1	6/26/2024 09:30 PM
Acenaphthene	ND		0.200	µg/L	1	6/26/2024 09:30 PM
Acenaphthylene	ND		0.200	µg/L	1	6/26/2024 09:30 PM
Acetophenone	ND		10.0	µg/L	1	6/26/2024 09:30 PM
Aniline	ND		10.0	µg/L	1	6/26/2024 09:30 PM
Anthracene	ND		0.200	µg/L	1	6/26/2024 09:30 PM
Azobenzene	ND		10.0	µg/L	1	6/26/2024 09:30 PM
Benzidine	ND		10.0	µg/L	1	6/26/2024 09:30 PM
Benzo(g,h,i)perylene	ND		0.200	µg/L	1	6/26/2024 09:30 PM
Benzo[a]anthracene	ND		0.200	µg/L	1	6/26/2024 09:30 PM
Benzo[a]pyrene	ND		0.200	µg/L	1	6/26/2024 09:30 PM
Benzo[b]fluoranthene	ND		0.200	µg/L	1	6/26/2024 09:30 PM
Benzo[k]fluoranthene	ND		0.200	µg/L	1	6/26/2024 09:30 PM
Benzyl alcohol	ND		10.0	µg/L	1	6/26/2024 09:30 PM
Bis(2-chloroethoxy)methane	ND		10.0	µg/L	1	6/26/2024 09:30 PM
Bis(2-chloroethyl)ether	ND		10.0	µg/L	1	6/26/2024 09:30 PM
Bis(2-chloroisopropyl)ether	ND		10.0	µg/L	1	6/26/2024 09:30 PM
Bis(2-ethylhexyl)phthalate	ND		10.0	µg/L	1	6/26/2024 09:30 PM
Butyl benzyl phthalate	ND		10.0	µg/L	1	6/26/2024 09:30 PM
Carbazole	ND		0.200	µg/L	1	6/26/2024 09:30 PM
Chrysene	ND		0.200	µg/L	1	6/26/2024 09:30 PM
Dibenz[a,h]anthracene	ND		0.200	µg/L	1	6/26/2024 09:30 PM
Dibenzofuran	ND		0.200	µg/L	1	6/26/2024 09:30 PM
Diethyl phthalate	ND		10.0	µg/L	1	6/26/2024 09:30 PM
Dimethyl phthalate	ND		10.0	µg/L	1	6/26/2024 09:30 PM
Di-n-butyl phthalate	ND		10.0	µg/L	1	6/26/2024 09:30 PM
Di-n-octyl phthalate	ND		10.0	µg/L	1	6/26/2024 09:30 PM
Dinoseb	ND		10.0	µg/L	1	6/26/2024 09:30 PM
Diphenylamine	ND		10.0	µg/L	1	6/26/2024 09:30 PM
Ethyl methanesulfonate	ND		10.0	µg/L	1	6/26/2024 09:30 PM
Fluoranthene	ND		0.200	µg/L	1	6/26/2024 09:30 PM
Fluorene	ND		0.200	µg/L	1	6/26/2024 09:30 PM
Hexachlorobenzene	ND		10.0	µg/L	1	6/26/2024 09:30 PM
Hexachlorobutadiene	ND		10.0	µg/L	1	6/26/2024 09:30 PM
Hexachlorocyclopentadiene	ND		10.0	µg/L	1	6/26/2024 09:30 PM
Hexachloroethane	ND		10.0	µg/L	1	6/26/2024 09:30 PM
Indeno[1,2,3-cd]pyrene	ND		0.200	µg/L	1	6/26/2024 09:30 PM
Isophorone	ND		10.0	µg/L	1	6/26/2024 09:30 PM
Isosafrole	ND		10.0	µg/L	1	6/26/2024 09:30 PM

Note:



# ALS Environmental

Date: 09-Jul-24

**Client:** Partners Environmental Consulting, Inc.  
**Project:** Former Leake Oil; 448 E Taggart St. East Palestine  
**Sample ID:** MW-07  
**Collection Date:** 6/21/2024 09:29 AM

**Work Order:** 24060880  
**Lab ID:** 24060880-01  
**Matrix:** WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Methapyrilene	ND		10.0	µg/L	1	6/26/2024 09:30 PM
Methyl methanesulfonate	ND		10.0	µg/L	1	6/26/2024 09:30 PM
Naphthalene	ND		10.0	µg/L	1	6/26/2024 09:30 PM
Nitrobenzene	ND		10.0	µg/L	1	6/26/2024 09:30 PM
N-Nitrosodiethylamine	ND		10.0	µg/L	1	6/26/2024 09:30 PM
N-Nitrosodimethylamine	ND		10.0	µg/L	1	6/26/2024 09:30 PM
N-Nitroso-di-n-butylamine	ND		10.0	µg/L	1	6/26/2024 09:30 PM
N-Nitrosodi-n-propylamine	ND		10.0	µg/L	1	6/26/2024 09:30 PM
N-Nitrosomethylethylamine	ND		10.0	µg/L	1	6/26/2024 09:30 PM
N-Nitrosomorpholine	ND		10.0	µg/L	1	6/26/2024 09:30 PM
N-Nitrosopiperidine	ND		10.0	µg/L	1	6/26/2024 09:30 PM
N-Nitrosopyrrolidine	ND		10.0	µg/L	1	6/26/2024 09:30 PM
o-Toluidine	ND		10.0	µg/L	1	6/26/2024 09:30 PM
p-Dimethylaminoazobenzene	ND		10.0	µg/L	1	6/26/2024 09:30 PM
Pentachlorobenzene	ND		10.0	µg/L	1	6/26/2024 09:30 PM
Pentachloroethane	ND		10.0	µg/L	1	6/26/2024 09:30 PM
Pentachloronitrobenzene	ND		10.0	µg/L	1	6/26/2024 09:30 PM
Pentachlorophenol	ND		10.0	µg/L	1	6/26/2024 09:30 PM
Phenacetin	ND		10.0	µg/L	1	6/26/2024 09:30 PM
Phenanthrene	ND		0.200	µg/L	1	6/26/2024 09:30 PM
Phenol	ND		10.0	µg/L	1	6/26/2024 09:30 PM
Pyrene	ND		0.200	µg/L	1	6/26/2024 09:30 PM
Pyridine	ND		10.0	µg/L	1	6/26/2024 09:30 PM
Safrole	ND		10.0	µg/L	1	6/26/2024 09:30 PM
Surr: 2,4,6-Tribromophenol	66.9		9.92-114	%REC	1	6/26/2024 09:30 PM
Surr: 2-Fluorobiphenyl	58.1		31.5-129	%REC	1	6/26/2024 09:30 PM
Surr: 2-Fluorophenol	40.7		12-89	%REC	1	6/26/2024 09:30 PM
Surr: 4-Terphenyl-d14	80.0		38.3-160	%REC	1	6/26/2024 09:30 PM
Surr: Nitrobenzene-d5	62.4		28-120	%REC	1	6/26/2024 09:30 PM
Surr: Phenol-d6	27.4		4.27-70.1	%REC	1	6/26/2024 09:30 PM

## VOLATILE ORGANIC COMPOUNDS

SW8260B

Analyst: TJH

1,1,1,2-Tetrachloroethane	ND		5.0	µg/L	1	7/2/2024 04:43 AM
1,1,1-Trichloroethane	ND		5.0	µg/L	1	7/2/2024 04:43 AM
1,1,2,2-Tetrachloroethane	ND		5.0	µg/L	1	7/2/2024 04:43 AM
1,1,2-Trichloroethane	ND		5.0	µg/L	1	7/2/2024 04:43 AM
1,1-Dichloroethane	ND		5.0	µg/L	1	7/2/2024 04:43 AM
1,1-Dichloroethene	ND		5.0	µg/L	1	7/2/2024 04:43 AM
1,1-Dichloropropene	ND		5.0	µg/L	1	7/2/2024 04:43 AM
1,2,3-Trichlorobenzene	ND		5.0	µg/L	1	7/2/2024 04:43 AM
1,2,3-Trichloropropane	ND		5.0	µg/L	1	7/2/2024 04:43 AM

Note:

# ALS Environmental

Date: 09-Jul-24

Client: Partners Environmental Consulting, Inc.  
 Project: Former Leake Oil; 448 E Taggart St. East Palestine  
 Sample ID: MW-07  
 Collection Date: 6/21/2024 09:29 AM

Work Order: 24060880  
 Lab ID: 24060880-01  
 Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1,2,4-Trichlorobenzene	ND		5.0	µg/L	1	7/2/2024 04:43 AM
1,2,4-Trimethylbenzene	ND		5.0	µg/L	1	7/2/2024 04:43 AM
1,2-Dibromo-3-chloropropane	ND		0.20	µg/L	1	7/2/2024 04:43 AM
1,2-Dibromoethane	ND		0.050	µg/L	1	7/2/2024 04:43 AM
1,2-Dichlorobenzene	ND		5.0	µg/L	1	7/2/2024 04:43 AM
1,2-Dichloroethane	ND		5.0	µg/L	1	7/2/2024 04:43 AM
1,2-Dichloropropane	ND		5.0	µg/L	1	7/2/2024 04:43 AM
1,3,5-Trimethylbenzene	ND		5.0	µg/L	1	7/2/2024 04:43 AM
1,3-Dichlorobenzene	ND		5.0	µg/L	1	7/2/2024 04:43 AM
1,3-Dichloropropane	ND		5.0	µg/L	1	7/2/2024 04:43 AM
1,4-Dichlorobenzene	ND		5.0	µg/L	1	7/2/2024 04:43 AM
2,2-Dichloropropane	ND		5.0	µg/L	1	7/2/2024 04:43 AM
2-Butanone	ND		50	µg/L	1	7/2/2024 04:43 AM
2-Chlorotoluene	ND		5.0	µg/L	1	7/2/2024 04:43 AM
2-Hexanone	ND		5.0	µg/L	1	7/2/2024 04:43 AM
4-Chlorotoluene	ND		5.0	µg/L	1	7/2/2024 04:43 AM
4-Methyl-2-pentanone	ND		5.0	µg/L	1	7/2/2024 04:43 AM
Acetone	ND		50	µg/L	1	7/2/2024 04:43 AM
Benzene	ND		5.0	µg/L	1	7/2/2024 04:43 AM
Bromobenzene	ND		5.0	µg/L	1	7/2/2024 04:43 AM
Bromochloromethane	ND		5.0	µg/L	1	7/2/2024 04:43 AM
Bromodichloromethane	ND		5.0	µg/L	1	7/2/2024 04:43 AM
Bromoform	ND		5.0	µg/L	1	7/2/2024 04:43 AM
Bromomethane	ND		5.0	µg/L	1	7/2/2024 04:43 AM
Carbon disulfide	ND		5.0	µg/L	1	7/2/2024 04:43 AM
Carbon tetrachloride	ND		5.0	µg/L	1	7/2/2024 04:43 AM
Chlorobenzene	ND		5.0	µg/L	1	7/2/2024 04:43 AM
Chloroethane	ND		5.0	µg/L	1	7/2/2024 04:43 AM
Chloroform	ND		5.0	µg/L	1	7/2/2024 04:43 AM
Chloromethane	ND		5.0	µg/L	1	7/2/2024 04:43 AM
cis-1,2-Dichloroethene	ND		5.0	µg/L	1	7/2/2024 04:43 AM
cis-1,3-Dichloropropene	ND		5.0	µg/L	1	7/2/2024 04:43 AM
Dibromochloromethane	ND		5.0	µg/L	1	7/2/2024 04:43 AM
Dibromomethane	ND		5.0	µg/L	1	7/2/2024 04:43 AM
Dichlorodifluoromethane	ND		5.0	µg/L	1	7/2/2024 04:43 AM
Ethylbenzene	ND		5.0	µg/L	1	7/2/2024 04:43 AM
Hexachlorobutadiene	ND		5.0	µg/L	1	7/2/2024 04:43 AM
Isopropylbenzene	ND		5.0	µg/L	1	7/2/2024 04:43 AM
m,p-Xylene	ND		10	µg/L	1	7/2/2024 04:43 AM
Methyl tert-butyl ether	ND		5.0	µg/L	1	7/2/2024 04:43 AM

Note:

# ALS Environmental

Date: 09-Jul-24

Client: Partners Environmental Consulting, Inc.  
 Project: Former Leake Oil; 448 E Taggart St. East Palestine  
 Sample ID: MW-07  
 Collection Date: 6/21/2024 09:29 AM

Work Order: 24060880  
 Lab ID: 24060880-01  
 Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Methylene chloride	ND		5.0	µg/L	1	7/2/2024 04:43 AM
Naphthalene	ND		5.0	µg/L	1	7/2/2024 04:43 AM
n-Butylbenzene	ND		5.0	µg/L	1	7/2/2024 04:43 AM
n-Propylbenzene	ND		5.0	µg/L	1	7/2/2024 04:43 AM
o-Xylene	ND		5.0	µg/L	1	7/2/2024 04:43 AM
p-Isopropyltoluene	ND		5.0	µg/L	1	7/2/2024 04:43 AM
sec-Butylbenzene	ND		5.0	µg/L	1	7/2/2024 04:43 AM
Styrene	ND		5.0	µg/L	1	7/2/2024 04:43 AM
tert-Butylbenzene	ND		5.0	µg/L	1	7/2/2024 04:43 AM
Tetrachloroethene	ND		5.0	µg/L	1	7/2/2024 04:43 AM
Toluene	ND		5.0	µg/L	1	7/2/2024 04:43 AM
trans-1,2-Dichloroethene	ND		5.0	µg/L	1	7/2/2024 04:43 AM
trans-1,3-Dichloropropene	ND		5.0	µg/L	1	7/2/2024 04:43 AM
Trichloroethene	ND		5.0	µg/L	1	7/2/2024 04:43 AM
Trichlorofluoromethane	ND		5.0	µg/L	1	7/2/2024 04:43 AM
Vinyl chloride	ND		2.0	µg/L	1	7/2/2024 04:43 AM
Xylenes, Total	ND		15	µg/L	1	7/2/2024 04:43 AM
Surr: 4-Bromofluorobenzene	101		61-131	%REC	1	7/2/2024 04:43 AM
Surr: Dibromofluoromethane	86.5		72-137	%REC	1	7/2/2024 04:43 AM
Surr: Toluene-d8	100		93.7-124	%REC	1	7/2/2024 04:43 AM

DRAFT

Note:

# ALS Environmental

Date: 09-Jul-24

**Client:** Partners Environmental Consulting, Inc.  
**Project:** Former Leake Oil; 448 E Taggart St. East Palestine  
**Sample ID:** MW-08  
**Collection Date:** 6/21/2024 11:12 AM

**Work Order:** 24060880  
**Lab ID:** 24060880-02  
**Matrix:** WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
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## SEMI-VOLATILE ORGANIC COMPOUNDS

SW8270C

Prep: SW3510C 6/25/24 13:57

Analyst: DTL

1,2,4,5-Tetrachlorobenzene	ND		10.0	µg/L	1	6/26/2024 09:49 PM
1,2,4-Trichlorobenzene	ND		10.0	µg/L	1	6/26/2024 09:49 PM
1,2-Dichlorobenzene	ND		10.0	µg/L	1	6/26/2024 09:49 PM
1,3-Dichlorobenzene	ND		10.0	µg/L	1	6/26/2024 09:49 PM
1,3-Dinitrobenzene	ND		10.0	µg/L	1	6/26/2024 09:49 PM
1,4-Dichlorobenzene	ND		10.0	µg/L	1	6/26/2024 09:49 PM
1-Methylnaphthalene	ND		0.200	µg/L	1	6/26/2024 09:49 PM
1-Naphthylamine	ND		10.0	µg/L	1	6/26/2024 09:49 PM
2,3,4,6-Tetrachlorophenol	ND		10.0	µg/L	1	6/26/2024 09:49 PM
2,4,5-Trichlorophenol	ND		10.0	µg/L	1	6/26/2024 09:49 PM
2,4,6-Trichlorophenol	ND		10.0	µg/L	1	6/26/2024 09:49 PM
2,4-Dichlorophenol	ND		10.0	µg/L	1	6/26/2024 09:49 PM
2,4-Dimethylphenol	ND		10.0	µg/L	1	6/26/2024 09:49 PM
2,4-Dinitrophenol	ND		10.0	µg/L	1	6/26/2024 09:49 PM
2,4-Dinitrotoluene	ND		10.0	µg/L	1	6/26/2024 09:49 PM
2,6-Dichlorophenol	ND		10.0	µg/L	1	6/26/2024 09:49 PM
2,6-Dinitrotoluene	ND		10.0	µg/L	1	6/26/2024 09:49 PM
2-Acetylaminofluorene	ND		10.0	µg/L	1	6/26/2024 09:49 PM
2-Chloronaphthalene	ND		10.0	µg/L	1	6/26/2024 09:49 PM
2-Chlorophenol	ND		10.0	µg/L	1	6/26/2024 09:49 PM
2-Methylnaphthalene	ND		0.200	µg/L	1	6/26/2024 09:49 PM
2-Methylphenol	ND		10.0	µg/L	1	6/26/2024 09:49 PM
2-Naphthylamine	ND		10.0	µg/L	1	6/26/2024 09:49 PM
2-Nitroaniline	ND		10.0	µg/L	1	6/26/2024 09:49 PM
2-Nitrophenol	ND		10.0	µg/L	1	6/26/2024 09:49 PM
2-Picoline	ND		10.0	µg/L	1	6/26/2024 09:49 PM
3&4-Methylphenol	ND		10.0	µg/L	1	6/26/2024 09:49 PM
3,3'-Dichlorobenzidine	ND		10.0	µg/L	1	6/26/2024 09:49 PM
3-Methylcholanthrene	ND		10.0	µg/L	1	6/26/2024 09:49 PM
3-Nitroaniline	ND		10.0	µg/L	1	6/26/2024 09:49 PM
4,6-Dinitro-2-methylphenol	ND		10.0	µg/L	1	6/26/2024 09:49 PM
4-Aminobiphenyl	ND		10.0	µg/L	1	6/26/2024 09:49 PM
4-Bromophenyl phenyl ether	ND		10.0	µg/L	1	6/26/2024 09:49 PM
4-Chloro-3-methylphenol	ND		10.0	µg/L	1	6/26/2024 09:49 PM
4-Chloroaniline	ND		10.0	µg/L	1	6/26/2024 09:49 PM
4-Chlorophenyl phenyl ether	ND		10.0	µg/L	1	6/26/2024 09:49 PM
4-Nitroaniline	ND		10.0	µg/L	1	6/26/2024 09:49 PM
4-Nitrophenol	ND		10.0	µg/L	1	6/26/2024 09:49 PM
4-Nitroquinoline 1-oxide	ND		10.0	µg/L	1	6/26/2024 09:49 PM

Note:

# ALS Environmental

Date: 09-Jul-24

**Client:** Partners Environmental Consulting, Inc.  
**Project:** Former Leake Oil; 448 E Taggart St. East Palestine  
**Sample ID:** MW-08  
**Collection Date:** 6/21/2024 11:12 AM

**Work Order:** 24060880  
**Lab ID:** 24060880-02  
**Matrix:** WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
5-Nitro-o-toluidine	ND		10.0	µg/L	1	6/26/2024 09:49 PM
7,12-Dimethylbenz(a)anthracene	ND		10.0	µg/L	1	6/26/2024 09:49 PM
Acenaphthene	ND		0.200	µg/L	1	6/26/2024 09:49 PM
Acenaphthylene	ND		0.200	µg/L	1	6/26/2024 09:49 PM
Acetophenone	ND		10.0	µg/L	1	6/26/2024 09:49 PM
Aniline	ND		10.0	µg/L	1	6/26/2024 09:49 PM
Anthracene	ND		0.200	µg/L	1	6/26/2024 09:49 PM
Azobenzene	ND		10.0	µg/L	1	6/26/2024 09:49 PM
Benzidine	ND		10.0	µg/L	1	6/26/2024 09:49 PM
Benzo(g,h,i)perylene	ND		0.200	µg/L	1	6/26/2024 09:49 PM
Benzo[a]anthracene	ND		0.200	µg/L	1	6/26/2024 09:49 PM
Benzo[a]pyrene	ND		0.200	µg/L	1	6/26/2024 09:49 PM
Benzo[b]fluoranthene	ND		0.200	µg/L	1	6/26/2024 09:49 PM
Benzo[k]fluoranthene	ND		0.200	µg/L	1	6/26/2024 09:49 PM
Benzyl alcohol	ND		10.0	µg/L	1	6/26/2024 09:49 PM
Bis(2-chloroethoxy)methane	ND		10.0	µg/L	1	6/26/2024 09:49 PM
Bis(2-chloroethyl)ether	ND		10.0	µg/L	1	6/26/2024 09:49 PM
Bis(2-chloroisopropyl)ether	ND		10.0	µg/L	1	6/26/2024 09:49 PM
Bis(2-ethylhexyl)phthalate	ND		10.0	µg/L	1	6/26/2024 09:49 PM
Butyl benzyl phthalate	ND		10.0	µg/L	1	6/26/2024 09:49 PM
Carbazole	ND		0.200	µg/L	1	6/26/2024 09:49 PM
Chrysene	ND		0.200	µg/L	1	6/26/2024 09:49 PM
Dibenz[a,h]anthracene	ND		0.200	µg/L	1	6/26/2024 09:49 PM
Dibenzofuran	ND		0.200	µg/L	1	6/26/2024 09:49 PM
Diethyl phthalate	ND		10.0	µg/L	1	6/26/2024 09:49 PM
Dimethyl phthalate	ND		10.0	µg/L	1	6/26/2024 09:49 PM
Di-n-butyl phthalate	ND		10.0	µg/L	1	6/26/2024 09:49 PM
Di-n-octyl phthalate	ND		10.0	µg/L	1	6/26/2024 09:49 PM
Dinoseb	ND		10.0	µg/L	1	6/26/2024 09:49 PM
Diphenylamine	ND		10.0	µg/L	1	6/26/2024 09:49 PM
Ethyl methanesulfonate	ND		10.0	µg/L	1	6/26/2024 09:49 PM
Fluoranthene	ND		0.200	µg/L	1	6/26/2024 09:49 PM
Fluorene	ND		0.200	µg/L	1	6/26/2024 09:49 PM
Hexachlorobenzene	ND		10.0	µg/L	1	6/26/2024 09:49 PM
Hexachlorobutadiene	ND		10.0	µg/L	1	6/26/2024 09:49 PM
Hexachlorocyclopentadiene	ND		10.0	µg/L	1	6/26/2024 09:49 PM
Hexachloroethane	ND		10.0	µg/L	1	6/26/2024 09:49 PM
Indeno[1,2,3-cd]pyrene	ND		0.200	µg/L	1	6/26/2024 09:49 PM
Isophorone	ND		10.0	µg/L	1	6/26/2024 09:49 PM
Isosafrole	ND		10.0	µg/L	1	6/26/2024 09:49 PM

**Note:**

# ALS Environmental

Date: 09-Jul-24

**Client:** Partners Environmental Consulting, Inc.  
**Project:** Former Leake Oil; 448 E Taggart St. East Palestine  
**Sample ID:** MW-08  
**Collection Date:** 6/21/2024 11:12 AM

**Work Order:** 24060880  
**Lab ID:** 24060880-02  
**Matrix:** WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Methapyrilene	ND		10.0	µg/L	1	6/26/2024 09:49 PM
Methyl methanesulfonate	ND		10.0	µg/L	1	6/26/2024 09:49 PM
Naphthalene	ND		10.0	µg/L	1	6/26/2024 09:49 PM
Nitrobenzene	ND		10.0	µg/L	1	6/26/2024 09:49 PM
N-Nitrosodiethylamine	ND		10.0	µg/L	1	6/26/2024 09:49 PM
N-Nitrosodimethylamine	ND		10.0	µg/L	1	6/26/2024 09:49 PM
N-Nitroso-di-n-butylamine	ND		10.0	µg/L	1	6/26/2024 09:49 PM
N-Nitrosodi-n-propylamine	ND		10.0	µg/L	1	6/26/2024 09:49 PM
N-Nitrosomethylethylamine	ND		10.0	µg/L	1	6/26/2024 09:49 PM
N-Nitrosomorpholine	ND		10.0	µg/L	1	6/26/2024 09:49 PM
N-Nitrosopiperidine	ND		10.0	µg/L	1	6/26/2024 09:49 PM
N-Nitrosopyrrolidine	ND		10.0	µg/L	1	6/26/2024 09:49 PM
o-Toluidine	ND		10.0	µg/L	1	6/26/2024 09:49 PM
p-Dimethylaminoazobenzene	ND		10.0	µg/L	1	6/26/2024 09:49 PM
Pentachlorobenzene	ND		10.0	µg/L	1	6/26/2024 09:49 PM
Pentachloroethane	ND		10.0	µg/L	1	6/26/2024 09:49 PM
Pentachloronitrobenzene	ND		10.0	µg/L	1	6/26/2024 09:49 PM
Pentachlorophenol	ND		10.0	µg/L	1	6/26/2024 09:49 PM
Phenacetin	ND		10.0	µg/L	1	6/26/2024 09:49 PM
Phenanthrene	ND		0.200	µg/L	1	6/26/2024 09:49 PM
Phenol	ND		10.0	µg/L	1	6/26/2024 09:49 PM
Pyrene	ND		0.200	µg/L	1	6/26/2024 09:49 PM
Pyridine	ND		10.0	µg/L	1	6/26/2024 09:49 PM
Safrole	ND		10.0	µg/L	1	6/26/2024 09:49 PM
Surr: 2,4,6-Tribromophenol	82.3		9.92-114	%REC	1	6/26/2024 09:49 PM
Surr: 2-Fluorobiphenyl	71.5		31.5-129	%REC	1	6/26/2024 09:49 PM
Surr: 2-Fluorophenol	49.6		12-89	%REC	1	6/26/2024 09:49 PM
Surr: 4-Terphenyl-d14	74.8		38.3-160	%REC	1	6/26/2024 09:49 PM
Surr: Nitrobenzene-d5	77.2		28-120	%REC	1	6/26/2024 09:49 PM
Surr: Phenol-d6	34.1		4.27-70.1	%REC	1	6/26/2024 09:49 PM

## VOLATILE ORGANIC COMPOUNDS

SW8260B

Analyst: TJH

1,1,1,2-Tetrachloroethane	ND		5.0	µg/L	1	7/2/2024 05:01 AM
1,1,1-Trichloroethane	ND		5.0	µg/L	1	7/2/2024 05:01 AM
1,1,2,2-Tetrachloroethane	ND		5.0	µg/L	1	7/2/2024 05:01 AM
1,1,2-Trichloroethane	ND		5.0	µg/L	1	7/2/2024 05:01 AM
1,1-Dichloroethane	ND		5.0	µg/L	1	7/2/2024 05:01 AM
1,1-Dichloroethene	ND		5.0	µg/L	1	7/2/2024 05:01 AM
1,1-Dichloropropene	ND		5.0	µg/L	1	7/2/2024 05:01 AM
1,2,3-Trichlorobenzene	ND		5.0	µg/L	1	7/2/2024 05:01 AM
1,2,3-Trichloropropane	ND		5.0	µg/L	1	7/2/2024 05:01 AM

Note:

# ALS Environmental

Date: 09-Jul-24

**Client:** Partners Environmental Consulting, Inc.  
**Project:** Former Leake Oil; 448 E Taggart St. East Palestine  
**Sample ID:** MW-08  
**Collection Date:** 6/21/2024 11:12 AM

**Work Order:** 24060880  
**Lab ID:** 24060880-02  
**Matrix:** WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1,2,4-Trichlorobenzene	ND		5.0	µg/L	1	7/2/2024 05:01 AM
1,2,4-Trimethylbenzene	ND		5.0	µg/L	1	7/2/2024 05:01 AM
1,2-Dibromo-3-chloropropane	ND		0.20	µg/L	1	7/2/2024 05:01 AM
1,2-Dibromoethane	ND		0.050	µg/L	1	7/2/2024 05:01 AM
1,2-Dichlorobenzene	ND		5.0	µg/L	1	7/2/2024 05:01 AM
1,2-Dichloroethane	ND		5.0	µg/L	1	7/2/2024 05:01 AM
1,2-Dichloropropane	ND		5.0	µg/L	1	7/2/2024 05:01 AM
1,3,5-Trimethylbenzene	ND		5.0	µg/L	1	7/2/2024 05:01 AM
1,3-Dichlorobenzene	ND		5.0	µg/L	1	7/2/2024 05:01 AM
1,3-Dichloropropane	ND		5.0	µg/L	1	7/2/2024 05:01 AM
1,4-Dichlorobenzene	ND		5.0	µg/L	1	7/2/2024 05:01 AM
2,2-Dichloropropane	ND		5.0	µg/L	1	7/2/2024 05:01 AM
2-Butanone	ND		50	µg/L	1	7/2/2024 05:01 AM
2-Chlorotoluene	ND		5.0	µg/L	1	7/2/2024 05:01 AM
2-Hexanone	ND		5.0	µg/L	1	7/2/2024 05:01 AM
4-Chlorotoluene	ND		5.0	µg/L	1	7/2/2024 05:01 AM
4-Methyl-2-pentanone	ND		5.0	µg/L	1	7/2/2024 05:01 AM
Acetone	ND		50	µg/L	1	7/2/2024 05:01 AM
Benzene	ND		5.0	µg/L	1	7/2/2024 05:01 AM
Bromobenzene	ND		5.0	µg/L	1	7/2/2024 05:01 AM
Bromochloromethane	ND		5.0	µg/L	1	7/2/2024 05:01 AM
Bromodichloromethane	ND		5.0	µg/L	1	7/2/2024 05:01 AM
Bromoform	ND		5.0	µg/L	1	7/2/2024 05:01 AM
Bromomethane	ND		5.0	µg/L	1	7/2/2024 05:01 AM
Carbon disulfide	ND		5.0	µg/L	1	7/2/2024 05:01 AM
Carbon tetrachloride	ND		5.0	µg/L	1	7/2/2024 05:01 AM
Chlorobenzene	ND		5.0	µg/L	1	7/2/2024 05:01 AM
Chloroethane	ND		5.0	µg/L	1	7/2/2024 05:01 AM
Chloroform	ND		5.0	µg/L	1	7/2/2024 05:01 AM
Chloromethane	ND		5.0	µg/L	1	7/2/2024 05:01 AM
cis-1,2-Dichloroethene	ND		5.0	µg/L	1	7/2/2024 05:01 AM
cis-1,3-Dichloropropene	ND		5.0	µg/L	1	7/2/2024 05:01 AM
Dibromochloromethane	ND		5.0	µg/L	1	7/2/2024 05:01 AM
Dibromomethane	ND		5.0	µg/L	1	7/2/2024 05:01 AM
Dichlorodifluoromethane	ND		5.0	µg/L	1	7/2/2024 05:01 AM
Ethylbenzene	ND		5.0	µg/L	1	7/2/2024 05:01 AM
Hexachlorobutadiene	ND		5.0	µg/L	1	7/2/2024 05:01 AM
Isopropylbenzene	ND		5.0	µg/L	1	7/2/2024 05:01 AM
m,p-Xylene	ND		10	µg/L	1	7/2/2024 05:01 AM
Methyl tert-butyl ether	ND		5.0	µg/L	1	7/2/2024 05:01 AM

**Note:**



# ALS Environmental

Date: 09-Jul-24

Client: Partners Environmental Consulting, Inc.  
 Project: Former Leake Oil; 448 E Taggart St. East Palestine  
 Sample ID: MW-08  
 Collection Date: 6/21/2024 11:12 AM

Work Order: 24060880  
 Lab ID: 24060880-02  
 Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Methylene chloride	ND		5.0	µg/L	1	7/2/2024 05:01 AM
Naphthalene	ND		5.0	µg/L	1	7/2/2024 05:01 AM
n-Butylbenzene	ND		5.0	µg/L	1	7/2/2024 05:01 AM
n-Propylbenzene	ND		5.0	µg/L	1	7/2/2024 05:01 AM
o-Xylene	ND		5.0	µg/L	1	7/2/2024 05:01 AM
p-Isopropyltoluene	ND		5.0	µg/L	1	7/2/2024 05:01 AM
sec-Butylbenzene	ND		5.0	µg/L	1	7/2/2024 05:01 AM
Styrene	ND		5.0	µg/L	1	7/2/2024 05:01 AM
tert-Butylbenzene	ND		5.0	µg/L	1	7/2/2024 05:01 AM
Tetrachloroethene	ND		5.0	µg/L	1	7/2/2024 05:01 AM
Toluene	ND		5.0	µg/L	1	7/2/2024 05:01 AM
trans-1,2-Dichloroethene	ND		5.0	µg/L	1	7/2/2024 05:01 AM
trans-1,3-Dichloropropene	ND		5.0	µg/L	1	7/2/2024 05:01 AM
Trichloroethene	ND		5.0	µg/L	1	7/2/2024 05:01 AM
Trichlorofluoromethane	ND		5.0	µg/L	1	7/2/2024 05:01 AM
Vinyl chloride	ND		2.0	µg/L	1	7/2/2024 05:01 AM
Xylenes, Total	ND		15	µg/L	1	7/2/2024 05:01 AM
Surr: 4-Bromofluorobenzene	100		61-131	%REC	1	7/2/2024 05:01 AM
Surr: Dibromofluoromethane	104		72-137	%REC	1	7/2/2024 05:01 AM
Surr: Toluene-d8	95.5		93.7-124	%REC	1	7/2/2024 05:01 AM

Note:

# ALS Environmental

Date: 09-Jul-24

**Client:** Partners Environmental Consulting, Inc.  
**Project:** Former Leake Oil; 448 E Taggart St. East Palestine  
**Sample ID:** MW-09  
**Collection Date:** 6/21/2024 12:46 PM

**Work Order:** 24060880  
**Lab ID:** 24060880-03  
**Matrix:** WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>SEMI-VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8270C</b>		Prep: SW3510C 6/25/24 13:57	Analyst: DTL
1,2,4,5-Tetrachlorobenzene	ND		10.0	µg/L	1	6/26/2024 10:08 PM
1,2,4-Trichlorobenzene	ND		10.0	µg/L	1	6/26/2024 10:08 PM
1,2-Dichlorobenzene	ND		10.0	µg/L	1	6/26/2024 10:08 PM
1,3-Dichlorobenzene	ND		10.0	µg/L	1	6/26/2024 10:08 PM
1,3-Dinitrobenzene	ND		10.0	µg/L	1	6/26/2024 10:08 PM
1,4-Dichlorobenzene	ND		10.0	µg/L	1	6/26/2024 10:08 PM
1-Methylnaphthalene	ND		0.200	µg/L	1	6/26/2024 10:08 PM
1-Naphthylamine	ND		10.0	µg/L	1	6/26/2024 10:08 PM
2,3,4,6-Tetrachlorophenol	ND		10.0	µg/L	1	6/26/2024 10:08 PM
2,4,5-Trichlorophenol	ND		10.0	µg/L	1	6/26/2024 10:08 PM
2,4,6-Trichlorophenol	ND		10.0	µg/L	1	6/26/2024 10:08 PM
2,4-Dichlorophenol	ND		10.0	µg/L	1	6/26/2024 10:08 PM
2,4-Dimethylphenol	ND		10.0	µg/L	1	6/26/2024 10:08 PM
2,4-Dinitrophenol	ND		10.0	µg/L	1	6/26/2024 10:08 PM
2,4-Dinitrotoluene	ND		10.0	µg/L	1	6/26/2024 10:08 PM
2,6-Dichlorophenol	ND		10.0	µg/L	1	6/26/2024 10:08 PM
2,6-Dinitrotoluene	ND		10.0	µg/L	1	6/26/2024 10:08 PM
2-Acetylaminofluorene	ND		10.0	µg/L	1	6/26/2024 10:08 PM
2-Chloronaphthalene	ND		10.0	µg/L	1	6/26/2024 10:08 PM
2-Chlorophenol	ND		10.0	µg/L	1	6/26/2024 10:08 PM
2-Methylnaphthalene	ND		0.200	µg/L	1	6/26/2024 10:08 PM
2-Methylphenol	ND		10.0	µg/L	1	6/26/2024 10:08 PM
2-Naphthylamine	ND		10.0	µg/L	1	6/26/2024 10:08 PM
2-Nitroaniline	ND		10.0	µg/L	1	6/26/2024 10:08 PM
2-Nitrophenol	ND		10.0	µg/L	1	6/26/2024 10:08 PM
2-Picoline	ND		10.0	µg/L	1	6/26/2024 10:08 PM
3&4-Methylphenol	ND		10.0	µg/L	1	6/26/2024 10:08 PM
3,3'-Dichlorobenzidine	ND		10.0	µg/L	1	6/26/2024 10:08 PM
3-Methylcholanthrene	ND		10.0	µg/L	1	6/26/2024 10:08 PM
3-Nitroaniline	ND		10.0	µg/L	1	6/26/2024 10:08 PM
4,6-Dinitro-2-methylphenol	ND		10.0	µg/L	1	6/26/2024 10:08 PM
4-Aminobiphenyl	ND		10.0	µg/L	1	6/26/2024 10:08 PM
4-Bromophenyl phenyl ether	ND		10.0	µg/L	1	6/26/2024 10:08 PM
4-Chloro-3-methylphenol	ND		10.0	µg/L	1	6/26/2024 10:08 PM
4-Chloroaniline	ND		10.0	µg/L	1	6/26/2024 10:08 PM
4-Chlorophenyl phenyl ether	ND		10.0	µg/L	1	6/26/2024 10:08 PM
4-Nitroaniline	ND		10.0	µg/L	1	6/26/2024 10:08 PM
4-Nitrophenol	ND		10.0	µg/L	1	6/26/2024 10:08 PM
4-Nitroquinoline 1-oxide	ND		10.0	µg/L	1	6/26/2024 10:08 PM

Note:

# ALS Environmental

Date: 09-Jul-24

**Client:** Partners Environmental Consulting, Inc.  
**Project:** Former Leake Oil; 448 E Taggart St. East Palestine  
**Sample ID:** MW-09  
**Collection Date:** 6/21/2024 12:46 PM

**Work Order:** 24060880  
**Lab ID:** 24060880-03  
**Matrix:** WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
5-Nitro-o-toluidine	ND		10.0	µg/L	1	6/26/2024 10:08 PM
7,12-Dimethylbenz(a)anthracene	ND		10.0	µg/L	1	6/26/2024 10:08 PM
Acenaphthene	ND		0.200	µg/L	1	6/26/2024 10:08 PM
Acenaphthylene	ND		0.200	µg/L	1	6/26/2024 10:08 PM
Acetophenone	ND		10.0	µg/L	1	6/26/2024 10:08 PM
Aniline	ND		10.0	µg/L	1	6/26/2024 10:08 PM
Anthracene	ND		0.200	µg/L	1	6/26/2024 10:08 PM
Azobenzene	ND		10.0	µg/L	1	6/26/2024 10:08 PM
Benzidine	ND		10.0	µg/L	1	6/26/2024 10:08 PM
Benzo(g,h,i)perylene	ND		0.200	µg/L	1	6/26/2024 10:08 PM
Benzo[a]anthracene	ND		0.200	µg/L	1	6/26/2024 10:08 PM
Benzo[a]pyrene	ND		0.200	µg/L	1	6/26/2024 10:08 PM
Benzo[b]fluoranthene	ND		0.200	µg/L	1	6/26/2024 10:08 PM
Benzo[k]fluoranthene	ND		0.200	µg/L	1	6/26/2024 10:08 PM
Benzyl alcohol	ND		10.0	µg/L	1	6/26/2024 10:08 PM
Bis(2-chloroethoxy)methane	ND		10.0	µg/L	1	6/26/2024 10:08 PM
Bis(2-chloroethyl)ether	ND		10.0	µg/L	1	6/26/2024 10:08 PM
Bis(2-chloroisopropyl)ether	ND		10.0	µg/L	1	6/26/2024 10:08 PM
Bis(2-ethylhexyl)phthalate	ND		10.0	µg/L	1	6/26/2024 10:08 PM
Butyl benzyl phthalate	ND		10.0	µg/L	1	6/26/2024 10:08 PM
Carbazole	ND		0.200	µg/L	1	6/26/2024 10:08 PM
Chrysene	ND		0.200	µg/L	1	6/26/2024 10:08 PM
Dibenz[a,h]anthracene	ND		0.200	µg/L	1	6/26/2024 10:08 PM
Dibenzofuran	ND		0.200	µg/L	1	6/26/2024 10:08 PM
Diethyl phthalate	ND		10.0	µg/L	1	6/26/2024 10:08 PM
Dimethyl phthalate	ND		10.0	µg/L	1	6/26/2024 10:08 PM
Di-n-butyl phthalate	ND		10.0	µg/L	1	6/26/2024 10:08 PM
Di-n-octyl phthalate	ND		10.0	µg/L	1	6/26/2024 10:08 PM
Dinoseb	ND		10.0	µg/L	1	6/26/2024 10:08 PM
Diphenylamine	ND		10.0	µg/L	1	6/26/2024 10:08 PM
Ethyl methanesulfonate	ND		10.0	µg/L	1	6/26/2024 10:08 PM
Fluoranthene	ND		0.200	µg/L	1	6/26/2024 10:08 PM
Fluorene	ND		0.200	µg/L	1	6/26/2024 10:08 PM
Hexachlorobenzene	ND		10.0	µg/L	1	6/26/2024 10:08 PM
Hexachlorobutadiene	ND		10.0	µg/L	1	6/26/2024 10:08 PM
Hexachlorocyclopentadiene	ND		10.0	µg/L	1	6/26/2024 10:08 PM
Hexachloroethane	ND		10.0	µg/L	1	6/26/2024 10:08 PM
Indeno[1,2,3-cd]pyrene	ND		0.200	µg/L	1	6/26/2024 10:08 PM
Isophorone	ND		10.0	µg/L	1	6/26/2024 10:08 PM
Isosafrole	ND		10.0	µg/L	1	6/26/2024 10:08 PM

Note:

# ALS Environmental

Date: 09-Jul-24

**Client:** Partners Environmental Consulting, Inc.  
**Project:** Former Leake Oil; 448 E Taggart St. East Palestine  
**Sample ID:** MW-09  
**Collection Date:** 6/21/2024 12:46 PM

**Work Order:** 24060880  
**Lab ID:** 24060880-03  
**Matrix:** WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Methapyrilene	ND		10.0	µg/L	1	6/26/2024 10:08 PM
Methyl methanesulfonate	ND		10.0	µg/L	1	6/26/2024 10:08 PM
Naphthalene	ND		10.0	µg/L	1	6/26/2024 10:08 PM
Nitrobenzene	ND		10.0	µg/L	1	6/26/2024 10:08 PM
N-Nitrosodiethylamine	ND		10.0	µg/L	1	6/26/2024 10:08 PM
N-Nitrosodimethylamine	ND		10.0	µg/L	1	6/26/2024 10:08 PM
N-Nitroso-di-n-butylamine	ND		10.0	µg/L	1	6/26/2024 10:08 PM
N-Nitrosodi-n-propylamine	ND		10.0	µg/L	1	6/26/2024 10:08 PM
N-Nitrosomethylethylamine	ND		10.0	µg/L	1	6/26/2024 10:08 PM
N-Nitrosomorpholine	ND		10.0	µg/L	1	6/26/2024 10:08 PM
N-Nitrosopiperidine	ND		10.0	µg/L	1	6/26/2024 10:08 PM
N-Nitrosopyrrolidine	ND		10.0	µg/L	1	6/26/2024 10:08 PM
o-Toluidine	ND		10.0	µg/L	1	6/26/2024 10:08 PM
p-Dimethylaminoazobenzene	ND		10.0	µg/L	1	6/26/2024 10:08 PM
Pentachlorobenzene	ND		10.0	µg/L	1	6/26/2024 10:08 PM
Pentachloroethane	ND		10.0	µg/L	1	6/26/2024 10:08 PM
Pentachloronitrobenzene	ND		10.0	µg/L	1	6/26/2024 10:08 PM
Pentachlorophenol	ND		10.0	µg/L	1	6/26/2024 10:08 PM
Phenacetin	ND		10.0	µg/L	1	6/26/2024 10:08 PM
Phenanthrene	ND		0.200	µg/L	1	6/26/2024 10:08 PM
Phenol	ND		10.0	µg/L	1	6/26/2024 10:08 PM
Pyrene	ND		0.200	µg/L	1	6/26/2024 10:08 PM
Pyridine	ND		10.0	µg/L	1	6/26/2024 10:08 PM
Safrole	ND		10.0	µg/L	1	6/26/2024 10:08 PM
Surr: 2,4,6-Tribromophenol	78.9		9.92-114	%REC	1	6/26/2024 10:08 PM
Surr: 2-Fluorobiphenyl	72.7		31.5-129	%REC	1	6/26/2024 10:08 PM
Surr: 2-Fluorophenol	48.4		12-89	%REC	1	6/26/2024 10:08 PM
Surr: 4-Terphenyl-d14	73.0		38.3-160	%REC	1	6/26/2024 10:08 PM
Surr: Nitrobenzene-d5	76.5		28-120	%REC	1	6/26/2024 10:08 PM
Surr: Phenol-d6	33.5		4.27-70.1	%REC	1	6/26/2024 10:08 PM

## VOLATILE ORGANIC COMPOUNDS

SW8260B

Analyst: TJH

1,1,1,2-Tetrachloroethane	ND		5.0	µg/L	1	7/2/2024 05:19 AM
1,1,1-Trichloroethane	ND		5.0	µg/L	1	7/2/2024 05:19 AM
1,1,2,2-Tetrachloroethane	ND		5.0	µg/L	1	7/2/2024 05:19 AM
1,1,2-Trichloroethane	ND		5.0	µg/L	1	7/2/2024 05:19 AM
1,1-Dichloroethane	ND		5.0	µg/L	1	7/2/2024 05:19 AM
1,1-Dichloroethene	ND		5.0	µg/L	1	7/2/2024 05:19 AM
1,1-Dichloropropene	ND		5.0	µg/L	1	7/2/2024 05:19 AM
1,2,3-Trichlorobenzene	ND		5.0	µg/L	1	7/2/2024 05:19 AM
1,2,3-Trichloropropane	ND		5.0	µg/L	1	7/2/2024 05:19 AM

Note:

# ALS Environmental

Date: 09-Jul-24

**Client:** Partners Environmental Consulting, Inc.  
**Project:** Former Leake Oil; 448 E Taggart St. East Palestine  
**Sample ID:** MW-09  
**Collection Date:** 6/21/2024 12:46 PM

**Work Order:** 24060880  
**Lab ID:** 24060880-03  
**Matrix:** WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1,2,4-Trichlorobenzene	ND		5.0	µg/L	1	7/2/2024 05:19 AM
1,2,4-Trimethylbenzene	ND		5.0	µg/L	1	7/2/2024 05:19 AM
1,2-Dibromo-3-chloropropane	ND		0.20	µg/L	1	7/2/2024 05:19 AM
1,2-Dibromoethane	ND		0.050	µg/L	1	7/2/2024 05:19 AM
1,2-Dichlorobenzene	ND		5.0	µg/L	1	7/2/2024 05:19 AM
1,2-Dichloroethane	ND		5.0	µg/L	1	7/2/2024 05:19 AM
1,2-Dichloropropane	ND		5.0	µg/L	1	7/2/2024 05:19 AM
1,3,5-Trimethylbenzene	ND		5.0	µg/L	1	7/2/2024 05:19 AM
1,3-Dichlorobenzene	ND		5.0	µg/L	1	7/2/2024 05:19 AM
1,3-Dichloropropane	ND		5.0	µg/L	1	7/2/2024 05:19 AM
1,4-Dichlorobenzene	ND		5.0	µg/L	1	7/2/2024 05:19 AM
2,2-Dichloropropane	ND		5.0	µg/L	1	7/2/2024 05:19 AM
2-Butanone	ND		50	µg/L	1	7/2/2024 05:19 AM
2-Chlorotoluene	ND		5.0	µg/L	1	7/2/2024 05:19 AM
2-Hexanone	ND		5.0	µg/L	1	7/2/2024 05:19 AM
4-Chlorotoluene	ND		5.0	µg/L	1	7/2/2024 05:19 AM
4-Methyl-2-pentanone	ND		5.0	µg/L	1	7/2/2024 05:19 AM
Acetone	ND		50	µg/L	1	7/2/2024 05:19 AM
Benzene	ND		5.0	µg/L	1	7/2/2024 05:19 AM
Bromobenzene	ND		5.0	µg/L	1	7/2/2024 05:19 AM
Bromochloromethane	ND		5.0	µg/L	1	7/2/2024 05:19 AM
Bromodichloromethane	ND		5.0	µg/L	1	7/2/2024 05:19 AM
Bromoform	ND		5.0	µg/L	1	7/2/2024 05:19 AM
Bromomethane	ND		5.0	µg/L	1	7/2/2024 05:19 AM
Carbon disulfide	ND		5.0	µg/L	1	7/2/2024 05:19 AM
Carbon tetrachloride	ND		5.0	µg/L	1	7/2/2024 05:19 AM
Chlorobenzene	ND		5.0	µg/L	1	7/2/2024 05:19 AM
Chloroethane	ND		5.0	µg/L	1	7/2/2024 05:19 AM
Chloroform	ND		5.0	µg/L	1	7/2/2024 05:19 AM
Chloromethane	ND		5.0	µg/L	1	7/2/2024 05:19 AM
cis-1,2-Dichloroethene	ND		5.0	µg/L	1	7/2/2024 05:19 AM
cis-1,3-Dichloropropene	ND		5.0	µg/L	1	7/2/2024 05:19 AM
Dibromochloromethane	ND		5.0	µg/L	1	7/2/2024 05:19 AM
Dibromomethane	ND		5.0	µg/L	1	7/2/2024 05:19 AM
Dichlorodifluoromethane	ND		5.0	µg/L	1	7/2/2024 05:19 AM
Ethylbenzene	ND		5.0	µg/L	1	7/2/2024 05:19 AM
Hexachlorobutadiene	ND		5.0	µg/L	1	7/2/2024 05:19 AM
Isopropylbenzene	ND		5.0	µg/L	1	7/2/2024 05:19 AM
m,p-Xylene	ND		10	µg/L	1	7/2/2024 05:19 AM
Methyl tert-butyl ether	ND		5.0	µg/L	1	7/2/2024 05:19 AM

**Note:**

# ALS Environmental

Date: 09-Jul-24

Client: Partners Environmental Consulting, Inc.  
 Project: Former Leake Oil; 448 E Taggart St. East Palestine  
 Sample ID: MW-09  
 Collection Date: 6/21/2024 12:46 PM

Work Order: 24060880  
 Lab ID: 24060880-03  
 Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Methylene chloride	ND		5.0	µg/L	1	7/2/2024 05:19 AM
Naphthalene	ND		5.0	µg/L	1	7/2/2024 05:19 AM
n-Butylbenzene	ND		5.0	µg/L	1	7/2/2024 05:19 AM
n-Propylbenzene	ND		5.0	µg/L	1	7/2/2024 05:19 AM
o-Xylene	ND		5.0	µg/L	1	7/2/2024 05:19 AM
p-Isopropyltoluene	ND		5.0	µg/L	1	7/2/2024 05:19 AM
sec-Butylbenzene	ND		5.0	µg/L	1	7/2/2024 05:19 AM
Styrene	ND		5.0	µg/L	1	7/2/2024 05:19 AM
tert-Butylbenzene	ND		5.0	µg/L	1	7/2/2024 05:19 AM
Tetrachloroethene	ND		5.0	µg/L	1	7/2/2024 05:19 AM
Toluene	ND		5.0	µg/L	1	7/2/2024 05:19 AM
trans-1,2-Dichloroethene	ND		5.0	µg/L	1	7/2/2024 05:19 AM
trans-1,3-Dichloropropene	ND		5.0	µg/L	1	7/2/2024 05:19 AM
Trichloroethene	ND		5.0	µg/L	1	7/2/2024 05:19 AM
Trichlorofluoromethane	ND		5.0	µg/L	1	7/2/2024 05:19 AM
Vinyl chloride	ND		2.0	µg/L	1	7/2/2024 05:19 AM
Xylenes, Total	ND		15	µg/L	1	7/2/2024 05:19 AM
Surr: 4-Bromofluorobenzene	93.0		61-131	%REC	1	7/2/2024 05:19 AM
Surr: Dibromofluoromethane	99.0		72-137	%REC	1	7/2/2024 05:19 AM
Surr: Toluene-d8	96.4		93.7-124	%REC	1	7/2/2024 05:19 AM

DRAFT

Note:

# ALS Environmental

Date: 09-Jul-24

**Client:** Partners Environmental Consulting, Inc.  
**Project:** Former Leake Oil; 448 E Taggart St. East Palestine  
**Sample ID:** MW-11  
**Collection Date:** 6/21/2024 01:50 PM

**Work Order:** 24060880  
**Lab ID:** 24060880-04  
**Matrix:** WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>SEMI-VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8270C</b>	Prep: SW3510C 6/25/24 13:57	Analyst: DTL	
1,2,4,5-Tetrachlorobenzene	ND		10.0	µg/L	1	6/26/2024 10:27 PM
1,2,4-Trichlorobenzene	ND		10.0	µg/L	1	6/26/2024 10:27 PM
1,2-Dichlorobenzene	ND		10.0	µg/L	1	6/26/2024 10:27 PM
1,3-Dichlorobenzene	ND		10.0	µg/L	1	6/26/2024 10:27 PM
1,3-Dinitrobenzene	ND		10.0	µg/L	1	6/26/2024 10:27 PM
1,4-Dichlorobenzene	ND		10.0	µg/L	1	6/26/2024 10:27 PM
<b>1-Methylnaphthalene</b>	<b>0.224</b>		<b>0.200</b>	<b>µg/L</b>	1	6/26/2024 10:27 PM
1-Naphthylamine	ND		10.0	µg/L	1	6/26/2024 10:27 PM
2,3,4,6-Tetrachlorophenol	ND		10.0	µg/L	1	6/26/2024 10:27 PM
2,4,5-Trichlorophenol	ND		10.0	µg/L	1	6/26/2024 10:27 PM
2,4,6-Trichlorophenol	ND		10.0	µg/L	1	6/26/2024 10:27 PM
2,4-Dichlorophenol	ND		10.0	µg/L	1	6/26/2024 10:27 PM
2,4-Dimethylphenol	ND		10.0	µg/L	1	6/26/2024 10:27 PM
2,4-Dinitrophenol	ND		10.0	µg/L	1	6/26/2024 10:27 PM
2,4-Dinitrotoluene	ND		10.0	µg/L	1	6/26/2024 10:27 PM
2,6-Dichlorophenol	ND		10.0	µg/L	1	6/26/2024 10:27 PM
2,6-Dinitrotoluene	ND		10.0	µg/L	1	6/26/2024 10:27 PM
2-Acetylaminofluorene	ND		10.0	µg/L	1	6/26/2024 10:27 PM
2-Chloronaphthalene	ND		10.0	µg/L	1	6/26/2024 10:27 PM
2-Chlorophenol	ND		10.0	µg/L	1	6/26/2024 10:27 PM
<b>2-Methylnaphthalene</b>	<b>0.304</b>		<b>0.200</b>	<b>µg/L</b>	1	6/26/2024 10:27 PM
2-Methylphenol	ND		10.0	µg/L	1	6/26/2024 10:27 PM
2-Naphthylamine	ND		10.0	µg/L	1	6/26/2024 10:27 PM
2-Nitroaniline	ND		10.0	µg/L	1	6/26/2024 10:27 PM
2-Nitrophenol	ND		10.0	µg/L	1	6/26/2024 10:27 PM
2-Picoline	ND		10.0	µg/L	1	6/26/2024 10:27 PM
3&4-Methylphenol	ND		10.0	µg/L	1	6/26/2024 10:27 PM
3,3'-Dichlorobenzidine	ND		10.0	µg/L	1	6/26/2024 10:27 PM
3-Methylcholanthrene	ND		10.0	µg/L	1	6/26/2024 10:27 PM
3-Nitroaniline	ND		10.0	µg/L	1	6/26/2024 10:27 PM
4,6-Dinitro-2-methylphenol	ND		10.0	µg/L	1	6/26/2024 10:27 PM
4-Aminobiphenyl	ND		10.0	µg/L	1	6/26/2024 10:27 PM
4-Bromophenyl phenyl ether	ND		10.0	µg/L	1	6/26/2024 10:27 PM
4-Chloro-3-methylphenol	ND		10.0	µg/L	1	6/26/2024 10:27 PM
4-Chloroaniline	ND		10.0	µg/L	1	6/26/2024 10:27 PM
4-Chlorophenyl phenyl ether	ND		10.0	µg/L	1	6/26/2024 10:27 PM
4-Nitroaniline	ND		10.0	µg/L	1	6/26/2024 10:27 PM
4-Nitrophenol	ND		10.0	µg/L	1	6/26/2024 10:27 PM
4-Nitroquinoline 1-oxide	ND		10.0	µg/L	1	6/26/2024 10:27 PM

Note:



# ALS Environmental

Date: 09-Jul-24

**Client:** Partners Environmental Consulting, Inc.  
**Project:** Former Leake Oil; 448 E Taggart St. East Palestine  
**Sample ID:** MW-11  
**Collection Date:** 6/21/2024 01:50 PM

**Work Order:** 24060880  
**Lab ID:** 24060880-04  
**Matrix:** WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
5-Nitro-o-toluidine	ND		10.0	µg/L	1	6/26/2024 10:27 PM
7,12-Dimethylbenz(a)anthracene	ND		10.0	µg/L	1	6/26/2024 10:27 PM
Acenaphthene	ND		0.200	µg/L	1	6/26/2024 10:27 PM
Acenaphthylene	ND		0.200	µg/L	1	6/26/2024 10:27 PM
Acetophenone	ND		10.0	µg/L	1	6/26/2024 10:27 PM
Aniline	ND		10.0	µg/L	1	6/26/2024 10:27 PM
Anthracene	ND		0.200	µg/L	1	6/26/2024 10:27 PM
Azobenzene	ND		10.0	µg/L	1	6/26/2024 10:27 PM
Benzidine	ND		10.0	µg/L	1	6/26/2024 10:27 PM
Benzo(g,h,i)perylene	ND		0.200	µg/L	1	6/26/2024 10:27 PM
Benzo[a]anthracene	ND		0.200	µg/L	1	6/26/2024 10:27 PM
Benzo[a]pyrene	ND		0.200	µg/L	1	6/26/2024 10:27 PM
Benzo[b]fluoranthene	ND		0.200	µg/L	1	6/26/2024 10:27 PM
Benzo[k]fluoranthene	ND		0.200	µg/L	1	6/26/2024 10:27 PM
Benzyl alcohol	ND		10.0	µg/L	1	6/26/2024 10:27 PM
Bis(2-chloroethoxy)methane	ND		10.0	µg/L	1	6/26/2024 10:27 PM
Bis(2-chloroethyl)ether	ND		10.0	µg/L	1	6/26/2024 10:27 PM
Bis(2-chloroisopropyl)ether	ND		10.0	µg/L	1	6/26/2024 10:27 PM
Bis(2-ethylhexyl)phthalate	ND		10.0	µg/L	1	6/26/2024 10:27 PM
Butyl benzyl phthalate	ND		10.0	µg/L	1	6/26/2024 10:27 PM
Carbazole	ND		0.200	µg/L	1	6/26/2024 10:27 PM
Chrysene	ND		0.200	µg/L	1	6/26/2024 10:27 PM
Dibenz[a,h]anthracene	ND		0.200	µg/L	1	6/26/2024 10:27 PM
Dibenzofuran	ND		0.200	µg/L	1	6/26/2024 10:27 PM
Diethyl phthalate	ND		10.0	µg/L	1	6/26/2024 10:27 PM
Dimethyl phthalate	ND		10.0	µg/L	1	6/26/2024 10:27 PM
Di-n-butyl phthalate	ND		10.0	µg/L	1	6/26/2024 10:27 PM
Di-n-octyl phthalate	ND		10.0	µg/L	1	6/26/2024 10:27 PM
Dinoseb	ND		10.0	µg/L	1	6/26/2024 10:27 PM
Diphenylamine	ND		10.0	µg/L	1	6/26/2024 10:27 PM
Ethyl methanesulfonate	ND		10.0	µg/L	1	6/26/2024 10:27 PM
Fluoranthene	ND		0.200	µg/L	1	6/26/2024 10:27 PM
Fluorene	ND		0.200	µg/L	1	6/26/2024 10:27 PM
Hexachlorobenzene	ND		10.0	µg/L	1	6/26/2024 10:27 PM
Hexachlorobutadiene	ND		10.0	µg/L	1	6/26/2024 10:27 PM
Hexachlorocyclopentadiene	ND		10.0	µg/L	1	6/26/2024 10:27 PM
Hexachloroethane	ND		10.0	µg/L	1	6/26/2024 10:27 PM
Indeno[1,2,3-cd]pyrene	ND		0.200	µg/L	1	6/26/2024 10:27 PM
Isophorone	ND		10.0	µg/L	1	6/26/2024 10:27 PM
Isosafrole	ND		10.0	µg/L	1	6/26/2024 10:27 PM

Note:

# ALS Environmental

Date: 09-Jul-24

**Client:** Partners Environmental Consulting, Inc.  
**Project:** Former Leake Oil; 448 E Taggart St. East Palestine  
**Sample ID:** MW-11  
**Collection Date:** 6/21/2024 01:50 PM

**Work Order:** 24060880  
**Lab ID:** 24060880-04  
**Matrix:** WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Methapyrilene	ND		10.0	µg/L	1	6/26/2024 10:27 PM
Methyl methanesulfonate	ND		10.0	µg/L	1	6/26/2024 10:27 PM
Naphthalene	ND		10.0	µg/L	1	6/26/2024 10:27 PM
Nitrobenzene	ND		10.0	µg/L	1	6/26/2024 10:27 PM
N-Nitrosodiethylamine	ND		10.0	µg/L	1	6/26/2024 10:27 PM
N-Nitrosodimethylamine	ND		10.0	µg/L	1	6/26/2024 10:27 PM
N-Nitroso-di-n-butylamine	ND		10.0	µg/L	1	6/26/2024 10:27 PM
N-Nitrosodi-n-propylamine	ND		10.0	µg/L	1	6/26/2024 10:27 PM
N-Nitrosomethylethylamine	ND		10.0	µg/L	1	6/26/2024 10:27 PM
N-Nitrosomorpholine	ND		10.0	µg/L	1	6/26/2024 10:27 PM
N-Nitrosopiperidine	ND		10.0	µg/L	1	6/26/2024 10:27 PM
N-Nitrosopyrrolidine	ND		10.0	µg/L	1	6/26/2024 10:27 PM
o-Toluidine	ND		10.0	µg/L	1	6/26/2024 10:27 PM
p-Dimethylaminoazobenzene	ND		10.0	µg/L	1	6/26/2024 10:27 PM
Pentachlorobenzene	ND		10.0	µg/L	1	6/26/2024 10:27 PM
Pentachloroethane	ND		10.0	µg/L	1	6/26/2024 10:27 PM
Pentachloronitrobenzene	ND		10.0	µg/L	1	6/26/2024 10:27 PM
Pentachlorophenol	ND		10.0	µg/L	1	6/26/2024 10:27 PM
Phenacetin	ND		10.0	µg/L	1	6/26/2024 10:27 PM
Phenanthrene	ND		0.200	µg/L	1	6/26/2024 10:27 PM
Phenol	ND		10.0	µg/L	1	6/26/2024 10:27 PM
Pyrene	ND		0.200	µg/L	1	6/26/2024 10:27 PM
Pyridine	ND		10.0	µg/L	1	6/26/2024 10:27 PM
Safrole	ND		10.0	µg/L	1	6/26/2024 10:27 PM
Surr: 2,4,6-Tribromophenol	75.5		9.92-114	%REC	1	6/26/2024 10:27 PM
Surr: 2-Fluorobiphenyl	70.1		31.5-129	%REC	1	6/26/2024 10:27 PM
Surr: 2-Fluorophenol	45.4		12-89	%REC	1	6/26/2024 10:27 PM
Surr: 4-Terphenyl-d14	72.4		38.3-160	%REC	1	6/26/2024 10:27 PM
Surr: Nitrobenzene-d5	72.1		28-120	%REC	1	6/26/2024 10:27 PM
Surr: Phenol-d6	30.4		4.27-70.1	%REC	1	6/26/2024 10:27 PM

## VOLATILE ORGANIC COMPOUNDS

SW8260B

Analyst: TJH

1,1,1,2-Tetrachloroethane	ND		5.0	µg/L	1	7/2/2024 05:37 AM
1,1,1-Trichloroethane	ND		5.0	µg/L	1	7/2/2024 05:37 AM
1,1,2,2-Tetrachloroethane	ND		5.0	µg/L	1	7/2/2024 05:37 AM
1,1,2-Trichloroethane	ND		5.0	µg/L	1	7/2/2024 05:37 AM
1,1-Dichloroethane	ND		5.0	µg/L	1	7/2/2024 05:37 AM
1,1-Dichloroethene	ND		5.0	µg/L	1	7/2/2024 05:37 AM
1,1-Dichloropropene	ND		5.0	µg/L	1	7/2/2024 05:37 AM
1,2,3-Trichlorobenzene	ND		5.0	µg/L	1	7/2/2024 05:37 AM
1,2,3-Trichloropropane	ND		5.0	µg/L	1	7/2/2024 05:37 AM

Note:

# ALS Environmental

Date: 09-Jul-24

**Client:** Partners Environmental Consulting, Inc.  
**Project:** Former Leake Oil; 448 E Taggart St. East Palestine  
**Sample ID:** MW-11  
**Collection Date:** 6/21/2024 01:50 PM

**Work Order:** 24060880  
**Lab ID:** 24060880-04  
**Matrix:** WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1,2,4-Trichlorobenzene	ND		5.0	µg/L	1	7/2/2024 05:37 AM
1,2,4-Trimethylbenzene	ND		5.0	µg/L	1	7/2/2024 05:37 AM
1,2-Dibromo-3-chloropropane	ND		0.20	µg/L	1	7/2/2024 05:37 AM
1,2-Dibromoethane	ND		0.050	µg/L	1	7/2/2024 05:37 AM
1,2-Dichlorobenzene	ND		5.0	µg/L	1	7/2/2024 05:37 AM
1,2-Dichloroethane	ND		5.0	µg/L	1	7/2/2024 05:37 AM
1,2-Dichloropropane	ND		5.0	µg/L	1	7/2/2024 05:37 AM
1,3,5-Trimethylbenzene	ND		5.0	µg/L	1	7/2/2024 05:37 AM
1,3-Dichlorobenzene	ND		5.0	µg/L	1	7/2/2024 05:37 AM
1,3-Dichloropropane	ND		5.0	µg/L	1	7/2/2024 05:37 AM
1,4-Dichlorobenzene	ND		5.0	µg/L	1	7/2/2024 05:37 AM
2,2-Dichloropropane	ND		5.0	µg/L	1	7/2/2024 05:37 AM
2-Butanone	ND		50	µg/L	1	7/2/2024 05:37 AM
2-Chlorotoluene	ND		5.0	µg/L	1	7/2/2024 05:37 AM
2-Hexanone	ND		5.0	µg/L	1	7/2/2024 05:37 AM
4-Chlorotoluene	ND		5.0	µg/L	1	7/2/2024 05:37 AM
4-Methyl-2-pentanone	ND		5.0	µg/L	1	7/2/2024 05:37 AM
Acetone	ND		50	µg/L	1	7/2/2024 05:37 AM
Benzene	ND		5.0	µg/L	1	7/2/2024 05:37 AM
Bromobenzene	ND		5.0	µg/L	1	7/2/2024 05:37 AM
Bromochloromethane	ND		5.0	µg/L	1	7/2/2024 05:37 AM
Bromodichloromethane	ND		5.0	µg/L	1	7/2/2024 05:37 AM
Bromoform	ND		5.0	µg/L	1	7/2/2024 05:37 AM
Bromomethane	ND		5.0	µg/L	1	7/2/2024 05:37 AM
Carbon disulfide	ND		5.0	µg/L	1	7/2/2024 05:37 AM
Carbon tetrachloride	ND		5.0	µg/L	1	7/2/2024 05:37 AM
Chlorobenzene	ND		5.0	µg/L	1	7/2/2024 05:37 AM
Chloroethane	ND		5.0	µg/L	1	7/2/2024 05:37 AM
Chloroform	ND		5.0	µg/L	1	7/2/2024 05:37 AM
Chloromethane	ND		5.0	µg/L	1	7/2/2024 05:37 AM
cis-1,2-Dichloroethene	ND		5.0	µg/L	1	7/2/2024 05:37 AM
cis-1,3-Dichloropropene	ND		5.0	µg/L	1	7/2/2024 05:37 AM
Dibromochloromethane	ND		5.0	µg/L	1	7/2/2024 05:37 AM
Dibromomethane	ND		5.0	µg/L	1	7/2/2024 05:37 AM
Dichlorodifluoromethane	ND		5.0	µg/L	1	7/2/2024 05:37 AM
Ethylbenzene	ND		5.0	µg/L	1	7/2/2024 05:37 AM
Hexachlorobutadiene	ND		5.0	µg/L	1	7/2/2024 05:37 AM
Isopropylbenzene	ND		5.0	µg/L	1	7/2/2024 05:37 AM
m,p-Xylene	ND		10	µg/L	1	7/2/2024 05:37 AM
Methyl tert-butyl ether	ND		5.0	µg/L	1	7/2/2024 05:37 AM

Note:

# ALS Environmental

Date: 09-Jul-24

**Client:** Partners Environmental Consulting, Inc.  
**Project:** Former Leake Oil; 448 E Taggart St. East Palestine  
**Sample ID:** MW-11  
**Collection Date:** 6/21/2024 01:50 PM

**Work Order:** 24060880  
**Lab ID:** 24060880-04  
**Matrix:** WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Methylene chloride	ND		5.0	µg/L	1	7/2/2024 05:37 AM
Naphthalene	ND		5.0	µg/L	1	7/2/2024 05:37 AM
n-Butylbenzene	ND		5.0	µg/L	1	7/2/2024 05:37 AM
n-Propylbenzene	ND		5.0	µg/L	1	7/2/2024 05:37 AM
o-Xylene	ND		5.0	µg/L	1	7/2/2024 05:37 AM
p-Isopropyltoluene	ND		5.0	µg/L	1	7/2/2024 05:37 AM
sec-Butylbenzene	ND		5.0	µg/L	1	7/2/2024 05:37 AM
Styrene	ND		5.0	µg/L	1	7/2/2024 05:37 AM
tert-Butylbenzene	ND		5.0	µg/L	1	7/2/2024 05:37 AM
Tetrachloroethene	ND		5.0	µg/L	1	7/2/2024 05:37 AM
Toluene	ND		5.0	µg/L	1	7/2/2024 05:37 AM
trans-1,2-Dichloroethene	ND		5.0	µg/L	1	7/2/2024 05:37 AM
trans-1,3-Dichloropropene	ND		5.0	µg/L	1	7/2/2024 05:37 AM
Trichloroethene	ND		5.0	µg/L	1	7/2/2024 05:37 AM
Trichlorofluoromethane	ND		5.0	µg/L	1	7/2/2024 05:37 AM
Vinyl chloride	ND		2.0	µg/L	1	7/2/2024 05:37 AM
Xylenes, Total	ND		15	µg/L	1	7/2/2024 05:37 AM
Surr: 4-Bromofluorobenzene	108		61-131	%REC	1	7/2/2024 05:37 AM
Surr: Dibromofluoromethane	104		72-137	%REC	1	7/2/2024 05:37 AM
Surr: Toluene-d8	98.6		93.7-124	%REC	1	7/2/2024 05:37 AM

Note:

# ALS Environmental

Date: 09-Jul-24

**Client:** Partners Environmental Consulting, Inc.  
**Project:** Former Leake Oil; 448 E Taggart St. East Palestine  
**Sample ID:** TRIP-25  
**Collection Date:** 6/21/2024

**Work Order:** 24060880  
**Lab ID:** 24060880-05  
**Matrix:** WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8260B</b>			Analyst: TJH
1,1,1,2-Tetrachloroethane	ND		5.0	µg/L	1	7/2/2024 01:59 AM
1,1,1-Trichloroethane	ND		5.0	µg/L	1	7/2/2024 01:59 AM
1,1,2,2-Tetrachloroethane	ND		5.0	µg/L	1	7/2/2024 01:59 AM
1,1,2-Trichloroethane	ND		5.0	µg/L	1	7/2/2024 01:59 AM
1,1-Dichloroethane	ND		5.0	µg/L	1	7/2/2024 01:59 AM
1,1-Dichloroethene	ND		5.0	µg/L	1	7/2/2024 01:59 AM
1,1-Dichloropropene	ND		5.0	µg/L	1	7/2/2024 01:59 AM
1,2,3-Trichlorobenzene	ND		5.0	µg/L	1	7/2/2024 01:59 AM
1,2,3-Trichloropropane	ND		5.0	µg/L	1	7/2/2024 01:59 AM
1,2,4-Trichlorobenzene	ND		5.0	µg/L	1	7/2/2024 01:59 AM
1,2,4-Trimethylbenzene	ND		5.0	µg/L	1	7/2/2024 01:59 AM
1,2-Dibromo-3-chloropropane	ND		0.20	µg/L	1	7/2/2024 01:59 AM
1,2-Dibromoethane	ND		0.050	µg/L	1	7/2/2024 01:59 AM
1,2-Dichlorobenzene	ND		5.0	µg/L	1	7/2/2024 01:59 AM
1,2-Dichloroethane	ND		5.0	µg/L	1	7/2/2024 01:59 AM
1,2-Dichloropropane	ND		5.0	µg/L	1	7/2/2024 01:59 AM
1,3,5-Trimethylbenzene	ND		5.0	µg/L	1	7/2/2024 01:59 AM
1,3-Dichlorobenzene	ND		5.0	µg/L	1	7/2/2024 01:59 AM
1,3-Dichloropropane	ND		5.0	µg/L	1	7/2/2024 01:59 AM
1,4-Dichlorobenzene	ND		5.0	µg/L	1	7/2/2024 01:59 AM
2,2-Dichloropropane	ND		5.0	µg/L	1	7/2/2024 01:59 AM
2-Butanone	ND		50	µg/L	1	7/2/2024 01:59 AM
2-Chlorotoluene	ND		5.0	µg/L	1	7/2/2024 01:59 AM
2-Hexanone	ND		5.0	µg/L	1	7/2/2024 01:59 AM
4-Chlorotoluene	ND		5.0	µg/L	1	7/2/2024 01:59 AM
4-Methyl-2-pentanone	ND		5.0	µg/L	1	7/2/2024 01:59 AM
Acetone	ND		50	µg/L	1	7/2/2024 01:59 AM
Benzene	ND		5.0	µg/L	1	7/2/2024 01:59 AM
Bromobenzene	ND		5.0	µg/L	1	7/2/2024 01:59 AM
Bromochloromethane	ND		5.0	µg/L	1	7/2/2024 01:59 AM
Bromodichloromethane	ND		5.0	µg/L	1	7/2/2024 01:59 AM
Bromoform	ND		5.0	µg/L	1	7/2/2024 01:59 AM
Bromomethane	ND		5.0	µg/L	1	7/2/2024 01:59 AM
Carbon disulfide	ND		5.0	µg/L	1	7/2/2024 01:59 AM
Carbon tetrachloride	ND		5.0	µg/L	1	7/2/2024 01:59 AM
Chlorobenzene	ND		5.0	µg/L	1	7/2/2024 01:59 AM
Chloroethane	ND		5.0	µg/L	1	7/2/2024 01:59 AM
Chloroform	ND		5.0	µg/L	1	7/2/2024 01:59 AM
Chloromethane	ND		5.0	µg/L	1	7/2/2024 01:59 AM

Note:

# ALS Environmental

Date: 09-Jul-24

**Client:** Partners Environmental Consulting, Inc.  
**Project:** Former Leake Oil; 448 E Taggart St. East Palestine  
**Sample ID:** TRIP-25  
**Collection Date:** 6/21/2024

**Work Order:** 24060880  
**Lab ID:** 24060880-05  
**Matrix:** WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
cis-1,2-Dichloroethene	ND		5.0	µg/L	1	7/2/2024 01:59 AM
cis-1,3-Dichloropropene	ND		5.0	µg/L	1	7/2/2024 01:59 AM
Dibromochloromethane	ND		5.0	µg/L	1	7/2/2024 01:59 AM
Dibromomethane	ND		5.0	µg/L	1	7/2/2024 01:59 AM
Dichlorodifluoromethane	ND		5.0	µg/L	1	7/2/2024 01:59 AM
Ethylbenzene	ND		5.0	µg/L	1	7/2/2024 01:59 AM
Hexachlorobutadiene	ND		5.0	µg/L	1	7/2/2024 01:59 AM
Isopropylbenzene	ND		5.0	µg/L	1	7/2/2024 01:59 AM
m,p-Xylene	ND		10	µg/L	1	7/2/2024 01:59 AM
Methyl tert-butyl ether	ND		5.0	µg/L	1	7/2/2024 01:59 AM
Methylene chloride	ND		5.0	µg/L	1	7/2/2024 01:59 AM
Naphthalene	ND		5.0	µg/L	1	7/2/2024 01:59 AM
n-Butylbenzene	ND		5.0	µg/L	1	7/2/2024 01:59 AM
n-Propylbenzene	ND		5.0	µg/L	1	7/2/2024 01:59 AM
o-Xylene	ND		5.0	µg/L	1	7/2/2024 01:59 AM
p-Isopropyltoluene	ND		5.0	µg/L	1	7/2/2024 01:59 AM
sec-Butylbenzene	ND		5.0	µg/L	1	7/2/2024 01:59 AM
Styrene	ND		5.0	µg/L	1	7/2/2024 01:59 AM
tert-Butylbenzene	ND		5.0	µg/L	1	7/2/2024 01:59 AM
Tetrachloroethene	ND		5.0	µg/L	1	7/2/2024 01:59 AM
Toluene	ND		5.0	µg/L	1	7/2/2024 01:59 AM
trans-1,2-Dichloroethene	ND		5.0	µg/L	1	7/2/2024 01:59 AM
trans-1,3-Dichloropropene	ND		5.0	µg/L	1	7/2/2024 01:59 AM
Trichloroethene	ND		5.0	µg/L	1	7/2/2024 01:59 AM
Trichlorofluoromethane	ND		5.0	µg/L	1	7/2/2024 01:59 AM
Vinyl chloride	ND		2.0	µg/L	1	7/2/2024 01:59 AM
Xylenes, Total	ND		15	µg/L	1	7/2/2024 01:59 AM
Surr: 4-Bromofluorobenzene	96.0		61-131	%REC	1	7/2/2024 01:59 AM
Surr: Dibromofluoromethane	98.0		72-137	%REC	1	7/2/2024 01:59 AM
Surr: Toluene-d8	101		93.7-124	%REC	1	7/2/2024 01:59 AM

Note:

ALS Environmental

Date: 09-Jul-24

**Client:** Partners Environmental Consulting, Inc.  
**Work Order:** 24060880  
**Project:** Former Leake Oil; 448 E Taggart St. East Palestine

**QC BATCH REPORT**

Batch ID: **99658** Instrument ID **SVMS4** Method: **SW8270C**

MBLK		Sample ID: <b>MBLK-99658-99658</b>			Units: <b>µg/L</b>		Analysis Date: <b>6/26/2024 03:50 PM</b>			
Client ID:		Run ID: <b>SVMS4_240626A</b>			SeqNo: <b>3435446</b>		Prep Date: <b>6/25/2024</b>		DF: <b>1</b>	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2,4,5-Tetrachlorobenzene	ND	10								
1,2,4-Trichlorobenzene	ND	10								
1,2-Dichlorobenzene	ND	10								
1,3-Dichlorobenzene	ND	10								
1,3-Dinitrobenzene	ND	10								
1,4-Dichlorobenzene	ND	10								
1-Methylnaphthalene	ND	0.20								
1-Naphthylamine	ND	10								
2,3,4,6-Tetrachlorophenol	ND	10								
2,4,5-Trichlorophenol	ND	10								
2,4,6-Trichlorophenol	ND	10								
2,4-Dichlorophenol	ND	10								
2,4-Dimethylphenol	ND	10								
2,4-Dinitrophenol	ND	10								
2,4-Dinitrotoluene	ND	10								
2,6-Dichlorophenol	ND	10								
2,6-Dinitrotoluene	ND	10								
2-Acetylaminofluorene	ND	10								
2-Chloronaphthalene	ND	10								
2-Chlorophenol	ND	10								
2-Methylnaphthalene	ND	0.20								
2-Methylphenol	ND	10								
2-Naphthylamine	ND	10								
2-Nitroaniline	ND	10								
2-Nitrophenol	ND	10								
2-Picoline	ND	10								
3&4-Methylphenol	ND	10								
3,3'-Dichlorobenzidine	ND	10								
3-Methylcholanthrene	ND	10								
3-Nitroaniline	ND	10								
4,6-Dinitro-2-methylphenol	ND	10								
4-Aminobiphenyl	ND	10								
4-Bromophenyl phenyl ether	ND	10								
4-Chloro-3-methylphenol	ND	10								
4-Chloroaniline	ND	10								
4-Chlorophenyl phenyl ether	ND	10								
4-Nitroaniline	ND	10								
4-Nitrophenol	ND	10								
4-Nitroquinoline 1-oxide	ND	10								
5-Nitro-o-toluidine	ND	10								
7,12-Dimethylbenz(a)anthracene	ND	10								

DRAFT

**Note:** See Qualifiers Page for a list of Qualifiers and their explanation.



**Client:** Partners Environmental Consulting, Inc.  
**Work Order:** 24060880  
**Project:** Former Leake Oil; 448 E Taggart St. East Palestine

## QC BATCH REPORT

Batch ID: <b>99658</b>	Instrument ID <b>SVMS4</b>	Method: <b>SW8270C</b>	
Acenaphthene	ND	0.20	
Acenaphthylene	0.068	0.20	J
Acetophenone	ND	10	
Aniline	ND	10	
Anthracene	ND	0.20	
Azobenzene	ND	10	
Benzidine	ND	10	
Benzo(g,h,i)perylene	0.104	0.20	J
Benzo[a]anthracene	ND	0.20	
Benzo[a]pyrene	0.156	0.20	J
Benzo[b]fluoranthene	0.14	0.20	J
Benzo[k]fluoranthene	0.14	0.20	J
Benzyl alcohol	ND	10	
Bis(2-chloroethoxy)methane	ND	10	
Bis(2-chloroethyl)ether	ND	10	
Bis(2-chloroisopropyl)ether	ND	10	
Bis(2-ethylhexyl)phthalate	ND	10	
Butyl benzyl phthalate	ND	10	
Carbazole	ND	0.20	
Chrysene	ND	0.20	
Dibenz[a,h]anthracene	0.1	0.20	J
Dibenzofuran	ND	0.20	
Diethyl phthalate	ND	10	
Dimethyl phthalate	ND	10	
Di-n-butyl phthalate	ND	10	
Di-n-octyl phthalate	ND	10	
Dinoseb	ND	10	
Diphenylamine	ND	10	
Ethyl methanesulfonate	ND	10	
Fluoranthene	0.084	0.20	J
Fluorene	ND	0.20	
Hexachlorobenzene	ND	10	
Hexachlorobutadiene	ND	10	
Hexachlorocyclopentadiene	ND	10	
Hexachloroethane	ND	10	
Indeno[1,2,3-cd]pyrene	0.116	0.20	J
Isophorone	ND	10	
Isosafrole	ND	10	
Methapyrilene	ND	10	
Methyl methanesulfonate	ND	10	
Naphthalene	ND	10	
Nitrobenzene	ND	10	
N-Nitrosodiethylamine	ND	10	
N-Nitrosodimethylamine	ND	10	
N-Nitroso-di-n-butylamine	ND	10	
N-Nitrosodi-n-propylamine	ND	10	
N-Nitrosomethylethylamine	ND	10	
N-Nitrosomorpholine	ND	10	

DRAFT

**Note:** See Qualifiers Page for a list of Qualifiers and their explanation.

**Client:** Partners Environmental Consulting, Inc.  
**Work Order:** 24060880  
**Project:** Former Leake Oil; 448 E Taggart St. East Palestine

# QC BATCH REPORT

Batch ID: <b>99658</b>	Instrument ID <b>SVMS4</b>			Method: <b>SW8270C</b>				
N-Nitrosopiperidine	ND	10						
N-Nitrosopyrrolidine	ND	10						
o-Toluidine	ND	10						
p-Dimethylaminoazobenzene	ND	10						
Pentachlorobenzene	ND	10						
Pentachloroethane	ND	10						
Pentachloronitrobenzene	ND	10						
Pentachlorophenol	ND	10						
Phenacetin	ND	10						
Phenanthrene	0.072	0.20						J
Phenol	ND	10						
Pyrene	0.096	0.20						J
Pyridine	ND	10						
Safrole	ND	10						
<i>Surr: 2,4,6-Tribromophenol</i>	<i>59.24</i>	<i>0</i>	<i>80</i>	<i>0</i>	<i>74</i>	<i>9.92-114</i>	<i>0</i>	
<i>Surr: 2-Fluorobiphenyl</i>	<i>27.74</i>	<i>0</i>	<i>40</i>	<i>0</i>	<i>69.4</i>	<i>31.5-129</i>	<i>0</i>	
<i>Surr: 2-Fluorophenol</i>	<i>39.29</i>	<i>0</i>	<i>80</i>	<i>0</i>	<i>49.1</i>	<i>12-89</i>	<i>0</i>	
<i>Surr: 4-Terphenyl-d14</i>	<i>34.97</i>	<i>0</i>	<i>40</i>	<i>0</i>	<i>87.4</i>	<i>38.3-160</i>	<i>0</i>	
<i>Surr: Nitrobenzene-d5</i>	<i>28.78</i>	<i>0</i>	<i>40</i>	<i>0</i>	<i>72</i>	<i>28-120</i>	<i>0</i>	
<i>Surr: Phenol-d6</i>	<i>26.66</i>	<i>0</i>	<i>80</i>	<i>0</i>	<i>33.3</i>	<i>4.27-70.1</i>	<i>0</i>	

DRAFT

**Note:** See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Partners Environmental Consulting, Inc.  
 Work Order: 24060880  
 Project: Former Leake Oil; 448 E Taggart St. East Palestine

# QC BATCH REPORT

Batch ID: **99658** Instrument ID **SVMS4** Method: **SW8270C**

LCS		Sample ID: <b>LCS-99658-99658</b>				Units: <b>µg/L</b>		Analysis Date: <b>6/26/2024 04:46 PM</b>		
Client ID:		Run ID: <b>SVMS4_240626A</b>		SeqNo: <b>3435449</b>		Prep Date: <b>6/25/2024</b>		DF: <b>1</b>		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2,4-Trichlorobenzene	26.78	10	40	0	66.9	33.3-96.9	0			
1,4-Dichlorobenzene	25.77	10	40	0	64.4	24.6-94.5	0			
2,4-Dinitrotoluene	31.2	10	40	0	78	49.4-114	0			
2-Chlorophenol	33.28	10	40	0	83.2	44.1-106	0			
4-Chloro-3-methylphenol	32.26	10	40	0	80.7	50.6-110	0			
4-Nitrophenol	14.61	10	40	0	36.5	17.3-80.3	0			
Acenaphthene	27.13	0.20	40	0	67.8	39.3-106	0			
Acenaphthylene	28.16	0.20	40	0	70.4	41.8-117	0			
Anthracene	33.5	0.20	40	0	83.8	48.3-112	0			
Benzo(g,h,i)perylene	31.96	0.20	40	0	79.9	42.3-123	0			
Benzo[a]anthracene	31.27	0.20	40	0	78.2	14.6-130	0			
Benzo[a]pyrene	33.44	0.20	40	0	83.6	20.3-125	0			
Benzo[b]fluoranthene	31.49	0.20	40	0	78.7	15.7-124	0			
Benzo[k]fluoranthene	32.21	0.20	40	0	80.5	14.1-140	0			
Carbazole	37.62	0.20	40	0	94.1	42.7-139	0			
Chrysene	31.75	0.20	40	0	79.4	42.5-128	0			
Dibenz[a,h]anthracene	33.09	0.20	40	0	82.7	22.2-125	0			
Fluoranthene	35.08	0.20	40	0	87.7	37.5-128	0			
Fluorene	30.66	0.20	40	0	76.7	40.5-115	0			
Indeno[1,2,3-cd]pyrene	31.84	0.20	40	0	79.6	24.5-122	0			
Naphthalene	25.29	10	40	0	63.2	32.8-89.8	0			
N-Nitrosodi-n-propylamine	21.58	10	40	0	53.9	27.1-84.2	0			
Pentachlorophenol	27.3	10	40	0	68.2	34.1-130	0			
Phenanthrene	30.96	0.20	40	0	77.4	44.5-109	0			
Phenol	12.51	10	40	0	31.3	17.5-68	0			
Pyrene	34.74	0.20	40	0	86.8	40.9-131	0			
Surr: 2,4,6-Tribromophenol	69.58	0	80	0	87	9.92-114	0			
Surr: 2-Fluorobiphenyl	29.42	0	40	0	73.5	31.5-129	0			
Surr: 2-Fluorophenol	39.84	0	80	0	49.8	12-89	0			
Surr: 4-Terphenyl-d14	33.75	0	40	0	84.4	38.3-160	0			
Surr: Nitrobenzene-d5	33.49	0	40	0	83.7	28-120	0			
Surr: Phenol-d6	26.18	0	80	0	32.7	4.27-70.1	0			

The following samples were analyzed in this batch: 24060880-01B 24060880-02B 24060880-03B  
 24060880-04B

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Partners Environmental Consulting, Inc.  
 Work Order: 24060880  
 Project: Former Leake Oil; 448 E Taggart St. East Palestine

# QC BATCH REPORT

Batch ID: **R231317** Instrument ID **VMS6** Method: **SW8260B**

MBLK	Sample ID: <b>MBLK-R231317</b>		Units: <b>µg/L</b>		Analysis Date: <b>7/2/2024 01:41 AM</b>					
Client ID:	Run ID: <b>VMS6_240701B</b>		SeqNo: <b>3439283</b>		Prep Date:		DF: <b>1</b>			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1,2-Tetrachloroethane	ND	5.0								
1,1,1-Trichloroethane	ND	5.0								
1,1,2,2-Tetrachloroethane	ND	5.0								
1,1,2-Trichloroethane	ND	5.0								
1,1-Dichloroethane	ND	5.0								
1,1-Dichloroethene	ND	5.0								
1,1-Dichloropropene	ND	5.0								
1,2,3-Trichlorobenzene	ND	5.0								
1,2,3-Trichloropropane	ND	5.0								
1,2,4-Trichlorobenzene	ND	5.0								
1,2,4-Trimethylbenzene	ND	5.0								
1,2-Dibromo-3-chloropropane	0.105	0.20								J
1,2-Dibromoethane	ND	0.050								
1,2-Dichlorobenzene	ND	5.0								
1,2-Dichloroethane	ND	5.0								
1,2-Dichloropropane	ND	5.0								
1,3,5-Trimethylbenzene	ND	5.0								
1,3-Dichlorobenzene	ND	5.0								
1,3-Dichloropropane	ND	5.0								
1,4-Dichlorobenzene	ND	5.0								
2,2-Dichloropropane	ND	5.0								
2-Butanone	ND	50								
2-Chlorotoluene	ND	5.0								
2-Hexanone	ND	5.0								
4-Chlorotoluene	ND	5.0								
4-Methyl-2-pentanone	ND	5.0								
Acetone	ND	50								
Benzene	ND	5.0								
Bromobenzene	ND	5.0								
Bromochloromethane	ND	5.0								
Bromodichloromethane	ND	5.0								
Bromoform	ND	5.0								
Bromomethane	ND	5.0								
Carbon disulfide	ND	5.0								
Carbon tetrachloride	ND	5.0								
Chlorobenzene	ND	5.0								
Chloroethane	ND	5.0								
Chloroform	ND	5.0								
Chloromethane	ND	5.0								
cis-1,2-Dichloroethene	ND	5.0								
cis-1,3-Dichloropropene	ND	5.0								
Dibromochloromethane	ND	5.0								

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

**Client:** Partners Environmental Consulting, Inc.  
**Work Order:** 24060880  
**Project:** Former Leake Oil; 448 E Taggart St. East Palestine

# QC BATCH REPORT

Batch ID: <b>R231317</b>	Instrument ID <b>VMS6</b>	Method: <b>SW8260B</b>					
Dibromomethane	ND	5.0					
Dichlorodifluoromethane	ND	5.0					
Ethylbenzene	ND	5.0					
Hexachlorobutadiene	ND	5.0					
Isopropylbenzene	ND	5.0					
m,p-Xylene	ND	10					
Methyl tert-butyl ether	ND	5.0					
Methylene chloride	ND	5.0					
Naphthalene	ND	5.0					
n-Butylbenzene	ND	5.0					
n-Propylbenzene	ND	5.0					
o-Xylene	ND	5.0					
p-Isopropyltoluene	ND	5.0					
sec-Butylbenzene	ND	5.0					
Styrene	ND	5.0					
tert-Butylbenzene	ND	5.0					
Tetrachloroethene	ND	5.0					
Toluene	ND	5.0					
trans-1,2-Dichloroethene	ND	5.0					
trans-1,3-Dichloropropene	ND	5.0					
Trichloroethene	ND	5.0					
Trichlorofluoromethane	ND	5.0					
Vinyl chloride	ND	2.0					
Xylenes, Total	ND	15					
<i>Surr: 4-Bromofluorobenzene</i>	52.84	0	50	0	106	61-131	0
<i>Surr: Dibromofluoromethane</i>	49.29	0	50	0	98.6	72-137	0
<i>Surr: Toluene-d8</i>	47.64	0	50	0	95.3	93.7-124	0

DRAFT

**Note:** See Qualifiers Page for a list of Qualifiers and their explanation.

**Client:** Partners Environmental Consulting, Inc.  
**Work Order:** 24060880  
**Project:** Former Leake Oil; 448 E Taggart St. East Palestine

# QC BATCH REPORT

Batch ID: **R231317**      Instrument ID **VMS6**      Method: **SW8260B**

LCS		Sample ID: <b>LCS-R231317</b>				Units: <b>µg/L</b>		Analysis Date: <b>7/2/2024 12:16 AM</b>		
Client ID:		Run ID: <b>VMS6_240701B</b>			SeqNo: <b>3439280</b>		Prep Date:		DF: <b>1</b>	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	57.48	5.0	50	0	115	48.4-140	0			
1,1-Dichloroethane	53.64	5.0	50	0	107	45.5-150	0			
1,2-Dichloroethane	52.29	5.0	50	0	105	46.5-141	0			
1,3-Dichlorobenzene	54.11	5.0	50	0	108	42.5-133	0			
1,4-Dichlorobenzene	52.48	5.0	50	0	105	38.9-136	0			
Benzene	43.61	5.0	50	0	87.2	50.7-134	0			
Carbon tetrachloride	53.66	5.0	50	0	107	45.5-143	0			
Chlorobenzene	50.08	5.0	50	0	100	45-133	0			
Chloroform	55.78	5.0	50	0	112	52.4-136	0			
cis-1,2-Dichloroethene	56.64	5.0	50	0	113	49.7-138	0			
Ethylbenzene	48.58	5.0	50	0	97.2	37.8-145	0			
m,p-Xylene	109.6	10	100	0	110	25.1-163	0			
Methyl tert-butyl ether	43.13	5.0	50	0	86.3	26.7-174	0			
Styrene	51.62	5.0	50	0	103	26.3-172	0			
Tetrachloroethene	36.53	5.0	50	0	73.1	37.3-139	0			
Toluene	51.4	5.0	50	0	103	44-135	0			
Trichloroethene	50.7	5.0	50	0	101	45.9-140	0			
Xylenes, Total	162.9	15	150	0	109	47.3-132	0			
<i>Surr: 4-Bromofluorobenzene</i>	44.38	0	50	0	88.8	61-131	0			
<i>Surr: Dibromofluoromethane</i>	50.04	0	50	0	100	72-137	0			
<i>Surr: Toluene-d8</i>	46.95	0	50	0	93.9	93.7-124	0			

DRAFT

**Note:** See Qualifiers Page for a list of Qualifiers and their explanation.

**Client:** Partners Environmental Consulting, Inc.  
**Work Order:** 24060880  
**Project:** Former Leake Oil; 448 E Taggart St. East Palestine

# QC BATCH REPORT

Batch ID: **R231317**      Instrument ID **VMS6**      Method: **SW8260B**

MS		Sample ID: <b>24060806-22A MS</b>				Units: <b>µg/L</b>		Analysis Date: <b>7/2/2024 12:35 AM</b>		
Client ID:		Run ID: <b>VMS6_240701B</b>		SeqNo: <b>3439281</b>		Prep Date:		DF: <b>1</b>		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	61.98	5.0	50	0	124	40.4-134		0		
1,1-Dichloroethene	58.99	5.0	50	0	118	45.3-151		0		
1,2-Dichloroethane	52.62	5.0	50	0	105	37-139		0		
1,3-Dichlorobenzene	54.92	5.0	50	0	110	42.9-121		0		
1,4-Dichlorobenzene	53.22	5.0	50	0	106	53.4-129		0		
Benzene	45.94	5.0	50	0	91.9	37.4-144		0		
Carbon tetrachloride	59.61	5.0	50	0	119	33.8-150		0		
Chlorobenzene	49.66	5.0	50	0	99.3	52.4-132		0		
Chloroform	58.89	5.0	50	0	118	45.5-135		0		
cis-1,2-Dichloroethene	59.19	5.0	50	0	118	35.2-150		0		
Ethylbenzene	48.96	5.0	50	0	97.9	46.5-146		0		
m,p-Xylene	112.1	10	100	0	112	38.2-167		0		
Styrene	51.33	5.0	50	0	103	20.9-184		0		
Tetrachloroethene	38.84	5.0	50	0	77.7	55.2-134		0		
Toluene	53.45	5.0	50	0	107	32.7-140		0		
Trichloroethene	49.34	5.0	50	0	98.7	29.1-153		0		
Xylenes, Total	168.9	15	150	0	113	43.6-148		0		
<i>Surr: 4-Bromofluorobenzene</i>	49.72	0	50	0	99.4	61-131		0		
<i>Surr: Dibromofluoromethane</i>	50.25	0	50	0	100	72-137		0		
<i>Surr: Toluene-d8</i>	47.64	0	50	0	95.3	93.7-124		0		

DRAFT

**Note:** See Qualifiers Page for a list of Qualifiers and their explanation.





# ALS Environmental

Date: 09-Jul-24

**Client:** Partners Environmental Consulting, Inc.  
**Project:** Former Leake Oil; 448 E Taggart St. East Palestine  
**WorkOrder:** 24060880

## QUALIFIERS, ACRONYMS, UNITS

---

<u>Qualifier</u>	<u>Description</u>
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte detected below quantitation limit
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL

<u>Acronym</u>	<u>Description</u>
DUP	Method Duplicate
E	EPA Method
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
MQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitation Limit
SDL	Sample Detection Limit
SW	SW-846 Method

<u>Units Reported</u>	<u>Description</u>
µg/L	

DRAFT

Sample Receipt Checklist

Client Name: **PARTNERS-SOLON**

Date/Time Received: **22-Jun-24 10:15**

Work Order: **24060880**

Received by: **AB1**

Checklist completed by **Alec Bolender**

22-Jun-24

Reviewed by: **Rob Nieman**

26-Jun-24

eSignature

Date

eSignature

Date

Matrices: **water**

Carrier name: **FedEx**

Shipping container/cooler in good condition? Yes  No  Not Present

Custody seals intact on shipping container/cooler? Yes  No  Not Present

Custody seals intact on sample bottles? Yes  No  Not Present

Chain of custody present? Yes  No

Chain of custody signed when relinquished and received? Yes  No

Chain of custody agrees with sample labels? Yes  No

Samples in proper container/bottle? Yes  No

Sample containers intact? Yes  No

Sufficient sample volume for indicated test? Yes  No

All samples received within holding time? Yes  No

Container/Temp Blank temperature in compliance? Yes  No

Sample(s) received on ice? Yes  No

Temperature(s)/Thermometer(s): **4.1** **120489**

Cooler(s)/Kit(s):

Date/Time sample(s) sent to storage:

Water - VOA vials have zero headspace? Yes  No  No VOA vials submitted

Water - pH acceptable upon receipt? Yes  No  N/A

pH adjusted? Yes  No  N/A

pH adjusted by:

Login Notes:

Client Contacted:

Date Contacted:

Person Contacted:

Contacted By:

Regarding:

Comments:

CorrectiveAction:

**APPENDIX D  
PREVIOUS REPORTS**

**DRAFT**

VAP Phase I Property Assessment

*Former Triple L Trucking Co., Inc.*

---

448 East Taggart Street  
East Palestine, Ohio



Prepared For:

Willard and Beverly Leake  
c/o William Hubbard  
Thompson Hine LLP  
3900 Key Center  
127 Public Square  
Cleveland, Ohio 44114

January 2024

**BURGESS & NIPLE**

**VAP PHASE I PROPERTY ASSESSMENT**

**FORMER TRIPLE L TRUCKING CO., INC.  
448 EAST TAGGART STREET  
EAST PALESTINE, OHIO**

**PREPARED FOR:  
WILLAM AND BEVERLY LEAKE  
c/o WILLIAM HUBBARD  
THOMPSON HINE LLP  
3900 KEY CENTER  
127 PUBLIC SQUARE  
CLEVELAND, OHIO 44114**

**FEBRUARY 2024**

**PREPARED BY:**

**BURGESS & NIPLE, INC.  
ENGINEERS • ENVIRONMENTAL SCIENTISTS • GEOLOGISTS  
330 RUSH ALLEY | SUITE 700  
COLUMBUS, OHIO 43215**

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## 1.0 INTRODUCTION (OAC 3745-300-06(G)(1))

### 1.1 General

Burgess & Niple, Inc. (B&N) was authorized by William and Beverly Leake c/o William Hubbard Thompson Hine LLP to prepare a Voluntary Action Program (VAP) Phase I Property Assessment (PA) for a property located at 448 East Taggart Street, East Palestine, Columbiana County, Ohio 44413. This area (hereafter, the "Property") consists of 1.33 acres located within parcel numbers 68-00528.000, 68-02548.000, 68-02547.000, and 68-02546.000 in Columbiana County. The Property is bounded by East Taggart Street to the south, railroad line to the north, and residential properties to the west and east of the Property. The Property evaluated by this VAP is currently a vacant former bulk petroleum and former service station facility, two structures north of East Taggart Street and five (four existing and one removed) aboveground storage tanks and support equipment i.e., pumping, and aboveground piping.

The area surrounding the Property is primarily residential with some commercial land use. A few businesses surround the Property including: CeramSource, Inc. directly to the west, Strohecker Incorporated to the northeast, and Velez Engines to the east.

The Property was known as Former Triple L Trucking Co. which operated as a bulk petroleum storage facility. The Property has four existing petroleum-product aboveground storage tanks (ASTs) located on the north side of Sulphur Creek. There was aboveground piping running from the aboveground tanks to a pumphouse building on the west side of the Property. The aboveground piping was properly abandoned in a voluntary manner in August 2023 by the Owner to remove the possibility of the aboveground piping to be impacted by a fallen tree or flood event and remove potential of a possible release into Sulphur Creek.

The investigation conducted for the Property is consistent with the requirements for a VAP Phase I PA set forth under Ohio Administrative Code (OAC) 3745-300-06. As defined in this rule, the purpose of the Phase I PA is to "determine whether there is any reason to believe that a release or potential release of hazardous substances or petroleum have or may have occurred on, underlying, or are emanating from a property including any release from management, handling, treatment, storage, or disposal activities from on- or off-property activities" (OAC 3745-300-06(A)). This VAP Phase I PA includes the results of a database search of federal, state, and local records; historical and current Property information

obtained as a result of coordination with federal, state, and local regulatory agencies; and detailed observations on the Property obtained through inspections, interviews, and review of reasonably available historical records.

A review of historical records and past reports on the Property and surrounding areas identified evidence of aboveground and underground storage tanks on the Property. Several documents from the Division of State Fire Marshal were obtained through public information request. The documents contained closure and removal forms for underground tanks located on the Property. The documents range in dates from 1994 through 2023. The letters are summarized in **Section 5.3.3**.

Historical information indicates the potential release of hazardous or petroleum chemicals in soil and groundwater on the Property. Identified Areas (IAs) have been preliminarily defined based on portions of the Property where historical activities or operations involving the use and storage, of petroleum products occurred. IAs and chemicals of concern (COCs) associated with the Property are summarized at the end of this report in **Section 9.0**.

The results of this Phase I PA indicate that a VAP Phase II PA is required to define the nature and extent of potential impacts to soil and groundwater across the Property. This work is required before a No Further Action (NFA) letter can be issued by a VAP-Certified Professional (CP), however, the intention of the Owner is to seek Bureau of Underground Storage Tank Regulations (BUSTR) closure (NFA), as was agreed upon with Ohio Environmental Protection Agency (EPA) Division of Environmental Response and Revitalization (DERR). The following sections of this report provide general information regarding the VAP Phase I PA as required in OAC 3745-300-06(G).

## **1.2 Dates of Investigation (OAC 3745-300-06(G)(1))**

Mr. Tom Mignery of B&N performed a walkthrough inspection of the entire Property on multiple days between April 2023 and October 2023. His last visit was on October 9, 2023. Mr. Mark Pennell, also visited the site multiple times between April 2023 and January 2024, as a result of addressing existing BUSTR protocol requirements related to the discovery of a 1,000-gallon underground storage tank (UST) near the former pump house.

### 1.3 Volunteer Name and Address

The volunteer for the Property is:

Willard and Beverly Leake  
c/o William Hubbard  
Thompson Hine LLP  
3900 Key Center  
127 Public Square  
Cleveland, Ohio 44114

### 1.4 Project Personnel (OAC 3745-300-06(G)(1))

The following B&N personnel, listed below in **Table 1**, were responsible for conducting investigations at the Property and completing this VAP Phase I PA.

**Table 1**  
**Project Personnel**

Name	Position	General Duties
Mr. Tom Mignery	Ohio EPA VAP CP	Project Oversight, Report Editing, Site Inspection, and Review
Mr. Seth Swearingen	Environmental Professional/Geologist	Data Evaluation and Report Preparation
Mr. Mark Pennell	Senior Hydrogeologist	Project Manager

EPA = Environmental Protection Agency; VAP = Voluntary Action Program; CP = Certified Professional

### 1.5 Limitations (OAC 3745-300-06(G)(8))

Access to the Property was provided on Wednesday, March 29, 2023.

No data gaps were encountered during this VAP Phase I PA. It should be noted that the owners are elderly and were not available for interviews. Therefore, their children, Denise Pickett and Will and Jeff Leake provided information regarding the history of the property. It was clear that the Leake's never operated this site as a service station, nor used the petroleum products in the USTs and ASTs.

In accordance with OAC 3745-300-06, this VAP Phase I PA does not include the evaluation of environmental issues that require specialized services such as wetland surveys or delineation, evaluation of the potential for radon gas, or evaluation for lead paint or asbestos. In addition, it does not include the sampling of any media. Due diligence, with respect to file reviews, was performed in accordance with OAC 3745-300-06.

## **1.6 Current and Intended Use of Property (OAC 3745-300-06(G)(1))**

The Property assessed under this VAP Phase I PA is currently vacant and unoccupied. The intended use of the Property is unknown, but anticipated as commercial/industrial.

**DRAFT**

## 2.0 DESCRIPTION OF PROPERTY

### 2.1 Location of Property (OAC 3745-300-6(G)(1))

The Property is comprised of 1.33 acres of land within parcel numbers 68-00528.000, 68-02548.000, 68-02547.000, and 68-02546.000. The Property is located north of East Taggart Street, south of Sulphur Run, and approximately 0.40 mile east of North Market Street along East Taggart Street in East Palestine, Ohio.

The specific location of the Property is shown on the U.S. Geological Survey (USGS) quadrangle for East Palestine, Ohio - Pennsylvania, as shown in **Figure 1** in **Appendix A** (all figures are located in **Appendix A**). A detailed aerial photograph depicting the Property and major physical features of the adjacent properties is shown in **Figure 2**.

### 2.2 Legal Description (OAC 3745-300-06(C)(1)(b))

A legal description for the entire Property investigated as part of this Phase I PA was provided by the Columbiana County Recorder and is included in **Appendix C**.

### 2.3 Setting

The Property is located approximately 0.40 mile east of East Palestine, Columbiana County, Ohio. The following sections summarize the topographic setting of the Property, as well as the known geological and hydrological conditions, which could potentially affect the distribution of possible COCs at the Property.

#### 2.3.1 Topographic Setting

A copy of the topographic quadrangle map depicting the Property, East Palestine Quadrangle (U.S. Geological Survey, 2019), is included as **Figure 4** in **Appendix A**. The Property is shown as being in East Palestine, Ohio. The Property is located east of Market Street (State Route [SR] 165/170), south of Sulphur Run, north of East Taggart Street (SR 165), and west of the Ohio/Pennsylvania state line. The average elevation across the Property is approximately 1,020 feet above mean sea level (amsl). The principal surface drainage feature



is the Sulphur Run which flows east to west along the northside of the property boundary. Sulphur Run flows into Leslie Run west of the Property on the southeast side of East Palestine, Ohio.

### 2.3.2 Geologic and Hydrologic Setting

According to the *Physiographic Regions of Ohio* Map (Brookman, 1998), the Property is located in the Killbuck-Glaciated Pittsburgh Plateau. This region is characterized by ridges and flat uplands covered with thin drift and dissected by steep valleys. Valley segments alternate between broad drift-filled and narrow rock-walled reaches. This region has an elevation ranging from 600 to 1,505 feet amsl with moderate relief. The geology of the region consists of thin to thick Wisconsinan-age clay to loam till over Mississippian and Pennsylvanian-age shales, sandstones, conglomerates, and coals.

The Ohio Department of Natural Resources (ODNR), Division of Water Groundwater Resource Map for Columbiana County identifies the Property near or within an area of a permeable sand and gravel aquifer with deposits over 100 feet thick. However, based upon the soil borings, excavations, and observations in the adjacent streambed, the site is underlain by residual soils and shallow, fine grained alluvial deposits comprised primarily of silt and clay, with estimated depth to bedrock of less than 20 feet below ground surface (bgs). Groundwater yields from these shallow alluvial deposits is minimal. Recharge rates to the existing monitoring wells and groundwater extraction trench are very slow.

### 2.3.3 Surficial and Bedrock Geology

According to the *Custom Soil Resource Report for Columbiana County, Ohio* (United States Department of Agriculture, 2023), soil types found on the Property are listed in **Table 2** below. A copy of the Soil Report is provided in **Appendix B**.

**Table 2**  
**Soil Types**

Soil Unit Name	Map Abbreviation	Characteristics
Urban land-Chili complex, 2 to 6 percent slopes	UvB	The Urban land-Chili complex, 2 to 6 percent slope component makes up 100 percent of the map unit. Slopes are 2 to 6 percent. This component is on kames and stream terraces. The parent material consists of Glaciofluvial outwash. Depth to a restrictive layer is more than 80 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high to high. Available water to a depth of 60 inches (or restricted depth) is moderate. This soil is not flooded. It is not ponded. This soil does not meet hydric criteria.

The *Bedrock Geologic Map of Ohio* (Ohio Division of Geological Survey, 2006 [Revised 2017]) identifies the underlying geology as consisting of the Pennsylvanian-age Sedimentary rocks mainly sandstone, siltstone, shale, and conglomerate with some coal and limestone.

## 2.4 Utilities and Other General Site Improvements

The Property was developed for commercial purposes. Utilities provided to the Property include water, sewer, stormwater, and electric. Public water is provided by Village of East Palestine. Sewer and stormwater utilities are on the Property supplied by the Village of East Palestine. The electrical utility is supplied by Ohio Edison.

## 2.5 Historical Land and Building Use (OAC 3745-300-06(C)(1)(a))

A review of historical information for the Property was conducted to identify past land uses that may have contributed to environmental concerns. To determine the historical uses of the Property, agency files, historic property transfers, historical topographic maps, previous environmental reports, and aerial photographs were reviewed. Information obtained from these and other available resources as it relates to use of the Property is summarized in the following sections.

The Property operated as a bulk petroleum-product storage and distribution site. Three steel USTs were installed with piping, filling, and refilling ports. Four existing ASTs are located on the north side of Sulphur Run. The ASTs, filling/pump house, truck garage, and underground piping also remain on the Property which is now defunct.

## 2.6 Facility Building Summary

Currently, two fixed structure exists on the Property. The Property contains a truck garage, filling/pump house, five (four existing and one removed) ASTs north of Sulphur Run, aboveground piping, and underground piping.

The available parcel records for parcels 68-00528.000, 68-02548.000, 68-02547.000, and 68-02546.000 are provided in **Appendix C**.

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### **3.0 PHASE I PROCEDURES (OAC 3745-300-06(G)(6))**

The completed procedures of the VAP Phase I PA adhere to the Ohio EPA VAP requirements as set forth in OAC 3745-300-06 which are described below.

#### **3.1 Review of Physical Site Setting**

A review of the physical site setting was completed by reviewing maps and publications with information on the topography, geology, soils, and hydrogeology of the Property and surrounding area. Information reviewed included USGS topographic maps (historical and current), United States Department of Agriculture (USDA) soil survey mapping of Columbiana County, ODNR bedrock topography maps, USGS bedrock geology maps, and groundwater resource maps for Columbiana County and is previously discussed in **Section 2.3**.

#### **3.2 Historical Records Review**

B&N developed the land use history for the Property and surrounding area by consulting available Property information. The historical timetable of developments on the Property and in the surrounding area was also determined by consulting available historical aerial photographs.

#### **3.3 Records Review and Environmental Database Report**

The evaluation of environmental records involved a review of databases to identify incidents that may have occurred on the Property and to determine the Property's proximity to known or suspected areas of potential environmental concern. The agencies contacted are detailed in **Table 3** below.

**Table 3**  
**Agency Correspondence**

Agency	Method Of Contact	Date Sent	Response Received
U.S. EPA	Online FOIA search: <a href="https://enviro.epa.gov/facts/myproperty/">https://enviro.epa.gov/facts/myproperty/</a>	5/3/2023	5/3/2023 - No records for the Property
Ohio EPA	Ohio EPA online eDocument search: <a href="https://edocpub.epa.ohio.gov/publicportal/edochome.aspx">https://edocpub.epa.ohio.gov/publicportal/edochome.aspx</a>  Ohio EPA Northeast District Office (NEDO) - Nicole Patella; nicole.patella@epa.ohio.gov	5/3/2023	5/22/2023 - No Records for the Property
State Fire Marshall - BUSTR	Online FOIA Request <a href="https://apps.com.ohio.gov/fire/OTTER">https://apps.com.ohio.gov/fire/OTTER</a>	5/3/2023	5/5/2023- Records for the Property
East Palestine Fire Department	FOIA email - Fire Chief Keith A. Drabick k.a.drabick@eastpalestine-oh.gov	5/3/2023	5/9/2023 - No records for the Property
Columbiana County Health Department	FOIA Email - lbarnes@columbiana-health.org	5/3/2023	5/5/2023 - No records for the Property

FOIA = Freedom of Information Act; EPA = Environmental Protection Agency; NEDO = Southwest District Office; BUSTR = Bureau of Underground Storage Tank Regulations; LEPC = Local Emergency Planning Committee; FUDS = Formerly Used Defense Sites; DERP = Defense Environmental Restoration Program; ACE = Army Corps of Engineers

Records reviewed from the agencies listed above are discussed in **Section 5.3**.

### 3.4 Interviews, Agency Consultation, and File Reviews

Freedom of Information Act (FOIA) requests were submitted to various agencies to request available records related to the Property and past operations. Discussion and responses received from the various agencies are described in **Section 5.3**.

B&N conducted multiple interviews during the conduct of this Phase I. The people interviewed were Denise Pickett, and Will and Jeff Leake, children of the current owner of the Property. Interviews conducted during this VAP Phase I PA are presented in **Section 6.0**.

### 3.5 Property Inspection and Determination of Identified Areas (IAs)

An inspection was conducted by Mr. Tom Mignery in accordance with VAP requirements on October 6, 2023. It should be noted that multiple Property inspections were performed and serve to identify potential environmental concerns, or “Identified Areas,” as defined in 3745-300-06(E).

The Property inspection was initiated at on Wednesday, March 29, 2023 and throughout January 2024. Following a more thorough walkover of the Property, wherein motor oil stained concrete floor was observed in the garage structure on the Property and de minimus conditions were observed in the garage, and the location of the former UST locations were identified and delineated as an Identified Area. The two former UST area has no surficial evidence, i.e., aboveground piping, refilling ports and distribution nozzles, verifying its location. The surrounding properties were visually inspected from the Property. Several environmental concerns on adjacent properties were observed based on the review of existing documents, recollections, and site inspections. Several IAs were observed during the Property inspection and historical records reviews and are further discussed in **Section 9.0** of this report. A map depicting the IAs is also included as **Figure 3** in **Appendix A**.

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## 4.0 HISTORIC AND CURRENT USES OF THE PROPERTY (OAC 3745-300-06(C)(1)(a))

The history of the Property was investigated by reviewing city directories, historical topographic maps, historical aerial photographs, previous environmental reports, chain-of-title, and environmental agency records for the Property.

The Property operated as a bulk petroleum-product storage and distribution site. Three steel USTs were installed with piping, filling, and refilling ports. Four ASTs are located on the north side of Sulphur Run with aboveground piping running to the filling/pump house on the south side of Sulphur Run to the west of the truck service garage. At the time of the initial site visit, the ASTs, aboveground piping, filling/pump house, truck garage, and underground piping also remained on the Property. The aboveground piping from the ASTs to the pumphouse was removed in June 2023.

Sources of historic information and summaries of specific observations on the Property obtained from these resources are included in the following sections.

### 4.1 City Directory

City Directories for the years 1950, 1965, 1968, 1975, 1981, 1986, 1992, 1995, 2000, 2005, 2010, 2014, 2017, and 2020 were obtained for review of the Property and surrounding properties from Environmental Data Resources, Inc. (EDR). **Table 4** below outlines the city directory listings for commercial properties at or near the Property. Property listings are available for review within the EDR City Directory Abstract provided in **Appendix D**.

**Table 4**  
**City Directories**

Address	Year	Listing
448 East Taggart St	2005, 2010, 2014, 2017	J B Cars
448 Taggart E	1975, 1981, 1986	No business listed



## 4.2 Chain of Title

Chain of Title and details on the sale history for the Property are available in the summary document and supporting records contained in **Appendices C and H**.

## 4.3 Historical U.S. Geological Survey (USGS) Topographic Map Review

Historical Topographic Maps of the Property for the years 1907, 1909, 1960, 1971, 1978, 1990, 1994, 2013, 2016, and 2019 were provided by EDR. **Table 5** summarizes changes in Property use over time as developed from a review of historic topographic maps. A copy of the full Historical Topographic Map Report is provided in **Appendix E**.

**Table 5**  
**Historic USGS Topographic Map Review**

Map Year	Map Name	Comments
1907	Columbiana, 1907, 15-minute	The 1907 topographic map depicts the Property. The Property is situated south of the railroad line that runs east to west through East Palestine and north of E Taggart St. Sulphur Run flows through the Property in an east to west direction towards Lesile Run. The Property appears to lie between 1,000 feet above mean sea level (amsl) and 1,020 feet amsl. There appears to be no structures shown on the Property.
1909	Columbiana, 1909, 15-minute	The 1909 topographic map depicts the Property area and appears similar to the 1907 topographic map.
1960	East Palestine, 1960, 7.5-minute	The 1960 topographic map depicts the Property. The Property is situated south of the railroad line that runs east to west through East Palestine and north of E Taggart St. Sulphur Run flows through the Property in an east to west direction towards Lesile Run. The Property appears to lie around 1,020 feet amsl. There appears to be two (2) structures shown on the Property north of Taggart Street.
1971	East Palestine, 1971, 7.5-minute	The 1971 topographic map depicts the Property. The Property is situated south of the railroad line that runs east to west through East Palestine and north of E Taggart St. Sulphur Run flows through the Property in an east to west direction towards Lesile Run. The Property appears to lie around 1,020 feet amsl. There appears to be two (2) structures shown on the Property north of Taggart Street. There appears to be one (1) structure shown north of Sulphur Run and south of the railroad on the Property.
1978	East Palestine, 1978, 7.5-minute	The 1978 topographic map depicts the Property area and appears similar to the 1971 topographic map.

Map Year	Map Name	Comments
1990	East Palestine, 1990, 7.5-minute	The 1990 topographic map depicts the Property area and appears similar to the 1978 topographic map.
1994	East Palestine, 1994, 7.5-minute	The 1994 topographic map depicts the Property area and appears similar to the 1990 topographic map.
2013	TP, East Palestine, 2013, 7.5-minute	The 2013 topographic map appears similar to the 1994 topographic map. The only significant change almost all the structures around the Property have been removed and the shade of color used on previous maps has been lightened.
2016	TP, East Palestine, 2016, 7.5-minute	The 2016 topographic map appears similar to the 2013 topographic map.
2019	TP, East Palestine, 2019, 7.5-minute	The 2019 topographic map appears similar to the 2016 topographic map.

#### 4.4 Historical Sanborn Map Review

The Historical Sanborn Maps provided by EDR did not show the Property. An excerpt of the Sanborn Map Report for the years 1915, 1926, and 1947 are provided in **Appendix F**.

#### 4.5 Historical Aerial Photograph Review

Historical aerial photographs of the Property for the years 1939, 1952, 1960, 1967, 1971, 1976, 1983, 1989, 1993, 1994, 2002, 2005, 2008, 2011, 2015, and 2019 were provided by EDR. A copy of the EDR Historical Aerial Photography Report is provided in **Appendix G**. A summary of observations for the Property as determined from review of these photographs is presented in **Table 6** below.

**Table 6**  
**Aerial Photograph Review**

Map Year	Comments
1939	The 1939 aerial image depicts the Property and surrounding areas. The Property is situated at the south of the railroad line that runs east to west through East Palestine and to the north of East Taggart Street. Sulphur Run flows east to west through the Property towards Leslie Run. The Property is north of East Taggart Street. There appears to be several structures are situated on the north end of the Property. Multiple of the structures appear to be circular. There appears to be two (2) structures on the south end. The surrounding properties appear to be used for residential and commercial/industrial purposes.

Map Year	Comments
1952	The 1952 aerial image depicts the Property and surrounding areas. The Property is situated at the south of the railroad line that runs east to west through East Palestine and to the north of East Taggart Street. Sulphur Run flows east to west through the Property towards Lesile Run. The Property is north of East Taggart Street. There appears to be five (5) structures are situated on the north end of the Property. Four (4) of the structures appear to be circular and most likely are the four vertical ASTs, while there is a fifth AST that is horizontal. There appears to be two (2) structures on the south end. The surrounding properties appear to be used for residential and commercial/industrial purposes.
1960	The 1960 aerial image appears similar to the 1952 aerial image, though of poorer image quality. The image is too grainy to see detail.
1967	The 1967 aerial image appears similar to the 1960 aerial image, though of poorer image quality. The image is too grainy to see detail.
1971	The 1971 aerial image appears similar to the 1967 aerial image, though of poorer image quality. The image is too grainy to see detail.
1976	The 1976 aerial image appears similar to the 1971 aerial image, though of poorer image quality. The image is too grainy to see detail.
1983	The 1983 aerial image depicts the Property and surrounding areas. The Property is situated at the south of the railroad line that runs east to west through East Palestine and to the north of East Taggart Street. Sulphur Run flows east to west through the Property towards Lesile Run. The Property is north of East Taggart Street. There appears to be four (4) structures are situated on the north end of the Property. Three (3) of the structures appear to be circular and most likely are the three remaining vertical ASTs and a fourth AST that is horizontal. There appears to be three (3) structures on the south end. One (1) of the structures appear to be circular. The surrounding properties appear to be used for residential and commercial/industrial purposes.
1989	The 1989 aerial image appears similar to the 1983 aerial image, though of poorer image quality. The image is too grainy to see detail.
1993	The 1993 aerial image appears similar to the 1989 aerial image.
1994	The 1994 aerial image appears similar to the 1993 aerial image.
2002	The 2002 aerial image appears similar to the 1994 aerial image, though of poorer image quality. The image is too grainy to see detail.
2005	The 2005 aerial image appears similar to the 2002 aerial image, though of poorer image quality. The image is too grainy to see detail.
2008	The 2008 aerial image appears similar to the 2005 aerial image, though of poorer image quality. The image is too grainy to see detail.
2011	The 2011 aerial image appears similar to the 2008 aerial image.
2015	The 2015 aerial image appears similar to the 2011 aerial image.
2019	The 2019 aerial image appears similar to the 2015 aerial image.

## 4.6 Previous Environmental Site Assessments (ESAs) and Investigations

No previous ESAs or investigations were conducted on the Property. BUSTR related reports and work were conducted on the Property. Documents can be found in **Appendix K**.

## 4.7 Summary of Historical and Current Property Uses

The Property operated as a bulk petroleum-product storage and distribution site. Three steel USTs were installed with piping, filling, and refilling ports. Four ASTs are located on the north side of Sulphur Run with aboveground piping running to the filling/pump house on the south side of Sulphur Run to the west of the truck service garage. The ASTs, aboveground piping, filling/pump house, truck garage, and underground piping also remain on the Property which is now defunct.

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## 5.0 DATABASE AND AGENCY RECORD REVIEW FOR THE PROPERTY

The following sections of this VAP Phase I PA summarize information obtained through review of an Environmental Database Resources, Inc. (EDR) Database Report prepared for the Property and various agency files provided as a result of FOIA coordination.

### 5.1 Regulatory Database Review (OAC 3745-300-06(C)(2)(c))

B&N contracted with EDR, a commercial database firm, to conduct a search of federal, state, and local databases that may reveal details concerning the Property or activities conducted on immediately adjoining properties. As required by OAC 3745-300-06, additional databases that may contain information related to the Property were searched, with a complete list of records searched presented in **Table 7**.

The database report was used to determine if the Property or any other listed sites within 0.25 miles of the Property are recorded as having had documented or potential environmental concerns. **Table 8** summarizes the sites within 0.25 miles of the Property. A complete report and map identifying all sites in close proximity to the Property is included in the EDR Radius Map Report in **Appendix I**.

**Table 7**  
**Database Summary**

Database Name	Search Radius (Miles)	Database Name	Search Radius (Miles)
NPL	0.5	US FIN ASSUR	TP
Proposed NPL	0.5	EPA WATCH LIST	TP
NPL LIENS	0.5	2020 COR ACTION	0.25
Delisted NPL	0.5	TSCA	TP
Federal Facility	1.0	TRIS	0.5
SEMS	0.5	SSTS	TP
SEMS-ARCHIVE	0.5	ROD	1.0
CORRACTS	1.0	RMP	TP
RCRA-TSDF	0.5	RAATS	TP
RCRA LQG	0.5	PRP	TP
RCRA SQG	0.5	PADS	TP
RCRA-VSQG	0.5	ICIS	TP
LUCIS	0.5	FTIS	TP
US ENG CONTROLS	0.5	MLTS	TP

Database Name	Search Radius (Miles)	Database Name	Search Radius (Miles)
US INST CONTROLS	0.5	COAL ASH DOE	TP
ERNS	0.5	COAL ASH EPA	0.5
SHWS	N/A	PCB TRANSFORMER	TP
DERR	0.5	RADINFO	TP
SWF/LF	0.5	HIST FTTS	TP
LUST	0.5	DOT OPS	TP
INDIAN LUST	0.5	CONSENT	0.5
UNREG L TANKS	0.5	INDIAN RESERV	0.5
FEMA UST	0.25	FUSRAP	1.0
UST	0.5	UMTRA	0.5
AST	0.25	LEAD SMELTERS	TP
INDIAN UST	0.25	US AIRS	TP
STATE HIST ENG CONTROLS	0.5	US MINES	0.5
STATE HIST INST CONTROLS	0.5	ABANDONED MINES	TP
STATE ENG CONTROLS	0.5	FINDS	TP
STATE INST CONTROLS	0.5	DOCKET HWC	TP
VCP	0.5	UXC	1.0
INDIAN VCP	0.5	ECHO	TP
BROWNFIELDS	0.5	FUELS PROGRAM	0.25
US BROWNFIELDS	0.5	AIRS	TP
HIST LF	0.5	ASBESTOS	TP
SWRCY	0.5	COAL ASH	0.5
INDIAN ODI	0.5	CRO	TP
DEBRIS REGION 9	0.5	DRYCLEANERS	0.5
ODI	0.5	Financial Assurance	TP
HIS OPEN DUMPS	0.5	HIST USD	0.5
US HIST CDL	TP	LEAD	TP
CDL	0.5	NPDES	0.5
US CDL	TP	VAPOR	0.5
PFAS	0.5	TOWNGAS	0.5
ARCHIVE UST	0.5	UIC	0.5
LIENS 2	TP	USD	0.5
HMIRS	TP	MINES MRDS	TP
SPILLS	0.5	EDR MGP	1.0
RCRA NonGen / NLR	0.5	EDR Hist Auto	0.25
FUDS	1.0	EDR Hist Cleaner	0.25
DOD	1.0	RGA LF	0.5
SCRD DRY CLEANERS	0.5	RGA LUST	0.5

NPL = National Priority List; NPL LIENS = Federal Superfund Liens; SEMS = Superfund Enterprise Management System; CORRACTS = Corrective Action Report; RCRA = Resource Conservation and Recovery Act; TSDF = Treatment, Storage, and Disposal Facility; LQG = large quantity generator; VSQG = very small quantity generator; LUCIS = Land Use Control Information System; SHWS = State Hazardous Waste Site; LUST = Leaking Underground Storage Tank Listing; UNREG LTANKS = Ohio Leaking UST File; UST = underground storage tank; AST = above-ground storage tank; VCP =

Voluntary Cleanup Program; HIST LF = Old Solid Waste Landfill; SWRCY = Recycling Facility Listing; ODI = Open Dump Inventory; DEBRIS REGION 9 = Torres Martinez Reservation Illegal Dump Site Locations; CDL = Clandestine Drug Lab Locations; PFAS = PFOA & PFOS Site Listing; HMIRS = Hazardous Materials Information Reporting System; DOD = Department of Defense Sites; SCRD DRYCLEANERS = State Coalition for Remediation of Drycleaners Listing; TSCA = Toxic Substances Control Act; TRIS = Toxic Chemical Release Inventory System; SSTS = Section 7 Tracking Systems; ROD = Records of Decision; RMP = Risk Management Plans; RAATS = RCRA Administrative Action Tracking System; PRP = Potentially Responsible Parties; PADS = Polychlorinated Biphenyl Activity Database; ICIS = Integrated Compliance Information System; MLTS = Material Licensing Tracking System; RADINFO = Radiation Information Database; FINDS = Facility Index System/Facility Registry System; UIC = underground injection wells; NPDES = National Pollutant Discharge Elimination System; CRO = Cessation of Regulated Operations; DERR = Division of Emergency & Remedial Response; EDR = Environmental Data Resources, Inc.

**Table 8**  
**Environmental Records Search Results**  
**for the Target and Surrounding Properties within 0.25 miles**

Business Name	Address	Distance (miles)/ Direction Relative to Property	Record Source	Description
Triple L Trucking Inc	448 E Taggart St, East Palestine, OH	TP	OH RGA LUST	RGA LUST: 1995-1999 for Triple L Trucking Inc at 448 E Taggart St.
Triple L Trucking Inc	448 E Taggart St, East Palestine, OH	TP	OH RGA LUST	RGA LUST: 2000-2012 for Triple L Trucking Inc at 448 E Taggart St.
Triple L Trucking Inc	448 E Taggart St, East Palestine, OH	TP	OH Archive UST	Facility Number is 15000113. Facility Type is Trucking/Transport. - Tank ID: T00001. Tank Type not reported. Tank Status is removed. Regulated tank removed on 8/3/1994. - Tank ID: T00002. Tank Type not reported. Tank Status is removed. Regulated tank removed 8/3/1994.
Triple L Trucking Inc	448 E Taggart St, East Palestine, OH 44413	TP	OH LUST OH UST	LUST: - Release Number listed as 15000113-N00001. No Release Date reported. LTF Status listed as 1 SUS/CON from regulated UST. FR Status is NFA: No Further Action. UST:



Business Name	Address	Distance (miles)/ Direction Relative to Property	Record Source	Description
				<ul style="list-style-type: none"> <li>- Tank Number is listed as T00001. Status is REM-Removed. Capacity listed as 1,000 -gallons of Gasoline. Installed on 03/01/1984. Constructed of BM-Bare Metal. Date removed 08/03/1994.</li> <li>- Tank Number is listed as T00002. Status is REM-Removed. Capacity listed as 1,000-gallons of Gasoline. Installed on 02/01/1984. Constructed of BM-Bare Metal. Date removed 08/03/1994.</li> </ul>
Associated Tad Inc	390 E Taggart St, East Palestine, OH 44413	0.015 mi WSW	RCRA-VSQG FINDS ECHO	RCRA EPA ID listed as OHD004209730. Federal Waste Generator Description is Conditionally Exempt Small Quantity Generator. FINDS ID: 110004592566.
Quality Dry Cleaners-H W Phares & Sons Inc	6525 Hulls & Dales Road NW, Canton, OH 44708	0.056 mi SW	OH DRYCLEANERS	Facility ID listed as 1576001270. Operating Status listed as Shut Down. Description listed as Petroleum 140F-Dry Cleaning Equipment. Hoyt Pet-50 Solvent Recovery Dryer.
ER Advanced Ceramics Inc	600 E Clark St, East Palestine, OH 44413	0.090 mi. NE	RCRA-VSQG FINDS ECHO	RCRA EPA ID listed as OHD987045796. Land Type listed as Private. Federal Waste Generator Description is not a generator, verified. Hazardous Waste Summary included Ignitable Waste and spent nonhalogenated solvents. FINDS ID: 110004698729.
Electrical Refractories	N/A, East Palestine, OH	0.155 mi NE	OH Hist LF OH SPILLS	<p>Hist LF:</p> <ul style="list-style-type: none"> <li>- Year Closed was listed as 1977. Waste Type listed as MSW/IW.</li> </ul> <p>SPILLS:</p> <ul style="list-style-type: none"> <li>- A Fuel Oil #4 spill was reported on 04/24/1987 with Spill Number: 8704-15-1273.</li> <li>- A Fuel Oil and Phenol spill was reported on 12/14/1984 with Spill Number: 8412-15-3778.</li> </ul>

Business Name	Address	Distance (miles)/ Direction Relative to Property	Record Source	Description
Compco Metal Products Co No 2	193 E James St, East Palestine, OH 44413	0.193 mi West	RCRA NonGen/NLR FINDS ECHO	RCRA EPA ID listed as OHD130469588. Federal Waste Generator Description is not a generator, verified. Hazardous Waste Summary included Ignitable Waste and spent halogenated solvents. FINDS ID: 110004634352.
WYG Refractories	193 E James St, East Palestine, OH 44413	0.193 mi West	RCRA-VSQG	RCRA EPA ID listed as OHR000219535. Land Type is Private. Federal Waste Generator Description is Conditionally Exempt Small Quantity Generator. Hazardous Waste Summary included Ignitable Waste, Corrosive Waste, and Methyl Ethyl Ketone. NAICS Description is Clay Building Material and Refractories Manufacturing.
Thomas, Carl	189 E Taggart St, East Palestine, OH 44413	0.203 mi West	EDR Hist Cleaner	1969 & 1970 listed as Drycleaning Plants, except rugs.
Jarrett Inc	217 E Clark St, East Palestine, OH 44413	0.221 mi. WNW	RCRA-VSQG FINDS ECHO	RCRA EPA ID listed as OHD987046828. Land Type is Private. Federal Waste Generator Description is Conditionally Exempt Small Quantity Generator. Hazardous Waste Summary included Ignitable Waste, halogenated solvents, and nonhalogenated solvents. FINDS ID: 110004699238.
Steves Mobile Service Station	695 E Taggart St, East Palestine, OH 44413	0.229 mi. East	EDR Hist Auto	Listed as Berresford Gulf Dealer from 1976-1979 and was a Gasoline Service Station. 1980 was listed as Cooks Garage and Berresford Gulf Dealer, was a Gasoline Service Station. 1982 was listed as Steves Mobile Service Station and Berresford Gulf Dealer, was a Gasoline Service Station.

Business Name	Address	Distance (miles)/ Direction Relative to Property	Record Source	Description
				1983 was listed as Berresford Gulf Dealer and Steves Mobile Service Station, was a Gasoline Service Station. 1985-1990 was listed as Steves Mobile Station, was a Gasoline Service Station. 1995 & 1996 was listed as Dans Auto Repair, was a General Automotive Repair Shop. 1997-2008 was listed under Danny Knight, was a General Automotive Repair Shop.
Ward Dry Cleaning	654 E Main St, East Palestine, OH 44413	0.230 mi. SE	EDR Hist Cleaner	2008 was listed as Ward Dry Cleaning, was a Drycleaning plant, except rugs.
Yong Gong LLC	900 E Taggart St, East Palestine, OH 44413	0.244 mi East	SEMS-ARCHIVE CORRACTS RCRA-TSDF US INST CONTROLS OH DERR OH LUST RCRA NonGen/NLR 2020 COR Action NY MANIFEST	See Radius Report.
TUBETUH INC.	900 E Taggart St, East Palestine, OH	0.244 mi East	OH RGA LUST	1995-1999 was listed in RGA LUST database.
M&W Foundry	895 E Taggart Street, East Palestine, OH 44413	0.245 mi East	SEMS	EPA ID: OHN000510085, emergency response.
Blosco Iron & Steel Inc	1000 E Taggart St, East Palestine, OH	0.247 mi East	OH RGA LUST	1999-2012 was listed in RGA LUST database.

Business Name	Address	Distance (miles)/ Direction Relative to Property	Record Source	Description
Blosco Iron & Steel Inc	1000 E Taggart St, East Palestine, OH	0.247 mi East	OH LUST OH UST	LUST: - Release Number listed as 15009560-N00001. No Release Date reported. LTF Status listed as 6 Closure of regulated UST. FR Status is NFA: No Further Action. UST: - Tank Number is listed as T00001. Status is REM-Removed. Capacity listed as 1,000 -gallons of Gasoline. Date removed 01/26/1999.
Blosco Iron & Steel Inc	1000 E Taggart St, East Palestine, OH 44413	0.247 mi East	OH ARCHIVE UST	Facility Number is 15009560. - Tank ID: T00001. Tank Type not reported. Tank Status is removed. Regulated tank removed on 01/26/1999.
Leake Oil Inc	1000 E Taggart, East Palestine, OH 44413	0.247 mi East	RCRA NonGen/NLR FINDS	RCRA EPA ID listed as OHD018006205. Land Type is private. Federal Waste Generator Description is not a generator, verified. Hazardous Waste Summary included Ignitable Waste, Benzene, and Tetrachloroethylene. FINDS ID: 110004603457.

UST = Underground Storage Tanks; LUST = Leaking Underground Storage Tanks; EDR = Environmental Data Resources, Inc.; MGP = Manufactured Gas Plant; RCRA = Resource Conservation and Recovery Act; SQG = small quantity generator; NLR = No Longer Regulated; CESQG = Conditionally Exempt Small Quantity Generator; BUSTR = Bureau of Underground Storage Tank Regulations

After review of the above listed sites, previous spills, historical uses of solvents, and use or storage of other hazardous wastes are within close proximity to the Property and can potentially cause an impact to 448 Taggart Property.

## 5.2 Ohio Department of Natural Resources (ODNR) Well Logs (OAC 3745-300-06(C)(2)(f))

The ODNR Division of Water Resources Well Locator (Water Well Database, 2023) was used to identify groundwater wells located on or near the Property. No water wells were found

on the Property. Three (3) groundwater wells were identified on adjacent of the Property. Details regarding water wells on adjacent properties can be found in **Table 9** below. Copies of the well logs are available in **Appendix J**. We suspect additional monitoring wells have been installed adjacent to the Norfolk Southern Derailment 0.4 miles east of the Property but have not yet been submitted or documented at ODNR.

**Table 9**  
**Water Wells on Adjacent Properties**

ODNR Well ID	Owner	Date Completed	Use
3007035	Norfolk Southern Corp	2023	Monitor
3006812	Norfolk Southern Corp	2023	Monitor
3006901	Norfolk Southern Corp	2023	Monitor

ODNR Division of Oil and Gas well log records were also searched for the Property. No oil or gas well records on the Property were found.

### 5.3 Agency Consultation and Environmental Records Review (OAC 3745-300-06(C)(2)(d)(e))

Consultation with various government agencies and environmental record reviews were conducted to identify available information for the Property and establish a history of site uses and associated environmental concerns. The agencies consulted and the results of these consultations/records reviews are summarized in the following sections. Copies of agency correspondence related to the Property are included in **Appendix K**.

#### 5.3.1 U.S. Environmental Protection Agency (EPA), Region 5

B&N performed four searches under the US EPA online MyProperty database (<https://enviro.epa.gov/facts/myproperty/>) on May 3, 2023, to obtain any potential records related to the Property. No records were found in the MyProperty searches.

### 5.3.2 Ohio EPA, Northeast District Office (NEDO)

B&N performed a search of the Ohio EPA's eDocument database (<https://edocpub.epa.ohio.gov/publicportal/edochome.aspx>) on May 3, 2023, and the search yielded no results for the Property.

### 5.3.3 Division of State Fire Marshal, Bureau of Underground Storage Tank Regulations (BUSTR)

On May 5, 2023, BUSTR responded to the FOIA request with two documents containing closure and removal forms for underground tanks located on the Property. The documents range in dates from 1994 through 2023. The documents from 1994 to 1995 detail the following: a closure assessment report, UST permits, field inspection forms, and site assessment due to a confirmed release. On August 3, 1994, two 1,000-gallon USTs used for gasoline were removed from the Property. Also, the dispenser island and the piping system were removed from the Property as well. The Tank IDs were 275256 and 275251. Both tanks were 20 years old and constructed of steel. The tanks were last used on May 20, 1994, and were used by Insul Co., Inc. The State Fire Marshal's Office reviewed the closure report and determined that a confirmed release occurred on the Property based on residual contamination remained above action levels. A "No Further Action (NFA)" letter was received from BUSTR on August 20, 1996. On April 13, 2023, a third tank was discovered on the Property as a result of other work being done on the Property. BUSTR determined that the third tank was a UST likely regulated by BUSTR. BUSTR stated the status of the site should be LTF1-Tier 1 Source Investigation Required. The 1,000-gallon tank was removed on April 21, 2023, by Buckeye Elm Contracting. The UST had an unknown substance in the tank that was believed to be petroleum in nature. The soil in the tank cavity was stained and was documented as having a petroleum odor.

In addition to the removal of the UST, a groundwater extraction trench was installed downgradient of the former USTs and upgradient of Sulphur Run to provide capture of potential residual impacted groundwater pending completion of final site remediation. B&N has been conducting monthly monitoring, extraction, and disposal. All BUSTR documents can be found in **Appendix H**.

### 5.3.4 Columbiana County Health Department

An information request was sent to the Columbiana County Health District Environmental Clerk Dawn Green on May 3, 2023. A response was received on May 5, 2023, stating no incident reports were found. If pertinent information becomes available after the submittal of this assessment, an addendum letter will be submitted.

### 5.3.5 East Palestine Fire Department

An information request was sent to the East Palestine Fire Department on May 3, 2023. A response was received on May 5, 2023, stating the Village of East Palestine does not have any records for the 448 E Taggart St. If pertinent information becomes available after the submittal of this assessment, an addendum letter will be submitted.

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## **6.0 INTERVIEWS WITH KEY PERSONNEL (OAC 3745-300-06(C)(3))**

During this assessment and on multiple occasions, B&N was able to conduct interviews with persons knowledgeable on the current and past uses of the Property. Information gathered from these interviews is summarized in the following sections.

### **6.1 Interviews with Mr. Will Leake and Denise Pickett - Adult Children of the Property Owners, Willard and Beverly Leake.**

Interviews were conducted on several occasions, beginning with the initial interview on April 7, 2023, and multiple follow-up discussions with one or both of these individuals through August 2023. The following pertinent information was reported:

- The Property has been used as a petroleum products distribution storage site and gas station since the 1930s.
- There were at one time 5 above ground storage tanks on the North Parcel connected to the South Parcel by above ground piping that entered the pump house where different products were distributed to a gas station island and for filling trucks for delivery.
- There were two USTs that stored petroleum products located on the South Parcel that were removed in 1994-1995 prior to the Leakes ownership of the property. An additional unknown UST was discovered in 2023, which the Leakes had no knowledge of being present at the Property. This UST was removed in April 2023, and is currently an active site under BUSTR.
- At the time the Leakes purchased the Property to the present date, there has been no active storage or use of any petroleum products and there was a BUSTR NFA in place related to the removal of two USTs and remediation of related impacted soil in the mid-1990s.
- The Leakes have leased the property to an individual who conducted auto repairs, primarily autobody and painting work.
- There are two monitoring wells on the Property.

## 7.0 PROPERTY INSPECTION (OAC 3745-300-06(C)(4))

### 7.1 Summary of Property Inspection

The Property inspection was conducted by Mr. Tom Mignery and Mr. Mark Pennell on multiple occasions between April 2023 and January 2024.

#### 7.1.1 Interior

The interior of the former service station facility is representative of a typical former service station where there are remnants (cans, pails, spray paint) of paint, empty 55-gallon drums, absorbent socks to contain the potential release of hydrocarbons emanating from the site into Sulphur Creek, windshield wiper fluid, ethylene glycol. Other contents of the facility include a boat and RV.

The former pump house is a small 12'x10' wood framed building which housed the piping, valving, pumps and controls to operate the four above ground storage tanks on the north side of the facility and the former USTs. The pump house is a "crowded" operation of pipes, which allowed of the transfer of gasoline, diesel, kerosene and oil from the four bulk petroleum tanks to delivery trucks, and the operation of the service station pump islands.

#### 7.1.2 Exterior

The exterior identified the former service station and pump house on the South Parcel and four bulk petroleum ASTs on the North Parcel. Initially, there were five aboveground steel 4-inch pipelines connecting the tank farm across Sulphur Run to the pumphouse on the South Parcel. These pipelines have subsequently been removed.

Photographs of the Property documenting conditions during B&N's inspections are included in **Appendix L**.

### 7.1.3 Solid Waste

B&N identified a variety of solid waste within the building, primarily consisting of household waste and including furniture (desks, chairs, shelving), paint cans, spray paint, and several buckets of lubricating oil, typical of a service station for car lubrication.

### 7.1.4 Underground Storage Tanks (USTs) /Aboveground Storage Tanks (ASTs)

Two USTs were removed in 1994-1995 and a No Further Action Letter was issued in 1996 by BUSTR. In addition, a ground penetrating radar (GPR) study was performed in April 2023 by the Leakes to address the potential for any other USTs or buried objects in response to the evidence of residual petroleum product impacts noted by Ohio EPA while responding to the Norfolk Southern train derailment. The GPR survey of the entire property revealed an anomaly, which when investigated, revealed a previously unknown 1,000-gallon steel UST that was. The UST was removed on April 17, 2023 and reported to BUSTR. Interim remedial measures were implemented and monitoring according to BUSTR regulations is currently being conducted. Copies of recent BUSTR reports related to this UST are included in **Appendix M**.

### 7.1.5 Drains/Pits/Sumps

Also, as part of the GPR survey, B&N identified a storm water drain that extends from the drain inlet at the front of the garage building and then to a second drain inlet adjacent the garage bay middle door, and discharges from the south bank of Sulphur Run. In addition, several floor drains were identified within the building, which appear to discharge to the sanitary sewer.

### 7.1.6 Asbestos

Based upon the age of the buildings, there is the potential for asbestos containing material (ACM), although no obvious ACM were readily observed within the former service station building and pump house. These structures will need to be properly abated should the building be demolished in the future.

### **7.1.7 Wells**

According to the ODNR's online well log search tool, historical records, and site observations, there are no water supply wells located on the Property. However, three (3) groundwater monitoring wells were installed on the Property, which were a part of the 1996 BUSTR NFA. Subsequently, through site inspection, GPR survey, and limited excavation, two of the monitoring wells were located and found to remain intact (MW-B and MW-C). Those wells continue to be used to collect groundwater data as part of ongoing BUSTR required monitoring. In addition, there is a sump installed with the groundwater interceptor trench where groundwater is evacuated several times a week to assess the presence of free product, also as part of the ongoing BUSTR monitoring and interim remediation activities.

### **7.1.8 Transformers**

One set of transformers are located on a utility pole in the front or south side of the property along Taggart Street. No evidence of leakage was observed from the transformers.

## **7.2 Hazardous Substance and Petroleum Use/Storage/Treatment/ Disposal (OAC 3745-300-06(C)(4)(a))**

This site was not identified as a Treatment Storage and disposal facility as defined by CERCLA. However, the former bulk petroleum storage facility was identified in the north portion of the Property north of Sulphur Creek. This facility has not been used since at least the early 1990s, but no exact date could be determined through exhaustive research. In June 2023, each of the tanks was inspected and found to be empty of any contents. Following that inspection, all aboveground piping from the North Parcel AST farm to the pump house was removed and disposed in June 2023.

### **7.3 Physical Evidence of Releases (OAC 3745-300-06(C)(4)(c))**

A groundwater interceptor trench was constructed in April 2023 to mitigate the potential for impacted groundwater to migrate toward Sulphur Creek. In April 2023, a slight hydrocarbon sheen was noted along the south side bank of Sulphur Creek, which appeared to be emanating from the pump house area and prospective soil borings identified the area to be limited to the northwest portion of the Property directly north of the pump house. Evacuated

groundwater from the interceptor trench displayed elevated concentrations of hydrocarbons. Interim remedial measures and monitoring are conducted following BUSTR regulations, pending final remediation, which is dependent upon receipt of public funding.

#### **7.4 Physical Evidence of Impact from Adjacent Properties (OAC 3745-300-06(C)(5)(d))**

There is a documented Norfolk Southern train derailment on February 3, 2023 approximately 0.5-miles east along Taggart Street and Sulphur Run, which created a substantial release of liquid contaminants in part to Sulphur Run, which flowed through the subject Property, and has likely impacted soil and water at least in the immediate area of Sulphur Run through the property. Norfolk Southern, Ohio EPA, and U.S. EPA have identified a large amount of data has been gathered, and continues to be gathered at the time of this report. However, much of this data as it related to potential impacts to 448 Taggart Street has not yet been publicly released to fully evaluate the degree of impact to the Property. Based on the available data, documented evidence of hydrocarbons and vinyl chloride were released at the site of the derailment and into Sulphur Run, but has not persisted in surface water. Investigations continue to evaluate impacts to streambed and streambank impacts, and is relevant to potential impacts on Sulphur Creek along the 448 Taggart Street Property.

#### **7.5 Potential Migration Conduits (OAC 3745-300-06 (C)(4)(g))**

Identifiable migration conduits associated with the Property include the tank cavities of the USTs, as well as storm drains on the Property. The water-filled sump/drain located outside the former pump house on the Property also poses a migration conduit, although that is the purpose for collection of groundwater as an interim remedial measure.

## 8.0 SUMMARY OF RELEASES ON THE PROPERTY (OAC 3745-300-06(C)(5))

Based on interviews and review of historical documentation and available environmental records for the Property, the following known or suspected releases of hazardous substances or petroleum have or may have occurred on, underlying, or are emanating from the Property:

- Due to the Property's history as an operating petroleum-product storage and filling station and that the ASTs are still present on the North Parcel of the Property, it is reasonable there is the potential for surface soil impacts adjacent the ASTs north of Sulphur Run on the North Parcel. As such, the existing AST storage constitutes an IA.
- BUSTR records document closure and removal forms for underground tanks located on the Property. The documents range in dates from 1994 through 2023. The documents from 1994 to 1995 detail the following: a closure assessment report, UST permits, field inspection forms, and site assessment due to a confirmed release. On August 3, 1994, two 1,000-gallon USTs used for gasoline were removed from the Property. Also, the dispenser island and the piping system were removed from the Property as well. The Tank IDs were 275256 and 275251. Both USTs were 20 years old and constructed of steel. The tanks were last used on May 20, 1994, and were used by Insul Co., Inc. The State Fire Marshal's Office reviewed the closure report and determined that a confirmed release occurred on the Property based on residual contamination remained above action levels. A "No Further Action (NFA)" letter was received from BUSTR on August 20, 1996.
- On April 13, 2023, a third UST was discovered on the Property as a result of other work being done on the Property. BUSTR determined that the third UST was a UST likely regulated by BUSTR. BUSTR stated the status of the site should be LTF1-Tier 1 Source Investigation Required. The 1,000-gallon UST was removed on April 21, 2023, by Buckeye Elm Contracting. The UST had an unknown substance in the tank that was believed to be primarily water with a petroleum odor. The soil in the tank cavity was stained and was documented as having a petroleum odor. Due to the close proximity of the former UST to the Pump house, we have designated the Identified

Area to include the pump house, the UST, and impacted soil and groundwater area of release adjacent to Sulphur Run.

- The former service station building itself constitutes an Identified Area based on the potential for a release of hazardous or petroleum substances and includes several service lines connecting the pump house with the former service station pump islands south of the building..

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## 9.0 SUMMARY OF IDENTIFIED AREAS (IAs) AND CHEMICALS OF CONCERN (COCs) (OAC 3745-300-06(E)(1))

IAs and COCs for the Property have been determined in accordance with OAC 3745-300-06(E)(1) and include areas on or underlying the Property which may contain hazardous substances or petroleum, along with areas where a release of hazardous substances or petroleum has or may have occurred. A figure depicting the location and extent of IAs identified for the Property is shown in **Figure 3** (located in **Appendix A**). **Table 10** presents a summary of the IAs and COCs for the Property.

**Table 10**  
**Summary of IAs and COCs**

Identified Area	Extent of IA	Basis for IA	Chemicals of Concern
1	Former BUSTR NFA	Two former USTs received an NFA in 1996, aboveground piping, underground piping,	VOCs, PAHs, TPH (GRO & DRO)
2	Former Pump House and one UST	Pump House which housed all valving, pumps and an adjacent 1,000-gal UST. An existing "Interceptor Trench" was constructed in Spring 2023, adjacent to the pump house and extends to the east, and will be removed as part of the remedy	VOCs, PAHs, TPH (GRO & DRO)
3	Five former Above Ground Storage Tanks	Four existing ASTs and a former AST north of Sulphur Run, where there is a potential for a historical release. All tanks are empty, and the service lines were removed from the AST tank farm to the Pump House in 2023	VOCs, PAHs, TPH (GRO & DRO)
4	Former Service Station	The existing structure exists and includes service lines from the pump house to the former pump islands to the south along Taggart, where a former release of petroleum or solvents may have occurred.	VOCs, PAHs, TPH (GRO & DRO)

VOCs = volatile organic compounds; PAHs = polynuclear aromatic hydrocarbons; TPH = total petroleum hydrocarbon; GRO = Gas Range Organics; DRO = Diesel Range Organics

## 10.0 VAPOR ENCROACHMENT SCREENING (VES)

B&N performed a Vapor Encroachment Screening (VES) for the Property using ASTM E2600-22 Standard Guide for Vapor Encroachment Screening on Property Involved in Real Estate Transactions in addition to the VAP Phase I PA. The VES is used to evaluate potential Vapor Encroachment Conditions (VECs) for the property, which is defined as “the presence or likely presence of COC vapors in the vadose zone of the Target Property (TP).” B&N followed the Tier 1 approach with the Area of Concern (AOC) defined by the approximate minimum search distances described below for all upgradient locations. Groundwater flow was inferred from the BUSTR records as moving westward. Cross gradient environmental record sources had an approximate minimum search distance of 365 ft. and downgradient of the facility was evaluated within 100 ft. of the Property.

Standard Environmental Record Sources	Approximate Minimum Search Distance	
	Non-Petroleum Hydrocarbon COCs	Petroleum Hydrocarbon COCs
Federal NPL site list	1/3 mi.	1/10 mi.
Federal CERCLIS list	1/3 mi.	1/10 mi.
Federal RCRA CORRACTS facilities list	1/3 mi.	1/10 mi.
Federal RCRA non-CORRACTS TSD facilities list	1/3 mi.	1/10 mi.
Federal RCRA generators list	TP	TP
Federal institutional control/engineering control registries	TP	TP
Federal ERNS list	TP	TP
State and Tribal lists of hazardous waste sites:		
State and tribal-equivalent NPL	1/3 mi.	1/10 mi.
State and tribal-equivalent CERCLIS	1/3 mi.	1/10 mi.
State and tribal landfill and/or solid waste disposal site lists	1/3 mi.	1/10 mi.
State and tribal leaking storage tank lists	1/3 mi.	1/10 mi.
State and tribal registered storage tank lists	TP	TP
State and tribal institutional control/engineering control registries	TP	TP
State and tribal voluntary cleanup sites	1/3 mi.	1/10 mi.
State and tribal Brownfield sites	1/3 mi.	1/10 mi.

Upon review of the information presented in this Phase I ESA, the presence of COC vapors within the vadose zone for the TP is possible and cannot be omitted. Historical or current uses of the Property and/or surrounding properties show the use of hazardous substances and/or petroleum products.

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## **11.0 VAP ELIGIBILITY (OAC 3745-300-02)**

Based on information provided in this VAP Phase I PA, the Property is eligible for participation in the VAP.

### **11.1 National Priorities List (NPL) Sites (OAC 3745-300-02(B)(1))**

The Property is not identified as a listed NPL site by U.S. EPA Region 5 and is not listed as an NPL site on the EDR database.

### **11.2 Underground Injection Control Program (OAC 3745-300-02(B)(2))**

No records were identified indicating that any underground injection wells are located on the Property.

### **11.3 Properties Subject to Federal or State Corrective Action Permit Obligations (OAC 3745-300-02(B)(3))**

Based on the data gathered to date, available information provides indications that the Property is not subject to state Corrective Action Permit Obligations. Moreover, Ohio EPA has identified this site is under the jurisdiction of the Ohio BUSTR. However, Ohio EPA is monitoring the BUSTR activities as a result of the Norfolk Southern Derailment, as Sulphur Run has been impacted by the derailment release upgradient from the Property.

### **11.4 Properties Subject to Federal Enforcement (OAC 3745-300-02(B)(4))**

Based on the records review conducted for the Property, nothing would indicate that the Property is subject to federal enforcement actions requiring site assessment, removal, or remedial activities.

### **11.5 Property Where Closure of a Hazardous Waste or Solid Waste Facility is Required (OAC 3745-300-02(B)(5))**

Based on the records review conducted for the Property, nothing would indicate that the Property is subject to closure for hazardous waste or solid wastes.

### **11.6 Petroleum UST Systems (OAC 3745-300-02(B)(6))**

One petroleum UST system has been identified and removed on the Property and reported to BUSTR. The Property Owners are working with BUSTR personnel to address, remedy the site for commercial/industrial land use. It is important to note that the Property Owners are working with Ohio EPA as well.

### **11.7 Oil and Gas (OAC 3745-300-02(B)(7))**

There are no reports of oil and gas wells on the Property.

### **11.8 Properties Subject to Enforcement Letters (OAC 3745-300-02(B)(8))**

No enforcement letters regarding the Property were identified, and the Property Owners are working under the BUSTR program to address petroleum impacted soil and groundwater.

## **12.0 CONCLUSIONS AND RECOMMENDATIONS (OAC 3745-300-06(G)(9))**

B&N has determined through completion of this VAP Phase I that potential releases of hazardous and petroleum substances have been documented for the Property. This VAP Phase I PA documents the nature and location of IAs on the Property and COCs associated with these IAs. Although the site is not intended to proceed through the VAP, it is recommended that the site proceed through the BUSTR Tier 1 and 2 protocol and remedial efforts to obtain a No Further Action (NFA) Letter from BUSTR.

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### 13.0 BIBLIOGRAPHY AND REFERENCES (OAC 3745-300-06(G)(10))

1. Brookman, C. S. (1998). *Physiographic Regions of Ohio*. Ohio Department of Natural Resources, Geological Survey. Columbus, Ohio: The State of Ohio. Retrieved May 2023
2. Ohio Department of Natural Resources. (2023). *Water Well Database*. Retrieved December 2023, from [ohiodnr.gov: https://waterwells.ohiodnr.gov/search/interactive-search](https://waterwells.ohiodnr.gov/search/interactive-search)
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5. Angle, M. (1994). *Groundwater Pollution Potential of Columbiana County, Ohio*. Groundwater Pollution Potential Report No. 35. Ohio Department of Natural Resources, Division of Soil and Water Resources, Water Resource Section. Retrieved May 2023
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7. United States Department of Agriculture. (2023, May 4). *Custom Soil Resource Report for Columbiana County, Ohio*. Natural Resources Conservation Service, United States Department of Agriculture.

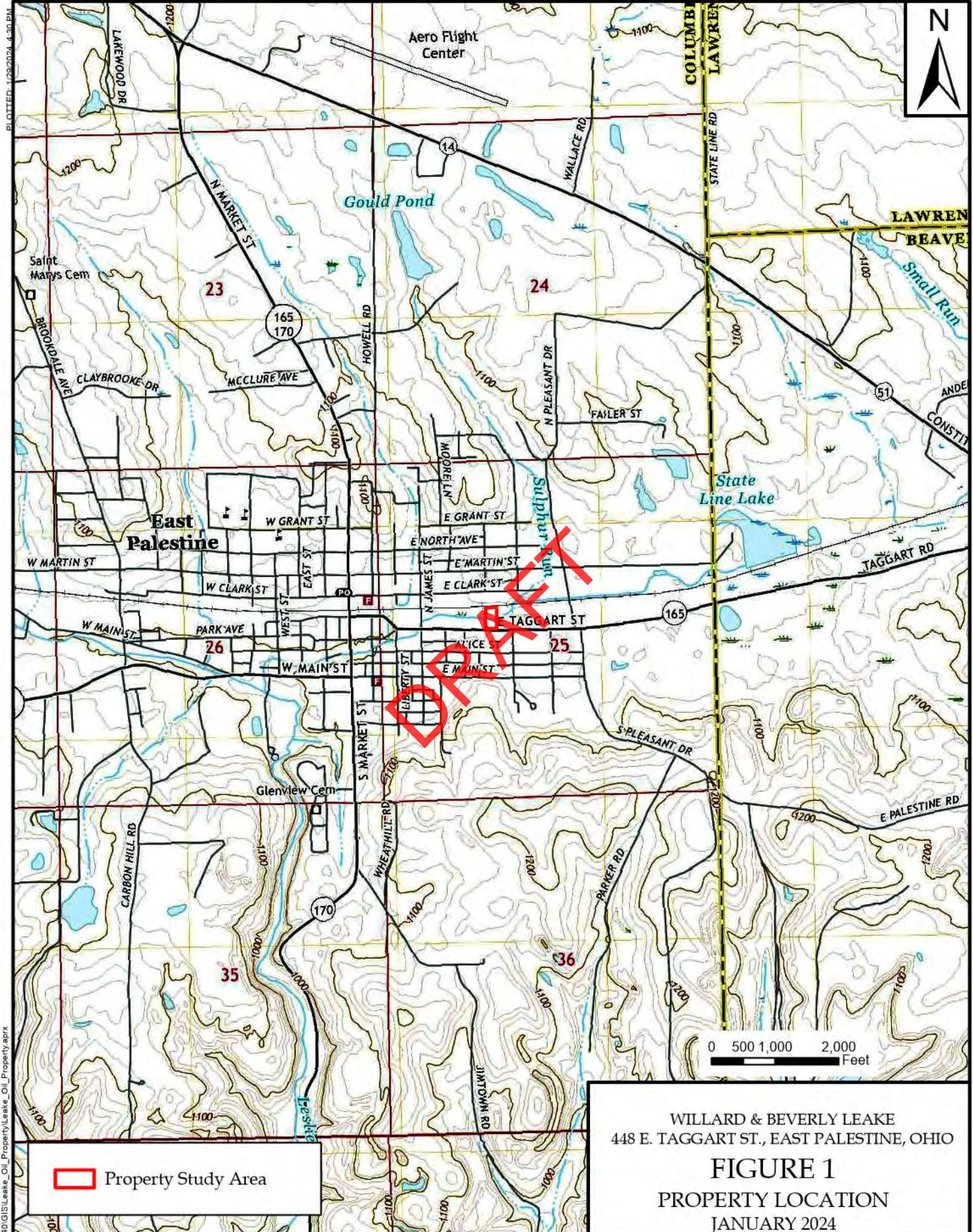


APPENDIX A

FIGURES

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Property Study Area

**SOURCE:**  
 7.5 MINUTE EAST PALESTINE, U.S.G.S. QUADRANGLE MAP

WILLARD & BEVERLY LEAKE  
 448 E. TAGGART ST., EAST PALESTINE, OHIO  
**FIGURE 1**  
**PROPERTY LOCATION**  
 JANUARY 2024

**BURGESS & NIPLE**  
 Engineers • Planners • Environmental Scientists




PIPR061240\GIS\Leake\_Oil\_Property.aprx




Sulphur Run

DRAFT

0 20 40 80 Feet

 Property Study Area

 Sulphur Run

WILLIAM & BEVERLY LEAKE  
448 E TAGGART ST, BUCYRUS, OHIO

FIGURE 2  
SITE AERIAL  
JANUARY 2024

SOURCE:  
OHIO GEOGRAPHICALLY REFERENCED INFORMATION PROGRAM (OGRIP)

**BURGESS & NIPLE**  
Engineers ■ Planners ■ Environmental Scientists







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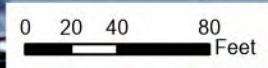


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	Property Study Area		IA-3, Four Existing and One Former ASTs North of Sulphur Run
	Sulphur Run		IA-4, Former Service Station and Building and Pump Islands
<b>IAs, Description</b>			
	IA-1, Two Former USTs (BUSTR NFAs)		
	IA-2, Pump House and Valving, Pumps and Adjacent Former 1,000-gallon UST, Interceptor Trench, and Impacted Soils		



WILLIAM & BEVERLY LEAKE  
 448 E TAGGART ST, EAST PALESTINE, OHIO

**FIGURE 3**  
 IDENTIFIED AREAS (IAs)  
 JANUARY 2024

SOURCE:  
 OHIO GEOGRAPHICALLY REFERENCED INFORMATION PROGRAM (OGRIP)

**BURGESS & NIPLE**  
 Engineers • Planners • Environmental Scientists





**Photo 1:** View of the garage facing east.



**Photo 2:** View of the Property facing southeast Taggart Street.



**Photo 3:** View of the Property facing south towards Taggart Street.



**Photo 4:** View of the Property facing north towards Sulphur Run on western edge of the Property.





**Photo 5:** View of pump house to west of garage. View is facing to the north.



**Photo 6:** View of former dispenser island facing to the east.



**Photo 7:** View of the eastern side of the Property facing north.



**Photo 8:** Inside of garage. Tanks and drums used to contain water pumped from groundwater interceptor trench until disposal at licensed facility.

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**Photo 9:** Inside of office the garage building on the Property.



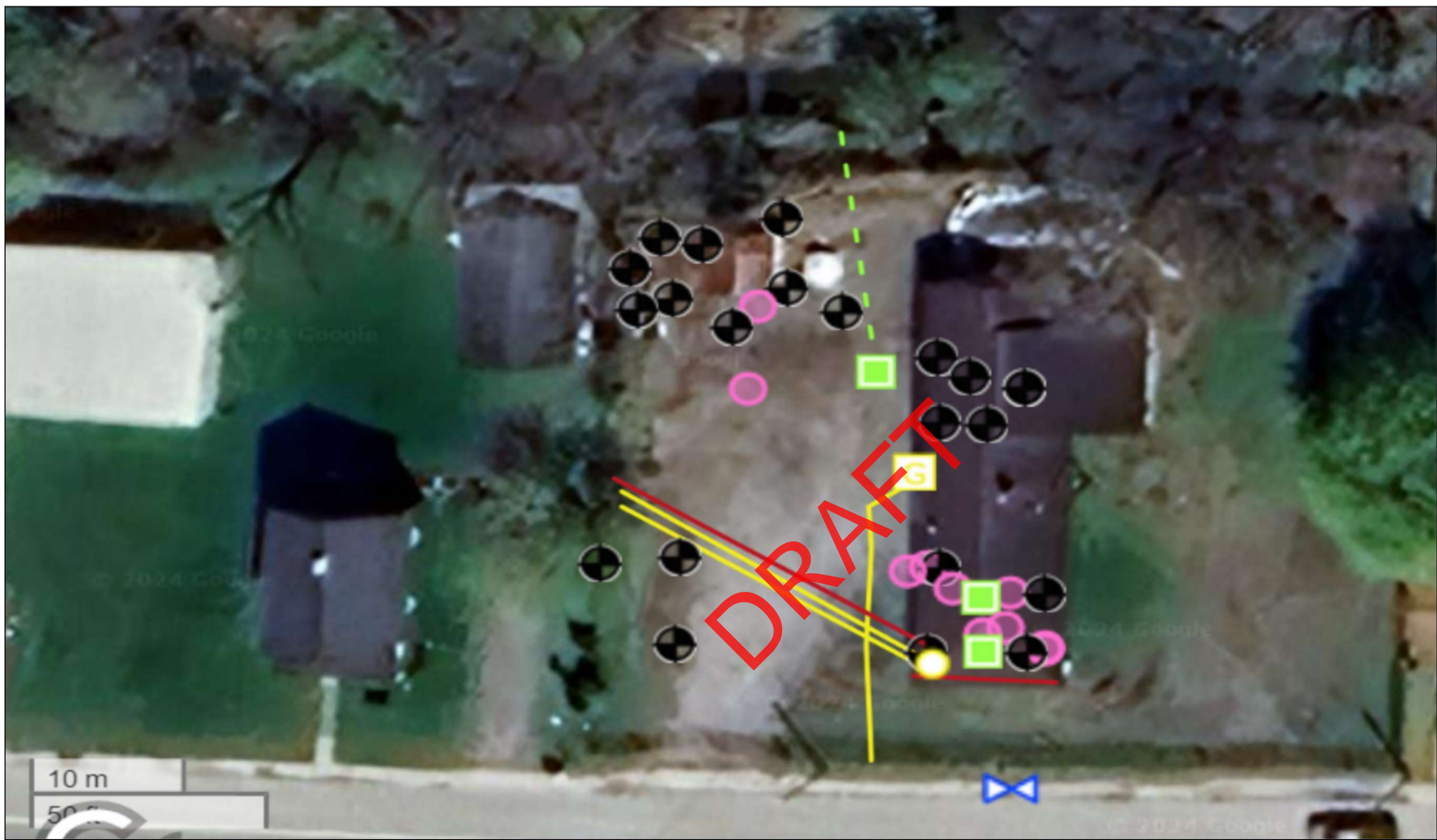
**Photo 10:** View of ASTs from south parcel looking north across Sulphur Run.

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**APPENDIX E**  
**GEOPHYSICAL SURVEY REPORTS**

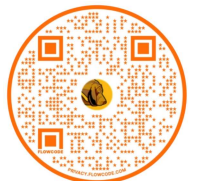
**DRAFT**



1. The subsurface utilities depicted are for informational use only, Blood Hound is not a licensed surveyor or Engineering firm. Independent verification of the provided data for any official use would be required.
2. Our subsurface utility designation was performed utilizing radio frequency (RF) and ground penetrating radar (GPR). Electromagnetic interference and subsurface soil and groundwater conditions impact the ability to identify and trace subsurface utilities.
3. Unless confirmed with test holes, any subsurface utility depths shown hereon were derived with RF or GPR methodologies and are approximate.
4. The base map imagery shown may not reflect current site conditions.
5. Designated subsurface utilities were designated using a Vivax-Metrotech vLoc3 RTK-Pro GNSS receiver, unless otherwise noted.

Work order# **00254178** Customer **Partners Environmental** Scale: **NTS**  
 Work type **Locating** Technician(s) **Christopher Bargainer** Address **448 E Taggart St, East Palestine, OH, 44413**

Elec. Line	Gas Entrance	Gas Line	Gas Meter	GPR Anomaly	Soil Boring
Storm Line	Storm Square CB	Water Valve			



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 Indianapolis, IN 46278  
 1-888-858-9830  
**BHUG.COM**



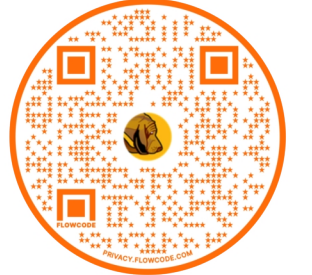


1. The subsurface utilities depicted are for informational use only. Blood Hound is not a licensed surveyor or Engineering firm. Independent verification of the provided data for any official use would be required.
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5. Designated subsurface utilities were designated using a Vivax-Metrotech vLoc3 RTK-Pro GNSS receiver, unless otherwise noted.



Work order# **00256195**      Customer **Partners Environmental**      Scale: **NTS**  
Work type **Locating**      Technician(s) **Scott Cox**      Address **448 E Taggart St, East Palestine, OH, 44413**

- Legend**
- GPR Anomaly
  - Work Limits - White



**6500 Technology Center Drive Suite 200**  
**Indianapolis, IN 46278**  
**1-888-858-9830**  
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