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# Limited Site Investigation Report – Stormwater Management

## North Star Casteel, Inc.

## 1200 West 13th Street

## Vancouver, Washington

*Prepared for*

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Project Number: NWS0030

November 26, 2025

# Limited Site Investigation Report – Stormwater Management
# 1200 West 13th Street
# Vancouver, Washington

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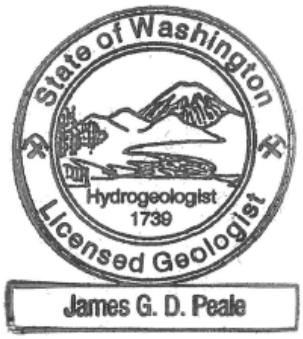


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# 1 INTRODUCTION

Geosyntec Consultants, Inc. (Geosyntec) has prepared this limited Site Investigation Report (SI Report) to document the results of the subsurface investigation completed at the North Star Casteel Products, Inc. (North Star) facility located at 1200 West 13th Street in Vancouver, Washington (Site or Subject Property), shown on Figure 1.

Since mid-2024, Geosyntec has been working with North Star in evaluating alternatives for managing stormwater at the Site that complies with the current Washington State Department of Ecology (Ecology) Industrial Stormwater General Permit (ISGP). During this process we have been in contact with Ecology's water quality department (Yago Perniciaro, Stormwater Facility Manager and John Bhend, Statewide underground injection control [UIC] Coordinator). Geosyntec understands that the Site has an active Voluntary Cleanup Program (VCP) file (SW1712) that is being worked on by Martin S. Burck Associates, Inc. (MSBA) and managed by Joseph Hunt of Ecology's Toxics Cleanup Program.

The goal of Geosyntec's 2025 SI was to document that the use of properly designed UICs and an infiltration pond will not affect the ongoing VCP work. Our work is separate from the ongoing VCP actions.

# 2 BACKGROUND

The following sections provide background information for evaluating the proposed stormwater treatment at the Site as it relates to environmental concerns.

## 2.1 Stormwater System Conveyance Mapping

On October 8, 2024, Geosyntec and River City Environmental (River City) attempted to verify the connectivity of existing stormwater infrastructure and identify discharge points. The fieldwork included the use of camera equipment, locating equipment, and water tracing to identify stormwater conveyance flow directions. The findings of our investigations were documented in the recently updated Stormwater Pollution Prevention Plan (SWPPP) for the Site (Appendix A). Stormwater infrastructure features (e.g., catch basins [CB], trench drains [TD]) are shown on Figure 2, and infiltration basins are presented in Figures 3 and 4. Findings of the investigations are summarized below:

- **CB-01 and CB-06 Area** – CB-01 and CB-06 are located in the southwest corner of the Site. Neither catch basin appeared to have piping inputs and both had overflows that drain to the west behind the fence. Neither catch basin is connected to the Vancouver (City) stormwater system, which is located along Franklin Avenue (east and upgradient) of the Site. These catch basins are likely draining to a drywell(s) or another infiltration feature, located on land currently occupied by BNSF Railway (BNSF).

- **CB-02 Area** – CB-02 is located in the paved area south of the foundry and east of the welding building. A single discharge pipe to the southeast was observed in CB-02. However, the discharge point was not identified because there was a steel downturned elbow in the catch basin that prevented the camera from being advanced into the pipe. It is possible that CB-02 daylights and discharges to the lower parking area (near CB-01 and CB-06) or CB-02 may drain to a separate subsurface feature, such as a drywell. Dye testing did not identify a discharge point.
- **TD-01, CB-05, INT-CB** – TD-01 is located in front of the welding building and is sloped towards CB-05, which then drains to an internal catch basin/open hole, labeled INT-CB. From INT-CB, a discharge pipe runs due south, but the pipe is completely blocked with rocks and roots and stormwater is likely infiltrating beneath the welding shop or seeping through the blockage.
- **TD-02 and TD-03 Area** – TD-02 and TD-03, located between the foundry and welding building, drain to a common sump that routes stormwater to an open pipe on the western side of the foundry. This stormwater sheet flows west onto the neighboring property and infiltrates into surface soils. In addition, one of the downspouts from the foundry building drains to a Grattix box that discharges to TD-02.
- **CB-03 and CB-04 Area** – CB-03 and CB-04 are located east of the foundry. CB-04 appears to discharge to the east and CB-03 piping discharges to the north. It is unclear if the two catch basins drain to a drywell. In addition, CB-03 was fitted with an old sump pump that had a 2-inch discharge pipe that was routed to the southeast. The pump did not appear to be functioning.
- **Northern Stormwater Feature** – The Northern Stormwater Feature (rain garden) is located adjacent to the north side of the foundry building. Downspouts and sheet flow in the northern portion of the Site are routed to a gravel infiltration basin that was constructed in approximately 2016.

## 2.2 Topographic Survey

In November 2024, Geosyntec contracted with Westlake Consultants to conduct a topographical survey of the Site and existing stormwater conveyance system. The survey confirmed that the entire stormwater system (catch basins, trench drains, and conveyance pipes) are at an elevation several feet below the nearest City stormwater conveyance line in the western side of Franklin Avenue. (Figure 2). The survey confirmed that designing a stormwater treatment system that drains to the existing conveyance system, without using lift stations, is not viable.

## 2.3 Evaluation of Stormwater Management Alternatives

Due to the lack of a downgradient City stormwater connection, the only viable option for managing stormwater that complies with the ISGP and UIC design requirements is through infiltration. Geosyntec understands that Ecology has a concern regarding the use of infiltration at facilities with potential environmental contamination.

The selected alternative is to manage stormwater in two infiltration areas: the Eastern Infiltration Basin (Figure 3) and the Southern Infiltration Basin (Figure 4). The first area will use UICs to manage stormwater generated in Drainage Basin 003 (DB-003) and the second using an infiltration pond with UIC overflow for basins DB-04 and DB-06. Figure 2 provides a conceptual layout of the proposed system. As shown in Figures 2 through 4, stormwater will be directed through a hydrodynamic separator (HDS) before entering the infiltration pond or the UICs.

For DB-003, the preliminary design includes the installation of a 6-foot diameter UIC that is 13 feet deep along with a 4-foot diameter UIC that is 12 feet deep.

For the DB-04 and DB-06, the preliminary design includes installing an infiltration basin that has a bottom square footage of 30 square feet with 3:1 side walls. The total depth of the basin is 2.75 feet below ground surface (bgs). To manage overflow conditions, the basin will drain to a UIC that is 4-feet in diameter and 8 feet deep.

# 3 SITE INVESTIGATION ACTIVITIES

The following summarizes our investigation activities that focused on the design and installation of the inflation basins.

## 3.1 Field Investigation

The field investigation activities took place on July 31, 2025, under the oversight of Geosyntec personnel. Anderson Environmental Contracting (AEC) advanced three direct-push borings in the vicinity of the proposed UICs for DB-003 and five borings in the area of the proposed infiltration basin for the purpose of collecting soil samples for analytical analysis. The locations of borings are provided in Figures 2 through 4.

Public and on-Site private utility locates were completed prior to beginning subsurface work. To the extent practical, underground utilities were identified using electromagnetic detection methods and marked at the surface with paint.

### 3.1.1 Direct Push Borings

A direct push GeoProbe® 7822DT drill rig, fitted with 5 foot long, 2-inch diameter steel rods, was used to advance each boring up to 15 feet bgs. The position of each boring location was measured and documented relative to existing Site features.

Soil cores were field screened for the presence of petroleum hydrocarbons and volatile organic compounds (VOCs) using visual observations, a photoionization detector (PID), and sheen testing. Field screening and continuous soil characterization were documented on lithologic boring logs and field forms. Boring logs detailing the depth of each boring, samples collected, and soil characteristics are included as Appendix B.

One sample was collected within 3 feet of the surface and the remaining samples in each boring were selected based on field screening results. Where elevated PID readings or potential petroleum hydrocarbon impacts were observed in soil cores, additional samples were collected and submitted for applicable analytical testing.

#### *3.1.1.1 Borehole and Test Pit Abandonment*

AEC abandoned borings in accordance with Washington Administrative Code (WAC) 173-160-381 upon completion of the SI field activities. Borings were backfilled with hydrated bentonite chips until 0.5 feet bgs and then patched with asphalt, where appropriate, to match the surrounding surface.

### 3.1.2 Sample Handling

Samples were labeled with a unique sample identification, the sample depth, and the time and date of collection. Soil samples were collected in containers provided by Pace Analytical and placed in a cooler with ice immediately following sample collection. Reasonable efforts were made to minimize loss of volatiles during field screening and sample collection. Samples were kept under documented chain of custody protocols.

## 3.2 Management of Investigation Derived Waste

Investigation-derived waste (IDW) generated during this Site investigation included soil cuttings from borings and decontamination water. The soil and water IDW generated from drilling was securely stored on-Site in two labeled 55-gallon drums, pending disposal.

# 4 INVESTIGATION RESULTS

The following sections summarized the results of the investigation.

## 4.1 Geology and Hydrogeology

Based on the soil observed during Geosyntec's investigation, soils consisting primarily of silty sand and poorly graded sand were observed to the maximum depth explored (15 feet bgs). Lenses of silts were encountered in most borings between 2 and 3 feet bgs.

Geosyntec did not encounter groundwater during soil boring advancement. Historical investigations encountered groundwater between 34.5 and greater than 60 feet bgs with an assumed gradient to the west southwest (MSBA 2022).

## 4.2 Analytical Test Methods

Geosyntec utilized Pace Analytical to complete the analytical testing. Laboratory reports are included as Appendix C.

Soil samples were analyzed for one or more of the following

- Gasoline-range organics using the Northwest Total Petroleum Hydrocarbons (NWTPH-Gx) method;
- Diesel-range organics using the Northwest Total Petroleum Hydrocarbons (NWTPH-Dx) method;
- VOCs using United States Environmental Protection Agency (USEPA) Method 8260D;
- Polycyclic aromatic hydrocarbons (PAHs) using USEPA method 8270;
- Polychlorinated biphenyls (PCBs) using USEPA method 8082; and
- Metals (antimony, arsenic, beryllium, cadmium, chromium, copper, lead, manganese, mercury, nickel, selenium, silver, titanium, and zinc) by USEPA 6000 and 7000 series methods.

Upon receipt of the final analytical laboratory data, a data quality review was completed for the data collected, and the data with qualifiers was entered into Microsoft Excel and organized for risk screening.

## 4.3 Data Quality

Geosyntec performed a quality assurance/quality control review of the laboratory analytical data. Data were reviewed for completeness, accuracy, precision, sample contamination, conformance with holding times, and detection limits within acceptable ranges.

Based on the data quality review; laboratory data is of acceptable quality for the purposes of this Report, which is to compare analytical results to Model Toxics Control Act (MTCA) screening values.

## 4.4 Soil Analytical Results

Soil sampling results are provided in Table 1. Analytical soil data results were compared with applicable MTCA Method A and B values and are summarized below:

- Gasoline-range organics (GRO) were detected in a single sample at 1.57 milligrams per kilogram (mg/kg). None of the detected concentrations exceeded the most conservative MTCA values.
- Diesel-range organics (DRO) were detected in three samples ranging in concentrations from 7.53 to 187 mg/kg.

- Oil-range organics (ORO) were detected in five samples ranging in concentrations from 3.71 to 3,220 mg/kg.
- The combined total DRO and ORO concentration in sample SB-04-2.25 (3,220 mg/kg) exceeds the MTCA Method A value of 2,000 mg/kg.
- Various metals were detected in each sample analyzed. Metals were either detected at concentrations below corresponding MTCA Method A values or not detected above laboratory reporting limits, except for one sample.
    - The cadmium concentration in sample SB-04-2.25 (8.62 mg/kg) exceeds the MTCA Method A value of 2 mg/kg.
    - Arsenic was detected in all samples above the MTCA Method B value of 0.67 mg/kg for cancer risk. However, the results were less than the Clark County Regional background concentration of 6 mg/kg.
- Various PAHs were detected in four soil samples. Individual PAHs and toxicity equivalency concentrations (TEQs) for carcinogenic PAHs were below MTCA screening values.
- PCBs were only detected in a single sample (SB-04-2.25). The total PCB sum for SB-04-2.25 did not exceed MTCA Method A limits.
- VOCs were detected in nine soil samples at concentrations either below corresponding MTCA values or not detected above laboratory reporting limits.

## 4.5 Groundwater Discussion

During Geosyntec's investigation, groundwater was not encountered or sampled. During the ongoing VCP investigations, a number of grab and monitoring well groundwater samples have been collected for TPH, VOCs, metals, and PAHs. The location of the former borings are shown on the attached figures. Groundwater results, relevant to the proposed UICs, are discussed below:

- A grab sample was collected from SB-10. Reported analytical testing results were less than MTCA Method A cleanup levels.
- Groundwater samples were collected from former monitoring Well 1. Reported analytical testing results were less than MTCA Method A cleanup levels.
- A grab sample was collected from SB-1. Reported analytical testing results were less than MTCA Method A cleanup levels.
- Groundwater samples were collected from former monitoring Well 2. Reported analytical testing results were less than MTCA Method A cleanup levels.

### 4.5.1 Mounding Analysis

An analysis of mounding at both infiltration basins was conducted using a spreadsheet model[1] that calculates the height of a groundwater mound beneath a stormwater infiltration basin. The purpose of the analysis was to evaluate whether infiltration at each basin could potentially cause excessive groundwater mounding that would affect the movement of an unknown groundwater contamination at the Site. The spreadsheet solves the Hantush (1967) equation for ground-water mounding beneath an infiltration basin. The results are presented as a profile of the height of groundwater above the static water-level as a function of lateral distance from the center of the infiltration basin. No changes to the solution incorporated into the spreadsheet were made. User-specified variables include:

- Infiltration rate (I)
- Specific yield of the aquifer receiving infiltration (Sy)
- Horizontal hydraulic conductivity of the aquifer receiving infiltration (Kh)
- Basin dimensions (x,y)
- Duration of infiltration (t)
- Initial saturated thickness of the aquifer receiving infiltration ($H_0$)

Infiltrating volumes were taken from 60-year continuous simulation in the Western Washington Hydrology Model (WWHM). The maximum daily runoff volume was used as an extreme case for each infiltration basin. Maximum volumes were divided by the infiltrating surface areas for each Best Management Practice to determine an average rate of infiltration in feet per day (ft/day). Overflow volumes in the WWHM simulation for the bioswale in the Southern Basin were used for inputs to determine the greatest infiltration rate for the UIC.

Details and assumptions for the calculations are as follows:

**Eastern Basin – Six Foot UIC**

- I = 6.0 ft/day; 2,026 cubic feet per day (cfd) divided by 336 feet squared ($ft^2$). Both UICs were modeled as a single stage-storage-discharge table in WWHM. Therefore, the rate was derived from the Eastern Basin's runoff volume divided by the combined surface area of both UICs.
- Sy = 0.15 (estimated)
- Kh = 1,020 ft/day (estimated based on converting the coefficient of permeability of 51 inches per hour (in/hr) to ft/day and multiplying the result by $10^2$; coefficient of

[1] The spreadsheet used for the calculations is available through the U.S. Geological Survey Scientific Investigations Report 2010-5102 "Simulation of groundwater mounding beneath hypothetical stormwater infiltration basins".
[2] Horizontal hydraulic conductivity in unconsolidated sediments is usually greater than vertical hydraulic conductivity (soil permeability). Often only vertical or only horizontal conductivity is measured, and the directional hydraulic

permeability was calculated from a measured field infiltration rate of 100 in/hr and methods outlined in Lambe and Whitman's *Soil Mechanics*, 1991).

- falling head test in adjacent monitoring well and assuming horizontal conductivity is 10 times greater than vertical conductivity based on USGS Report 2010-5102)
- t = 1 day
- $H_0$ = 10 feet (conservative value)

**Eastern Basin – Four Foot UIC**

- I = 6.0 ft/day; 2,026 cfd divided by 336 $ft^2$. Both UICs were modeled as a single stage-storage-discharge table in WWHM. Therefore, I rate was derived from the Eastern Basin's runoff volume divided by the combined surface area of both UICs.
- Sy = 0.15 (estimated)
- Kh = 1,020 ft/day (estimated based on converting the coefficient of permeability of 51 in/hr to ft/day and multiplying the result by $10^2$; coefficient of permeability was calculated from a measured field infiltration rate of 100 in/hr and methods outlined in Lambe and Whitman's *Soil Mechanics*, 1991).
- t = 1 day
- $H_0$ = 10 ft (conservative value)

**Southern Basin - Bioswale**

- I = 355 ft/day; 10,642 cfd divided by 300 $ft^2$
- Sy = 0.15 (estimated)
- Kh = 5,600 ft/day (estimated based on converting the coefficient of permeability of 280 in/hr to ft/day and multiplying the result by $10^2$; coefficient of permeability was calculated from a measured field infiltration rate of 750 in/hr and methods outlined in Lambe and Whitman's *Soil Mechanics*, 1991)
- t = 1 day
- $H_0$ = 10 feet (conservative value)

**Southern Basin – Drywell**

- I = 1.3 ft/day; 107 cfd divided by 81 $ft^2$
- Sy = 0.15 (estimated)
- Kh = 5,600 ft/day (estimated based on converting the coefficient of permeability of 280 in/hr to ft/day and multiplying the result by $10^2$; coefficient of permeability was calculated

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conductivity that was not measured is calculated by assuming a 10:1 ratio of horizontal to vertical hydraulic conductivity (Anderson and Woessner, 1991; Pope and Watt, 2005; Modica, 1996; Cauller and Carleton, 2006)

from a measured field infiltration rate of 750 in/hr and methods outlined in Lambe and Whitman's *Soil Mechanics*, 1991)

- t = 1 day
- $H_0$ = 10 ft (conservative value)

The assumed mounding associated with each infiltration basin is detailed in Figures 5 through 8.

Figure 5
Mounding Analysis For DB-03 - 6 Foot Diameter UIC

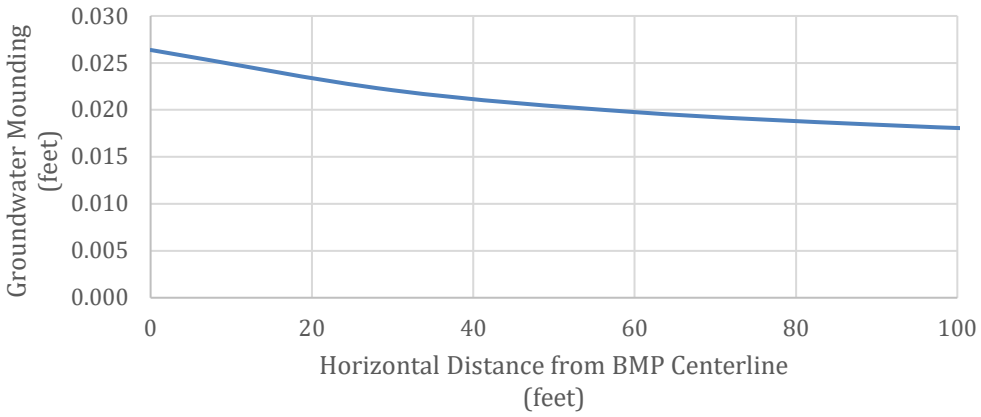



Figure 6
Mounding Analysis for DB-03 - 4 foot diameter UIC

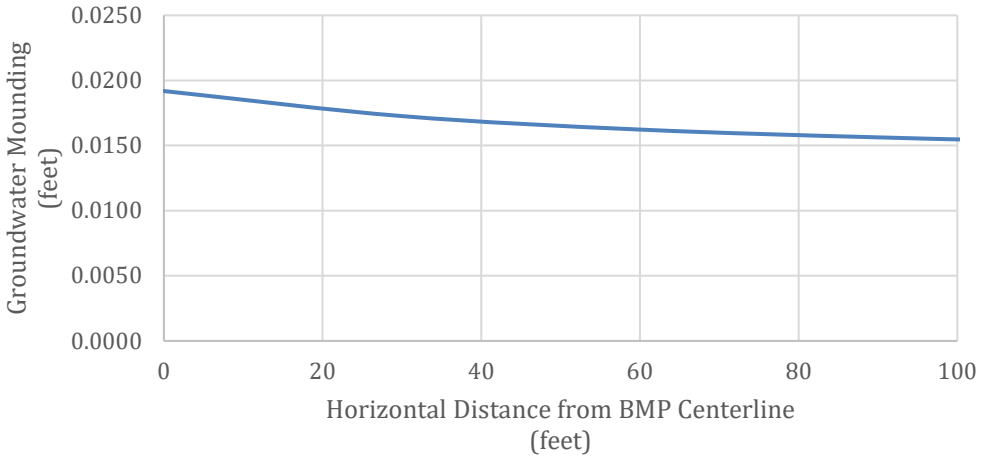


Figure 7
Mounding Under Southern Basin UIC

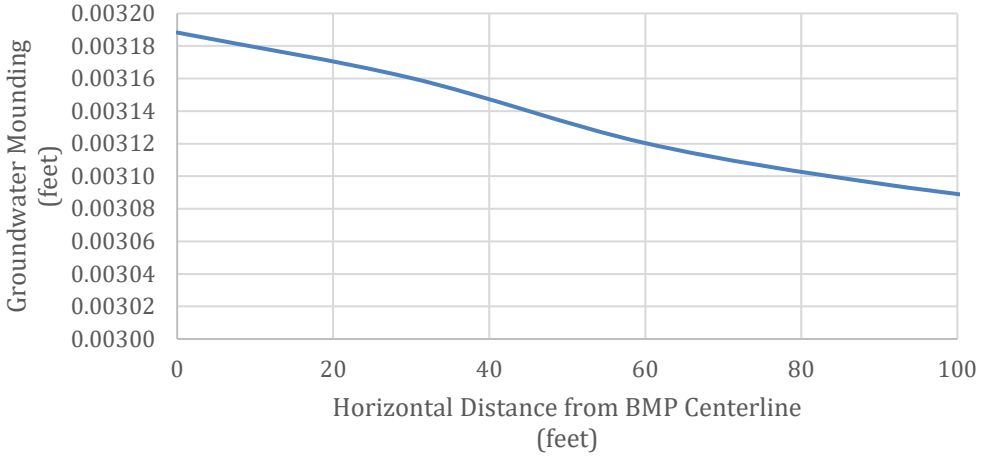
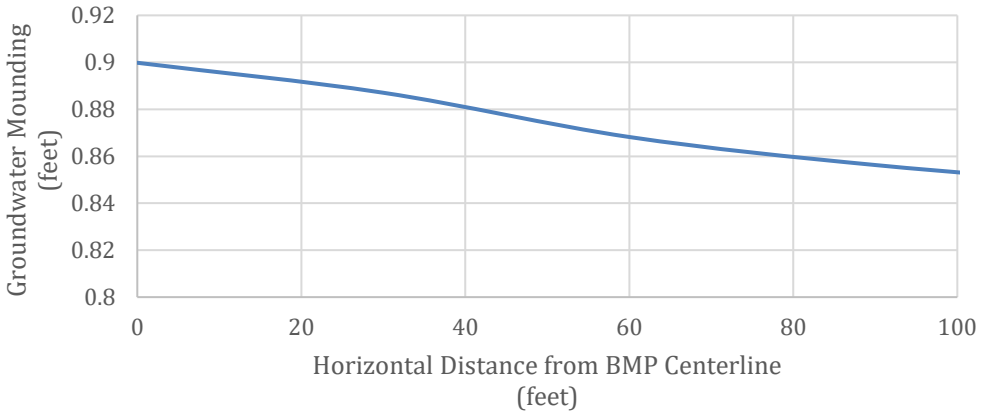



Figure 8
Mounding Analysis for DB-04 and DB-06 - Infiltration Basin



As summarized in Figures 5 through 8, the maximum predicted mounding is less than 0.03 feet in the eastern basin and equal to 0.90 feet in the southern basin. These estimates are also conservative in nature as the model does not account for separation from the bottom of the infiltration basin and the groundwater table. Due to dispersion and storage capacity of the unsaturated soils beneath the UICs, mounding is anticipated to be less than modeled.

# 5 SUMMARY

Based on the data collected during the limited SI, the proposed stormwater infiltration basins will not impact Site environmental conditions. Soil analytical results indicate the infiltration basins will be installed in areas that are not contaminated. In addition, the existing groundwater data, coupled with the mounding analysis, shows that the proposed infiltration will have nominal influence on the underlying groundwater.

Geosyntec understands that the Port of Vancouver has a production well that is within the 6-month/1-year wellhead travel timeframe from the proposed UICs. As such, notification to the Port of Vancouver (well owner/operator) will be required before the UICs are installed.

# 6 REFERENCES

Lambe, W.T. and Whitman, R.V. 1991. Soil Mechanics, John Wiley & Sons, January, 1991.

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The Washington State Department of Ecology (Ecology). 2024. Response to November 27, 2023, Martin S Burck Associates, Inc (MSBA) Comments on Ecology January 5, 2023, Opinion for the former Varicast, Inc. Site. April 1, 2024.

Carleton, G.B. 2010. Simulation of groundwater mounding beneath hypothetical stormwater infiltration basins: U.S. Geological Survey Scientific Investigations Report 2010-5102, 64 p.

Hantush, M.S. 1967. Growth and decay of groundwater mounds in response to uniform percolation: Water Resources Research, v. 3, p. 227–234.

# TABLES

**Table 1. Soil Analytical Results**
**Limited Site Investigation Report**
**1200 West 13th Street in Vancouver, Washington**



| Exploration Identification | | | | | | SB-01 | |
|---|---|---|---|---|---|---|---|
| | | | | | | 07/31/2025 SB-01-8.75 8.75 ft | 07/31/2025 SB-01-13.25 13.25 ft |
| Analyte | CAS m | Unit | MTCA A Soil | MTCA B Soil | Clark County Background (ECY) | | |
| **1_TPHs** | | | | | | | |
| Gasoline Range Organics | TPH-GRO | mg/kg | 30 | | | 1.90 U | 1.88 U |
| Diesel Range Organics | TPH-DRO | mg/kg | 2000 | | | 1.58 U | 1.56 U |
| Motor Oil Range Organics | TPH-ORO | mg/kg | 2000 | | | 3.96 U | 3.92 U |
| Diesel and Oil Extended Range Organics (ND=0) | TPH-EXT | mg/kg | 2000 | | | 11.9 U | 11.8 U |
| Diesel and Oil Extended Range Organics (ND=0) MDL | TPH-EXT_MDL | mg/kg | 2000 | | | 3.96 U | 3.92 U |
| **Conventionals** | | | | | | | |
| Total Solids | TS | % | | | | **84.0** | **85.0** |
| **Metals** | | | | | | | |
| Antimony | 7440-36-0 | mg/kg | | 32 | | 0.198 U | 0.195 U |
| Arsenic | 7440-38-2 | mg/kg | 20 | 0.67 | 6 | **3.61** | **3.89** |
| Beryllium | 7440-41-7 | mg/kg | | 160 | 2 | **0.839 J** | **0.664 J** |
| Cadmium | 7440-43-9 | mg/kg | 2 | 80 | 1 | **0.199 J** | **0.233 J** |
| Chromium | 7440-47-3 | mg/kg | 2000 | 120000 | 27 | **24.7** | **18.2** |
| Copper | 7440-50-8 | mg/kg | | 3200 | 34 | **30.0** | **29.5** |
| Lead | 7439-92-1 | mg/kg | 250 | | 17 | **10.1** | **9.74** |
| Manganese | 7439-96-5 | mg/kg | | 3700 | 1500 | **604** | **586** |
| Mercury | 7439-97-6 | mg/kg | 2 | | 0.04 | 0.0245 U | 0.0242 U |
| Nickel | 7440-02-0 | mg/kg | | 1600 | 21 | **20.1** | **16.8** |
| Selenium | 7782-49-2 | mg/kg | | 400 | | **0.452 J** | **0.468 J** |
| Silver | 7440-22-4 | mg/kg | | 400 | | 0.103 U | 0.102 U |
| Titanium | 7440-32-6 | mg/kg | | | | **5050** | **5120** |
| Zinc | 7440-66-6 | mg/kg | | 24000 | 96 | **93.0** | **93.0** |
| **Other SVOCs** | | | | | | | |
| 2-Chloronaphthalene | 91-58-7 | mg/kg | | 6400 | | 0.00154 U | 0.00152 U |
| **PAHs_cPAH** | | | | | | | |
| Benz(a)anthracene | 56-55-3 | mg/kg | | | | 0.00238 U | 0.00235 U |
| Benzo(a)pyrene | 50-32-8 | mg/kg | 0.1 | 0.19 | | 0.00194 U | 0.00192 U |
| Benzo(b)fluoranthene | 205-99-2 | mg/kg | | | | 0.00327 U | 0.00324 U |
| Benzo(k)fluoranthene | 207-08-9 | mg/kg | | | | 0.00254 U | 0.00251 U |
| Chrysene | 218-01-9 | mg/kg | | | | 0.00245 U | 0.00242 U |
| Dibenzo(a,h)anthracene | 53-70-3 | mg/kg | | | | 0.00239 U | 0.00236 U |
| Indeno(1,2,3-cd)pyrene | 193-39-5 | mg/kg | | | | 0.00279 U | 0.00275 U |
| Total cPAHs TEQ (ND = 1/2 MDL) | T-cPAH-1/2U-MDL | mg/kg | 0.1 | | | 0.00194 U | 0.00192 U |
| Total cPAHs TEQ (ND = 1/2 RDL) | T-cPAH-1/2U | mg/kg | 0.1 | 0.19 | | 0.00714 U | 0.00706 U |
| **PAHs_Other** | | | | | | | |
| 1-Methylnaphthalene | 90-12-0 | mg/kg | | 20 | | 0.00261 U | 0.00258 U |
| 2-Methylnaphthalene | 91-57-6 | mg/kg | | 320 | | 0.00680 U | 0.00672 U |
| Acenaphthene | 83-32-9 | mg/kg | | 4800 | | 0.00193 U | 0.00191 U |
| Acenaphthylene | 208-96-8 | mg/kg | | | | 0.00189 U | 0.00187 U |
| Anthracene | 120-12-7 | mg/kg | | 24000 | | 0.00194 U | 0.00192 U |
| Benzo(g,h,i)perylene | 191-24-2 | mg/kg | | | | 0.00230 U | 0.00227 U |
| Fluoranthene | 206-44-0 | mg/kg | | 3200 | | 0.00284 U | 0.00281 U |
| Fluorene | 86-73-7 | mg/kg | | 3200 | | 0.00214 U | 0.00212 U |
| Naphthalene | 91-20-3 | mg/kg | 5 | 1600 | | 0.00689 U | 0.00681 U |
| Phenanthrene | 85-01-8 | mg/kg | | | | 0.00363 U | 0.00359 U |
| Pyrene | 129-00-0 | mg/kg | | 2400 | | 0.00244 U | 0.00241 U |
| **PCBAro** | | | | | | | |
| Aroclor 1016 | 12674-11-2 | mg/kg | | 5.6 | | 0.0121 U | 0.0120 U |
| Aroclor 1221 | 11104-28-2 | mg/kg | | | | 0.0127 U | 0.0126 U |
| Aroclor 1232 | 11141-16-5 | mg/kg | | | | 0.0217 U | 0.0214 U |
| Aroclor 1242 | 53469-21-9 | mg/kg | | | | 0.0120 U | 0.0119 U |
| Aroclor 1248 | 12672-29-6 | mg/kg | | | | 0.0148 U | 0.0146 U |
| Aroclor 1254 | 11097-69-1 | mg/kg | | 0.5 | | 0.0124 U | 0.0122 U |
| Aroclor 1260 | 11096-82-5 | mg/kg | | 0.5 | | 0.0131 U | 0.0129 U |
| Total PCBs (Sum of Aroclors) (ND = 0) | T-PCBs | mg/kg | 1 | 0.5 | | 0.0405 U | 0.04 U |
| Total PCBs (Sum of Aroclors) (ND = 0) MDL | T-PCBsMDL | mg/kg | 1 | | | 0.0217 U | 0.0214 U |
| **VOC_BTEX** | | | | | | | |
| Benzene | 71-43-2 | mg/kg | 0.03 | 18 | | 0.00100 U | 0.000990 U |
| Toluene | 108-88-3 | mg/kg | 7 | 6400 | | 0.00407 U | 0.00402 U |
| Ethylbenzene | 100-41-4 | mg/kg | 6 | 8000 | | 0.00139 U | 0.00137 U |
| Total Xylenes | 1330-20-7 | mg/kg | 9 | 16000 | | 0.00395 U | 0.00390 U |
| **VOCs** | | | | | | | |
| 1,1,1,2-Tetrachloroethane | 630-20-6 | mg/kg | | 38 | | 0.00183 U | 0.00181 U |
| 1,1,1-Trichloroethane | 71-55-6 | mg/kg | 2 | 160000 | | 0.00204 U | 0.00202 U |
| 1,1,2,2-Tetrachloroethane | 79-34-5 | mg/kg | | 5 | | 0.00163 U | 0.00161 U |
| 1,1,2-Trichloroethane | 79-00-5 | mg/kg | | 18 | | 0.00189 U | 0.00187 U |
| 1,1,2-Trichlorotrifluoroethane | 76-13-1 | mg/kg | | 2400000 | | 0.00396 U | 0.00391 U |
| 1,1-Dichloroethane | 75-34-3 | mg/kg | | 180 | | 0.00142 U | 0.00141 U |
| 1,1-Dichloroethene | 75-35-4 | mg/kg | | 4000 | | 0.00216 U | 0.00213 U |
| 1,1-Dichloropropene | 563-58-6 | mg/kg | | | | 0.00194 U | 0.00192 U |
| 1,2,3-Trichlorobenzene | 87-61-6 | mg/kg | | 64 | | 0.00985 U | 0.00973 U |
| 1,2,3-Trichloropropane | 96-18-4 | mg/kg | | 0.0063 | | 0.00862 U | 0.00852 U |
| 1,2,3-Trimethylbenzene | 526-73-8 | mg/kg | | 800 | | 0.00256 U | 0.00253 U |
| 1,2,4-Trichlorobenzene | 120-82-1 | mg/kg | | 34 | | 0.00764 UJ | 0.00755 UJ |
| 1,2,4-Trimethylbenzene | 95-63-6 | mg/kg | | 800 | | 0.00335 U | 0.00331 U |
| 1,2-Dibromo-3-chloropropane | 96-12-8 | mg/kg | | 0.23 | | 0.0151 UJ | 0.0149 UJ |
| 1,2-Dibromoethane (EDB) | 106-93-4 | mg/kg | 0.005 | 0.5 | | 0.00178 U | 0.00175 U |
| 1,2-Dichlorobenzene | 95-50-1 | mg/kg | | 7200 | | 0.00220 U | 0.00217 U |
| 1,2-Dichloroethane (EDC) | 107-06-2 | mg/kg | | 11 | | 0.00206 U | 0.00203 U |
| 1,2-Dichloropropane | 78-87-5 | mg/kg | | 27 | | 0.00271 U | 0.00267 U |
| 1,3,5-Trimethylbenzene | 108-67-8 | mg/kg | | 800 | | 0.00321 U | 0.00317 U |
| 1,3-Dichlorobenzene | 541-73-1 | mg/kg | | | | 0.00232 U | 0.00230 U |
| 1,3-Dichloropropane | 142-28-9 | mg/kg | | 1600 | | 0.00228 U | 0.00226 U |
| 1,4-Dichlorobenzene | 106-46-7 | mg/kg | | 190 | | **0.00435 J** | **0.00391 J** |
| 2,2-Dichloropropane | 594-20-7 | mg/kg | | | | 0.00285 U | 0.00281 U |
| 2-Butanone | 78-93-3 | mg/kg | | 48000 | | 0.125 U | 0.123 U |
| 2-Chlorotoluene | 95-49-8 | mg/kg | | 1600 | | 0.00182 U | 0.00180 U |
| 4-Chlorotoluene | 106-43-4 | mg/kg | | 1600 | | 0.00217 U | 0.00214 U |
| 4-Methyl-2-pentanone | 108-10-1 | mg/kg | | 6400 | | 0.0140 U | 0.0138 U |
| Acetone | 67-64-1 | mg/kg | | 72000 | | 0.0982 UJ | 0.0970 UJ |
| Acrylonitrile | 107-13-1 | mg/kg | | 1.9 | | 0.0113 U | 0.0112 U |
| Bromobenzene | 108-86-1 | mg/kg | | 640 | | 0.00550 U | 0.00543 U |
| Bromodichloromethane | 75-27-4 | mg/kg | | 16 | | 0.00165 U | 0.00163 U |
| Bromoform | 75-25-2 | mg/kg | | 130 | | 0.0140 U | 0.0138 U |
| Bromomethane | 74-83-9 | mg/kg | | 110 | | 0.0142 U | 0.0141 U |
| Carbon Tetrachloride | 56-23-5 | mg/kg | | 14 | | 0.00424 U | 0.00419 U |
| Chlorobenzene | 108-90-7 | mg/kg | | 1600 | | 0.00121 U | 0.00119 U |
| Chloroethane | 75-00-3 | mg/kg | | | | 0.00802 U | 0.00792 U |
| Chloroform | 67-66-3 | mg/kg | | 32 | | 0.00228 U | 0.00226 U |
| Chloromethane | 74-87-3 | mg/kg | | | | 0.0120 U | 0.0118 U |
| cis-1,2-Dichloroethene (cDCE) | 156-59-2 | mg/kg | | 160 | | 0.00182 U | 0.00180 U |
| cis-1,3-Dichloropropene | 10061-01-5 | mg/kg | | | | 0.00148 U | 0.00146 U |
| Dibromochloromethane | 124-48-1 | mg/kg | | 12 | | 0.00227 U | 0.00224 U |
| Dibromomethane | 74-95-3 | mg/kg | | 800 | | 0.00251 U | 0.00248 U |
| Dichlorodifluoromethane | 75-71-8 | mg/kg | | 16000 | | 0.00613 U | 0.00606 U |
| Diisopropyl ether (DIPE) | 108-20-3 | mg/kg | | | | 0.00108 U | 0.00107 U |
| Hexachlorobutadiene | 87-68-3 | mg/kg | | 13 | | 0.0147 UJ | 0.0145 UJ |
| Isopropylbenzene | 98-82-8 | mg/kg | | 8000 | | 0.00142 U | 0.00141 U |
| Methyl tert-butyl ether (MTBE) | 1634-04-4 | mg/kg | 0.1 | 560 | | 0.00109 U | 0.00108 U |
| Methylene Chloride | 75-09-2 | mg/kg | 0.02 | 94 | | 0.0155 U | 0.0153 U |
| n-Butylbenzene | 104-51-8 | mg/kg | | 4000 | | 0.00881 U | 0.00870 U |
| n-Propylbenzene | 103-65-1 | mg/kg | | 8000 | | 0.00238 U | 0.00235 U |
| p-Isopropyltoluene | 99-87-6 | mg/kg | | 320 | | 0.00300 U | 0.00297 U |
| sec-Butylbenzene | 135-98-8 | mg/kg | | 8000 | | 0.00540 U | 0.00533 U |
| Styrene | 100-42-5 | mg/kg | | 16000 | | 0.00627 U | 0.00620 U |
| tert-Butylbenzene | 98-06-6 | mg/kg | | 8000 | | 0.00266 U | 0.00263 U |
| Tetrachloroethene (PCE) | 127-18-4 | mg/kg | 0.05 | 480 | | 0.00214 U | 0.00212 U |
| trans-1,2-Dichloroethene | 156-60-5 | mg/kg | | 1600 | | 0.00147 U | 0.00145 U |
| trans-1,3-Dichloropropene | 10061-02-6 | mg/kg | | | | 0.00148 U | 0.00146 U |
| Trichloroethene (TCE) | 79-01-6 | mg/kg | 0.03 | 12 | | 0.00126 U | 0.00124 U |
| Trichlorofluoromethane | 75-69-4 | mg/kg | | 24000 | | 0.00368 U | 0.00363 U |
| Vinyl Chloride | 75-01-4 | mg/kg | | 0.67 | | 0.00283 U | 0.00280 U |

**Bold** - detected
Blue Shaded - Detected result exceeded MTCA A screening level
Red text - Detected result exceeded MTCA B screening level
U - Analyte not detected at or above limit shown
J - Result value estimated
UJ - Analyte not detected and the Limit is an estimate
TEQ - Toxic Equivalence Quotient (Calculated sum of)
cPAHs = carcinogenic polycyclic aromatic hydrocarbons
"--" - indicates results not available
mg/kg = milligrams per kilogram

Calculated value rounded to 3 significant figures
MTCA Minimum screening level of carcinogenic or non-carcinogenic levels.
ND = non-detect
ND = 1/2 RDL - calculated using 1/2 the reporting limit for non-detected components
ND = 0 RDL - calculated using 0 for non-detected components
MDL - Detection Limit (Limit at which lab can correctly identify a detection 95% of the time). This lab reported results to the MDL in most cases.

**Table 1. Soil Analytical Results**
**Limited Site Investigation Report**
**1200 West 13th Street in Vancouver, Washington**

| | | | | | | Exploration Identification | SB-02 | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | 07/31/2025 SB-02-9.75 9.75 ft | 07/31/2025 SB-02-14.75 14.75 ft | 07/31/2025 SB-02-19.75 19.75 ft |
| Analyte | CAS rn | Unit | MTCA A Soil | MTCA B Soil | Clark County Background (ECY) | | | | |
| **1_TPHs** | | | | | | | | | |
| Gasoline Range Organics | TPH-GRO | mg/kg | 30 | | | | 1.61 U | 1.63 U | -- |
| Diesel Range Organics | TPH-DRO | mg/kg | 2000 | | | | 1.41 U | 1.41 U | -- |
| Motor Oil Range Organics | TPH-ORO | mg/kg | 2000 | | | | 3.52 U | 3.54 U | -- |
| Diesel and Oil Extended Range Organics (ND=0) | TPH-EXT | mg/kg | 2000 | | | | 10.6 U | 10.6 U | -- |
| Diesel and Oil Extended Range Organics (ND=0) MDL | TPH-EXT_MDL | mg/kg | 2000 | | | | 3.52 U | 3.54 U | -- |
| **Conventionals** | | | | | | | | | |
| Total Solids | TS | % | | | | | **94.6** | **94.0** | **91.2** |
| **Metals** | | | | | | | | | |
| Antimony | 7440-36-0 | mg/kg | | 32 | | | 0.176 U | 0.177 U | 0.182 UJ |
| Arsenic | 7440-38-2 | mg/kg | 20 | 0.67 | 6 | | **1.41** | **1.61** | **2.86** |
| Beryllium | 7440-41-7 | mg/kg | | 160 | 2 | | **0.569 J** | **0.476 J** | **0.542 J** |
| Cadmium | 7440-43-9 | mg/kg | 2 | 80 | 1 | | 0.0904 U | **0.0942 J** | **0.101 J** |
| Chromium | 7440-47-3 | mg/kg | 2000 | 120000 | 27 | | **9.15** | **10.5** | **14.4** |
| Copper | 7440-50-8 | mg/kg | | 3200 | 34 | | **28.0** | **23.0** | **30.3** |
| Lead | 7439-92-1 | mg/kg | 250 | | 17 | | **3.98** | **3.51** | **3.71** |
| Manganese | 7439-96-5 | mg/kg | | 3700 | 1500 | | **629** | **556** | **531** |
| Mercury | 7439-97-6 | mg/kg | 2 | | 0.04 | | 0.0218 U | 0.0219 U | 0.0226 U |
| Nickel | 7440-02-0 | mg/kg | | 1600 | 21 | | **12.6** | **16.7** | **20.4** |
| Selenium | 7782-49-2 | mg/kg | | 400 | | | **0.370 J** | **0.417 J** | **0.376 J** |
| Silver | 7440-22-4 | mg/kg | | 400 | | | 0.0915 U | 0.0920 U | 0.0949 U |
| Titanium | 7440-32-6 | mg/kg | | | | | **4480** | **4910** | **4160 J** |
| Zinc | 7440-66-6 | mg/kg | | 24000 | 96 | | **64.1** | **70.6** | **65.2** |
| **Other SVOCs** | | | | | | | | | |
| 2-Chloronaphthalene | 91-58-7 | mg/kg | | 6400 | | | 0.00136 U | 0.00137 U | -- |
| **PAHs_cPAH** | | | | | | | | | |
| Benz(a)anthracene | 56-55-3 | mg/kg | | | | | 0.00211 U | 0.00213 U | -- |
| Benzo(a)pyrene | 50-32-8 | mg/kg | 0.1 | 0.19 | | | 0.00172 U | 0.00173 U | -- |
| Benzo(b)fluoranthene | 205-99-2 | mg/kg | | | | | 0.00291 U | 0.00292 U | -- |
| Benzo(k)fluoranthene | 207-08-9 | mg/kg | | | | | 0.00225 U | 0.00227 U | -- |
| Chrysene | 218-01-9 | mg/kg | | | | | 0.00218 U | 0.00219 U | -- |
| Dibenzo(a,h)anthracene | 53-70-3 | mg/kg | | | | | 0.00213 U | 0.00214 U | -- |
| Indeno(1,2,3-cd)pyrene | 193-39-5 | mg/kg | | | | | 0.00247 U | 0.00249 U | -- |
| Total cPAHs TEQ (ND = 1/2 MDL) | T-cPAH-1/2U-MDL | mg/kg | 0.1 | | | | 0.00172 U | 0.00173 U | -- |
| Total cPAHs TEQ (ND = 1/2 RDL) | T-cPAH-1/2U | mg/kg | 0.1 | 0.19 | | | 0.00634 U | 0.00638 U | -- |
| **PAHs_Other** | | | | | | | | | |
| 1-Methylnaphthalene | 90-12-0 | mg/kg | | 20 | | | 0.00232 U | 0.00233 U | -- |
| 2-Methylnaphthalene | 91-57-6 | mg/kg | | 320 | | | 0.00604 U | 0.00607 U | -- |
| Acenaphthene | 83-32-9 | mg/kg | | 4800 | | | 0.00171 U | 0.00172 U | -- |
| Acenaphthylene | 208-96-8 | mg/kg | | | | | 0.00168 U | 0.00169 U | -- |
| Anthracene | 120-12-7 | mg/kg | | 24000 | | | 0.00172 U | 0.00173 U | -- |
| Benzo(g,h,i)perylene | 191-24-2 | mg/kg | | | | | 0.00204 U | 0.00205 U | -- |
| Fluoranthene | 206-44-0 | mg/kg | | 3200 | | | 0.00253 U | 0.00254 U | -- |
| Fluorene | 86-73-7 | mg/kg | | 3200 | | | 0.00190 U | 0.00191 U | -- |
| Naphthalene | 91-20-3 | mg/kg | 5 | 1600 | | | 0.00612 U | 0.00616 U | -- |
| Phenanthrene | 85-01-8 | mg/kg | | | | | 0.00323 U | 0.00324 U | -- |
| Pyrene | 129-00-0 | mg/kg | | 2400 | | | 0.00217 U | 0.00218 U | -- |
| **PCBAro** | | | | | | | | | |
| Aroclor 1016 | 12674-11-2 | mg/kg | | 5.6 | | | 0.0108 U | 0.0108 U | -- |
| Aroclor 1221 | 11104-28-2 | mg/kg | | | | | 0.0113 U | 0.0114 U | -- |
| Aroclor 1232 | 11141-16-5 | mg/kg | | | | | 0.0192 U | 0.0194 U | -- |
| Aroclor 1242 | 53469-21-9 | mg/kg | | | | | 0.0107 U | 0.0107 U | -- |
| Aroclor 1248 | 12672-29-6 | mg/kg | | | | | 0.0131 U | 0.0132 U | -- |
| Aroclor 1254 | 11097-69-1 | mg/kg | | 0.5 | | | 0.0110 U | 0.0111 U | -- |
| Aroclor 1260 | 11096-82-5 | mg/kg | | 0.5 | | | 0.0116 U | 0.0117 U | -- |
| Total PCBs (Sum of Aroclors) (ND = 0) | T-PCBs | mg/kg | 1 | 0.5 | | | 0.036 U | 0.0362 U | -- |
| Total PCBs (Sum of Aroclors) (ND = 0) MDL | T-PCBsMDL | mg/kg | 1 | | | | 0.0192 U | 0.0194 U | -- |
| **VOC_BTEX** | | | | | | | | | |
| Benzene | 71-43-2 | mg/kg | 0.03 | 18 | | | 0.000845 U | 0.000855 U | -- |
| Toluene | 108-88-3 | mg/kg | 7 | 6400 | | | 0.00343 U | 0.00347 U | -- |
| Ethylbenzene | 100-41-4 | mg/kg | 6 | 8000 | | | 0.00118 U | 0.00119 U | -- |
| Total Xylenes | 1330-20-7 | mg/kg | 9 | 16000 | | | 0.00333 U | 0.00337 U | -- |
| **VOCs** | | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | 630-20-6 | mg/kg | | 38 | | | 0.00154 U | 0.00156 U | -- |
| 1,1,1-Trichloroethane | 71-55-6 | mg/kg | 2 | 160000 | | | 0.00172 U | 0.00174 U | -- |
| 1,1,2,2-Tetrachloroethane | 79-34-5 | mg/kg | | 5 | | | 0.00138 U | 0.00139 U | -- |
| 1,1,2-Trichloroethane | 79-00-5 | mg/kg | | 18 | | | 0.00159 U | 0.00161 U | -- |
| 1,1,2-Trichlorotrifluoroethane | 76-13-1 | mg/kg | | 2400000 | | | 0.00334 U | 0.00338 U | -- |
| 1,1-Dichloroethane | 75-34-3 | mg/kg | | 180 | | | 0.00120 U | 0.00121 U | -- |
| 1,1-Dichloroethene | 75-35-4 | mg/kg | | 4000 | | | 0.00182 U | 0.00184 U | -- |
| 1,1-Dichloropropene | 563-58-6 | mg/kg | | | | | 0.00164 U | 0.00166 U | -- |
| 1,2,3-Trichlorobenzene | 87-61-6 | mg/kg | | 64 | | | 0.00831 U | 0.00840 U | -- |
| 1,2,3-Trichloropropane | 96-18-4 | mg/kg | | 0.0063 | | | 0.00728 U | 0.00736 U | -- |
| 1,2,3-Trimethylbenzene | 526-73-8 | mg/kg | | 800 | | | 0.00217 U | 0.00219 U | -- |
| 1,2,4-Trichlorobenzene | 120-82-1 | mg/kg | | 34 | | | 0.00644 U | 0.00651 U | -- |
| 1,2,4-Trimethylbenzene | 95-63-6 | mg/kg | | 800 | | | 0.00283 U | 0.00286 U | -- |
| 1,2-Dibromo-3-chloropropane | 96-12-8 | mg/kg | | 0.23 | | | 0.0127 U | 0.0128 U | -- |
| 1,2-Dibromoethane (EDB) | 106-93-4 | mg/kg | 0.005 | 0.5 | | | 0.00150 U | 0.00152 U | -- |
| 1,2-Dichlorobenzene | 95-50-1 | mg/kg | | 7200 | | | 0.00186 U | 0.00188 U | -- |
| 1,2-Dichloroethane (EDC) | 107-06-2 | mg/kg | | 11 | | | 0.00173 U | 0.00175 U | -- |
| 1,2-Dichloropropane | 78-87-5 | mg/kg | | 27 | | | 0.00228 U | 0.00230 U | -- |
| 1,3,5-Trimethylbenzene | 108-67-8 | mg/kg | | 800 | | | 0.00271 U | 0.00274 U | -- |
| 1,3-Dichlorobenzene | 541-73-1 | mg/kg | | | | | 0.00197 U | 0.00199 U | -- |
| 1,3-Dichloropropane | 142-28-9 | mg/kg | | 1600 | | | 0.00192 U | 0.00194 U | -- |
| 1,4-Dichlorobenzene | 106-46-7 | mg/kg | | 190 | | | **0.00479 J** | **0.00466 J** | -- |
| 2,2-Dichloropropane | 594-20-7 | mg/kg | | | | | 0.00240 U | 0.00243 U | -- |
| 2-Butanone | 78-93-3 | mg/kg | | 48000 | | | 0.105 U | 0.107 U | -- |
| 2-Chlorotoluene | 95-49-8 | mg/kg | | 1600 | | | 0.00153 U | 0.00155 U | -- |
| 4-Chlorotoluene | 106-43-4 | mg/kg | | 1600 | | | 0.00183 U | 0.00185 U | -- |
| 4-Methyl-2-pentanone | 108-10-1 | mg/kg | | 6400 | | | 0.0118 U | 0.0119 U | -- |
| Acetone | 67-64-1 | mg/kg | | 72000 | | | 0.0829 U | 0.0838 U | -- |
| Acrylonitrile | 107-13-1 | mg/kg | | 1.9 | | | 0.00954 U | 0.00965 U | -- |
| Bromobenzene | 108-86-1 | mg/kg | | 640 | | | 0.00463 U | 0.00468 U | -- |
| Bromodichloromethane | 75-27-4 | mg/kg | | 16 | | | 0.00139 U | 0.00140 U | -- |
| Bromoform | 75-25-2 | mg/kg | | 130 | | | 0.0118 U | 0.0119 U | -- |
| Bromomethane | 74-83-9 | mg/kg | | 110 | | | 0.0120 U | 0.0121 U | -- |
| Carbon Tetrachloride | 56-23-5 | mg/kg | | 14 | | | 0.00358 U | 0.00362 U | -- |
| Chlorobenzene | 108-90-7 | mg/kg | | 1600 | | | 0.00102 U | 0.00103 U | -- |
| Chloroethane | 75-00-3 | mg/kg | | | | | 0.00677 UJ | 0.00684 UJ | -- |
| Chloroform | 67-66-3 | mg/kg | | 32 | | | 0.00192 U | 0.00194 U | -- |
| Chloromethane | 74-87-3 | mg/kg | | | | | 0.0101 U | 0.0102 U | -- |
| cis-1,2-Dichloroethene (cDCE) | 156-59-2 | mg/kg | | 160 | | | 0.00153 U | 0.00155 U | -- |
| cis-1,3-Dichloropropene | 10061-01-5 | mg/kg | | | | | 0.00124 U | 0.00126 U | -- |
| Dibromochloromethane | 124-48-1 | mg/kg | | 12 | | | 0.00191 U | 0.00193 U | -- |
| Dibromomethane | 74-95-3 | mg/kg | | 800 | | | 0.00211 U | 0.00213 U | -- |
| Dichlorodifluoromethane | 75-71-8 | mg/kg | | 16000 | | | 0.00517 U | 0.00522 U | -- |
| Diisopropyl ether (DIPE) | 108-20-3 | mg/kg | | | | | 0.000914 U | 0.000924 U | -- |
| Hexachlorobutadiene | 87-68-3 | mg/kg | | 13 | | | 0.0124 U | 0.0126 U | -- |
| Isopropylbenzene | 98-82-8 | mg/kg | | 8000 | | | 0.00120 U | 0.00121 U | -- |
| Methyl tert-butyl ether (MTBE) | 1634-04-4 | mg/kg | 0.1 | 560 | | | 0.000919 U | 0.000929 U | -- |
| Methylene Chloride | 75-09-2 | mg/kg | 0.02 | 94 | | | 0.0131 U | 0.0133 U | -- |
| n-Butylbenzene | 104-51-8 | mg/kg | | 4000 | | | 0.00743 U | 0.00751 U | -- |
| n-Propylbenzene | 103-65-1 | mg/kg | | 8000 | | | 0.00201 U | 0.00203 U | -- |
| p-Isopropyltoluene | 99-87-6 | mg/kg | | 320 | | | 0.00253 U | 0.00256 U | -- |
| sec-Butylbenzene | 135-98-8 | mg/kg | | 8000 | | | 0.00455 U | 0.00460 U | -- |
| Styrene | 100-42-5 | mg/kg | | 16000 | | | 0.00529 U | 0.00535 U | -- |
| tert-Butylbenzene | 98-06-6 | mg/kg | | 8000 | | | 0.00224 U | 0.00227 U | -- |
| Tetrachloroethene (PCE) | 127-18-4 | mg/kg | 0.05 | 480 | | | 0.00181 U | 0.00183 U | -- |
| trans-1,2-Dichloroethene | 156-60-5 | mg/kg | | 1600 | | | 0.00123 U | 0.00125 U | -- |
| trans-1,3-Dichloropropene | 10061-02-6 | mg/kg | | | | | 0.00124 U | 0.00126 U | -- |
| Trichloroethene (TCE) | 79-01-6 | mg/kg | 0.03 | 12 | | | 0.00196 U | 0.00197 U | -- |
| Trichlorofluoromethane | 75-69-4 | mg/kg | | 24000 | | | 0.00310 U | 0.00313 U | -- |
| Vinyl Chloride | 75-01-4 | mg/kg | | 0.67 | | | 0.00239 U | 0.00241 U | -- |

**Bold** - detected
Blue Shaded - Detected result exceeded MTCA A screening level
Red text - Detected result exceeded MTCA B screening level
U - Analyte not detected at or above limit shown
J - Result value estimated
UJ - Analyte not detected and the Limit is an estimate
TEQ - Toxic Equivalence Quotient (Calculated sum of)
cPAHs = carcinogenic polycyclic aromatic hydrocarbons
"--" - indicates results not available
mg/kg = milligrams per kilogram

Calculated value rounded to 3 significant figures
MTCA Minimum screening level of carcinogenic or non-carcinogenic levels.
ND = non-detect
ND = 1/2 RDL - calculated using 1/2 the reporting limit for non-detected components
ND = 0 RDL - calculated using 0 for non-detected components
MDL - Detection Limit (Limit at which lab can correctly identify a detection 95% of the time). This lab reported results to the MDL in most cases.

| | | | | | | Exploration Identification | SB-03 | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | 07/31/2025 SB-03-8.75 8.75 ft | 07/31/2025 SB-03-14.75 14.75 ft | 07/31/2025 SB-03-19.75 19.75 ft |
| Analyte | CAS rn | Unit | MTCA A Soil | MTCA B Soil | Clark County Background (ECY) | | | | |
| **1_TPHs** | | | | | | | | | |
| Gasoline Range Organics | TPH-GRO | mg/kg | 30 | | | | 1.68 U | 1.70 U | -- |
| Diesel Range Organics | TPH-DRO | mg/kg | 2000 | | | | 1.48 U | 1.42 U | -- |
| Motor Oil Range Organics | TPH-ORO | mg/kg | 2000 | | | | 3.71 U | 3.55 U | -- |
| Diesel and Oil Extended Range Organics (ND=0) | TPH-EXT | mg/kg | 2000 | | | | 11.1 U | 10.7 U | -- |
| Diesel and Oil Extended Range Organics (ND=0) MDL | TPH-EXT_MDL | mg/kg | 2000 | | | | 3.71 U | 3.55 U | -- |
| **Conventionals** | | | | | | | | | |
| Total Solids | TS | % | | | | | **89.8** | **93.8** | **91.6** |
| **Metals** | | | | | | | | | |
| Antimony | 7440-36-0 | mg/kg | | 32 | | | 0.185 U | 0.177 U | 0.181 U |
| Arsenic | 7440-38-2 | mg/kg | 20 | 0.67 | 6 | | **1.86** | **1.39** | **2.80** |
| Beryllium | 7440-41-7 | mg/kg | | 160 | 2 | | **0.700 J** | **0.554 J** | **0.658 J** |
| Cadmium | 7440-43-9 | mg/kg | 2 | 80 | 1 | | 0.0952 U | 0.0911 U | **0.124 J** |
| Chromium | 7440-47-3 | mg/kg | 2000 | 120000 | 27 | | **5.61** | **14.9** | **13.3** |
| Copper | 7440-50-8 | mg/kg | | 3200 | 34 | | **25.6** | **30.6** | **31.6** |
| Lead | 7439-92-1 | mg/kg | 250 | | 17 | | **5.94** | **3.34** | **4.50** |
| Manganese | 7439-96-5 | mg/kg | | 3700 | 1500 | | **436** | **472** | **579** |
| Mercury | 7439-97-6 | mg/kg | 2 | | 0.04 | | 0.0229 U | 0.0220 U | 0.0225 U |
| Nickel | 7440-02-0 | mg/kg | | 1600 | 21 | | **9.04** | **19.1** | **20.9** |
| Selenium | 7782-49-2 | mg/kg | | 400 | | | **0.308 J** | **0.300 J** | **0.501 J** |
| Silver | 7440-22-4 | mg/kg | | 400 | | | 0.0963 U | 0.0922 U | 0.0944 U |
| Titanium | 7440-32-6 | mg/kg | | | | | **7220** | **3600** | **4960** |
| Zinc | 7440-66-6 | mg/kg | | 24000 | 96 | | **76.1** | **62.9** | **82.5** |
| **Other SVOCs** | | | | | | | | | |
| 2-Chloronaphthalene | 91-58-7 | mg/kg | | 6400 | | | 0.00144 U | 0.00137 U | -- |
| **PAHs_cPAH** | | | | | | | | | |
| Benz(a)anthracene | 56-55-3 | mg/kg | | | | | 0.00223 U | 0.00213 U | -- |
| Benzo(a)pyrene | 50-32-8 | mg/kg | 0.1 | 0.19 | | | 0.00181 U | 0.00174 U | -- |
| Benzo(b)fluoranthene | 205-99-2 | mg/kg | | | | | 0.00306 U | 0.00293 U | -- |
| Benzo(k)fluoranthene | 207-08-9 | mg/kg | | | | | 0.00237 U | 0.00227 U | -- |
| Chrysene | 218-01-9 | mg/kg | | | | | 0.00229 U | 0.00220 U | -- |
| Dibenzo(a,h)anthracene | 53-70-3 | mg/kg | | | | | 0.00224 U | 0.00214 U | -- |
| Indeno(1,2,3-cd)pyrene | 193-39-5 | mg/kg | | | | | 0.00261 U | 0.00249 U | -- |
| Total cPAHs TEQ (ND = 1/2 MDL) | T-cPAH-1/2U-MDL | mg/kg | 0.1 | | | | 0.00181 U | 0.00174 U | -- |
| Total cPAHs TEQ (ND = 1/2 RDL) | T-cPAH-1/2U | mg/kg | 0.1 | 0.19 | | | 0.00668 U | 0.00639 U | -- |
| **PAHs_Other** | | | | | | | | | |
| 1-Methylnaphthalene | 90-12-0 | mg/kg | | 20 | | | 0.00244 U | 0.00233 U | -- |
| 2-Methylnaphthalene | 91-57-6 | mg/kg | | 320 | | | 0.00636 U | 0.00609 U | -- |
| Acenaphthene | 83-32-9 | mg/kg | | 4800 | | | 0.00180 U | 0.00173 U | -- |
| Acenaphthylene | 208-96-8 | mg/kg | | | | | 0.00177 U | 0.00169 U | -- |
| Anthracene | 120-12-7 | mg/kg | | 24000 | | | 0.00181 U | 0.00174 U | -- |
| Benzo(g,h,i)perylene | 191-24-2 | mg/kg | | | | | 0.00215 U | 0.00206 U | -- |
| Fluoranthene | 206-44-0 | mg/kg | | 3200 | | | 0.00266 U | 0.00255 U | -- |
| Fluorene | 86-73-7 | mg/kg | | 3200 | | | 0.00200 U | 0.00192 U | -- |
| Naphthalene | 91-20-3 | mg/kg | 5 | 1600 | | | 0.00645 U | 0.00617 U | -- |
| Phenanthrene | 85-01-8 | mg/kg | | | | | 0.00340 U | 0.00325 U | -- |
| Pyrene | 129-00-0 | mg/kg | | 2400 | | | 0.00228 U | 0.00218 U | -- |
| **PCBAro** | | | | | | | | | |
| Aroclor 1016 | 12674-11-2 | mg/kg | | 5.6 | | | 0.0114 U | 0.0109 U | -- |
| Aroclor 1221 | 11104-28-2 | mg/kg | | | | | 0.0119 U | 0.0114 U | -- |
| Aroclor 1232 | 11141-16-5 | mg/kg | | | | | 0.0203 U | 0.0194 U | -- |
| Aroclor 1242 | 53469-21-9 | mg/kg | | | | | 0.0112 U | 0.0108 U | -- |
| Aroclor 1248 | 12672-29-6 | mg/kg | | | | | 0.0138 U | 0.0132 U | -- |
| Aroclor 1254 | 11097-69-1 | mg/kg | | 0.5 | | | 0.0116 U | 0.0111 U | -- |
| Aroclor 1260 | 11096-82-5 | mg/kg | | 0.5 | | | 0.0122 U | 0.0117 U | -- |
| Total PCBs (Sum of Aroclors) (ND = 0) | T-PCBs | mg/kg | 1 | 0.5 | | | 0.0379 U | 0.0362 U | -- |
| Total PCBs (Sum of Aroclors) (ND = 0) MDL | T-PCBsMDL | mg/kg | 1 | | | | 0.0203 U | 0.0194 U | -- |
| **VOC_BTEX** | | | | | | | | | |
| Benzene | 71-43-2 | mg/kg | 0.03 | 18 | | | 0.000883 U | 0.000895 U | -- |
| Toluene | 108-88-3 | mg/kg | 7 | 6400 | | | 0.00359 U | 0.00364 U | -- |
| Ethylbenzene | 100-41-4 | mg/kg | 6 | 8000 | | | 0.00123 U | 0.00125 U | -- |
| Total Xylenes | 1330-20-7 | mg/kg | 9 | 16000 | | | 0.00348 U | 0.00353 U | -- |
| **VOCs** | | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | 630-20-6 | mg/kg | | 38 | | | 0.00161 U | 0.00164 U | -- |
| 1,1,1-Trichloroethane | 71-55-6 | mg/kg | 2 | 160000 | | | 0.00180 U | 0.00182 U | -- |
| 1,1,2,2-Tetrachloroethane | 79-34-5 | mg/kg | | 5 | | | 0.00144 U | 0.00146 U | -- |
| 1,1,2-Trichloroethane | 79-00-5 | mg/kg | | 18 | | | 0.00166 U | 0.00169 U | -- |
| 1,1,2-Trichlorotrifluoroethane | 76-13-1 | mg/kg | | 2400000 | | | 0.00349 U | 0.00354 U | -- |
| 1,1-Dichloroethane | 75-34-3 | mg/kg | | 180 | | | 0.00125 U | 0.00127 U | -- |
| 1,1-Dichloroethene | 75-35-4 | mg/kg | | 4000 | | | 0.00190 U | 0.00192 U | -- |
| 1,1-Dichloropropene | 563-58-6 | mg/kg | | | | | 0.00171 U | 0.00174 U | -- |
| 1,2,3-Trichlorobenzene | 87-61-6 | mg/kg | | 64 | | | 0.00868 U | 0.00881 U | -- |
| 1,2,3-Trichloropropane | 96-18-4 | mg/kg | | 0.0063 | | | 0.00760 U | 0.00770 U | -- |
| 1,2,3-Trimethylbenzene | 526-73-8 | mg/kg | | 800 | | | 0.00226 U | 0.00229 U | -- |
| 1,2,4-Trichlorobenzene | 120-82-1 | mg/kg | | 34 | | | 0.00673 U | 0.00683 U | -- |
| 1,2,4-Trimethylbenzene | 95-63-6 | mg/kg | | 800 | | | 0.00296 U | 0.00300 U | -- |
| 1,2-Dibromo-3-chloropropane | 96-12-8 | mg/kg | | 0.23 | | | 0.0133 U | 0.0135 U | -- |
| 1,2-Dibromoethane (EDB) | 106-93-4 | mg/kg | 0.005 | 0.5 | | | 0.00156 U | 0.00159 U | -- |
| 1,2-Dichlorobenzene | 95-50-1 | mg/kg | | 7200 | | | 0.00194 U | 0.00197 U | -- |
| 1,2-Dichloroethane (EDC) | 107-06-2 | mg/kg | | 11 | | | 0.00181 U | 0.00184 U | -- |
| 1,2-Dichloropropane | 78-87-5 | mg/kg | | 27 | | | 0.00238 U | 0.00242 U | -- |
| 1,3,5-Trimethylbenzene | 108-67-8 | mg/kg | | 800 | | | 0.00283 U | 0.00287 U | -- |
| 1,3-Dichlorobenzene | 541-73-1 | mg/kg | | | | | 0.00205 U | 0.00208 U | -- |
| 1,3-Dichloropropane | 142-28-9 | mg/kg | | 1600 | | | 0.00201 U | 0.00204 U | -- |
| 1,4-Dichlorobenzene | 106-46-7 | mg/kg | | 190 | | | 0.00217 U | 0.00220 U | -- |
| 2,2-Dichloropropane | 594-20-7 | mg/kg | | | | | 0.00251 U | 0.00254 U | -- |
| 2-Butanone | 78-93-3 | mg/kg | | 48000 | | | 0.110 U | 0.112 U | -- |
| 2-Chlorotoluene | 95-49-8 | mg/kg | | 1600 | | | 0.00160 U | 0.00162 U | -- |
| 4-Chlorotoluene | 106-43-4 | mg/kg | | 1600 | | | 0.00191 U | 0.00193 U | -- |
| 4-Methyl-2-pentanone | 108-10-1 | mg/kg | | 6400 | | | 0.0123 U | 0.0125 U | -- |
| Acetone | 67-64-1 | mg/kg | | 72000 | | | 0.0866 U | 0.0878 U | -- |
| Acrylonitrile | 107-13-1 | mg/kg | | 1.9 | | | 0.00997 U | 0.0101 U | -- |
| Bromobenzene | 108-86-1 | mg/kg | | 640 | | | 0.00484 U | 0.00491 U | -- |
| Bromodichloromethane | 75-27-4 | mg/kg | | 16 | | | 0.00145 U | 0.00147 U | -- |
| Bromoform | 75-25-2 | mg/kg | | 130 | | | 0.0123 U | 0.0125 U | -- |
| Bromomethane | 74-83-9 | mg/kg | | 110 | | | 0.0125 U | 0.0127 U | -- |
| Carbon Tetrachloride | 56-23-5 | mg/kg | | 14 | | | 0.00374 U | 0.00379 U | -- |
| Chlorobenzene | 108-90-7 | mg/kg | | 1600 | | | 0.00107 U | 0.00108 U | -- |
| Chloroethane | 75-00-3 | mg/kg | | | | | 0.00707 UJ | 0.00716 UJ | -- |
| Chloroform | 67-66-3 | mg/kg | | 32 | | | 0.00201 U | 0.00204 U | -- |
| Chloromethane | 74-87-3 | mg/kg | | | | | 0.0106 U | 0.0107 U | -- |
| cis-1,2-Dichloroethene (cDCE) | 156-59-2 | mg/kg | | 160 | | | 0.00160 U | 0.00162 U | -- |
| cis-1,3-Dichloropropene | 10061-01-5 | mg/kg | | | | | 0.00130 U | 0.00133 U | -- |
| Dibromochloromethane | 124-48-1 | mg/kg | | 12 | | | 0.00200 U | 0.00202 U | -- |
| Dibromomethane | 74-95-3 | mg/kg | | 800 | | | 0.00221 U | 0.00224 U | -- |
| Dichlorodifluoromethane | 75-71-8 | mg/kg | | 16000 | | | 0.00540 U | 0.00548 U | -- |
| Diisopropyl ether (DIPE) | 108-20-3 | mg/kg | | | | | 0.000955 U | 0.000968 U | -- |
| Hexachlorobutadiene | 87-68-3 | mg/kg | | 13 | | | 0.0129 U | 0.0132 U | -- |
| Isopropylbenzene | 98-82-8 | mg/kg | | 8000 | | | 0.00125 U | 0.00127 U | -- |
| Methyl tert-butyl ether (MTBE) | 1634-04-4 | mg/kg | 0.1 | 560 | | | 0.000960 U | 0.000974 U | -- |
| Methylene Chloride | 75-09-2 | mg/kg | 0.02 | 94 | | | 0.0137 U | 0.0138 U | -- |
| n-Butylbenzene | 104-51-8 | mg/kg | | 4000 | | | 0.00776 U | 0.00787 U | -- |
| n-Propylbenzene | 103-65-1 | mg/kg | | 8000 | | | 0.00210 U | 0.00213 U | -- |
| p-Isopropyltoluene | 99-87-6 | mg/kg | | 320 | | | 0.00265 U | 0.00269 U | -- |
| sec-Butylbenzene | 135-98-8 | mg/kg | | 8000 | | | 0.00476 U | 0.00482 U | -- |
| Styrene | 100-42-5 | mg/kg | | 16000 | | | 0.00553 U | 0.00560 U | -- |
| tert-Butylbenzene | 98-06-6 | mg/kg | | 8000 | | | 0.00235 U | 0.00238 U | -- |
| Tetrachloroethene (PCE) | 127-18-4 | mg/kg | 0.05 | 480 | | | 0.00189 U | 0.00191 U | -- |
| trans-1,2-Dichloroethene | 156-60-5 | mg/kg | | 1600 | | | 0.00129 U | 0.00130 U | -- |
| trans-1,3-Dichloropropene | 10061-02-6 | mg/kg | | | | | 0.00130 U | 0.00133 U | -- |
| Trichloroethene (TCE) | 79-01-6 | mg/kg | 0.03 | 12 | | | 0.00111 U | 0.00112 U | -- |
| Trichlorofluoromethane | 75-69-4 | mg/kg | | 24000 | | | 0.00324 U | 0.00328 U | -- |
| Vinyl Chloride | 75-01-4 | mg/kg | | 0.67 | | | 0.00250 U | 0.00253 U | -- |

**Bold** - detected
Blue Shaded - Detected result exceeded MTCA A screening level
Red text - Detected result exceeded MTCA B screening level
U - Analyte not detected at or above limit shown
J - Result value estimated
UJ - Analyte not detected and the Limit is an estimate
TEQ - Toxic Equivalence Quotient (Calculated sum of)
cPAHs = carcinogenic polycyclic aromatic hydrocarbons
"--" - indicates results not available
mg/kg = milligrams per kilogram

Calculated value rounded to 3 significant figures
MTCA Minimum screening level of carcinogenic or non-carcinogenic levels.
ND = non-detect
ND = 1/2 RDL - calculated using 1/2 the reporting limit for non-detected components
ND = 0 RDL - calculated using 0 for non-detected components
MDL - Detection Limit (Limit at which lab can correctly identify a detection 95% of the time). This lab reported results to the MDL in most cases.

**Table 1. Soil Analytical Results**
**Limited Site Investigation Report**
**1200 West 13th Street in Vancouver, Washington**



| | | | | | Exploration Identification | SB-04 | | SB-05 | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | 07/31/2025 SB-04-2.25 2.25 ft | 07/31/2025 SB-04-7.75 7.75 ft | 07/31/2025 SB-05-2.75 2.75 ft | 07/31/2025 SB-05-9.25 9.25 ft |
| Analyte | CAS rn | Unit | MTCA A Soil | MTCA B Soil | Clark County Background (ECY) | | | | |
| **1_TPHs** | | | | | | | | | |
| Gasoline Range Organics | TPH-GRO | mg/kg | 30 | | | **1.57 J** | 1.75 U | 1.74 UJ | 1.69 U |
| Diesel Range Organics | TPH-DRO | mg/kg | 2000 | | | 275 U | 1.46 U | **187** | 1.42 U |
| Motor Oil Range Organics | TPH-ORO | mg/kg | 2000 | | | **3220** | 3.66 U | **1270** | **3.71 J** |
| Diesel and Oil Extended Range Organics (ND=0) | TPH-EXT | mg/kg | 2000 | | | **3220** | 11 U | **1460** | **3.71 J** |
| Diesel and Oil Extended Range Organics (ND=0) MDL | TPH-EXT_MDL | mg/kg | 2000 | | | **3220** | 3.66 U | **1460** | **3.71 J** |
| **Conventionals** | | | | | | | | | |
| Total Solids | TS | % | | | | **96.9** | **91.0** | **93.4** | **93.8** |
| **Metals** | | | | | | | | | |
| Antimony | 7440-36-0 | mg/kg | | 32 | | **0.671 J** | 0.182 U | **1.07 J** | 0.177 U |
| Arsenic | 7440-38-2 | mg/kg | 20 | 0.67 | 6 | **4.29** | **1.63** | **3.33** | **1.45** |
| Beryllium | 7440-41-7 | mg/kg | | 160 | 2 | **0.390 J** | **0.461 J** | **0.469 J** | **0.404 J** |
| Cadmium | 7440-43-9 | mg/kg | 2 | 80 | 1 | **8.62** | **0.119 J** | **0.542 J** | 0.0911 U |
| Chromium | 7440-47-3 | mg/kg | 2000 | 120000 | 27 | **24.5** | **11.6** | **17.9** | **13.1** |
| Copper | 7440-50-8 | mg/kg | | 3200 | 34 | **53.5** | **30.9** | **57.9** | **25.1** |
| Lead | 7439-92-1 | mg/kg | 250 | | 17 | **245** | **3.53** | **221** | **3.11** |
| Manganese | 7439-96-5 | mg/kg | | 3700 | 1500 | **607** | **419** | **547** | **462** |
| Mercury | 7439-97-6 | mg/kg | 2 | | 0.04 | 0.0213 U | 0.0226 U | **0.0503** | 0.0220 U |
| Nickel | 7440-02-0 | mg/kg | | 1600 | 21 | **23.4** | **22.5** | **20.8** | **16.7** |
| Selenium | 7782-49-2 | mg/kg | | 400 | | **0.396 J** | **0.319 J** | **0.316 J** | **0.306 J** |
| Silver | 7440-22-4 | mg/kg | | 400 | | **0.167 J** | 0.0950 U | **0.395 J** | 0.0922 U |
| Titanium | 7440-32-6 | mg/kg | | | | **3690** | **4040** | **3500** | **3770** |
| Zinc | 7440-66-6 | mg/kg | | 24000 | 96 | **4100** | **65.9** | **207** | **61.7** |
| **Other SVOCs** | | | | | | | | | |
| 2-Chloronaphthalene | 91-58-7 | mg/kg | | 6400 | | 0.00133 U | 0.00142 U | 0.00138 U | 0.00138 U |
| **PAHs_cPAH** | | | | | | | | | |
| Benz(a)anthracene | 56-55-3 | mg/kg | | | | **0.0133** | 0.00220 U | **0.0111** | 0.00213 U |
| Benzo(a)pyrene | 50-32-8 | mg/kg | 0.1 | 0.19 | | **0.0219** | 0.00179 U | **0.0143** | 0.00174 U |
| Benzo(b)fluoranthene | 205-99-2 | mg/kg | | | | **0.0350** | 0.00302 U | **0.0193** | 0.00293 U |
| Benzo(k)fluoranthene | 207-08-9 | mg/kg | | | | **0.00424 J** | 0.00234 U | **0.00385 J** | 0.00227 U |
| Chrysene | 218-01-9 | mg/kg | | | | **0.0239** | 0.00226 U | **0.0214** | 0.00220 U |
| Dibenzo(a,h)anthracene | 53-70-3 | mg/kg | | | | 0.00208 U | 0.00221 U | **0.00742** | 0.00214 U |
| Indeno(1,2,3-cd)pyrene | 193-39-5 | mg/kg | | | | 0.00242 U | 0.00257 U | **0.0124** | 0.00249 U |
| Total PAHs TEQ (ND = 1/2 MDL) | T-cPAH-1/2U-MDL | mg/kg | 0.1 | | | **0.0276 J** | 0.00179 U | **0.0199 J** | 0.00174 U |
| Total cPAHs TEQ (ND = 1/2 RDL) | T-cPAH-1/2U | mg/kg | 0.1 | 0.19 | | **0.028 J** | 0.00659 U | **0.0199 J** | 0.0064 U |
| **PAHs_Other** | | | | | | | | | |
| 1-Methylnaphthalene | 90-12-0 | mg/kg | | 20 | | **0.00792 J** | 0.00241 U | **0.00751 J** | 0.00233 U |
| 2-Methylnaphthalene | 91-57-6 | mg/kg | | 320 | | **0.0108 J** | 0.00627 U | **0.00890 J** | 0.00609 U |
| Acenaphthene | 83-32-9 | mg/kg | | 4800 | | 0.00167 U | 0.00178 U | 0.00173 U | 0.00173 U |
| Acenaphthylene | 208-96-8 | mg/kg | | | | **0.00286 J** | 0.00175 U | **0.00191 J** | 0.00169 U |
| Anthracene | 120-12-7 | mg/kg | | 24000 | | **0.00221 J** | 0.00179 U | 0.00175 U | 0.00174 U |
| Benzo(g,h,i)perylene | 191-24-2 | mg/kg | | | | **0.0456** | 0.00212 U | **0.0297** | 0.00206 U |
| Fluoranthene | 206-44-0 | mg/kg | | 3200 | | **0.0255** | 0.00263 U | **0.0109** | 0.00255 U |
| Fluorene | 86-73-7 | mg/kg | | 3200 | | 0.00186 U | 0.00198 U | 0.00193 U | 0.00192 U |
| Naphthalene | 91-20-3 | mg/kg | 5 | 1600 | | **0.0870** | 0.00636 U | **0.0184** | 0.00617 U |
| Phenanthrene | 85-01-8 | mg/kg | | | | **0.0172** | 0.00335 U | **0.0148** | 0.00325 U |
| Pyrene | 129-00-0 | mg/kg | | 2400 | | **0.0299** | 0.00225 U | **0.0168** | 0.00219 U |
| **PCBAro** | | | | | | | | | |
| Aroclor 1016 | 12674-11-2 | mg/kg | | 5.6 | | 0.0105 U | 0.0112 U | 0.0109 U | 0.0109 U |
| Aroclor 1221 | 11104-28-2 | mg/kg | | | | 0.0110 U | 0.0118 U | 0.0115 U | 0.0114 U |
| Aroclor 1232 | 11141-16-5 | mg/kg | | | | 0.0188 U | 0.0200 U | 0.0195 U | 0.0194 U |
| Aroclor 1242 | 53469-21-9 | mg/kg | | | | **0.247** | 0.0111 U | 0.0108 U | 0.0108 U |
| Aroclor 1248 | 12672-29-6 | mg/kg | | | | 0.0128 U | 0.0136 U | 0.0133 U | 0.0132 U |
| Aroclor 1254 | 11097-69-1 | mg/kg | | 0.5 | | 0.0107 U | 0.0114 U | 0.0111 U | 0.0111 U |
| Aroclor 1260 | 11096-82-5 | mg/kg | | 0.5 | | **0.0507 J** | 0.0121 U | 0.0118 U | 0.0117 U |
| Total PCBs (Sum of Aroclors) (ND = 0) | T-PCBs | mg/kg | 1 | 0.5 | | **0.298 J** | 0.0373 U | 0.0364 U | 0.0362 U |
| Total PCBs (Sum of Aroclors) (ND = 0) MDL | T-PCBsMDL | mg/kg | 1 | | | **0.298 J** | 0.02 U | 0.0195 U | 0.0194 U |
| **VOC_BTEX** | | | | | | | | | |
| Benzene | 71-43-2 | mg/kg | 0.03 | 18 | | **0.00577** | 0.000921 U | **0.00100 J** | 0.000851 U |
| Toluene | 108-88-3 | mg/kg | 7 | 6400 | | **0.0373** | 0.00374 U | **0.0109** | 0.00345 U |
| Ethylbenzene | 100-41-4 | mg/kg | 6 | 8000 | | **0.00651** | 0.00128 U | **0.0173** | 0.00118 U |
| Total Xylenes | 1330-20-7 | mg/kg | 9 | 16000 | | **0.0827** | 0.00363 U | **0.133** | 0.00335 U |
| **VOCs** | | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | 630-20-6 | mg/kg | | 38 | | 0.00138 U | 0.00169 U | 0.00168 U | 0.00156 U |
| 1,1,1-Trichloroethane | 71-55-6 | mg/kg | 2 | 160000 | | 0.00154 U | 0.00188 U | 0.00187 U | 0.00174 U |
| 1,1,2,2-Tetrachloroethane | 79-34-5 | mg/kg | | 5 | | 0.00124 U | 0.00150 U | 0.00150 U | 0.00139 U |
| 1,1,2-Trichloroethane | 79-00-5 | mg/kg | | 18 | | 0.00143 U | 0.00174 U | 0.00173 U | 0.00160 U |
| 1,1,2-Trichlorotrifluoroethane | 76-13-1 | mg/kg | | 2400000 | | 0.00299 U | 0.00364 U | 0.00362 U | 0.00336 U |
| 1,1-Dichloroethane | 75-34-3 | mg/kg | | 180 | | 0.00108 U | 0.00131 U | 0.00130 U | 0.00121 U |
| 1,1-Dichloroethene | 75-35-4 | mg/kg | | 4000 | | 0.00163 U | 0.00199 U | 0.00197 U | 0.00183 U |
| 1,1-Dichloropropene | 563-58-6 | mg/kg | | | | 0.00147 U | 0.00178 U | 0.00178 U | 0.00165 U |
| 1,2,3-Trichlorobenzene | 87-61-6 | mg/kg | | 64 | | 0.00745 U | 0.00906 U | 0.00903 U | 0.00836 U |
| 1,2,3-Trichloropropane | 96-18-4 | mg/kg | | 0.0063 | | 0.00652 U | 0.00793 U | 0.00791 U | 0.00732 U |
| 1,2,3-Trimethylbenzene | 526-73-8 | mg/kg | | 800 | | **0.0158** | 0.00235 U | **0.00836** | 0.00218 U |
| 1,2,4-Trichlorobenzene | 120-82-1 | mg/kg | | 34 | | 0.00577 U | 0.00702 U | 0.00700 U | 0.00649 U |
| 1,2,4-Trimethylbenzene | 95-63-6 | mg/kg | | 800 | | **0.0246** | 0.00308 U | **0.0121** | 0.00284 U |
| 1,2-Dibromo-3-chloropropane | 96-12-8 | mg/kg | | 0.23 | | 0.0114 U | 0.0139 U | 0.0138 U | 0.0127 U |
| 1,2-Dibromoethane (EDB) | 106-93-4 | mg/kg | 0.005 | 0.5 | | 0.00134 U | 0.00163 U | 0.00163 U | 0.00151 U |
| 1,2-Dichlorobenzene | 95-50-1 | mg/kg | | 7200 | | 0.00166 U | 0.00202 U | 0.00202 U | 0.00186 U |
| 1,2-Dichloroethane (EDC) | 107-06-2 | mg/kg | | 11 | | 0.00156 U | 0.00189 U | 0.00188 U | 0.00175 U |
| 1,2-Dichloropropane | 78-87-5 | mg/kg | | 27 | | 0.00205 U | 0.00248 U | 0.00248 U | 0.00230 U |
| 1,3,5-Trimethylbenzene | 108-67-8 | mg/kg | | 800 | | **0.00593** | 0.00296 U | 0.00295 U | 0.00273 U |
| 1,3-Dichlorobenzene | 541-73-1 | mg/kg | | | | 0.00176 U | 0.00214 U | 0.00213 U | 0.00197 U |
| 1,3-Dichloropropane | 142-28-9 | mg/kg | | 1600 | | 0.00173 U | 0.00210 U | 0.00210 U | 0.00194 U |
| 1,4-Dichlorobenzene | 106-46-7 | mg/kg | | 190 | | 0.00186 U | 0.00227 U | 0.00227 U | 0.00210 U |
| 2,2-Dichloropropane | 594-20-7 | mg/kg | | | | 0.00215 U | 0.00262 U | 0.00261 U | 0.00241 U |
| 2-Butanone | 78-93-3 | mg/kg | | 48000 | | 0.0945 U | 0.115 U | 0.114 U | 0.106 U |
| 2-Chlorotoluene | 95-49-8 | mg/kg | | 1600 | | 0.00137 U | 0.00168 U | 0.00167 U | 0.00155 U |
| 4-Chlorotoluene | 106-43-4 | mg/kg | | 1600 | | 0.00164 U | 0.00200 U | 0.00199 U | 0.00184 U |
| 4-Methyl-2-pentanone | 108-10-1 | mg/kg | | 6400 | | 0.0106 U | 0.0128 U | 0.0128 U | 0.0118 U |
| Acetone | 67-64-1 | mg/kg | | 72000 | | 0.0743 U | **0.138 J** | 0.0901 U | 0.0834 U |
| Acrylonitrile | 107-13-1 | mg/kg | | 1.9 | | 0.00855 U | 0.0104 U | 0.0104 U | 0.00960 U |
| Bromobenzene | 108-86-1 | mg/kg | | 640 | | 0.00415 U | 0.00505 U | 0.00504 U | 0.00466 U |
| Bromodichloromethane | 75-27-4 | mg/kg | | 16 | | 0.00125 U | 0.00152 U | 0.00151 U | 0.00140 U |
| Bromoform | 75-25-2 | mg/kg | | 130 | | 0.0106 U | 0.0128 U | 0.0128 U | 0.0118 U |
| Bromomethane | 74-83-9 | mg/kg | | 110 | | 0.0108 U | 0.0131 U | 0.0130 U | 0.0121 U |
| Carbon Tetrachloride | 56-23-5 | mg/kg | | 14 | | 0.00321 U | 0.00390 U | 0.00389 U | 0.00360 U |
| Chlorobenzene | 108-90-7 | mg/kg | | 1600 | | 0.000914 U | 0.00111 U | 0.00111 U | 0.00103 U |
| Chloroethane | 75-00-3 | mg/kg | | | | 0.00606 UJ | 0.00737 UJ | 0.00735 UJ | 0.00680 UJ |
| Chloroform | 67-66-3 | mg/kg | | 32 | | 0.00173 U | 0.00210 U | 0.00210 U | 0.00194 U |
| Chloromethane | 74-87-3 | mg/kg | | | | 0.00906 U | 0.0110 U | 0.0110 U | 0.0102 U |
| cis-1,2-Dichloroethene (cDCE) | 156-59-2 | mg/kg | | 160 | | 0.00137 U | 0.00168 U | 0.00167 U | 0.00155 U |
| cis-1,3-Dichloropropene | 10061-01-5 | mg/kg | | | | 0.00112 U | 0.00136 U | 0.00136 U | 0.00125 U |
| Dibromochloromethane | 124-48-1 | mg/kg | | 12 | | 0.00172 U | 0.00208 U | 0.00208 U | 0.00193 U |
| Dibromomethane | 74-95-3 | mg/kg | | 800 | | 0.00190 U | 0.00231 U | 0.00230 U | 0.00213 U |
| Dichlorodifluoromethane | 75-71-8 | mg/kg | | 16000 | | 0.00463 U | 0.00563 U | 0.00562 U | 0.00520 U |
| Diisopropyl ether (DIPE) | 108-20-3 | mg/kg | | | | 0.000819 U | 0.000996 U | 0.000993 U | 0.000919 U |
| Hexachlorobutadiene | 87-68-3 | mg/kg | | 13 | | 0.0111 U | 0.0136 U | 0.0135 U | 0.0125 U |
| Isopropylbenzene | 98-82-8 | mg/kg | | 8000 | | **0.00240 J** | 0.00131 U | **0.00161 J** | 0.00121 U |
| Methyl tert-butyl ether (MTBE) | 1634-04-4 | mg/kg | 0.1 | 560 | | 0.000824 U | 0.00100 U | 0.000998 U | 0.000924 U |
| Methylene Chloride | 75-09-2 | mg/kg | 0.02 | 94 | | 0.0117 U | 0.0143 U | 0.0142 U | 0.0132 U |
| n-Butylbenzene | 104-51-8 | mg/kg | | 4000 | | 0.00666 U | 0.00809 U | 0.00808 U | 0.00748 U |
| n-Propylbenzene | 103-65-1 | mg/kg | | 8000 | | **0.00234 J** | 0.00219 U | 0.00219 U | 0.00202 U |
| p-Isopropyltoluene | 99-87-6 | mg/kg | | 320 | | **0.00300 J** | 0.00276 U | **0.00365 J** | 0.00255 U |
| sec-Butylbenzene | 135-98-8 | mg/kg | | 8000 | | 0.00408 U | 0.00496 U | 0.00495 U | 0.00458 U |
| Styrene | 100-42-5 | mg/kg | | 16000 | | 0.00474 U | 0.00576 U | 0.00574 U | 0.00532 U |
| tert-Butylbenzene | 98-06-6 | mg/kg | | 8000 | | 0.00201 U | 0.00245 U | 0.00244 U | 0.00226 U |
| Tetrachloroethene (PCE) | 127-18-4 | mg/kg | 0.05 | 480 | | 0.00162 U | 0.00197 U | 0.00196 U | 0.00182 U |
| trans-1,2-Dichloroethene | 156-60-5 | mg/kg | | 1600 | | 0.00111 U | 0.00134 U | 0.00135 U | 0.00124 U |
| trans-1,3-Dichloropropene | 10061-02-6 | mg/kg | | | | 0.00112 U | 0.00136 U | 0.00136 U | 0.00125 U |
| Trichloroethene (TCE) | 79-01-6 | mg/kg | 0.03 | 12 | | 0.000949 U | 0.00115 U | 0.00116 U | 0.00106 U |
| Trichlorofluoromethane | 75-69-4 | mg/kg | | 24000 | | 0.00278 U | 0.00338 U | 0.00338 U | 0.00312 U |
| Vinyl Chloride | 75-01-4 | mg/kg | | 0.67 | | 0.00214 U | 0.00260 U | 0.00259 U | 0.00240 U |

**Bold** - detected
Blue Shaded - Detected result exceeded MTCA A screening level
Red text - Detected result exceeded MTCA B screening level
U - Analyte not detected at or above limit shown
J - Result value estimated
UJ - Analyte not detected and the Limit is an estimate
TEQ - Toxic Equivalence Quotient (Calculated sum of)
cPAHs = carcinogenic polycyclic aromatic hydrocarbons
"--" - indicates results not available
mg/kg = milligrams per kilogram

Calculated value rounded to 3 significant figures
MTCA Minimum screening level of carcinogenic or non-carcinogenic levels.
ND = non-detect
ND = 1/2 RDL - calculated using 1/2 the reporting limit for non-detected components
ND = 0 RDL - calculated using 0 for non-detected components
MDL - Detection Limit (Limit at which lab can correctly identify a detection 95% of the time). This lab reported results to the MDL in most cases.

**Table 1. Soil Analytical Results**
**Limited Site Investigation Report**
**1200 West 13th Street in Vancouver, Washington**



| | | | | | | Exploration Identification | SB-06 | | SB-07 | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | 07/31/2025 SB-06-2.25 2.25 ft | 07/31/2025 SB-06-8.25 8.25 ft | 07/31/2025 SB-07-2.75 2.75 ft | 07/31/2025 SB-07-9.25 9.25 ft |
| Analyte | CAS rn | Unit | MTCA A Soil | MTCA B Soil | Clark County Background (ECY) | | | | | |
| **1_TPHs** | | | | | | | | | | |
| Gasoline Range Organics | TPH-GRO | mg/kg | 30 | | | | 1.58 U | 1.66 U | 1.58 U | 1.69 U |
| Diesel Range Organics | TPH-DRO | mg/kg | 2000 | | | | **54.4 J** | 1.44 U | **7.53** | 1.44 U |
| Motor Oil Range Organics | TPH-ORO | mg/kg | 2000 | | | | **478** | 3.60 U | **39.1** | 3.60 U |
| Diesel and Oil Extended Range Organics (ND=0) | TPH-EXT | mg/kg | 2000 | | | | **532 J** | 10.8 U | **46.6** | 10.8 U |
| Diesel and Oil Extended Range Organics (ND=0) MDL | TPH-EXT_MDL | mg/kg | 2000 | | | | **532 J** | 3.6 U | **46.6** | 3.6 U |
| **Conventionals** | | | | | | | | | | |
| Total Solids | TS | % | | | | | **94.7** | **92.4** | **92.5** | **92.5** |
| **Metals** | | | | | | | | | | |
| Antimony | 7440-36-0 | mg/kg | | 32 | | | **0.659 J** | 0.180 U | **0.424 J** | 0.179 U |
| Arsenic | 7440-38-2 | mg/kg | 20 | 0.67 | 6 | | **3.03** | **1.15** | **2.39** | **1.34** |
| Beryllium | 7440-41-7 | mg/kg | | 160 | 2 | | **0.430 J** | **0.411 J** | **0.465 J** | **0.327 J** |
| Cadmium | 7440-43-9 | mg/kg | 2 | 80 | 1 | | **1.05 J** | 0.0925 U | **0.356 J** | 0.0924 U |
| Chromium | 7440-47-3 | mg/kg | 2000 | 120000 | 27 | | **13.1** | **15.3** | **13.1** | **10.7** |
| Copper | 7440-50-8 | mg/kg | | 3200 | 34 | | **57.8** | **25.8** | **35.1** | **24.9** |
| Lead | 7439-92-1 | mg/kg | 250 | | 17 | | **153** | **3.66** | **46.6** | **2.38** |
| Manganese | 7439-96-5 | mg/kg | | 3700 | 1500 | | **480** | **395** | **479** | **362** |
| Mercury | 7439-97-6 | mg/kg | 2 | | 0.04 | | **0.0396 J** | 0.0223 U | **0.0390 J** | 0.0223 U |
| Nickel | 7440-02-0 | mg/kg | | 1600 | 21 | | **17.7** | **20.6** | **16.8** | **23.1** |
| Selenium | 7782-49-2 | mg/kg | | 400 | | | **0.370 J** | **0.271 J** | **0.397 J** | **0.232 J** |
| Silver | 7440-22-4 | mg/kg | | 400 | | | **0.100 J** | 0.0936 U | 0.0935 U | 0.0935 U |
| Titanium | 7440-32-6 | mg/kg | | | | | **4080** | **4430** | **4190** | **3180** |
| Zinc | 7440-66-6 | mg/kg | | 24000 | 96 | | **776** | **61.6** | **172** | **53.5** |
| **Other SVOCs** | | | | | | | | | | |
| 2-Chloronaphthalene | 91-58-7 | mg/kg | | 6400 | | | 0.00136 U | 0.00140 U | 0.00139 U | 0.00139 U |
| **PAHs_cPAH** | | | | | | | | | | |
| Benz[a]anthracene | 56-55-3 | mg/kg | | | | | **0.0124** | 0.00216 U | **0.0180** | 0.00216 U |
| Benzo(a)pyrene | 50-32-8 | mg/kg | 0.1 | 0.19 | | | **0.0136** | 0.00176 U | **0.0195** | 0.00176 U |
| Benzo(b)fluoranthene | 205-99-2 | mg/kg | | | | | **0.0243** | 0.00298 U | **0.0243** | 0.00297 U |
| Benzo(k)fluoranthene | 207-08-9 | mg/kg | | | | | 0.00225 U | 0.00231 U | 0.00230 U | 0.00230 U |
| Chrysene | 218-01-9 | mg/kg | | | | | **0.0192** | 0.00223 U | **0.0184** | 0.00223 U |
| Dibenzo(a,h)anthracene | 53-70-3 | mg/kg | | | | | **0.00371 J** | 0.00218 U | **0.00309 J** | 0.00217 U |
| Indeno(1,2,3-cd)pyrene | 193-39-5 | mg/kg | | | | | **0.0136** | 0.00253 U | **0.0135** | 0.00253 U |
| Total cPAHs TEQ (ND = 1/2 MDL) | T-cPAH-1/2U-MDL | mg/kg | 0.1 | | | | **0.0193 J** | 0.00176 U | **0.0257 J** | 0.00176 U |
| Total cPAHs TEQ (ND = 1/2 RDL) | T-cPAH-1/2U | mg/kg | 0.1 | 0.19 | | | **0.0195 J** | 0.00649 U | **0.0259 J** | 0.00648 U |
| **PAHs_Other** | | | | | | | | | | |
| 1-Methylnaphthalene | 90-12-0 | mg/kg | | 20 | | | **0.00772 J** | 0.00237 U | **0.00411 J** | 0.00237 U |
| 2-Methylnaphthalene | 91-57-6 | mg/kg | | 320 | | | **0.0110 J** | 0.00618 U | 0.00617 U | 0.00617 U |
| Acenaphthene | 83-32-9 | mg/kg | | 4800 | | | 0.00171 U | 0.00175 U | 0.00175 U | 0.00175 U |
| Acenaphthylene | 208-96-8 | mg/kg | | | | | **0.00288 J** | 0.00172 U | **0.00358 J** | 0.00172 U |
| Anthracene | 120-12-7 | mg/kg | | 24000 | | | **0.00244 J** | 0.00176 U | **0.00265 J** | 0.00176 U |
| Benzo(g,h,i)perylene | 191-24-2 | mg/kg | | | | | 0.00204 U | 0.00209 U | **0.0180** | 0.00209 U |
| Fluoranthene | 206-44-0 | mg/kg | | 3200 | | | **0.0220** | 0.00259 U | **0.0298** | 0.00258 U |
| Fluorene | 86-73-7 | mg/kg | | 3200 | | | 0.00190 U | 0.00195 U | 0.00195 U | 0.00195 U |
| Naphthalene | 91-20-3 | mg/kg | 5 | 1600 | | | **0.0408** | 0.00627 U | **0.0168** | 0.00626 U |
| Phenanthrene | 85-01-8 | mg/kg | | | | | **0.0184** | 0.00330 U | **0.0151** | 0.00330 U |
| Pyrene | 129-00-0 | mg/kg | | 2400 | | | **0.0261** | 0.00222 U | **0.0456** | 0.00222 U |
| **PCBAro** | | | | | | | | | | |
| Aroclor 1016 | 12674-11-2 | mg/kg | | 5.6 | | | 0.0108 U | 0.0110 U | 0.0110 U | 0.0110 U |
| Aroclor 1221 | 11104-28-2 | mg/kg | | | | | 0.0113 U | 0.0116 U | 0.0116 U | 0.0116 U |
| Aroclor 1232 | 11141-16-5 | mg/kg | | | | | 0.0192 U | 0.0197 U | 0.0197 U | 0.0197 U |
| Aroclor 1242 | 53469-21-9 | mg/kg | | | | | 0.0107 U | 0.0109 U | 0.0109 U | 0.0109 U |
| Aroclor 1248 | 12672-29-6 | mg/kg | | | | | 0.0131 U | 0.0134 U | 0.0134 U | 0.0134 U |
| Aroclor 1254 | 11097-69-1 | mg/kg | | 0.5 | | | 0.0110 U | 0.0113 U | 0.0112 U | 0.0112 U |
| Aroclor 1260 | 11096-82-5 | mg/kg | | 0.5 | | | 0.0116 U | 0.0119 U | 0.0119 U | 0.0119 U |
| Total PCBs (Sum of Aroclors) (ND = 0) | T-PCBs | mg/kg | 1 | 0.5 | | | 0.0359 U | 0.0368 U | 0.0367 U | 0.0367 U |
| Total PCBs (Sum of Aroclors) (ND = 0) MDL | T-PCBsMDL | mg/kg | 1 | | | | 0.0192 U | 0.0197 U | 0.0197 U | 0.0197 U |
| **VOC_BTEX** | | | | | | | | | | |
| Benzene | 71-43-2 | mg/kg | 0.03 | 18 | | | 0.000797 U | 0.000920 U | **0.00174** | 0.000879 U |
| Toluene | 108-88-3 | mg/kg | 7 | 6400 | | | **0.00365 J** | 0.00375 U | **0.00430 J** | 0.00357 U |
| Ethylbenzene | 100-41-4 | mg/kg | 6 | 8000 | | | 0.00111 U | 0.00128 U | **0.00115 J** | 0.00123 U |
| Total Xylenes | 1330-20-7 | mg/kg | 9 | 16000 | | | **0.00988** | 0.00363 U | **0.0161** | 0.00347 U |
| **VOCs** | | | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | 630-20-6 | mg/kg | | 38 | | | 0.00146 U | 0.00169 U | 0.00152 U | 0.00161 U |
| 1,1,1-Trichloroethane | 71-55-6 | mg/kg | 2 | 160000 | | | 0.00163 U | 0.00187 U | **0.00217 J** | 0.00179 U |
| 1,1,2,2-Tetrachloroethane | 79-34-5 | mg/kg | | 5 | | | 0.00130 U | 0.00150 U | 0.00135 U | 0.00143 U |
| 1,1,2-Trichloroethane | 79-00-5 | mg/kg | | 18 | | | 0.00150 U | 0.00173 U | 0.00156 U | 0.00165 U |
| 1,1,2-Trichlorotrifluoroethane | 76-13-1 | mg/kg | | 2400000 | | | 0.00315 U | 0.00364 U | 0.00328 U | 0.00348 U |
| 1,1-Dichloroethane | 75-34-3 | mg/kg | | 180 | | | 0.00113 U | 0.00131 U | 0.00118 U | 0.00125 U |
| 1,1-Dichloroethene | 75-35-4 | mg/kg | | 4000 | | | 0.00172 U | 0.00198 U | 0.00179 U | 0.00190 U |
| 1,1-Dichloropropene | 563-58-6 | mg/kg | | | | | 0.00155 U | 0.00179 U | 0.00161 U | 0.00171 U |
| 1,2,3-Trichlorobenzene | 87-61-6 | mg/kg | | 64 | | | 0.00784 U | 0.00905 U | 0.00816 U | 0.00864 U |
| 1,2,3-Trichloropropane | 96-18-4 | mg/kg | | 0.0063 | | | 0.00686 U | 0.00792 U | 0.00715 U | 0.00757 U |
| 1,2,3-Trimethylbenzene | 526-73-8 | mg/kg | | 800 | | | **0.00442 J** | 0.00236 U | **0.0107** | 0.00225 U |
| 1,2,4-Trichlorobenzene | 120-82-1 | mg/kg | | 34 | | | 0.00608 U | 0.00702 U | 0.00633 U | 0.00670 U |
| 1,2,4-Trimethylbenzene | 95-63-6 | mg/kg | | 800 | | | **0.00617** | 0.00309 U | **0.0126** | 0.00295 U |
| 1,2-Dibromo-3-chloropropane | 96-12-8 | mg/kg | | 0.23 | | | 0.0120 U | 0.0139 U | 0.0125 U | 0.0132 U |
| 1,2-Dibromoethane (EDB) | 106-93-4 | mg/kg | 0.005 | 0.5 | | | 0.00141 U | 0.00163 U | 0.00147 U | 0.00156 U |
| 1,2-Dichlorobenzene | 95-50-1 | mg/kg | | 7200 | | | 0.00175 U | 0.00202 U | 0.00182 U | 0.00193 U |
| 1,2-Dichloroethane (EDC) | 107-06-2 | mg/kg | | 11 | | | 0.00164 U | 0.00190 U | 0.00170 U | 0.00180 U |
| 1,2-Dichloropropane | 78-87-5 | mg/kg | | 27 | | | 0.00215 U | 0.00249 U | 0.00224 U | 0.00237 U |
| 1,3,5-Trimethylbenzene | 108-67-8 | mg/kg | | 800 | | | 0.00256 U | 0.00295 U | **0.00360 J** | 0.00282 U |
| 1,3-Dichlorobenzene | 541-73-1 | mg/kg | | | | | 0.00185 U | 0.00214 U | 0.00193 U | 0.00205 U |
| 1,3-Dichloropropane | 142-28-9 | mg/kg | | 1600 | | | 0.00182 U | 0.00209 U | 0.00189 U | 0.00200 U |
| 1,4-Dichlorobenzene | 106-46-7 | mg/kg | | 190 | | | 0.00196 U | 0.00227 U | 0.00204 U | 0.00216 U |
| 2,2-Dichloropropane | 594-20-7 | mg/kg | | | | | 0.00226 U | 0.00261 U | 0.00236 U | 0.00250 U |
| 2-Butanone | 78-93-3 | mg/kg | | 48000 | | | 0.0994 U | 0.115 U | 0.104 U | 0.110 U |
| 2-Chlorotoluene | 95-49-8 | mg/kg | | 1600 | | | 0.00145 U | 0.00166 U | 0.00151 U | 0.00159 U |
| 4-Chlorotoluene | 106-43-4 | mg/kg | | 1600 | | | 0.00173 U | 0.00199 U | 0.00180 U | 0.00191 U |
| 4-Methyl-2-pentanone | 108-10-1 | mg/kg | | 6400 | | | 0.0111 U | 0.0128 U | 0.0116 U | 0.0123 U |
| Acetone | 67-64-1 | mg/kg | | 72000 | | | 0.0781 U | 0.0903 U | 0.0814 U | 0.0862 U |
| Acrylonitrile | 107-13-1 | mg/kg | | 1.9 | | | 0.00900 U | 0.0104 U | 0.00938 U | 0.00993 U |
| Bromobenzene | 108-86-1 | mg/kg | | 640 | | | 0.00437 U | 0.00505 U | 0.00455 U | 0.00482 U |
| Bromodichloromethane | 75-27-4 | mg/kg | | 16 | | | 0.00131 U | 0.00151 U | 0.00137 U | 0.00144 U |
| Bromoform | 75-25-2 | mg/kg | | 130 | | | 0.0111 U | 0.0128 U | 0.0116 U | 0.0123 U |
| Bromomethane | 74-83-9 | mg/kg | | 110 | | | 0.0113 U | 0.0131 U | 0.0118 U | 0.0125 U |
| Carbon Tetrachloride | 56-23-5 | mg/kg | | 14 | | | 0.00337 U | 0.00390 U | 0.00351 U | 0.00372 U |
| Chlorobenzene | 108-90-7 | mg/kg | | 1600 | | | 0.000962 U | 0.00111 U | 0.00100 U | 0.00106 U |
| Chloroethane | 75-00-3 | mg/kg | | | | | 0.00638 UJ | 0.00736 UJ | 0.00664 UJ | 0.00704 UJ |
| Chloroform | 67-66-3 | mg/kg | | 32 | | | 0.00182 U | 0.00209 U | 0.00189 U | 0.00200 U |
| Chloromethane | 74-87-3 | mg/kg | | | | | 0.00953 U | 0.0110 U | 0.00993 U | 0.0105 U |
| cis-1,2-Dichloroethene (cDCE) | 156-59-2 | mg/kg | | 160 | | | 0.00145 U | 0.00166 U | 0.00151 U | 0.00159 U |
| cis-1,3-Dichloropropene | 10061-01-5 | mg/kg | | | | | 0.00118 U | 0.00136 U | 0.00123 U | 0.00129 U |
| Dibromochloromethane | 124-48-1 | mg/kg | | 12 | | | 0.00180 U | 0.00208 U | 0.00188 U | 0.00199 U |
| Dibromomethane | 74-95-3 | mg/kg | | 800 | | | 0.00200 U | 0.00230 U | 0.00208 U | 0.00220 U |
| Dichlorodifluoromethane | 75-71-8 | mg/kg | | 16000 | | | 0.00488 U | 0.00563 U | 0.00508 U | 0.00537 U |
| Diisopropyl ether (DIPE) | 108-20-3 | mg/kg | | | | | 0.000862 U | 0.000995 U | 0.000898 U | 0.000951 U |
| Hexachlorobutadiene | 87-68-3 | mg/kg | | 13 | | | 0.0117 U | 0.0135 U | 0.0121 U | 0.0129 U |
| Isopropylbenzene | 98-82-8 | mg/kg | | 8000 | | | 0.00113 U | 0.00131 U | **0.00159 J** | 0.00125 U |
| Methyl tert-butyl ether (MTBE) | 1634-04-4 | mg/kg | 0.1 | 560 | | | 0.000867 U | 0.00100 U | 0.000903 U | 0.000956 U |
| Methylene Chloride | 75-09-2 | mg/kg | 0.02 | 94 | | | 0.0123 U | 0.0142 U | 0.0128 U | 0.0136 U |
| n-Butylbenzene | 104-51-8 | mg/kg | | 4000 | | | 0.00701 U | 0.00809 U | 0.00730 U | 0.00773 U |
| n-Propylbenzene | 103-65-1 | mg/kg | | 8000 | | | 0.00189 U | 0.00218 U | 0.00197 U | 0.00209 U |
| p-Isopropyltoluene | 99-87-6 | mg/kg | | 320 | | | 0.00239 U | 0.00276 U | **0.00465 J** | 0.00263 U |
| sec-Butylbenzene | 135-98-8 | mg/kg | | 8000 | | | 0.00429 U | 0.00496 U | 0.00447 U | 0.00474 U |
| Styrene | 100-42-5 | mg/kg | | 16000 | | | 0.00499 U | 0.00576 U | 0.00520 U | 0.00550 U |
| tert-Butylbenzene | 98-06-6 | mg/kg | | 8000 | | | 0.00212 U | 0.00245 U | 0.00221 U | 0.00233 U |
| Tetrachloroethene (PCE) | 127-18-4 | mg/kg | 0.05 | 480 | | | **0.00276 J** | 0.00197 U | **0.0262** | 0.00188 U |
| trans-1,2-Dichloroethene | 156-60-5 | mg/kg | | 1600 | | | 0.00117 U | 0.00134 U | 0.00121 U | 0.00128 U |
| trans-1,3-Dichloropropene | 10061-02-6 | mg/kg | | | | | 0.00118 U | 0.00136 U | 0.00123 U | 0.00129 U |
| Trichloroethene (TCE) | 79-01-6 | mg/kg | 0.03 | 12 | | | 0.000999 U | 0.00115 U | **0.00932** | 0.00110 U |
| Trichlorofluoromethane | 75-69-4 | mg/kg | | 24000 | | | 0.00293 U | 0.00338 U | 0.00305 U | 0.00322 U |
| Vinyl Chloride | 75-01-4 | mg/kg | | 0.67 | | | 0.00225 U | 0.00260 U | 0.00235 U | 0.00248 U |

**Bold** - detected
Blue Shaded - Detected result exceeded MTCA A screening level
Red text - Detected result exceeded MTCA B screening level
U - Analyte not detected at or above limit shown
J - Result value estimated
UJ - Analyte not detected and the Limit is an estimate
TEQ - Toxic Equivalence Quotient (Calculated sum of)
cPAHs = carcinogenic polycyclic aromatic hydrocarbons
"--" - indicates results not available
mg/kg = milligrams per kilogram

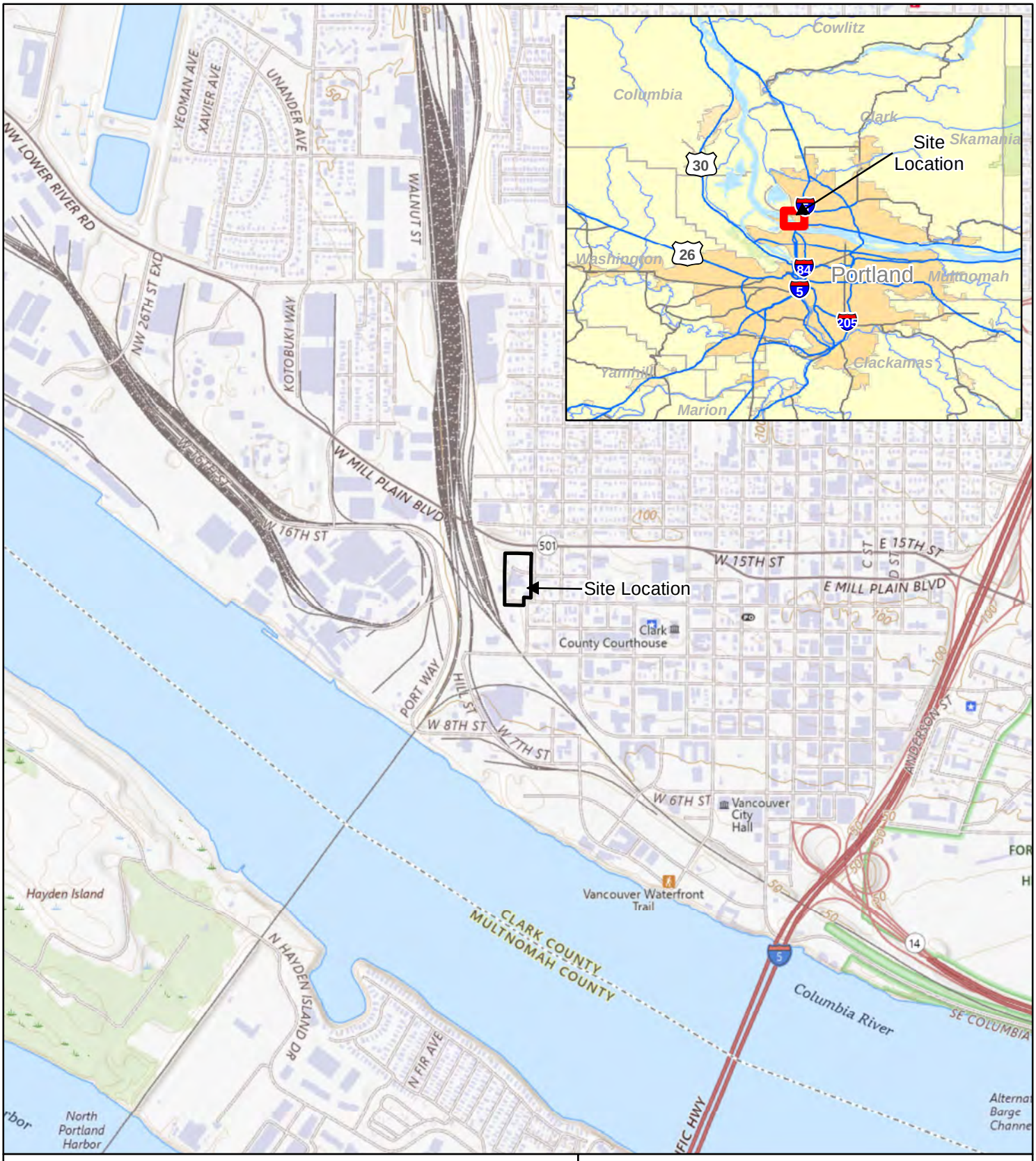
Calculated value rounded to 3 significant figures
MTCA Minimum screening level of carcinogenic or non-carcinogenic levels.
ND = non-detect
ND = 1/2 RDL - calculated using 1/2 the reporting limit for non-detected components
ND = 0 RDL - calculated using 0 for non-detected components
MDL - Detection Limit (Limit at which lab can correctly identify a detection 95% of the time). This lab reported results to the MDL in most cases.

| | | | | | | Exploration Identification | SB-08 | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | 07/31/2025 SB-08-9.25 9.25 ft | 07/31/2025 SB-08-14.25 14.25 ft | 07/31/2025 SB-08-19.25 19.25 ft |
| Analyte | CAS rn | Unit | MTCA A Soil | MTCA B Soil | Clark County Background (ECY) | | | | |
| **1_TPHs** | | | | | | | | | |
| Gasoline Range Organics | TPH-GRO | mg/kg | 30 | | | | 1.63 U | 1.70 U | -- |
| Diesel Range Organics | TPH-DRO | mg/kg | 2000 | | | | 1.47 U | 1.45 U | -- |
| Motor Oil Range Organics | TPH-ORO | mg/kg | 2000 | | | | 3.67 U | 3.63 U | -- |
| Diesel and Oil Extended Range Organics (ND=0) | TPH-EXT | mg/kg | 2000 | | | | 11 U | 10.9 U | -- |
| Diesel and Oil Extended Range Organics (ND=0) MDL | TPH-EXT_MDL | mg/kg | 2000 | | | | 3.67 U | 3.63 U | -- |
| **Conventionals** | | | | | | | | | |
| Total Solids | TS | % | | | | | **90.7** | **91.8** | **93.6** |
| **Metals** | | | | | | | | | |
| Antimony | 7440-36-0 | mg/kg | | 32 | | | 0.183 U | 0.181 U | 0.177 U |
| Arsenic | 7440-38-2 | mg/kg | 20 | 0.67 | 6 | | **1.92** | **1.73** | **1.08** |
| Beryllium | 7440-41-7 | mg/kg | | 160 | 2 | | **0.403 J** | **0.449 J** | **0.391 J** |
| Cadmium | 7440-43-9 | mg/kg | 2 | 80 | 1 | | 0.0942 U | 0.0931 U | **0.0995 J** |
| Chromium | 7440-47-3 | mg/kg | 2000 | 120000 | 27 | | **12.3** | **13.2** | **7.55** |
| Copper | 7440-50-8 | mg/kg | | 3200 | 34 | | **27.9** | **33.4** | **25.3** |
| Lead | 7439-92-1 | mg/kg | 250 | | 17 | | **3.11** | **3.58** | **3.31** |
| Manganese | 7439-96-5 | mg/kg | | 3700 | 1500 | | **391** | **481** | **360** |
| Mercury | 7439-97-6 | mg/kg | 2 | | 0.04 | | 0.0227 U | 0.0224 U | 0.0220 U |
| Nickel | 7440-02-0 | mg/kg | | 1600 | 21 | | **27.9** | **18.5** | **10.6** |
| Selenium | 7782-49-2 | mg/kg | | 400 | | | **0.352 J** | **0.283 J** | **0.403 J** |
| Silver | 7440-22-4 | mg/kg | | 400 | | | 0.0953 U | 0.0942 U | 0.0924 U |
| Titanium | 7440-32-6 | mg/kg | | | | | **4130** | **4450** | **3270** |
| Zinc | 7440-66-6 | mg/kg | | 24000 | 96 | | **62.4** | **76.6** | **55.3** |
| **Other SVOCs** | | | | | | | | | |
| 2-Chloronaphthalene | 91-58-7 | mg/kg | | 6400 | | | 0.00142 U | 0.00140 U | -- |
| **PAHs_cPAH** | | | | | | | | | |
| Benz(a)anthracene | 56-55-3 | mg/kg | | | | | 0.00220 U | 0.00218 U | -- |
| Benzo(a)pyrene | 50-32-8 | mg/kg | 0.1 | 0.19 | | | 0.00180 U | 0.00177 U | -- |
| Benzo(b)fluoranthene | 205-99-2 | mg/kg | | | | | 0.00303 U | 0.00299 U | -- |
| Benzo(k)fluoranthene | 207-08-9 | mg/kg | | | | | 0.00235 U | 0.00232 U | -- |
| Chrysene | 218-01-9 | mg/kg | | | | | 0.00227 U | 0.00224 U | -- |
| Dibenzo(a,h)anthracene | 53-70-3 | mg/kg | | | | | 0.00222 U | 0.00219 U | -- |
| Indeno(1,2,3-cd)pyrene | 193-39-5 | mg/kg | | | | | 0.00258 U | 0.00255 U | -- |
| Total cPAHs TEQ (ND = 1/2 MDL) | T-cPAH-1/2U-MDL | mg/kg | 0.1 | | | | 0.0018 U | 0.00177 U | -- |
| Total cPAHs TEQ (ND = 1/2 RDL) | T-cPAH-1/2U | mg/kg | 0.1 | 0.19 | | | 0.00661 U | 0.00653 U | -- |
| **PAHs_Other** | | | | | | | | | |
| 1-Methylnaphthalene | 90-12-0 | mg/kg | | 20 | | | 0.00241 U | 0.00238 U | -- |
| 2-Methylnaphthalene | 91-57-6 | mg/kg | | 320 | | | 0.00629 U | 0.00622 U | -- |
| Acenaphthene | 83-32-9 | mg/kg | | 4800 | | | 0.00179 U | 0.00176 U | -- |
| Acenaphthylene | 208-96-8 | mg/kg | | | | | 0.00175 U | 0.00173 U | -- |
| Anthracene | 120-12-7 | mg/kg | | 24000 | | | 0.00180 U | 0.00177 U | -- |
| Benzo(g,h,i)perylene | 191-24-2 | mg/kg | | | | | 0.00213 U | 0.00210 U | -- |
| Fluoranthene | 206-44-0 | mg/kg | | 3200 | | | 0.00263 U | 0.00260 U | -- |
| Fluorene | 86-73-7 | mg/kg | | 3200 | | | 0.00198 U | 0.00196 U | -- |
| Naphthalene | 91-20-3 | mg/kg | 5 | 1600 | | | 0.00638 U | 0.00630 U | -- |
| Phenanthrene | 85-01-8 | mg/kg | | | | | 0.00336 U | 0.00332 U | -- |
| Pyrene | 129-00-0 | mg/kg | | 2400 | | | 0.00226 U | 0.00223 U | -- |
| **PCBAro** | | | | | | | | | |
| Aroclor 1016 | 12674-11-2 | mg/kg | | 5.6 | | | 0.0112 U | 0.0111 U | -- |
| Aroclor 1221 | 11104-28-2 | mg/kg | | | | | 0.0118 U | 0.0117 U | -- |
| Aroclor 1232 | 11141-16-5 | mg/kg | | | | | 0.0201 U | 0.0198 U | -- |
| Aroclor 1242 | 53469-21-9 | mg/kg | | | | | 0.0111 U | 0.0110 U | -- |
| Aroclor 1248 | 12672-29-6 | mg/kg | | | | | 0.0137 U | 0.0135 U | -- |
| Aroclor 1254 | 11097-69-1 | mg/kg | | 0.5 | | | 0.0115 U | 0.0113 U | -- |
| Aroclor 1260 | 11096-82-5 | mg/kg | | 0.5 | | | 0.0121 U | 0.0120 U | -- |
| Total PCBs (Sum of Aroclors) (ND = 0) | T-PCBs | mg/kg | 1 | 0.5 | | | 0.0375 U | 0.037 U | -- |
| Total PCBs (Sum of Aroclors) (ND = 0) MDL | T-PCBsMDL | mg/kg | 1 | | | | 0.0201 U | 0.0198 U | -- |
| **VOC_BTEX** | | | | | | | | | |
| Benzene | 71-43-2 | mg/kg | 0.03 | 18 | | | 0.000888 U | 0.000868 U | -- |
| Toluene | 108-88-3 | mg/kg | 7 | 6400 | | | 0.00362 U | 0.00354 U | -- |
| Ethylbenzene | 100-41-4 | mg/kg | 6 | 8000 | | | 0.00124 U | 0.00121 U | -- |
| Total Xylenes | 1330-20-7 | mg/kg | 9 | 16000 | | | 0.00350 U | 0.00342 U | -- |
| **VOCs** | | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | 630-20-6 | mg/kg | | 38 | | | 0.00162 U | 0.00159 U | -- |
| 1,1,1-Trichloroethane | 71-55-6 | mg/kg | 2 | 160000 | | | 0.00181 U | 0.00177 U | -- |
| 1,1,2,2-Tetrachloroethane | 79-34-5 | mg/kg | | 5 | | | 0.00145 U | 0.00142 U | -- |
| 1,1,2-Trichloroethane | 79-00-5 | mg/kg | | 18 | | | 0.00167 U | 0.00163 U | -- |
| 1,1,2-Trichlorotrifluoroethane | 76-13-1 | mg/kg | | 2400000 | | | 0.00351 U | 0.00343 U | -- |
| 1,1-Dichloroethane | 75-34-3 | mg/kg | | 180 | | | 0.00126 U | 0.00123 U | -- |
| 1,1-Dichloroethene | 75-35-4 | mg/kg | | 4000 | | | 0.00191 U | 0.00187 U | -- |
| 1,1-Dichloropropene | 563-58-6 | mg/kg | | | | | 0.00173 U | 0.00169 U | -- |
| 1,2,3-Trichlorobenzene | 87-61-6 | mg/kg | | 64 | | | 0.00873 U | 0.00854 U | -- |
| 1,2,3-Trichloropropane | 96-18-4 | mg/kg | | 0.0063 | | | 0.00764 U | 0.00747 U | -- |
| 1,2,3-Trimethylbenzene | 526-73-8 | mg/kg | | 800 | | | 0.00227 U | 0.00222 U | -- |
| 1,2,4-Trichlorobenzene | 120-82-1 | mg/kg | | 34 | | | 0.00677 U | 0.00662 U | -- |
| 1,2,4-Trimethylbenzene | 95-63-6 | mg/kg | | 800 | | | 0.00298 U | 0.00291 U | -- |
| 1,2-Dibromo-3-chloropropane | 96-12-8 | mg/kg | | 0.23 | | | 0.0133 U | 0.0130 U | -- |
| 1,2-Dibromoethane (EDB) | 106-93-4 | mg/kg | 0.005 | 0.5 | | | 0.00157 U | 0.00154 U | -- |
| 1,2-Dichlorobenzene | 95-50-1 | mg/kg | | 7200 | | | 0.00195 U | 0.00190 U | -- |
| 1,2-Dichloroethane (EDC) | 107-06-2 | mg/kg | | 11 | | | 0.00183 U | 0.00179 U | -- |
| 1,2-Dichloropropane | 78-87-5 | mg/kg | | 27 | | | 0.00240 U | 0.00235 U | -- |
| 1,3,5-Trimethylbenzene | 108-67-8 | mg/kg | | 800 | | | 0.00285 U | 0.00278 U | -- |
| 1,3-Dichlorobenzene | 541-73-1 | mg/kg | | | | | 0.00207 U | 0.00202 U | -- |
| 1,3-Dichloropropane | 142-28-9 | mg/kg | | 1600 | | | 0.00202 U | 0.00197 U | -- |
| 1,4-Dichlorobenzene | 106-46-7 | mg/kg | | 190 | | | 0.00219 U | 0.00214 U | -- |
| 2,2-Dichloropropane | 594-20-7 | mg/kg | | | | | 0.00252 U | 0.00247 U | -- |
| 2-Butanone | 78-93-3 | mg/kg | | 48000 | | | 0.111 U | 0.108 U | -- |
| 2-Chlorotoluene | 95-49-8 | mg/kg | | 1600 | | | 0.00161 U | 0.00157 U | -- |
| 4-Chlorotoluene | 106-43-4 | mg/kg | | 1600 | | | 0.00192 U | 0.00188 U | -- |
| 4-Methyl-2-pentanone | 108-10-1 | mg/kg | | 6400 | | | 0.0124 U | 0.0121 U | -- |
| Acetone | 67-64-1 | mg/kg | | 72000 | | | 0.0871 U | **0.0969 J** | -- |
| Acrylonitrile | 107-13-1 | mg/kg | | 1.9 | | | 0.0100 U | 0.00981 U | -- |
| Bromobenzene | 108-86-1 | mg/kg | | 640 | | | 0.00488 U | 0.00477 U | -- |
| Bromodichloromethane | 75-27-4 | mg/kg | | 16 | | | 0.00147 U | 0.00143 U | -- |
| Bromoform | 75-25-2 | mg/kg | | 130 | | | 0.0124 U | 0.0121 U | -- |
| Bromomethane | 74-83-9 | mg/kg | | 110 | | | 0.0126 U | 0.0123 U | -- |
| Carbon Tetrachloride | 56-23-5 | mg/kg | | 14 | | | 0.00376 U | 0.00368 U | -- |
| Chlorobenzene | 108-90-7 | mg/kg | | 1600 | | | 0.00107 U | 0.00105 U | -- |
| Chloroethane | 75-00-3 | mg/kg | | | | | 0.00711 UJ | 0.00695 UJ | -- |
| Chloroform | 67-66-3 | mg/kg | | 32 | | | 0.00202 U | 0.00197 U | -- |
| Chloromethane | 74-87-3 | mg/kg | | | | | 0.0106 U | 0.0104 U | -- |
| cis-1,2-Dichloroethene (cDCE) | 156-59-2 | mg/kg | | 160 | | | 0.00161 U | 0.00157 U | -- |
| cis-1,3-Dichloropropene | 10061-01-5 | mg/kg | | | | | 0.00131 U | 0.00128 U | -- |
| Dibromochloromethane | 124-48-1 | mg/kg | | 12 | | | 0.00201 U | 0.00196 U | -- |
| Dibromomethane | 74-95-3 | mg/kg | | 800 | | | 0.00222 U | 0.00217 U | -- |
| Dichlorodifluoromethane | 75-71-8 | mg/kg | | 16000 | | | 0.00543 U | 0.00531 U | -- |
| Diisopropyl ether (DIPE) | 108-20-3 | mg/kg | | | | | 0.000961 U | 0.000940 U | -- |
| Hexachlorobutadiene | 87-68-3 | mg/kg | | 13 | | | 0.0130 U | 0.0127 U | -- |
| Isopropylbenzene | 98-82-8 | mg/kg | | 8000 | | | 0.00126 U | 0.00123 U | -- |
| Methyl tert-butyl ether (MTBE) | 1634-04-4 | mg/kg | 0.1 | 560 | | | 0.000966 U | 0.000944 U | -- |
| Methylene Chloride | 75-09-2 | mg/kg | 0.02 | 94 | | | 0.0137 U | 0.0134 U | -- |
| n-Butylbenzene | 104-51-8 | mg/kg | | 4000 | | | 0.00781 U | 0.00764 U | -- |
| n-Propylbenzene | 103-65-1 | mg/kg | | 8000 | | | 0.00211 U | 0.00207 U | -- |
| p-Isopropyltoluene | 99-87-6 | mg/kg | | 320 | | | 0.00267 U | 0.00261 U | -- |
| sec-Butylbenzene | 135-98-8 | mg/kg | | 8000 | | | 0.00478 U | 0.00468 U | -- |
| Styrene | 100-42-5 | mg/kg | | 16000 | | | 0.00556 U | 0.00544 U | -- |
| tert-Butylbenzene | 98-06-6 | mg/kg | | 8000 | | | 0.00237 U | 0.00231 U | -- |
| Tetrachloroethene (PCE) | 127-18-4 | mg/kg | 0.05 | 480 | | | 0.00190 U | 0.00186 U | -- |
| trans-1,2-Dichloroethene | 156-60-5 | mg/kg | | 1600 | | | 0.00130 U | 0.00127 U | -- |
| trans-1,3-Dichloropropene | 10061-02-6 | mg/kg | | | | | 0.00131 U | 0.00128 U | -- |
| Trichloroethene (TCE) | 79-01-6 | mg/kg | 0.03 | 12 | | | 0.00111 U | 0.00109 U | -- |
| Trichlorofluoromethane | 75-69-4 | mg/kg | | 24000 | | | 0.00326 U | 0.00318 U | -- |
| Vinyl Chloride | 75-01-4 | mg/kg | | 0.67 | | | 0.00251 U | 0.00246 U | -- |

**Bold** - detected
Blue Shaded - Detected result exceeded MTCA A screening level
Red text - Detected result exceeded MTCA B screening level
U - Analyte not detected at or above limit shown
J - Result value estimated
UJ - Analyte not detected and the Limit is an estimate
TEQ - Toxic Equivalence Quotient (Calculated sum of)
cPAHs = carcinogenic polycyclic aromatic hydrocarbons
"--" - indicates results not available
mg/kg = milligrams per kilogram

Calculated value rounded to 3 significant figures
MTCA Minimum screening level of carcinogenic or non-carcinogenic levels.
ND = non-detect
ND = 1/2 RDL - calculated using 1/2 the reporting limit for non-detected components
ND = 0 RDL - calculated using 0 for non-detected components
MDL - Detection Limit (Limit at which lab can correctly identify a detection 95% of the time). This lab reported results to the MDL in most cases.

# FIGURES




**Legend**

Site Location

N

0 500 1,000 2,000 Feet

USGS The National Map: National Boundaries Dataset, 3DEP Elevation Program, Geographic Names Information System, National Hydrography Dataset, National Land Cover Database, National Structures Dataset, and National Transportation Dataset; USGS

## Site Location Map

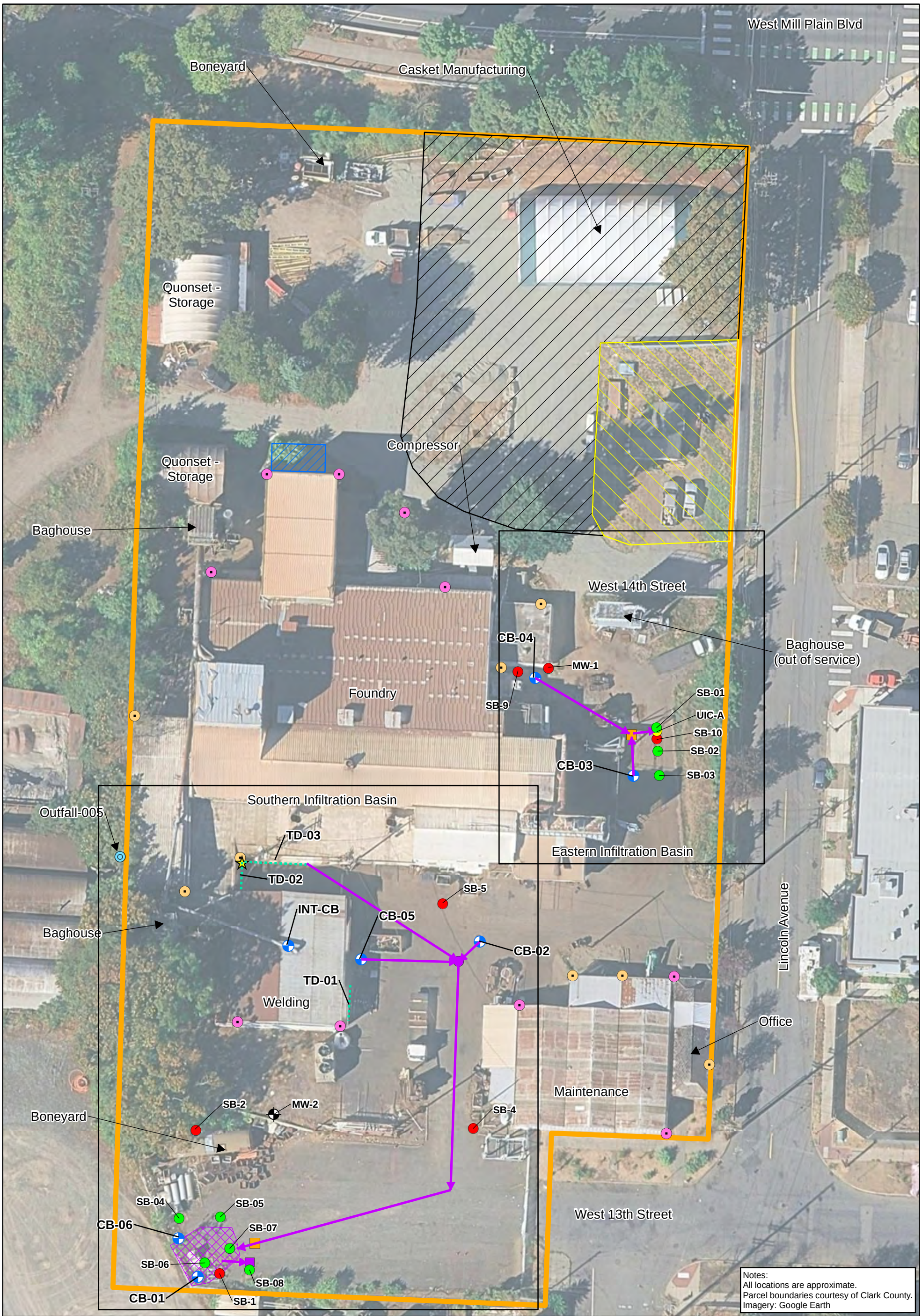
1200 West 13th Avenue
Vancouver, Washington

Geosyntec consultants

| NWSW0030 | November 2025 |
|---|---|

**Figure 1**

P:\CAD_GIS\Projects\North Start Caststeel_Vancouver\MXDs\Figure 1 Site Location Map.mxd 10/29/2025 9:29:37 AM




**Legend**

- Site Boundary
- Proposed Bioswale
- Residential Parcel
- Rain Garden
- Leased Parcels
- Proposed Conveyance Line
- Trench Drain
- Monitoring Well Location
- Hydrodynamic Separator
- Historical Boring Location
- UIC
- Proposed Pre-treatment (sedimentation) Manhole
- Proposed Drywell
- Catch Basin
- Downspout (Discharge below Ground)
- Downspout (Discharge to Surface)
- Outfall
- Sampling Point 005
- Soil Boring Location

N

0 10 20 40 Feet

**Site Layout Map**

1200 West 13th Avenue
Vancouver, Washington

Geosyntec consultants

NWSW0030 | November 2025

**Figure 2**

P:\CAD_GIS\Projects\North Start Caststeel_Vancouver\MXDs\Figure 2 Site Layout MapV2.mxd 10/29/2025 9:49:44 AM


**Legend**

- Site Boundary
- Residential Parcel
- Leased Parcels
- Proposed Conveyance Line
- Hydrodynamic Separator
- Historical Boring Location
- UIC
- Catch Basin
- Downspout (Discharge to Surface)
- Soil Boring Location

Notes:
All locations are approximate.
Parcel boundaries courtesy of Clark County.
Imagery: Google Earth

N

0 2.75 5.5 11 Feet

**Eastern Infiltration Basin**

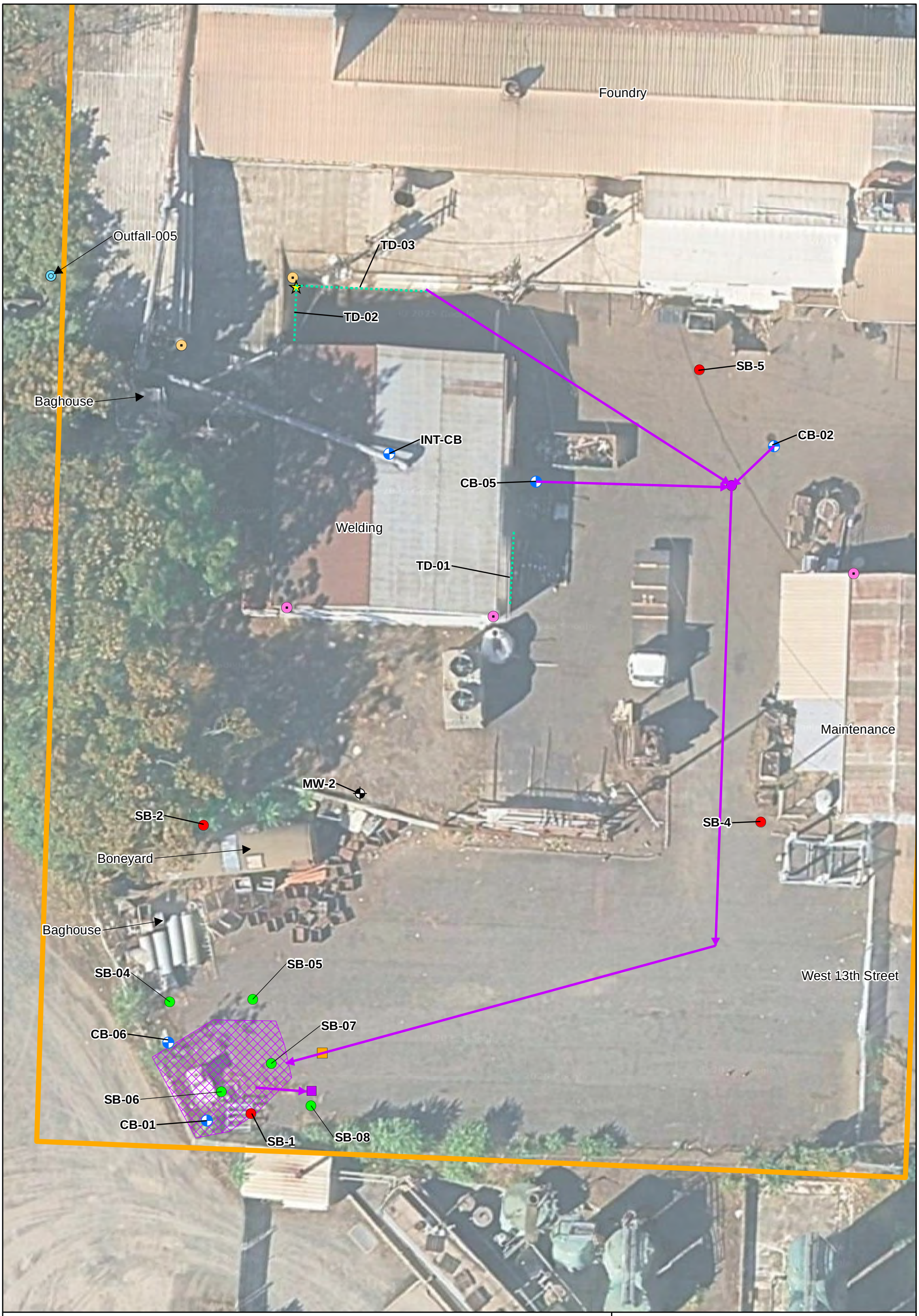
1200 West 13th Avenue
Vancouver, Washington

Geosyntec consultants

NWSW0030 | November 2025

**Figure 3**

P:\CAD_GIS\Projects\North Start Caststeel_Vancouver\MXDs\Figure 3 Eastern Infiltration Basin.mxd 10/29/2025 9:52:08 AM




**Legend**

- Site Boundary
- Proposed Bioswale
- Proposed Conveyance Line
- Trench Drain
- Monitoring Well Location
- Hydrodynamic Separator
- Historical Boring Location
- Proposed Pre-treatment (sedimentation) Manhole
- Proposed Drywell
- Catch Basin
- Downspout (Discharge below Ground)
- Downspout (Discharge to Surface)
- Outfall
- Sampling Point 005
- Soil Boring Location

Notes:
All locations are approximate.
Parcel boundaries courtesy of Clark County.
Imagery: Google Earth

N

0 5 10 20 Feet

**Southern Infiltration Basin**

1200 West 13th Avenue
Vancouver, Washington

Geosyntec consultants

NWSW0030 | November 2025

**Figure 4**

P:\CAD_GIS\Projects\North Start Caststeel_Vancouver\MXDs\Figure 4 Southern Infiltration Basin.mxd 10/29/2025 9:58:38 AM

# APPENDIX A
Test Pit Logs

# North Star Casteel Inc.

## Industrial Stormwater General Permit
## Stormwater Pollution Prevention Plan

*ISGP Permit No:*
**WAR000922**

*Prepared for:*
**North Star Casteel Inc.**
**1200 West 13th Street**
**Vancouver, WA 98660**

*by:*
**Geosyntec Consultants, Inc.**
**920 SW Sixth Avenue, Suite 600**
**Portland, OR 97204**

*February 2025*

## SWPPP Certification Form

The Permittee shall use this form to sign and certify that the Stormwater Pollution Prevention Plan (SWPPP) is complete, accurate and in compliance with Conditions S3 and S8 of the Industrial Stormwater General Permit.

- A SWPPP certification form needs to be completed and attached to all SWPPPs.
- Each time a Level 1, 2 or 3 Corrective Action is required, this form needs to be re-signed and re-certified by the Permittee and attached to the SWPPP.

Is this SWPPP certification in response to a Level 1, 2 or 3 Corrective Action? ☐Yes ☒No

***If Yes***, Type of Corrective Action: ☐Level 1 ☐Level 2 ☐Level 3*****

Date SWPPP update/revision completed: January 28, 2025

Briefly describe SWPPP Update (use back side, if necessary):

- The entire SWPPP was updated to reflect current Site conditions and reflect recent Ecology inspection requirements. In addition, the new SWPPP was prepared to meet the requirements of the new ISGP that went into effect on January 1, 2025.

***Note:** For Level 3 Corrective Actions, a qualified industrial stormwater professional must review the revised SWPPP, and sign and certify below, in accordance with Condition S8.D.2:

"The Permittee has made appropriate revisions to the SWPPP to include additional Treatment BMPs with the goal of achieving the applicable benchmark value(s) in future discharges. Based on my review of the SWPPP, discharges from the facility are reasonably expected to meet the ISGP benchmarks upon implementation."

Joey Hickey
Qualified Industrial Stormwater Professional's Printed Name

Principal
Title

Qualified Industrial Stormwater Professional's Signature

2/14/25
Date

(cont'd next page)

*"I certify under penalty of law that this SWPPP and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate information to determine compliance with the Industrial Stormwater General Permit. Based on my inquiry of the person or persons who are responsible for stormwater management at my facility, this draft SWPPP is, to the best of my knowledge and belief, true, accurate, and complete, and in full compliance with Permit Conditions S3 and S8, including the correct Best Management Practices from the applicable Stormwater Management Manual (except where footnoted on page 11). I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."*

STERLING GRAY
Operator's Printed Name *

SECRETARY/TREASURER
Title

Operator's Signature *

2/5/2025
Date

* Federal regulations require this document to be signed in accordance with Condition G2.

## SWPPP Revision Log

In accordance with Industrial Stormwater General Permit (ISGP) Section S3.A.3, the SWPPP shall be updated:

- If the owner/operator or the applicable local or state regulatory authority determines during inspections or investigations that the SWPPP is, or would be, ineffective in eliminating or significantly minimizing pollutants in stormwater discharges from the site, and
- Whenever there is a change in design, construction, operation, or maintenance at the facility, or significantly increases the quantity of pollutants discharged.

**Revision Timeline:**

2-2025

- The previous SWPPP was prepared in 2012 and was not representative of the current ISGP or current site conditions. A new SWPPP was prepared in January 2025.

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## Appendices

# 1. Introduction, Facility Description and Contact Information

## 1.1. Introduction

Washington's Department of Ecology (Ecology) was granted the authority to administer the National Pollutant Discharge Elimination System (NPDES) program from the Environmental Protection Agency (EPA). This Stormwater Pollution Prevention Plan (SWPPP) fulfills the requirements outlined in Section 3 of the Industrial Stormwater General Permit (ISGP) issued by the Washington State Department of Ecology (Ecology) and covers ISGP No. WAR000922.

## 1.2. Facility Information

### 1.2.1. Facility Location and Permit

**Name of Facility**: North Star Casteel Inc. (Site or Facility)

**Location:** 45.631409, -122.683708
**Address**: 1200 West 13th Street
Vancouver, WA 98660
**County**: Clark

**Permit Number**: WAR000922

**Industrial Classification:**

SIC Code: 3325 – Steel Foundries
NAICS Code: 331513 – Steel Foundries that do not make investment castings
NAICS Code: 327390 – Other Concrete Product Manufacturing

**Estimated Area of Industrial Activity exposed to stormwater at the Site**: 3.28 acres

### 1.2.2. Discharge Information

Does this facility discharge stormwater into surface waters? ☐ Yes ☒ No

Does this facility discharge stormwater into a municipal storm water conveyance system?

☐ Yes ☒ No

## 1.3. Contact Information/Responsible Parties

**Facility Owner:**

**Name:** Realta Thuaid LLC
**Address**: 4514 NE 12th Ct.
**City, State, Zip Code:** Vancouver, WA 98663
**Telephone Number:** (360) 713-3574
**Email address:** realtathuiadhllc@gmail.com

**Facility Operator:**

**Name:** North Star Casteel Products Inc
**Address:** 1200 W 13th St.
**City, State,** Vancouver, WA 98660
**Telephone Number:** (206) 622-0068

**SWPPP Contact (authorized representative):**

**Name:** Sterling Gray
**Cell Number:** (360)726-5912
**Email address**: sterlingg@northstarcasteel.com

# 2. Facility Assessment

## 2.1. Facility Description

North Star Casteel (North Star) operates the Site as a foundry. The Site consists of 14 tax lots totaling 3.28 acres in Vancouver, Washington, northwest of the intersection of West 13th Street (W 13th St) and Lincoln Avenue (Lincoln Ave) (Figure 1). The property is located within the southeast quarter of the northeast quarter of Section 28, Township 2 North, Range 1 East.

There are currently five primary structures at the property consisting of: 1) a 25,000 square foot (sq. ft.) foundry building, 2) a 4,100 sq. ft. maintenance shop, 3) a 3,200 sq. ft. welding building, 4) a 450 sq. ft. residence, and 5) a 950 sq. ft. office. Two Quonset hut style storage buildings approximately 800 and 1,200 sq. ft. in size are located near the northwest portion of the property. The Quonset buildings are used for sand and equipment storage. The northeastern portion of the Site is currently leased to All County Cremation and Burial Services LLC, who utilizes the area to form cement caskets. The buildings and general layout of the site are shown on Figure 2.

The Site is located in an industrial area with commercial and mixed-use zoning to the east. The zoning for the Site is Industrial. The site is bordered to the south by a former bulk fuel facility that is now operated by Emerald Petroleum Services (Emerald) as a used oil collection, treatment, and resale facility with numerous above ground storage tanks (ASTs) (Facility ID: 47231541). The Site is bordered to the west by a Burlington Northern Sante Fe (BNSF) railway and several associated buildings. The Site is bordered to the north by the Erwin O. Rieger Memorial Highway (WA-501) and residential properties north of the highway. The Site is bounded to the east by Lincoln Avenue and the Lincoln Place Apartments and a commercial building across the street.

The primary business activities as foundry fall under NAICS code 331513. Due to the presence of the caskets, the Site also carries NAICS code 327390 (other concrete product manufacturing).

### 2.1.1. Regular Business Hours

Monday through Friday from, 4:00 am – 1:00 pm, except major U.S. Holidays.

### 2.1.2. General Layout

The general Site layout is detailed in the SWPPP map (Figure 2). Industrial activities are generally conducted indoors, however, finished products are stored outside. The Site has three main structures, including the welding shop, maintenance building, and the Foundry building. Raw materials are delivered by truck and off loaded outside and then transferred inside upon arrival.

**Table 1. Industrial activity, materials inventory, and associated pollutants.**

| Activity | Description | Associated Stormwater Pollutants and Primary Sources |
|---|---|---|
| Traffic and vehicular movement, including loading and unloading | Product is transported on/off Site. Loading and unloading takes place throughout the Site. | Zinc – Tire wear<br>Copper – Brake use<br>Petroleum hydrocarbons – Grease/oil from vehicles |
| Scrap equipment and metal | Scrap equipment is located throughout the Site. Covered scrap bins are also present. | Various metals from stormwater contact with scrap metal. |
| Finished casting products | Prior to pick up, finished casting products are stored outside. | Various metals from stormwater contact with finished product. |
| Baghouse dust/spent sands | Dust and spent sands produced from indoor foundry activities are collected in baghouse filters and swept from the floor. This foundry waste is stored in containers both inside and outside. | Various metals from stormwater contact with stored spent sands and dust. |
| Bulk liquids | 55-gallon drums of hydraulic oil, linseed oil, and parting oil are stored on-Site, under cover. | Petroleum hydrocarbons from oils from potential spills or leaks. |
| Metal roofing | Galvanized roofing present throughout the Site. | Metals, primarily zinc, from stormwater contact with roofs. |
| Compressors | Compressors are located throughout the Site. | Petroleum hydrocarbons from potential leaks. |
| Casket manufacturing | Concrete caskets are manufactured in the northeast corner of the Site indoors. Finished caskets are stored both indoors and outdoors. | Potential for concrete dust to contact stormwater increasing total suspended solids (TSS) and pH. |

## 2.2. Stormwater Drainage System

Based on the results of utility locating activities in late 2024, six drainage areas were identified as described below and illustrated in Figure 3.

- **Drainage Basin 01 (DB-01)** – Consists of 1.17 acres of the Site where stormwater infiltrates directly into non-paved areas. In addition, this basin includes run-off from the two Quonset storage huts and portions of the Foundry roof where downspouts daylight to the ground. No off-Site stormwater discharge is present in DB-01.

- **Drainage Basin 02 (DB-02)** – Consists of 0.25 acres of the Site where stormwater from the roof of the Foundry building drains to a rain garden located on the northern side of the structure. No off-Site stormwater discharge is present in DB-02.

- **Drainage Basin 03 (DB-03)** – Consists of 0.39 acres of the Site where stormwater drains to CB-04 and/or DB-03. Based on the Site investigation and topographic survey, neither CB-03 or CB-04 are or can be connected to the City conveyance system. No off-Site stormwater discharge is present in DB-03. It is unknown if the drainage connects to a UIC or if stormwater discharges below grade in general.

- **Drainage Basin 04 (DB-04)** – Consists of 0.27 acres of the Site where stormwater infiltrates directly into the ground or stormwater from roofs daylight to the ground where the water infiltrates. No off-Site stormwater discharge is present in DB-04.

- **Drainage Basin 05 (DB-05)** – Consists of 0.19 acres of the Site where stormwater drains to CB-05 and/or one of the three trench drains (TD-01, -02 and -03). A portion of the stormwater in this area drains through a pipe and discharges to the surface of the neighboring western property. The neighboring property does not have catch basins, swales or other conveyance infrastructure and stormwater infiltrates directly into the ground. In addition, CB-05 drains to an interior catch basin (INT-CB) that drains to the south. Stormwater from INT-CB appears to drain south and discharges to the subsurface. Historically, this Outfall was labeled as Outfall-005. To maintain consistent nomenclature, this outfall is still considered Outfall-005.

- **Drainage Basin 06 (DB-06)** – Consists of 0.86 acres of the Site where stormwater drains into CB-01, -02 and/or -06. Based on the 2024 investigation, stormwater from DB-06 drains into the subsurface of the neighboring western property. It is unknown if the drainage connects to a UIC or if stormwater discharges below grade in general.

## 2.3. Spills and Leaks

Areas where potential spills or leaks may occur are loading and unloading areas, material storage areas, drum storage, waste storage areas, and compressor buildings. In general, each of the

potential spill areas could impact Outfall 005. See Section 2.2 for a discussion of stormwater drainage at the Site.

North Star does not have knowledge or record of significant spills or leaks of toxic or hazardous pollutants occurring in exposed areas and presenting an ongoing exposure to stormwater within the past three years. Any significant spills and leaks of toxic or hazardous pollutants will be recorded in the Spill Log (Appendix A).

# 3. Best Management Practices

Best management practices (BMPs) are defined as schedules of activities, prohibitions of practices, maintenance procedures, and structural and/or managerial practices that, when used alone or in combination, prevent or reduce the release of pollutants and other adverse impacts to waters. The primary purpose of using BMPs is to protect beneficial uses of water resources through the reduction of pollutant loads and concentrations, and through reduction of discharges causing stream channel erosion.

This Site has chosen the "Presumptive Approach" in selecting BMPs. Specifically, Volume IV – Source Control BMPs of the Stormwater Management Manual for Western Washington was used to develop the BMPs for the Site.

The following sections describe the BMPs selected to eliminate or reduce potential contaminants from stormwater at the Facility.

## 3.1. Operational Source Control BMPs

Operational Source Control BMPs are activities, procedures, and practices that prevent or reduce the pollution of waters of the State. These include good housekeeping, preventative maintenance, spill prevention, employee training, inspections and record keeping, and identification and elimination of illicit discharges. These source controls are described below.

### 3.1.1. Good Housekeeping

Good housekeeping measures are practiced onsite to prevent pollutants and particulates from entering stormwater. These activities match those described in the ISGP. They are:

- Paved surfaces are swept with a vacuum sweeper at least quarterly to remove accumulated pollutants. Records of sweeping invoices are kept on site for a minimum of five years.

- Onsite sources of dust are identified and controlled. Dust generation is minimized as much as possible. Isolated incidents of excessive dust generation are addressed such that they do not continue or become routine.

- Inspect and maintain bag houses monthly to prevent the escape of dust from the system. Immediately remove any accumulated dust at the base of exterior bag houses.

- Dumpsters are fitted with lids that remain closed when not in use and kept under cover whenever practical.

### 3.1.2. Preventative Maintenance

The following is a summary of mandatory preventative maintenance BMPs. The preventative maintenance program addresses equipment and practices that, in the event of failure, could cause discharge of pollutants to surface waters.

- Catch basins and drainage features are inspected monthly during the rainy season and necessary maintenance requirements are determined. Grates are kept free of trash and debris.
- Debris is cleaned from catch basins and grates as necessary to allow proper flow. Catch basins are cleaned out annually or when the depth of the settled sediment reaches 60 percent of the sump depth (measured from the bottom of the catch basin to the invert of the lowest connecting pipe), whichever is less.
- Deterioration that could threaten the structural integrity of the storm drain structure (e.g., missing or damaged grates, missing catch basin/manhole lids, excessively corroded pipes, etc.) is repaired promptly if within North Star's capabilities. Otherwise, North Star will hire a contractor to make arrangements for prompt repair.
- Remove trash and debris from rain garden as needed. Remove any dead, diseased, or dying vegetation, as well as any vegetation growth that prevents maintenance and inspection access.
- Equipment and vehicles are inspected during monthly inspections for leaking fluids such as oil, antifreeze, etc. Leaking equipment and vehicles are taken out of service until repaired if leaks cannot be prevented from spilling on the ground.

### 3.1.3. Spill Prevention and Emergency Cleanup

The general stormwater permit requires that all facilities have spill prevention and response procedures in place. Spills are prevented at the Site through the following measures:

- Immediately clean up spills and leaks (e.g., using absorbents, vacuuming, etc.) to prevent the discharge of pollutants.
- Locate spill kits within 25 feet of all stationary fueling stations, fuel transfer stations, and mobile fueling units. At a minimum, spill kits shall include:
    - Oil absorbents capable of absorbing 15 gallons of fuel;
    - A storm drain plug or cover kit; and
    - A non-water (oil-absorbing) containment boom, a minimum of 10 feet in length with a 12-gallon absorbent capacity.
- Locate materials, equipment, and activities so that leaks are contained in existing containment and diversion systems (confine the storage of leaky or leak-prone vehicles and equipment awaiting maintenance to protected areas).

- Use drip pans and absorbents under or around leaky vehicles and equipment and store equipment indoors where feasible.
- Maintain a spill log that includes the following information for chemical and petroleum spills: date, time, amount, location, and reason for spill; date/time clean-up completed, notifications made, and staff involved. A copy of the spill log is included in Appendix A.

#### *3.1.3.1. Procedures When a Spill Occurs*

Site personnel are responsible for the cleanup of small releases of oil or other petroleum products that occur at the Site. Maintenance personnel will implement spill response actions with the equipment available to them to help arrest the flow of petroleum products, primarily from entering the stormwater drainage system, but to also prevent contamination of soil and groundwater. Spill-absorbing materials are located in the Site's spill control lockers and should be utilized for dealing with small surface spills of oil. Oil-contaminated sorbent will be disposed of in the proper manner. The following procedures must be followed for emergency response to oil spills to surface waters:

- Whenever there is an imminent or actual spill, notify the Spill Prevention Coordinator immediately.
- Whenever there is an unplanned discharge of oil or a hazardous substance, the Spill Prevention Coordinator, or the alternate, will immediately identify the location of the release; the type(s) of material(s) released; an estimate of the quantity of material released; possible sources of the release; and the date and time of the release.
- If assessment indicates an actual release of oil or hazardous substances to surface waters, the Spill Prevention Coordinator must immediately notify: 1) Washington State Response Center by dialing 911 or 800-258-5990 (non-emergency); and 2) National Response Center (using their 24-hour toll free number) 800-424-8802.
- Notify other appropriate state and/or local agencies with designated response roles if their help is needed.

When possible, cleanup will be accomplished using Site personnel and equipment. The Site has some equipment on site for spill response efforts. If the cleanup effort exceeds the capabilities of the Facility, the Spill Response Coordinator will, on an emergency basis, contract to an outside firm to begin cleanup. All contaminant cleanup materials and recovered oil shall be managed by a certified treatment facility.

The federal, state, and local permits required to transport or dispose of recovered product, contaminated soil, contaminated equipment and materials, personal protective equipment, and absorbents, as well as the facilities ability to handle the disposal, will vary depending on the contaminants and concentrations involved in the spill and cleanup.

Additional information and guidance regarding compliance requirements and disposal options can be obtained by contacting the RCRA Hotline at 800-424-9346.

#### *3.1.3.2. Pollution Prevention Team*

The pollution prevention team is responsible for assisting with implementation of the SWPPP. This includes the dedication of resources, capital, material, and manpower to ensure compliance with the SWPPP guidelines. The team consists of:

- Sterling Gray
- Mauricio Ocampo
- Juan Silva

### 3.1.4. Employee Training

Awareness training for Site personnel responsible for stormwater pollution prevention and spill containment and cleanup will be conducted annually by a qualified and knowledgeable representative of either the Site, or by a qualified and knowledgeable contractor. The representative will be thoroughly familiar with this SWPPP and with the requirements of the regulations under which it was prepared. Instruction will include an explanation of the rules governing the Site, the requirement for good housekeeping practices to prevent stormwater pollution, "dry runs" for spill response, discussions of possible incidents, and their appropriate responses.

Instruction will also be provided in the operation and maintenance of equipment to prevent the discharges of oil and other petroleum products, and applicable control laws, rules, and regulations. Any spill events or failures will be described and lessons learned as well as any newly developed or revised precautionary measures will be discussed. Record of personnel training will be retained in personnel training record. A copy of the training log is included in Appendix B.

### 3.1.5. Inspections and Recordkeeping

#### *3.1.5.1. Inspections*

Monthly Site inspections will be performed by qualified personnel and will be documented, in accordance with Section S7.B of the permit. A copy of the Monthly Inspection Report is included as Appendix C.

The results of each inspection will be retained with this SWPPP and included in Appendix C. If an inspection indicates that the requirements of this SWPPP or the ISGP are not being met, the inspection report will include a summary of the actions which will be taken to meet the requirements of this SWPPP and the ISGP. Each inspection report will include a statement that, in the judgment of the person conducting the Site inspection, and the designated person with signature authority (see Section 1.3), the Site is either in compliance or out of compliance with the terms and conditions of the SWPPP and the permit. In addition, the inspection report will include the name, title and signature of the person conducting the Site inspection, and the following

statement: “I certify that this report is true, accurate, and complete, to the best of my knowledge and belief.” The inspection report must also include the signature of the designated person.

Any non-compliance benchmarks identified as part of inspections will be reported to Ecology as required under the ISGP.

#### *3.1.5.2. Record Keeping*

##### *3.1.5.2.1. Recording of Results*

For each measurement or sample taken, the Site will record the following information: 1) the date, exact place, method, and time of sampling or measurement; 2) the individual who performed the sampling or measurement; 3) the dates the analyses were performed; 4) the individual or laboratory who performed the analyses; 5) the analytical techniques or methods used; and 6) the results of all analyses.

##### *3.1.5.2.2. Records Retention*

North Star will retain records of all monitoring information, inspection reports, and any other documentation of compliance with permit requirements for a minimum of five years.

- A copy of this permit
- A copy of the permit coverage letter
- Records of all sampling information
- Inspection reports including documentation specified in Condition S7 of the permit
- Any other documentation of compliance with permit requirements
- All equipment calibration records (e.g., pH meter calibration records)
- All BMP maintenance records
- All original recordings for continuous sampling instrumentation
- Copies of all laboratory reports as described in Condition S3.B.4 of the permit
- Copies of all reports required by the permit
- Records of all data used to complete the application for the permit

##### *3.1.5.2.3. SWPPP Revisions*

This SWPPP will be amended to reflect any changes in the operations, processes, structures, or facilities described in the Plan, by noting the changes in the appropriate sections of the Plan. If operational or structural changes are made at the Site that affect the storage and distribution of oil and other petroleum products, and the specific preventative measures described within this Plan, a review of the impact of these changes will be made and noted in the Plan.

Any changes or updates to the SWPPP will be submitted to Ecology no later than 14 days after the completion or the update of the SWPPP. The record of the dates of revisions, brief description of the revisions, and the title and section of the SWPPP that was revised will be noted on the SWPPP Revision Timeline at the beginning of this document.

### 3.1.6. Illicit Discharges

There are no known illicit discharges at the Site. As required under the ISGP, monthly visual inspections will include inspections for illicit discharge. Each monthly inspection will include observations for the presence of illicit discharges such as domestic wastewater, noncontact cooling water, or process wastewater (including wash water). If an illicit discharge is observed, Ecology shall be notified within seven days and the illicit discharge will be eliminated within 30 days.

## 3.2. Structural Source Control BMPs

Structural Source Control BMPs are physical constructions or devices used to reduce, eliminate, or treat contaminants in stormwater. Examples of structural control measures include secondary containment, sediment traps or filters, and protective coverings.

- The western area of the Site is graded to retain sheet flow and roof runoff stormwater on the Site.
- Roof drains on the northern portion of the Site are directed to a rain garden that is located north of the Foundry buildings.
- The Quonset huts are used to store significant materials away from stormwater contact.
- Forklifts and motor vehicles are not serviced outside.
- Vehicle washing is not conducted anywhere on-Site.
- The interior portion of the Foundry building near the trench drains and the floor of the welding shop are swept weekly.
- The onsite baghouses are serviced as needed, but generally on a quarterly basis. The pressure within the bag houses are recorded daily during use on the run-sheet. If the pressure reduces or increases above normal range, the plant manager (or designee) will be immediately notified. The filters in the dust collection system are changed as needed.

## 3.3. Treatment BMPs

Treatment BMPs include structures that remove pollutants by settling, filtration, biological uptake, soil adsorption, or other treatment techniques. The Site is not currently using treatment BMPs.

## 3.4. Erosion and Sediment Control BMPs

Erosion and sediment control BMPs are intended to prevent erosion and sedimentation by methods such as preserving natural vegetation, seeding, mulching and matting, plastic covering, filter fences, and sediment traps and ponds. In general, areas that are unpaved at the Site consist of gravels or grass that are relatively flat in nature. The Site has a very low potential for soil erosion because of these surface types and the nearly level topography.

# 4. Sampling Plan

The purpose of the stormwater monitoring plan is to characterize the quality of the stormwater runoff associated with industrial activities at the Site.

## 4.1. Discharge Locations

As discussed in Section 2.2, the Site currently has only one stormwater outfall (Outfall-005) as shown in Figures 2 and 3. Since Outfall-005 discharges directly to the neighboring property, the sample location for the Outfall has been designated at the confluence of TD-02 and TD-03 (Sampling Point 005).

## 4.2. Sampling Frequency

North Star samples the discharge from the designated location at least once per quarter during quarters in which discharge occurs during regular business hours:

- 1st Quarter: January, February, and March
- 2nd Quarter: April, May, and June
- 3rd Quarter: July, August, and September
- 4th Quarter: October, November, and December

Additionally, the first fall storm event will be sampled each year. First fall storm event means the first time on or after September 1st of each year that precipitation occurs and results in a stormwater discharge from a facility.

## 4.3. Parameters for Analysis

Stormwater will be sampled for the parameters listed in Table 2, below:

**Table 2. Benchmarks and analytical requirements for stormwater samples.**

| Parameter | Units | Benchmark Value | Analytical Method | Laboratory Quantitation Level [a] |
|---|---|---|---|---|
| Turbidity[c] | NTU | 25 | EPA 180.1 or Meter | 0.5 |
| pH[c] | Standard Units | Between 5.0 and 9.0 | Meter or Paper [b] | ± 0.5 |
| Oil Sheen[c] | Yes/No | No Visible Sheen | N/A | N/A |
| Copper, Total[c] | µg/L | 14 | EPA 200.8 | 2.0 |
| Zinc, Total[c] | µg/L | 117 | EPA 200.8 | 2.5 |
| Lead, Total[d] | µg/L | 64.6 | EPA 200.8 | 0.5 |
| Petroleum Hydrocarbons[d] | mg/L | 10 | NWTPH-Dx | 0.25 |
| TSS[e] | mg/L | 100 | SM 2540D | 5 |

a. *Ensure laboratory results comply with the quantitation level specified in the table.*
b. *Use a calibrated pH meter or narrow-range pH indicator paper with a resolution not greater than ± 0.5SU.*
c. *Required testing under general permit*
d. *Testing required for NAICS codes associated with metal facilities (331xxx)*
e. *Testing required for NAICS codes associated with concrete (327xxx)*

The Site may reduce monitoring to once a year for a period of three years (12 quarters) if these goals are consistently attained. Consistent attainment is defined as eight consecutive quarters where the reported values are equal to or less than the benchmark values. Any quarter with no stormwater discharge is not counted. For pH, equal to or less than the benchmark values means that the pH did not exceed nine and was not less than five.

Benchmark values are not water quality standards and are not numeric effluent limits. They are indicator values. Values at or below benchmark are considered unlikely to cause a water quality violation.

## 4.4. Sampling Procedures

### 4.4.1. General

North Star will sample a storm once a quarter provided there is a storm large enough to generate runoff from the Site that occurs during regular business hours and is safe to sample. If a sample cannot be taken, North Star will still submit a DMR for the reporting period that indicates that a sample could not be taken with a written explanation as to why there was no sample taken or no discharge.

Samples will be collected within the first 12 hours of stormwater discharge from the Site. If it is not possible to collect a sample within the first 12 hours of discharge (for example, the stormwater discharge event started on a Sunday), North Star will collect a sample as soon as practicable after the first 12 hours and keep documentation with the sampling records explaining why a sample could not be collected within the first 12 hours.

### 4.4.2. Staff Responsible for Sampling

Sterling Gray will oversee sampling operations, collecting samples, or designating other properly trained employees or contractors for sample collection.

### 4.4.3. Sample Collection and Handling

The samples will be sent to a lab accredited by Ecology for parameters listed in Section 4.3 for laboratory analysis. Accreditation assures Ecology that the lab can do quality testing using the analytical methods specified under Monitoring Requirements of the permit. The laboratory will provide sample containers that are specific to the parameters that will be sampled and analyzed for. pH is measured onsite using a calibrated field meter, or narrow-range pH indicator strips if a field meter is unavailable.

Grab samples will be taken in accordance with methods outlined in Ecology's "Stormwater Sampling Manual: A Guide for the Industrial Stormwater General Permit, Publication No 15-03-044" (December 2015) and Ecology's guidance "Collecting Grab Samples from Stormwater Discharges, Standard Operating Procedures, Publication 18-10-023" (March 2024).

Containers for testing and sampling will be held under the water near the exit pipe of TD-02. Care will be used to not overfill containers containing preservatives (e.g., acid preservative for metals). Sample containers will be labeled, capped tightly, and placed in a cooler on ice for transport to an accredited laboratory. The laboratory will be contacted ahead of time for sample delivery. A chain-of-custody form will be filled out and signed by the person performing the sampling and by the laboratory or courier upon receipt of the samples.

Table 3 provides a summary of the required sampling containers and sample holding times.

**Table 3. Sample container and holding requirements.**

| Parameter | Container Requirements | Preservative | Analytical Method | Holding Time |
|---|---|---|---|---|
| Turbidity | 500 mL plastic | None | EPA 180.1 or Field Meter | 48 hours |
| pH | NA | NA | Field Meter | NA |
| Oil Sheen | NA | NA | Visual | NA |
| Total Copper, Lead, and Zinc | 250 mL plastic | $HNO_3$ | EPA 200.8 | 180 days |
| TSS | 500 mL plastic | None | SM 2540D or EPA 160.2 | 7 days |
| Petroleum Hydrocarbons | 1 L amber glass | HCl | NWTPH-Dx | 14 days |

Notes:
mL = milliliters
EPA = U.S. Environmental Protection Agency
NA = Not Applicable

## 4.5. Reporting

North Star shall submit all Notices of Intent (NOIs), Notices of Termination (NOTs), Noncompliance Reports, Annual Reports, Discharge Monitoring Reports (DMRs), and other reporting information as required electronically, unless a waiver is granted from Ecology. All required information shall be submitted through Ecology's Water Quality Permitting Portal.

### 4.5.1. Discharge Monitoring Reports

Sample results will be reported to Ecology quarterly on a DMR. If no sampling is performed during a particular quarter, a DMR will still be submitted to Ecology with an explanation as to why no sampling occurred (e.g., no qualifying precipitation event). DMRs will be received by Ecology in accordance with the due dates in the following table:

**Table 4. DMR reporting due dates.**

| Reporting Period | Months | DMR Due Date |
|---|---|---|
| 1st | January-March | May 15th |
| 2nd | April-June | August 15th |
| 3rd | July-Sept | November 15th |
| 4th | October-December | February 15th |

### 4.5.2. Annual Reports

In accordance with Section S9 of the permit, North Star will submit a complete and accurate Annual Report to Ecology no later than May 15th of each year using Ecology's Water Quality Permitting Portal-Permit Submittals application. The annual report shall include corrective action documentation (if any occurred), as required in Section S8.BD of the permit. If corrective action has not been completed at the time of submission of the annual report, the status of outstanding corrective action(s) will be described. The following information will be included in each annual report:

- Conditions triggering the need for corrective action review.
- The problem(s) and date(s) they were discovered.
- A summary of any Level 1, 2, or 3 corrective actions completed during the previous calendar year and the dates of completed corrective actions.
- The status of any Level 2 or 3 corrective actions triggered during the previous calendar year, and the date by which corrective actions will be completed.

Copies of the annual reports will be kept on site for Ecology review.

# 5. References

Ecology, 2015a. Stormwater Sampling Manual: A guide for the Industrial Stormwater General Permit. Publication No. 15-03-044. December.

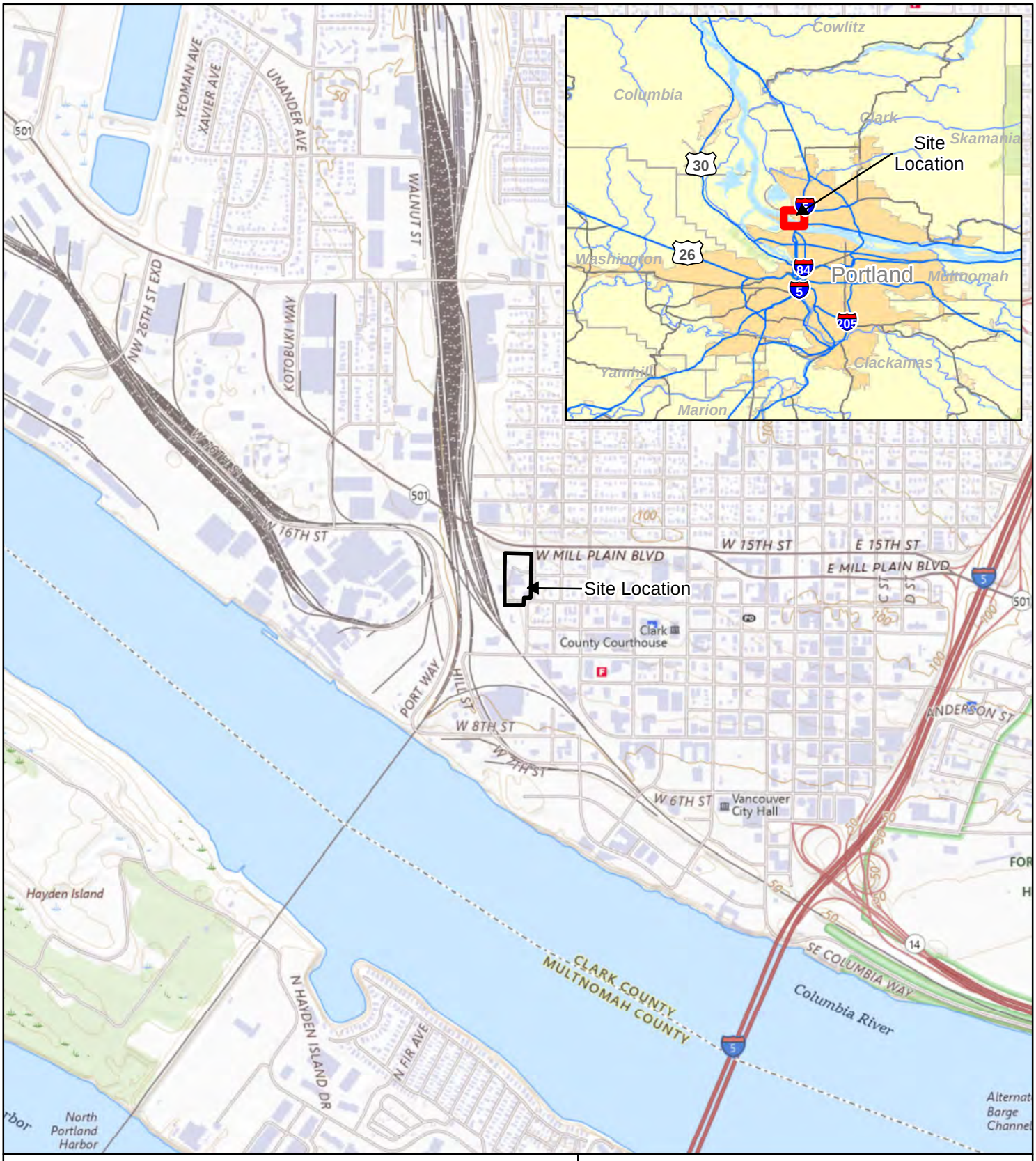
Ecology, 2004. Guidance Manual for Preparing/Updating a Stormwater Pollution Prevention Plan for Industrial Facilities. Publication No. 04-10- 030. 2004.

Ecology, 2024a. Industrial Stormwater General Permit, Washington State Department of Ecology. December 2.

Ecology, 2024b. Stormwater Management Manual for Western Washington. Publication Number 24-10-013. July.

Ecology, 2024c. Collecting Grab Samples from Stormwater Discharges, Standard Operating Procedure. Publication 18-10-023. March.

# FIGURES




**Legend**

Site Location

N

0 500 1,000 2,000 Feet

USGS The National Map: National Boundaries Dataset, 3DEP Elevation Program, Geographic Names Information System, National Hydrography Dataset, National Land Cover Database, National Structures Dataset, and National Transportation Dataset; USGS

## Site Location Map

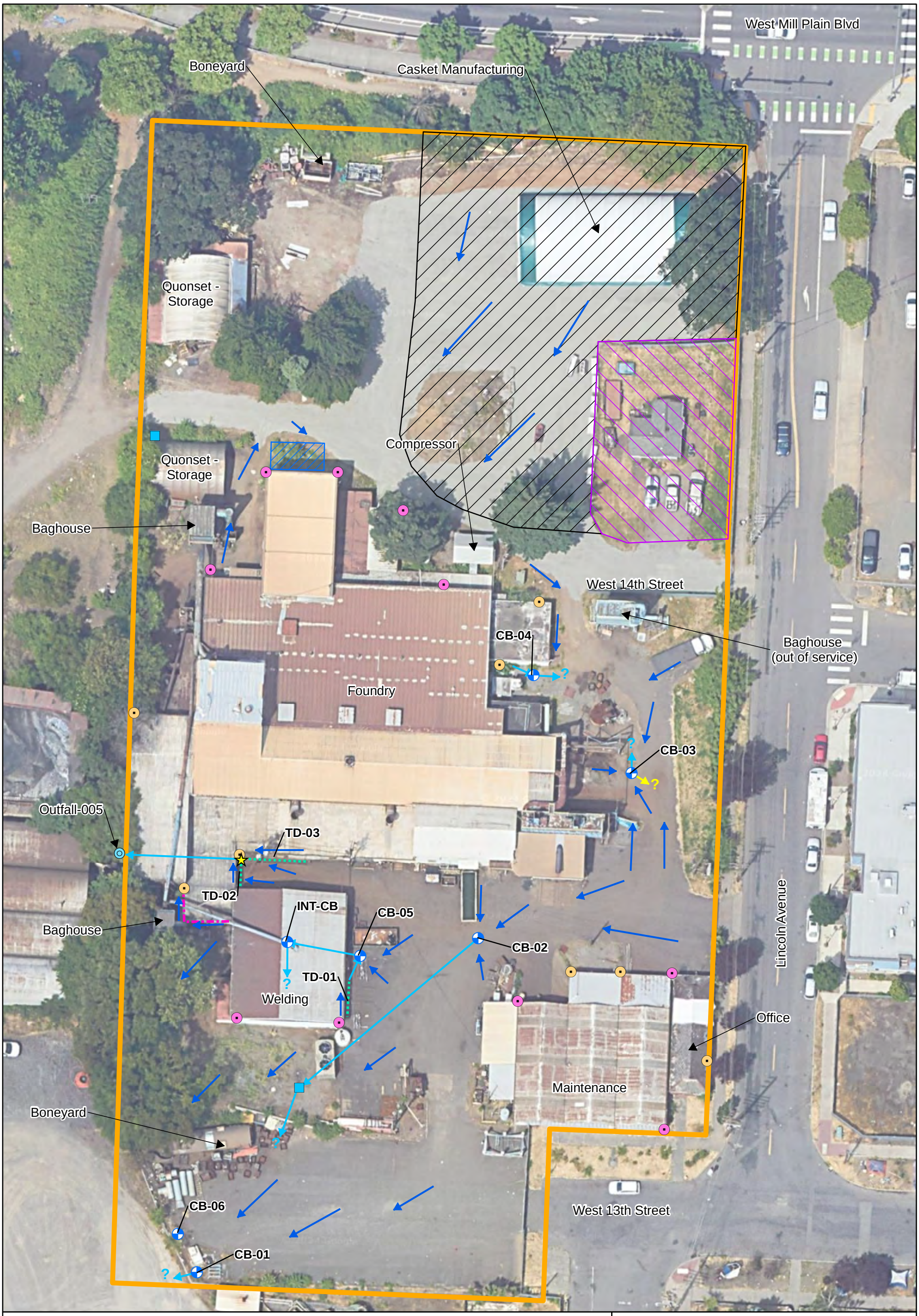
1200 West 13th Avenue
Vancouver, Washington

Geosyntec consultants

| PNW0557-04 | January 2025 |
|---|---|

**Figure 1**

P:\CAD_GIS\Projects\North Start Caststeel_Vancouver\MXDs\Figure 1 Site Location Map.mxd 1/3/2025 4:07:21 AM




**Legend**

- Site Boundary
- Residential Parcel
- Rain Garden
- Leased Parcels
- Downspout Piping
- Trench Drain
- Surface Water Drainage Direction
- Conveyance Line
- Pump Discharge
- Catch Basin
- Downspout (Discharge below Ground)
- Downspout (Discharge to Surface)
- Potential Shallow Drywell/Cleanout
- Outfall
- Sampling Point 005

Notes:
All locations are approximate.
Parcel boundaries courtesy of Clark County.
Imagery: Google Earth

N

0 10 20 40 Feet

**Site Layout Map**

1200 West 13th Avenue
Vancouver, Washington

Geosyntec consultants

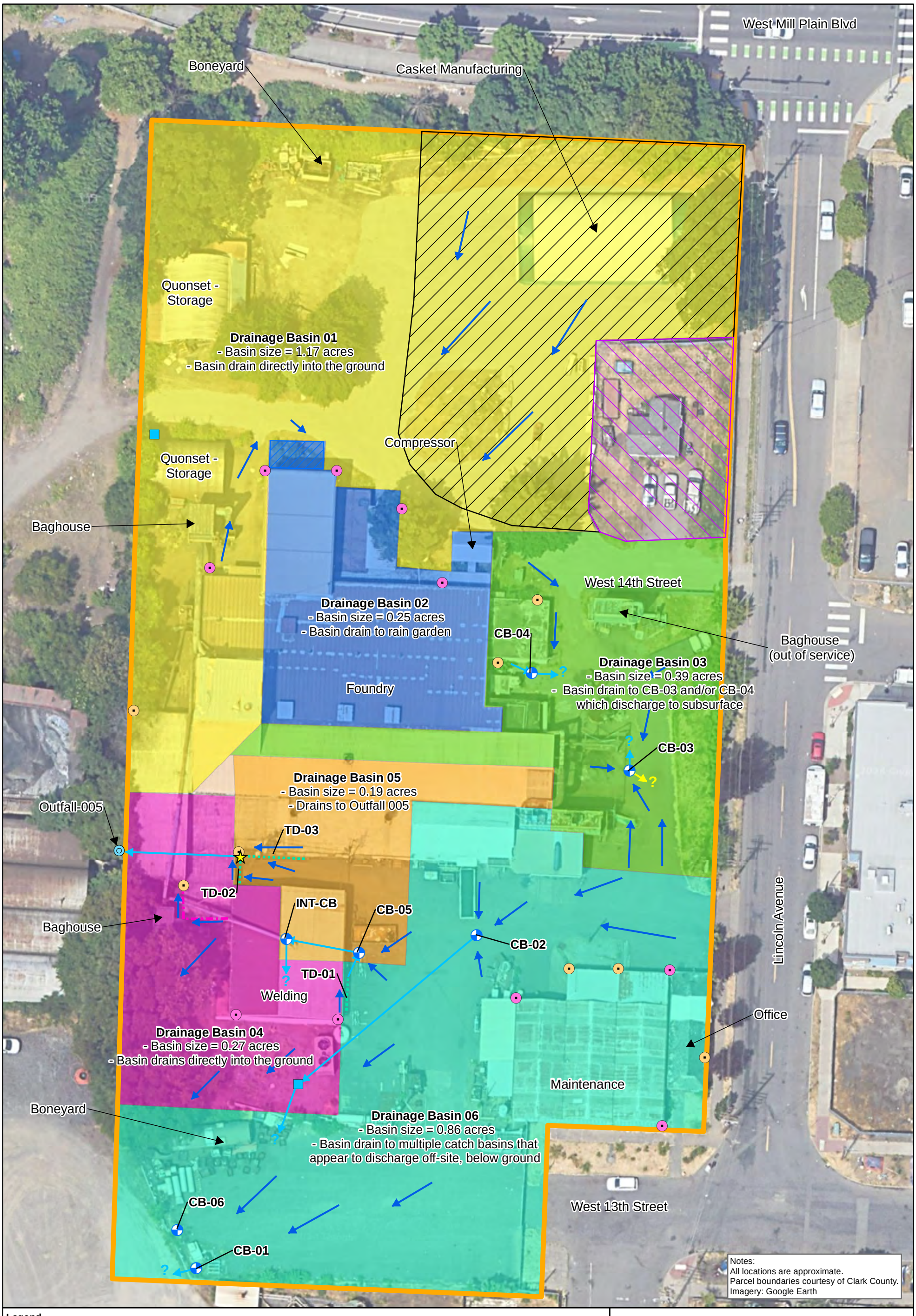
PNW0557-04

January 2025

**Figure 2**

DRAFT

Privileged and Confidential




**Site Drainage Map**

1200 West 13th Avenue
Vancouver, Washington

Geosyntec consultants

PNW0557-04 | January 2025

**Figure 3**

P:\CAD_GIS\Projects\North Start Caststeel_Vancouver\MXDs\Figure 3 Site Drainage Map.mxd 1/6/2025 5:39:04 AM

# APPENDIX A

# SPILL LOG

| Spill Record | Completed by:<br>Title:<br>Date: |
|---|---|

**List all chemical and petroleum spills and leaks**

| Date and Time | Location | Description | | | | Response Procedure | | Comments |
|---|---|---|---|---|---|---|---|---|
| | | Amount | Type of Material | Source, If Known | Reason for Spill/Leak | Notifications Made | Staff Involved | |
| | | | | | | | | |
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# APPENDIX B

# TRAINING LOG

Training Checklist

| Employee Training | Completed by: _____<br>Title: _____<br>Date: _____ |
|---|---|

Describe the annual training of employees on the SWPPP, addressing spill response, good housekeeping, and material management practices.

| Training Topics | Brief Description of Training Programs/Materials | Date of Training | Attendees |
|---|---|---|---|
| Spill Prevention and Response | | | |
| Good Housekeeping | | | |
| Material Management Practices | | | |
| SWPPP Implementation | | | |
| Monitoring Procedures | | | |

# APPENDIX C

# INDUSTRIAL STORMWATER MONTHLY INSPECTION REPORT

# Industrial Stormwater Monthly Inspection Report

Inspections must be conducted by a person with the knowledge and skills to assess conditions and activities that could impact stormwater quality at the facility, and evaluate the effectiveness of best management practices required by this permit. Retain a copy of the completed and signed form in accordance with Permit Condition S9.C.

| **FACILITY NAME:** | **INSPECTION TIME:** | **DATE:** |
|---|---|---|

**WEATHER INFORMATION:**

- Description of Weather Conditions (e.g., sunny, cloudy, raining, snowing, etc.):
  _____
  _____
- Was stormwater (e.g., runoff from rain or snowmelt) flowing at outfalls and/or discharge areas shown on the Site Map during the inspection: ☐ **Yes** ☐ **No** ☐ **Comments:**
  _____
  _____

**I. POTENTIAL POLLUTANT SOURCE AREA INSPECTION AND BEST MANAGEMENT PRACTICES EVALUATION**

| | **Yes** | **No** | **Findings and Remedial Action Documentation:** Describe any findings below and the schedule for remedial action completion including the date initiated and date completed or expected to be completed. |
|---|---|---|---|
| **SWPPP and Site Map**: Have a copy of the SWPPP and site map with you during the inspection so that you can ensure they are current and accurate. Use it as an aide in recording the location of any issues you identify during the inspection.<br>• Is the Site Map current and accurate?<br>• Is the SWPPP inventory of activities, materials and products current?<br>Any new potential pollutant sources must be added to the map and reflected in the *SWPPP Facility Assessment & Tables 2, 2A, 3 and 5*. | | | |

| | **Yes** | **No** | **NA** | **Findings and Remedial Action Documentation:** |
|---|---|---|---|---|
| **Vehicle/Equipment Areas**:<br>***Equipment cleaning: Check NA if not performed on-site. Skip section.***<br>Is equipment washed and/or cleaned only in designated areas?<br>• Observe washing: Is all wash water captured and properly disposed of?<br>***Equipment fueling: Check NA if not performed on-site. Skip section.***<br>• Are all fueling areas free of contaminant buildup and evidence of chronic leaks/spills?<br>• Are all chemical liquids, fluids, and petroleum products, on an impervious surface that is surrounded with a containment berm or dike that is capable of containing 10% of the total enclosed tank volume or 110% of the volume contained in the largest tank, whichever is greater?<br>• Are structures in place to prevent precipitation from accumulating in containment areas?<br>o If not, is there any water or other fluids accumulated within the containment area?<br>o Note: If containment areas are not covered to prevent water from accumulating, the SWPPP must include a plan describing how accumulated water will be managed and disposed of. | | | | |

| *Equipment maintenance:* | Yes | No | NA | Findings and Remedial Action Documentation: |
|---|---|---|---|---|
| • Are maintenance tools, equipment and materials stored under shelter, elevated and covered?<br>• Are all drums and containers of fluids stored with proper cover and containment?<br>• Are exteriors of containers kept outside free of deposits?<br>• Are any vehicles and/or equipment leaking fluids? Identify leaking equipment.<br>• Is there evidence of leaks or spills since last inspection? Identify and address.<br>• Are materials, equipment, and activities located so that leaks are contained in existing containment and diversion systems (confine the storage of leaky or leak-prone vehicles and equipment awaiting maintenance to protected areas)?<br>Add any additional site-specific BMPs:<br>_____<br>_____<br>_____<br>_____ | | | | |

## I. POTENTIAL POLLUTANT SOURCE AREA INSPECTION AND BEST MANAGEMENT PRACTICES EVALUATION

| **Good Housekeeping BMPs:** | **Yes** | **No** | **NA** | **Findings and Remedial Action Documentation:** |
|---|---|---|---|---|
| 1. Are paved surfaces free of accumulated dust/sediment and debris?<br>• Date of last quarterly vacuum/sweep _____<br>• Are there areas of erosion or sediment/dust sources that discharge to storm drains?<br>2. Are all waste receptacles located outdoors:<br>• In good condition?<br>• Not leaking contaminants?<br>• Closed when is not being accessed?<br>• External surfaces and area free of excessive contaminant buildup?<br>3. Are the following areas free of accumulated dust/sediment, debris, contaminants, and/or spills/leaks of fluids?<br>• External dock areas<br>• Pallet, bin, and drum storage areas<br>• Maintenance shop(s)<br>• Equipment staging areas (loaders, tractors, trailers, forklifts, etc)<br>• Around bag-house(s)<br>• Around bone yards<br>• Other areas of industrial activity:<br>_____<br>_____<br>_____<br>_____<br>_____<br>_____<br>_____ | | | | |

| **Spill Response and Equipment:** | **Yes** | **No** | **NA** | **Findings and Remedial Action Documentation:** |
|---|---|---|---|---|
| Are spill kits available, in the following locations?<br>• Fueling stations<br>• Transfer and mobile fueling units<br>• Vehicle and equipment maintenance areas<br>Do the spill kits contain all the permit required items?<br>• Oil absorbents capable of absorbing 15 gallons of fuel.<br>• A storm drain plug or cover kit.<br>• A non-water containment boom, a minimum of 10 feet in length with a 12 gallon absorbent capacity.<br>• A non-metallic shovel.<br>• Two five-gallon buckets with lids.<br>Are contaminated absorbent materials properly disposed of? | | | | |

**I. POTENTIAL POLLUTANT SOURCE AREA INSPECTION AND BEST MANAGEMENT PRACTICES EVALUATION**

| **General Material Storage Areas:**<br>• Are damaged materials stored inside a building or another type of storm resistance shelter?<br>• Are all uncontained material piles stored in a manner that does not allow discharge of impacted stormwater?<br>• Are scrap metal bins covered?<br>• Are outdoor containers covered? | **Yes** | **No** | **NA** | **Findings and Remedial Action Documentation:** |
|---|---|---|---|---|
| **Stormwater BMPs and Treatment Structures:** Visually inspect all stormwater BMPs and treatment structures devices, discharge areas infiltration and outfalls shown on the Site Map.<br>• Are BMPs and treatment structures in good repair and operational?<br>• Are BMPs and treatment structures free from debris buildup that may impair function?<br>• The permit requires Permittees to clean catch basins when the depth of debris reaches 60% of the sump depth. In addition, the Permittee must keep the debris surface at least 6 inches below the outlet pipe. Based on this, do catch basins need to be cleaned?<br>• Are berms, curbing or other methods used to divert and direct discharges adequate and in good condition? | **Yes** | **No** | **NA** | **Findings and Remedial Action Documentation:** |
| **Observation of Stormwater Discharges:**<br>• Is the discharge free of floating materials, visible oil sheen, discoloration, turbidity, odor, foam or any other signs of contamination?<br>• Water from washing vehicles or equipment, steam cleaning and/or pressure washing is considered process wastewater and is not allowed to comingle with stormwater or enter storm drains. Is process water comingling with stormwater or entering storm drains?<br>• Illicit discharges include domestic wastewater, noncontact cooling water, or process wastewater (including leachate). Were any illicit discharges observed during the inspection? | **Yes** | **No** | **NA** | **Findings and Remedial Action Documentation:** |

**II. CORRECTIVE ACTION AND SWPPP MODIFICATIONS DESCRIPTIONS:** Additional space to describe inspection findings and corrective actions if needed. Provide brief explanation of the general location and the rationale for the additional or different BMPs.

**III. CERTIFICATION STATEMENTS AND SIGNATURES:**

**Inspector - Certification:** This section must be completed by the person who conducted the site inspection prior to submitting this form to the person with signature authority (see Permit Condition G2) or a duly authorized representative of that person.

☐ The facility is in compliance with the terms and conditions of the SWPPP and the Industrial Stormwater General Permit.

☐ *The facility is out of compliance with the terms and conditions of the SWPPP and the Industrial Stormwater General Permit. This report includes the remedial actions that must be taken to meet the requirements of the SWPPP and permit, including a schedule of implementation of the remedial actions.*

*"I certify that this report is true, accurate, and complete, to the best of my knowledge and belief."*

| | | | |
|---|---|---|---|
| | | | |
| **Inspector's Name – Printed** | **Inspector's Signature** | **Inspector's Title** | **Date** |

**Permittee – Certification:**

☐ The facility is in compliance with the terms and conditions of the SWPPP and the Industrial Stormwater General Permit.

☐ *The facility is out of compliance with the terms and conditions of the SWPPP and the Industrial Stormwater General Permit. This report includes the remedial actions that must be taken to meet the requirements of the SWPPP and permit, including a schedule of implementation of the remedial actions.*

*"I certify under penalty of law, that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."*

| | | |
|---|---|---|
| | | |
| PRINTED NAME of person with **Signature Authority** (permit condition G2.A) or a **Duly Authorized Representative**[1] | SIGNATURE of person with **Signature Authority** (permit condition G2.A) or a **Duly Authorized Representative**[1] | **DATE** |

[1]A person is duly authorized representative only if 1) the authorization is made in writing by a person described in Permit Condition G2.A and submitted to Ecology, and 2) the authorization specifies either an individual or a position having responsibility for the overall operation of the regulated *facility*, such as the position of plant manager, superintendent, position of equivalent responsibility, or an individual or position having overall responsibility for environmental matters.

# APPENDIX B
Boring Logs

| | | | | |
|---|---|---|---|---|
| Coarse-Grained Soils - More than 50%[1] Retained on No. 200 Sieve | Gravels - More than 50%[1] of Coarse Fraction Retained on No. 4 Sieve | ≤5% Fines | GW | Well-graded GRAVEL<br>Well-graded GRAVEL WITH SAND |
| | | | GP | Poorly-graded GRAVEL<br>Poorly-graded GRAVEL WITH SAND |
| | | ≥15% Fines | GM | SILTY GRAVEL<br>SILTY GRAVEL WITH SAND |
| | | | GC | CLAYEY GRAVEL<br>CLAYEY GRAVEL WITH SAND |
| | Sands - 50%[1] or More of Coarse Fraction Passes No. 4 Sieve | ≤5% Fines | SW | Well-graded SAND<br>Well-graded SAND WITH GRAVEL |
| | | | SP | Poorly-graded SAND<br>Poorly-graded SAND WITH GRAVEL |
| | | ≥15% Fines | SM | SILTY SAND<br>SILTY SAND WITH GRAVEL |
| | | | SC | CLAYEY SAND<br>CLAYEY SAND WITH GRAVEL |
| Fine-Grained Soils - 50%[1] or More Passes No. 200 Sieve | Silts and Clays Liquid Limit Less than 50% | | ML | SILT<br>SANDY or GRAVELLY SILT<br>SILT WITH SAND<br>SILT WITH GRAVEL |
| | | | CL | LEAN CLAY<br>SANDY or GRAVELLY LEAN CLAY<br>LEAN CLAY WITH SAND<br>LEAN CLAY WITH GRAVEL |
| | | | OL | ORGANIC SILT<br>SANDY or GRAVELLY ORGANIC SILT<br>ORGANIC SILT WITH SAND<br>ORGANIC SILT WITH GRAVEL |
| | Silts and Clays Liquid Limit 50% or More | | MH | ELASTIC SILT<br>SANDY or GRAVELLY ELASTIC SILT<br>ELASTIC SILT WITH SAND<br>ELASTIC SILT WITH GRAVEL |
| | | | CH | FAT CLAY<br>SANDY or GRAVELLY FAT CLAY<br>FAT CLAY WITH SAND<br>FAT CLAY WITH GRAVEL |
| | | | OH | ORGANIC CLAY<br>SANDY or GRAVELLY ORGANIC CLAY<br>ORGANIC CLAY WITH SAND<br>ORGANIC CLAY WITH GRAVEL |
| Highly Organic Soils | | | PT | PEAT and other mostly organic soils |

"WITH SILT" or "WITH CLAY" means 5 to 15% silt and clay, denoted by a "-" in the group name; e.g., SP-SM • "SILTY" or "CLAYEY" means >15% silt and clay • "WITH SAND" or "WITH GRAVEL" means 15 to 30% sand and gravel. • "SANDY" or "GRAVELLY" means >30% sand and gravel. • "Well-graded" means approximately equal amounts of fine to coarse grain sizes • "Poorly graded" means unequal amounts of grain sizes • Group names separated by "/" means soil contains layers of the two soil types; e.g., SM/ML.

Soils were described and identified in the field in general accordance with the methods described in ASTM D2488. Where indicated in the log, soils were classified using ASTM D2487 or other laboratory tests as appropriate. Refer to the report accompanying these exploration logs for details.

1. Estimated or measured percentage by dry weight
2. (SPT) Standard Penetration Test (ASTM D1586)
3. Determined by SPT, DCPT (ASTM STP399) or other field methods. See report text for details.

## GEOTECHNICAL LAB TESTS

| | | |
|---|---|---|
| MC | = | Natural Moisture Content |
| PS | = | Particle Size Distribution |
| FC | = | Fines Content (% < 0.075 mm) |
| GH | = | Hydrometer Test |
| AL | = | Atterberg Limits |
| C | = | Consolidation Test |
| Str | = | Strength Test |
| OC | = | Organic Content (% Loss by Ignition) |
| Comp | = | Proctor Test |
| K | = | Hydraulic Conductivity Test |
| SG | = | Specific Gravity Test |

## CHEMICAL LAB TESTS

***Organic Chemicals***

| | | |
|---|---|---|
| BTEX | = | Benzene, Toluene, Ethylbenzene, Xylenes |
| TPH-Dx | = | Diesel and Oil-Range Petroleum Hydrocarbons |
| TPH-G | = | Gasoline-Range Petroleum Hydrocarbons |
| VOCs | = | Volatile Organic Compounds |
| SVOCs | = | Semi-Volatile Organic Compounds |
| PAHs | = | Polycyclic Aromatic Hydrocarbon Compounds |
| PCBs | = | Polychlorinated Biphenyls |

***Metals***

| | | |
|---|---|---|
| RCRA8 | = | As, Ba, Cd, Cr, Pb, Hg, Se, Ag, (d = dissolved, t = total) |
| MTCA5 | = | As, Cd, Cr, Hg, Pb (d = dissolved, t = total) |
| PP-13 | = | Ag, As, Be, Cd, Cr, Cu, Hg, Ni, Pb, Sb, Se, Tl, Zn (d=dissolved, t=total) |

## FIELD TESTS

| | | |
|---|---|---|
| PID | = | Photoionization Detector |
| Sheen | = | Oil Sheen Test |
| SPT[2] | = | Standard Penetration Test |
| NSPT | = | Non-Standard Penetration Test |
| DCPT | = | Dynamic Cone Penetration Test |

## COMPONENT DEFINITIONS

| *Descriptive Term* | | *Size Range and Sieve Number* |
|---|---|---|
| Boulders | = | Larger than 12 inches |
| Cobbles | = | 3 inches to 12 inches |
| Coarse Gravel | = | 3 inches to 3/4 inches |
| Fine Gravel | = | 3/4 inches to No. 4 (4.75 mm) |
| Coarse Sand | = | No. 4 (4.75 mm) to No. 10 (2.00 mm) |
| Medium Sand | = | No. 10 (2.00 mm) to No. 40 (0.425 mm) |
| Fine Sand | = | No. 40 (0.425 mm) to No. 200 (0.075 mm) |
| Silt and Clay | = | Smaller than No. 200 (0.075 mm) |

## ESTIMATED[1] PERCENTAGE

| *% by Weight* | | *Modifier* | *% by Weight* | | *Modifier* |
|---|---|---|---|---|---|
| <1 | = | Subtrace | 15 to 25 | = | Little |
| 1 to <5 | = | Trace | 30 to 45 | = | Some |
| 5 to 10 | = | Few | >50 | = | Mostly |

## MOISTURE CONTENT

| | | |
|---|---|---|
| Dry | = | Absence of moisture, dusty, dry to the touch |
| Slightly Moist | = | Perceptible moisture |
| Moist | = | Damp but no visible water |
| Very Moist | = | Water visible but not free draining |
| Wet | = | Visible free water, usually from below water table |

## RELATIVE DENSITY

***Non-Cohesive or Coarse-Grained Soils***

| *Density*[3] | | *SPT*[2] *Blows/Foot* | *Penetration with 1/2" Diameter Rod* |
|---|---|---|---|
| Very Loose | = | 0 to 4 | ≥ 2' |
| Loose | = | 5 to 10 | 1' to 2' |
| Medium Dense | = | 11 to 30 | 3" to 1' |
| Dense | = | 31 to 50 | 1" to 3" |
| Very Dense | = | > 50 | < 1" |

## CONSISTENCY

***Cohesive or Fine-Grained Soils***

| *Consistency*[3] | | *SPT*[2] *Blows/Foot* | *Manual Test* |
|---|---|---|---|
| Very Soft | = | 0 to 1 | Penetrated >1" easily by thumb. Extrudes between thumb & fingers. |
| Soft | = | 2 to 4 | Penetrated 1/4" to 1" easily by thumb. Easily molded. |
| Medium Stiff | = | 5 to 8 | Penetrated >1/4" with effort by thumb. Molded with strong pressure. |
| Stiff | = | 9 to 15 | Indented ~1/4" with effort by thumb. |
| Very Stiff | = | 16 to 30 | Indented easily by thumbnail. |
| Hard | = | > 30 | Indented with difficulty by thumbnail. |

## GEOLOGIC CONTACTS

Observed and Distinct — Observed and Gradual — Inferred

Aspect CONSULTING

# Exploration Log Key

Geosyntec consultants
920 SW Sixth Avenue, Suite 600
Portland, Oregon 97204
Phone: 503.222.9518

**PROJECT** North Star Casteel
**PROJECT LOCATION** North Star Casteel
**PROJECT NUMBER** NWSW0030

# KEY SHEET - CLASSIFICATIONS AND SYMBOLS

GS FORM: KEY 09/99

## EMPIRICAL CORRELATIONS WITH STANDARD PENETRATION RESISTANCE N VALUES *

| | N VALUE * (BLOWS/FT) | CONSISTENCY | UNCONFINED COMPRESSIVE STRENGTH (TONS/SQ FT) |
|---|---|---|---|
| FINE GRAINED SOILS | 0 - 2 | VERY SOFT | <0.25 |
| | 3 - 4 | SOFT | 0.25 - 0.50 |
| | 5 - 8 | FIRM | 0.50 - 1.00 |
| | 9 - 15 | STIFF | 1.00 - 2.00 |
| | 16 - 30 | VERY STIFF | 2.00 - 4.00 |
| | 31 - 50 | HARD | >4.00 |
| | >50 | VERY HARD | |

| | N VALUE * (BLOWS/FT) | RELATIVE DENSITY |
|---|---|---|
| COARSE GRAINED SOILS | 0 - 4 | VERY LOOSE |
| | 5 - 10 | LOOSE |
| | 11 - 30 | MEDIUM DENSE |
| | 31 - 50 | DENSE |
| | >50 | VERY DENSE |

* ASTM D 1586; NUMBER OF BLOWS OF 140 POUND HAMMER FALLING 30 INCHES TO DRIVE A 2 IN. O.D., 1.4 IN. I.D. SAMPLER ONE FOOT.

## UNIFIED SOIL CLASSIFICATION AND SYMBOL CHART

| MAJOR DIVISIONS | | | SYMBOLS | DESCRIPTIONS |
|---|---|---|---|---|
| COARSE GRAINED SOILS — MORE THAN 50% OF MATERIAL COARSER THAN NO. 200 SIEVE SIZE | GRAVEL AND GRAVELLY SOILS — MORE THAN 50% OF COARSE FRACTION RETAINED ON NO.4 SIEVE | CLEAN GRAVELS — LITTLE OR NO FINES | GW | WELL-GRADED GRAVELS, GRAVEL-SAND MIXTURES, LITTLE OR NO FINES |
| | | | GP | POORLY GRADED GRAVELS, GRAVEL-SAND MIXTURES, LITTLE OR NO FINES |
| | | GRAVELS WITH FINES — APPRECIABLE AMOUNT OF FINES | GM | SILTY GRAVELS, GRAVEL-SAND-SILT MIXTURES |
| | | | GC | CLAYEY GRAVELS, GRAVEL-SAND-CLAY MIXTURES |
| | SAND AND SANDY SOILS — MORE THAN 50% OF COARSE FRACTION PASSING NO.4 SIEVE | CLEAN SANDS — LITTLE OR NO FINES | SW | WELL GRADED SANDS, GRAVELLY SANDS, LITTLE OR NO FINES |
| | | | SP | POORLY GRADED SANDS, GRAVELLY SANDS, LITTLE OR NO FINES |
| | | SANDS WITH FINES — APPRECIABLE AMOUNT OF FINES | SM | SILTY SANDS, SAND-SILT MIXTURES |
| | | | SC | CLAYEY SANDS, SAND-CLAY MIXTURES |
| FINE GRAINED SOILS — MORE THAN 50% OF MATERIAL FINER THAN NO. 200 SIEVE SIZE | SILTS AND CLAYS | LIQUID LIMIT LESS THAN 50 | ML | INORGANIC SILTS AND VERY FINE SANDS, ROCK FLOUR, SILTY OR CLAYEY FINE SANDS OR CLAYEY SILTS WITH SLIGHT PLASTICITY |
| | | | CL | INORGANIC CLAYS OF LOW TO MEDIUM PLASTICITY, GRAVELLY CLAYS, SANDY CLAYS, SILTY CLAYS, LEAN CLAYS |
| | | | OL | ORGANIC SILTS AND ORGANIC SILTY CLAYS OF LOW PLASTICITY |
| | SILTS AND CLAYS | LIQUID LIMIT GREATER THAN 50 | MH | INORGANIC SILTS, MICACEOUS OR DIATOMACEOUS FINE SANDY OR SILTY SOILS, ELASTIC SILT |
| | | | CH | INORGANIC CLAYS OF HIGH PLASTICITY, FAT CLAYS |
| | | | OH | ORGANIC CLAYS OF MEDIUM TO HIGH PLASTICITY, ORGANIC SILTS |
| HIGHLY ORGANIC SOILS | | | PT | PEAT, HUMUS, SWAMP SOILS WITH HIGH ORGANIC CONTENT |

NOTE: DUAL SYMBOLS USED FOR BORDERLINE CLASSIFICATIONS

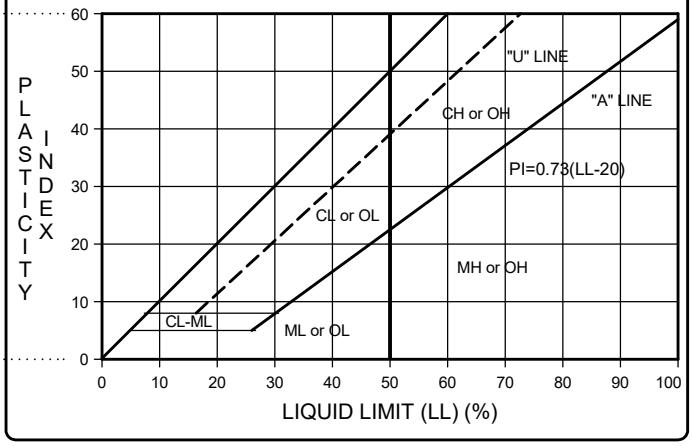
## PARTICLE SIZE IDENTIFICATION

| | |
|---|---|
| BOULDERS | >300 mm |
| COBBLES | 75 - 300 mm |
| GRAVEL: COARSE | 19.0 - 75 mm |
| GRAVEL: FINE | 4.75 - 19 mm |
| SAND: COARSE | 2.00 - 4.75 mm |
| SAND: MEDIUM | 0.425 - 2.00 mm |
| SAND: FINE | 0.075 - 0.425 mm |
| SILT | 0.075 - 0.002 mm |
| CLAY | <0.002 mm |

WELL GRADED - HAVING WIDE RANGE OF GRAIN SIZES AND APPRECIABLE AMOUNTS OF ALL INTERMEDIATE PARTICLE SIZES

POORLY GRADED - PREDOMINANTLY ONE GRAIN SIZE, OR HAVING A RANGE OF SIZES WITH SOME INTERMEDIATE SIZES MISSING

## PLASTICITY CHART




## OTHER MATERIAL SYMBOLS

- Siltstone
- Sandstone
- Siltstone/Claystone
- Claystone
- Shale
- Siltstone/Sandstone
- Conglomerate
- Granitic
- Sand
- Silt
- Silty Sand
- Alluvium
- Artificial Fill
- Debris Fill
- Asphalt
- Cement

## WELL SYMBOLS

- Concrete
- Grout
- Hydrated Bentonite
- Filter Sand
- Well Screen
- Well Sump
- Native / Slough
- Centralizer

## SAMPLER AND OTHER SYMBOLS

- Auger
- Core
- Drive Point
- Grab Sample
- Core Loss
- Rock Core

- Water Level at Time Drilling, or as Shown
- Static Water Level
- MSL: Mean Sea Level
- AGS: Above Ground Surface
- BGS: Below Ground Surface
- PID: Photoionization Detector
- ppm: Parts per Million

PORTLAND - KEY (ENV) DRAFT BORING LOGS.GPJ PNW DEFAULT GINT LIBRARY.GLB 10/12/25

Geosyntec consultants
920 SW Sixth Avenue, Suite 600
Portland, Oregon 97204
Phone: 503.222.9518

GS FORM: BORE 1/99

# BOREHOLE RECORD

**BORING** SB-01 **SHEET** 1 OF 1
**START DATE** 7/31/2025
**FINISH DATE** 7/31/2025
**PROJECT** North Star Casteel
**LOCATION** North Star Casteel
**PROJECT NUMBER** NWSW0030

| DEPTH (ft) | MATERIAL DESCRIPTION | SYMBOLIC LOG | USCS Classification | CORE: % RECOVERY | CORE: TYPE | SAMPLES: SAMPLE NAME | SAMPLES: PID READING (ppm) | COMMENTS |
|---|---|---|---|---|---|---|---|---|
| | No recovery. | | | | | | | No sheen or odor observed in core. |
| 2 | Dark gray (5YR 4/1), dry, loose, well graded, sandy GRAVEL with silt. | | GM | 54% | | | 0 | |
| | | | | | | SB-01-3.25 | 0 | |
| 4 | Yellowish red (5YR 4/6), moist, stiff, sandy SILT, with 1.5 inch rounded gravel. | | ML | | | | 0 | |
| | No Recovery. | | | | | | | |
| 6 | | | | | | | | |
| | Yellowish red (5YR 4/6), moist, stiff, sandy SILT, with 1.5 inch rounded gravel. | | ML | 60% | | | 0 | |
| 8 | | | | | | SB-01-8.25 | 0 | |
| | Black, moist, well graded fine to medium, silty SAND. | | SM | | | | 0 | |
| 10 | No recovery. | | | | | | | |
| | Black, moist, well graded fine to medium, silty SAND. | | SM | | | | | |
| 12 | Yellowish red (5YR 4/6), moist, stiff, sandy SILT, with 1.5 inch rounded gravel. | | ML | 66% | | | 0 | |
| | | | | | | SB-01-13.25 | 0 | |
| 14 | Very dark gray (5YR 3/1), moist, loose, well graded, silty SAND with 1.5 inch rounded gravel. | | SM | | | | 0 | |
| | No recovery. | | | | | | | |
| 16 | | | | | | | | |
| | SLOUGH: Tan, dry, silty SAND with gravel. | | SM | 56% | | | 0 | |
| 18 | Very dark reddish brown (5 YR3/2), moist, rounded, well graded fine to coarse, sandy GRAVEL with silt. | | GM | | | | 0 | |
| | | | | | | SB-01-19.25 | 0 | |
| 20 | End of boring at 20 feet below ground surface. | | | | | | | |

**CONTRACTOR** Holt Drilling
**EQUIPMENT** GeoProbe 7822DT
**DRILL MTHD** Direct Push
**DIAMETER** 2.25 inch
**LOGGER** Jobe Traywick

**LATITUDE**
**LONGITUDE**
**ANGLE** Vertical
**PRINTED** 11/03/25

**REMARKS:**

SEE KEY SHEET FOR SYMBOLS AND ABBREVIATIONS

Geosyntec consultants

920 SW Sixth Avenue, Suite 600
Portland, Oregon 97204
Phone: 503.222.9518

GS FORM: BORE 1/99

# BOREHOLE RECORD

**BORING** SB-02 **SHEET** 1 OF 1
**START DATE** 7/31/2025
**FINISH DATE** 7/31/2025
**PROJECT** North Star Casteel
**LOCATION** North Star Casteel
**PROJECT NUMBER** NWSW0030

| DEPTH (ft) | MATERIAL DESCRIPTION | SYMBOLIC LOG | USCS Classification | CORE % RECOVERY | CORE TYPE | SAMPLES SAMPLE NAME | SAMPLES PID READING (ppm) | COMMENTS |
|---|---|---|---|---|---|---|---|---|
| 0 | No recovery. | | | 44% | | | | No sheen or odor observed in core. |
| 2 | Dark gray (5YR 4/1), dry, loose, well graded, sandy GRAVEL with silt. | | GM | | | | 0 | |
| 4 | Yellowish red (5YR 4/6), moist, stiff, sandy SILT, with 1.5 inch rounded gravel. | | ML | | | SB-02-4.25 | 0 | |
| 6 | No recovery. | | | 54% | | | | |
| 8 | Yellowish red (5YR 4/6), moist, stiff, sandy SILT, with 1.5 inch rounded gravel. | | ML | | | | 0 | |
| | Dark gray (5YR 4/1), dry, loose, well graded, sandy GRAVEL with silt. | | GM | | | | 0 | |
| 10 | No recovery. | | | | | SB-02-9.75 | | |
| 12 | Dark gray (5YR 4/1), dry, loose, well graded, sandy GRAVEL with silt. | | GM | 66% | | | 0 | |
| 14 | Very dark gray (5YR 3/1), moist, loose, poorly graded, coarse, SAND. Sand grains are angular, and tan, gray, black, and red. | | SP | | | SB-02-14.25 | 0 | |
| 16 | SLOUGH: Tan, dry, silty SAND with angular to rounded gravel. | | SM | | | | 0 | |
| 18 | Very dark gray (5YR 3/1), moist, loose, poorly graded, coarse, SAND. Sand grains are angular, and tan, gray, black, and red. | | SP | 100% | | | 0 | |
| 20 | End of boring at 20 feet below ground surface. | | | | | SB-02-19.75 | 0 | |

**CONTRACTOR** Holt Drilling
**EQUIPMENT** GeoProbe 7822DT
**DRILL MTHD** Direct Push
**DIAMETER** 2.25 inch
**LOGGER** Jobe Traywick

**LATITUDE**
**LONGITUDE**
**ANGLE** Vertical
**PRINTED** 11/03/25

**REMARKS:**

SEE KEY SHEET FOR SYMBOLS AND ABBREVIATIONS

PNG0786B_DPT NO WELL_DRAFT BORING LOGS.GPJ PNW DEFAULT GINT LIBRARY.GLB 11/3/25

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920 SW Sixth Avenue, Suite 600
Portland, Oregon 97204
Phone: 503.222.9518

GS FORM: BORE 1/99

# BOREHOLE RECORD

**BORING** SB-03 **SHEET** 1 OF 1
**START DATE** 7/31/2025
**FINISH DATE** 7/31/2025
**PROJECT** North Star Casteel
**LOCATION** North Star Casteel
**PROJECT NUMBER** NWSW0030

| DEPTH (ft) | MATERIAL DESCRIPTION | SYMBOLIC LOG | USCS Classification | CORE % RECOVERY | CORE TYPE | SAMPLES SAMPLE NAME | SAMPLES PID READING (ppm) | COMMENTS |
|---|---|---|---|---|---|---|---|---|
| 0 | No recovery. | | | 50% | | | | No sheen or odor observed in core. |
| 2 | Gray, dry, loose, angular, fine, silty GRAVEL | | GM | | | | | |
| | Gray, moist, loose, subrounded, well graded fine to coarse, silty SAND with gravel up to 1.5 inches. | | SM | | | SB-03-3.25 | 0 | |
| 4 | Yellowish red (5YR 4/6), moist, stiff, sandy SILT, with 1.5 inch rounded gravel. | | ML | | | | 0 | |
| | Gray, moist, loose, well graded fine to coarse, silty SAND with gravel. | | SM | | | | | |
| 6 | No recovery. | | | 40% | | | | |
| 8 | SLOUGH: Tan, dry, loose, silty SAND with gravel. | | SM | | | | | |
| | Yellowish red (5YR 4/6), moist, stiff, sandy SILT, with 1.5 inch rounded gravel. | | ML | | | SB-03-8.75 | 0 | |
| | Very dark gray (5YR 3/1), dry, loose, poorly graded, coarse SAND with trace subrounded gravel. | | SP | | | | 0 | |
| 10 | No recovery. | | | | | | | |
| | Reddish brown (5YR 5/1), dry, loose, well graded fine to coarse, silty SAND with 20% subrounded gravel. | | SW | 76% | | | 0 | |
| 12 | | | | | | | 0 | |
| | Very dark gray (5YR 5/1), moist, loose, well graded fine to coarse, SAND with 10% subrounded gravel. | | SW | | | | 0 | |
| 14 | | | | | | | 0 | |
| | | | | | | SB-03-14.75 | | |
| | SLOUGH: Tan, dry, loose, silty SAND with gravel. | | SW | | | | 0 | |
| 16 | | | | | | | 0 | |
| | Very dark gray (5YR 3/1), moist, loose, poorly graded, coarse, SAND. Sand grains are angular, and tan, gray, black, and red. | | SP | 100% | | | 0 | |
| 18 | | | | | | | 0 | |
| | | | | | | SB-03-19.75 | 0 | |
| 20 | End of boring at 20 feet below ground surface. | | | | | | | |

**CONTRACTOR** Holt Drilling
**EQUIPMENT** GeoProbe 7822DT
**DRILL MTHD** Direct Push
**DIAMETER** 2.25 inch
**LOGGER** Jobe Traywick

**LATITUDE**
**LONGITUDE**
**ANGLE** Vertical
**PRINTED** 11/03/25

**REMARKS:**

SEE KEY SHEET FOR SYMBOLS AND ABBREVIATIONS

PNG0786B_DPT NO WELL_DRAFT BORING LOGS.GPJ_PNW DEFAULT GINT LIBRARY.GLB 11/3/25

Geosyntec consultants
920 SW Sixth Avenue, Suite 600
Portland, Oregon 97204
Phone: 503.222.9518

GS FORM: BORE 1/99

# BOREHOLE RECORD

**BORING** SB-04 **SHEET** 1 OF 1
**START DATE** 7/31/2025
**FINISH DATE** 7/31/2025
**PROJECT** North Star Casteel
**LOCATION** North Star Casteel
**PROJECT NUMBER** NWSW0030

| DEPTH (ft) | MATERIAL DESCRIPTION | SYMBOLIC LOG | USCS Classification | CORE % RECOVERY | CORE TYPE | SAMPLES SAMPLE NAME | SAMPLES PID READING (ppm) | COMMENTS |
|---|---|---|---|---|---|---|---|---|
| | No recovery. | | | | | | | No sheen or odor observed in core. |
| 2 | Brown, dry, loose, angular, poorly graded fine, silty GRAVEL with trace rootlets. One 0.25 inch piece of blue plastic. | | GM | 66% | | SB-04-2.25 | 0 | |
| | Dark gray (5YR 4/1), dry, loose, well graded fine to coarse, silty SAND with subrounded gravel. Gravel content increases with depth from 15% to 20% and silt content decreases from 30% to 20%. | | SM | | | | 0 | |
| 4 | | | | | | | 0 | |
| | No recovery. | | | | | | | |
| 6 | Dark gray (5YR 4/1), dry, loose, well graded fine to coarse, silty SAND. | | SM | | | | 0 | |
| | Very dark gray (5YR 3/1), moist, loose, poorly graded, coarse, SAND. Sand grains are angular, and tan, gray, black, and red. | | SP | 80% | | SB-04-7.25 | 0 | |
| 8 | | | | | | | 0 | |
| | | | | | | | 0 | |
| 10 | End of boring at 10 feet below ground surface. | | | | | | | |

**CONTRACTOR** Holt Drilling
**EQUIPMENT** GeoProbe 7822DT
**DRILL MTHD** Direct Push
**DIAMETER** 2.25 inch
**LOGGER** Jobe Traywick

**LATITUDE**
**LONGITUDE**
**ANGLE** Vertical
**PRINTED** 11/03/25

**REMARKS:**

SEE KEY SHEET FOR SYMBOLS AND ABBREVIATIONS

Geosyntec consultants
920 SW Sixth Avenue, Suite 600
Portland, Oregon 97204
Phone: 503.222.9518

GS FORM: BORE 1/99

# BOREHOLE RECORD

**BORING** SB-05 **SHEET** 1 OF 1
**START DATE** 7/31/2025
**FINISH DATE** 7/31/2025
**PROJECT** North Star Casteel
**LOCATION** North Star Casteel
**PROJECT NUMBER** NWSW0030

| DEPTH (ft) | MATERIAL DESCRIPTION | SYMBOLIC LOG | USCS Classification | CORE % RECOVERY | CORE TYPE | SAMPLES SAMPLE NAME | SAMPLES PID READING (ppm) | COMMENTS |
|---|---|---|---|---|---|---|---|---|
| 0 | No recovery. | | | | | | | No sheen or odor observed in core. |
| 2 | Gray, dry , loose, well graded fine to medium, angular GRAVEL. | | GW | 54% | | SB-05-2.75 | 0 | |
| | Black (5YR 25./1), moist, stiff, sandy SILT with gravel. | | ML | | | | 0 | |
| 4 | Dark reddish gray (5YR 4/2), dry, loose, well graded fine to coarse, silty SAND with angular to rounded gravel up to 1.5 inches. | | SM | | | | 0 | |
| | No recovery. | | | | | | | |
| 6 | Very dark gray (5YR 3/1), dry, loose, well graded fine to coarse, silty SAND with 20% rounded gravel up to 2 inches. | | SM | | | | 0 | |
| | Very dark gray (5YR 3/1), moist, loose, poorly graded, coarse, SAND. Sand grains are angular, and tan, gray, black, and red. | | SP | 80% | | | 0 | |
| 8 | | | | | | | 0 | |
| | | | | | | SB-05-9.25 | 0 | |
| 10 | End of boring at 10 feet below ground surface. | | | | | | | |

**CONTRACTOR** Holt Drilling
**EQUIPMENT** GeoProbe 7822DT
**DRILL MTHD** Direct Push
**DIAMETER** 2.25 inch
**LOGGER** Jobe Traywick

**LATITUDE**
**LONGITUDE**
**ANGLE** Vertical
**PRINTED** 11/03/25

**REMARKS:**

SEE KEY SHEET FOR SYMBOLS AND ABBREVIATIONS

PNG0786B_DPT NO WELL_DRAFT BORING LOGS.GPJ PNW DEFAULT GINT LIBRARY.GLB 11/3/25

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Phone: 503.222.9518

GS FORM: BORE 1/99

# BOREHOLE RECORD

**BORING** SB-06 **SHEET** 1 OF 1
**START DATE** 7/31/2025
**FINISH DATE** 7/31/2025
**PROJECT** North Star Casteel
**LOCATION** North Star Casteel
**PROJECT NUMBER** NWSW0030

| DEPTH (ft) | MATERIAL DESCRIPTION | SYMBOLIC LOG | USCS Classification | CORE % RECOVERY | CORE TYPE | SAMPLES SAMPLE NAME | SAMPLES PID READING (ppm) | COMMENTS |
|---|---|---|---|---|---|---|---|---|
| | No recovery. | | | | | | | No sheen or odor observed in core. |
| | Dark gray, dry, soft, sandy SILT with 30% angular gravel. | | ML | | | | | |
| 2 | Dark gray (5YR 4/1), dry, loose, well graded fine to coarse, silty SAND with 20% subrounded grave up to 1 inch. | | SM | 70% | | SB-06-2.25 | 0 | |
| | | | | | | | 0 | |
| 4 | | | | | | | 0 | |
| | No recovery. | | | | | | | |
| 6 | Dark gray (5YR 4/1), dry, loose, well graded fine to coarse, silty SAND with 20% subrounded grave up to 1 inch. | | SM | | | | 0 | |
| | Very dark gray (5YR 3/1), moist, loose, poorly graded, coarse, SAND. Sand grains are angular, and tan, gray, black, and red. | | SP | 80% | | | 0 | |
| 8 | | | | | | SB-06-8.25 | 0 | |
| | | | | | | | 0 | |
| 10 | End of boring at 10 feet below ground surface. | | | | | | | |

**CONTRACTOR** Holt Drilling
**EQUIPMENT** GeoProbe 7822DT
**DRILL MTHD** Direct Push
**DIAMETER** 2.25 inch
**LOGGER** Jobe Traywick

**LATITUDE**
**LONGITUDE**
**ANGLE** Vertical
**PRINTED** 11/03/25

**REMARKS:**

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Portland, Oregon 97204
Phone: 503.222.9518

GS FORM: BORE 1/99

# BOREHOLE RECORD

**BORING** SB-07 **SHEET** 1 OF 1
**START DATE** 7/31/2025
**FINISH DATE** 7/31/2025
**PROJECT** North Star Casteel
**LOCATION** North Star Casteel
**PROJECT NUMBER** NWSW0030

| DEPTH (ft) | MATERIAL DESCRIPTION | SYMBOLIC LOG | USCS Classification | CORE % RECOVERY | CORE TYPE | SAMPLES SAMPLE NAME | SAMPLES PID READING (ppm) | COMMENTS |
|---|---|---|---|---|---|---|---|---|
| | No recovery. | | | | | | | |
| | Dark reddish brown (5YR 3/3), moist, stiff, sandy SILT with rounded to subrounded gravel up to 1 inch. | | ML | | | | 0 | No sheen or odor observed in core. |
| 2 | ROCK | | ROCK | 68% | | | | |
| | Very dark gray (5YR 3/1), dry, loose, well graded fine to coarse, silty SAND with 20% rounded to subrounded gravel up to 1 inch. | | SM | | | SB-07-2.75 | 0 | |
| | Very dark gray (5YR 3/1), dry, loose, poorly graded medium, SAND with trace rounded gravel and trace silt. | | SP | | | | 0 | |
| 4 | | | | | | | 0 | |
| | No recovery. | | | | | | | |
| | SLOUGH: Very dark gray, dry, loose, silty SAND with trace gravel. | | SM | | | | | |
| 6 | Very dark gray (5YR 3/1), moist, loose, poorly graded, coarse, SAND. Sand grains are angular, and tan, gray, black, and red. | | SP | | | | 0 | |
| | | | | 88% | | | 0 | |
| 8 | | | | | | | 0 | |
| | | | | | | SB-07-9.25 | 0 | |
| 10 | End of boring at 10 feet below ground surface. | | | | | | | |

**CONTRACTOR** Holt Drilling
**EQUIPMENT** GeoProbe 7822DT
**DRILL MTHD** Direct Push
**DIAMETER** 2.25 inch
**LOGGER** Jobe Traywick

**LATITUDE**
**LONGITUDE**
**ANGLE** Vertical
**PRINTED** 11/03/25

**REMARKS:**

SEE KEY SHEET FOR SYMBOLS AND ABBREVIATIONS

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Phone: 503.222.9518

GS FORM: BORE 1/99

# BOREHOLE RECORD

**BORING** SB-08 **SHEET** 1 OF 1
**START DATE** 7/31/2025
**FINISH DATE** 7/31/2025
**PROJECT** North Star Casteel
**LOCATION** North Star Casteel
**PROJECT NUMBER** NWSW0030

| DEPTH (ft) | MATERIAL DESCRIPTION | SYMBOLIC LOG | USCS Classification | CORE % RECOVERY | CORE TYPE | SAMPLES SAMPLE NAME | SAMPLES PID READING (ppm) | COMMENTS |
|---|---|---|---|---|---|---|---|---|
| 0 | No recovery. | | | 48% | | | | No sheen or odor observed in core. |
| 2 | Dark gray, dry, loose, granular, poorly graded medium, GRAVEL. | | GP | | | | | |
| | Reddish brown (5YR 5/1), moist, stiff, SILT, with 30% rounded gravel up to 2 inches. Trace glass. | | ML | | | SB-08-3.75 | 0 | |
| 4 | Gray (5YR 5/1), dry, loose, well graded fine to coarse, silty SAND with trace gravel. | | SM | | | | 0 | |
| | No recovery. | | | 80% | | | | |
| 6 | Gray (5YR 5/1), dry, loose, well graded fine to coarse, silty SAND with 20% gravel up to 2 inches. | | SM | | | | 0 | |
| | Very dark gray (5YR 3/1), moist, loose, poorly graded, coarse, SAND. Sand grains are angular, and tan, gray, black, and red. | | SP | | | | 0 | |
| 8 | | | | | | | 0 | |
| | | | | | | SB-08-9.25 | 0 | |
| 10 | SLOUGH: Dark gray, dry, loose, well graded fine to coarse, silty SAND with 30% rounded to subrounded gravel. | | SM | | | | 0 | |
| | | | | | | | 0 | |
| 12 | Very dark gray (5YR 3/1), moist, loose, poorly graded, coarse, SAND. Sand grains are angular, and tan, gray, black, and red. | | SP | 100% | | | 0 | |
| | | | | | | | 0 | |
| 14 | | | | | | SB-08-14.25 | 0 | |
| | SLOUGH: Dark gray, dry, loose, well graded fine to coarse, silty SAND with 30% rounded to subrounded gravel. | | SM | | | | 0 | |
| 16 | | | | | | | 0 | |
| | Very dark gray (5YR 3/1), moist, loose, poorly graded, coarse, SAND. Sand grains are angular, and tan, gray, black, and red. | | SP | 100% | | | 0 | |
| 18 | | | | | | | 0 | |
| | | | | | | SB-08-19.25 | 0 | |
| 20 | End of boring at 20 feet below ground surface. | | | | | | | |

**CONTRACTOR** Holt Drilling
**EQUIPMENT** GeoProbe 7822DT
**DRILL MTHD** Direct Push
**DIAMETER** 2.25 inch
**LOGGER** Jobe Traywick

**LATITUDE**
**LONGITUDE**
**ANGLE** Vertical
**PRINTED** 11/03/25

**REMARKS:**

SEE KEY SHEET FOR SYMBOLS AND ABBREVIATIONS

# APPENDIX C
Laboratory Reports

Sample Receipt Checklist

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

G188

Pace Analytical National Mount Juliet, TN

# CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY- Affix Workorder/Login Label Here

Scan QR Code for instructions

L1884546

| | |
|---|---|
| Company Name: Geosyntec Consultants | Contact/Report To: Joey Hickey |
| Street Address: 920 SW Sixth Avenue Suite 600 Portland, Oregon 97204 | Phone #: 503-222-9518 |
| | E-Mail: jhickey@geosyntec.com |
| | Cc E-Mail: jlaurance@geosyntec.com |
| Customer Project #: NWSW0030 | Invoice to: Submit to Coupa |
| Project Name: North Star Casteel | Invoice E-mail: |
| Site Collection Info/Facility ID (as applicable): Vancouver, WA | Purchase Order # (if applicable): WO-NWSW0030-11591 |
| | Quote #: |
| Time Zone Collected: [ ] AK [X] PT [ ] MT [ ] CT [ ] ET | County / State origin of sample(s): Clark Co. Washington |
| Data Deliverables: [ ] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other | Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No |
| | Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day Other Standard TAT |
| | Date Results Requested: |
| | DW PWSID # or WW Permit # as applicable: |
| | Field Filtered (if applicable): [ ] Yes [ ] No |
| | Analysis: |

Specify Container Size **: 40mL | 4oz | 40mL | 4oz | 4oz | 2oz | --

Identify Container Preservative Type***: MeOH | None | MeOH | None | None | None | --

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

| Customer Sample ID | Matrix * | Comp / Grab | Composite Start Date | Composite Start Time | Collected or Composite End Date | Collected or Composite End Time | # Cont. | Residual Chlorine Result | Residual Chlorine Units | NWTPH-Gx | NWTPH-Dx (diesel and oil range) | VOCs (EPA 8260) | PAHs (EPA 8270) | PCBs (EPA 8082A) | Metals (See Note, Priority Pollutant 13 metals + Mn) | Hold All | Sample Comment | Preservation non-conformance identified for sample. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SB-01-3.25 | SS | G | | | 7/31/2025 | 1441 | 4 | | | | | | | | | H | -01 | |
| SB-01-8.75 | SS | G | | | 7/31/2025 | 1447 | 4 | | | X | X | X | X | X | X | | -02 | |
| SB-01-13.25 | SS | G | | | 7/31/2025 | 1500 | 4 | | | X | X | X | X | X | X | | -03 | |
| SB-01-19.25 | SS | G | | | 7/31/2025 | 1507 | 4 | | | | | | | | | H | -04 | |
| SB-02-4.25 | SS | G | | | 7/31/2025 | 1320 | 4 | | | | | | | | | H | -05 | |
| SB-02-9.75 | SS | G | | | 7/31/2025 | 1327 | 4 | | | X | X | X | X | X | X | | -06 | |
| SB-02-14.75 | SS | G | | | 7/31/2025 | 1340 | 4 | | | X | X | X | X | X | X | | -07 | |
| SB-02-19.75 | SS | G | | | 7/31/2025 | 1348 | 4 | | | H | H | H | H | H | X | | -08 | |
| SB-03-3.25 | SS | G | | | 7/31/2025 | 1229 | 4 | | | | | | | | | H | -09 | |
| SB-03-8.75 | SS | G | | | 7/31/2025 | 1237 | 4 | | | X | X | X | X | X | X | | -10 | |

Lab Use Only: Proj. Mgr: | AcctNum / Client ID: | Table #: | Profile / Template: | Prelog / Bottle Ord. ID:

Additional Instructions from Pace®:

Collected By: Printed Name Jon Laurance Signature Jon Laurance

Customer Remarks / Special Conditions / Possible Hazards:
H=Hold; Metals: Sb, As, Be, Cd, Cr, Cu, Pb, Hg, Ni, Se, Ag, Tl, Zn, Mn

# Coolers: | Thermometer ID: | Correction Factor (°C): | Obs. Temp. (°C): | Corrected Temp. (°C): | [ ] On Ice

| Relinquished by/Company: (Signature) | Date/Time: | Received by/Company: (Signature) | Date/Time: |
|---|---|---|---|
| Jon Laurance | 8/1/2025 1145 | To FedEx | 8/1/25 1145 |
| Relinquished by/Company: (Signature) | Date/Time: | Received by/Company: (Signature) | Date/Time: |
| | | Sabrina Ohm | 8/2/25 8:30 |
| Relinquished by/Company: (Signature) | Date/Time: | Received by/Company: (Signature) | Date/Time: |
| Relinquished by/Company: (Signature) | Date/Time: | Received by/Company: (Signature) | Date/Time: |

Tracking Number:

Delivered by: [ ] In-Person [ ] Courier [ ] FedEX [ ] UPS [ ] Other

Pace® Location Requested (City/State): **Pace Analytical National Mount Juliet, TN**

# CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY- Affix Workorder/Login Label Here

Scan QR Code for instructions

L1884546

| | |
|---|---|
| Company Name: Geosyntec Consultants | Contact/Report To: Joey Hickey |
| Street Address: 920 SW Sixth Avenue, Suite 600, Portland, Oregon 97204 | Phone #: 503-222-9518 |
| | E-Mail: jhickey@geosyntec.com |
| | Cc E-Mail: jlaurance@geosyntec.com |
| Customer Project #: NWSW0030 | Invoice to: Submit to Coupa |
| Project Name: North Star Casteel | Invoice E-mail: |
| Site Collection Info/Facility ID (as applicable): Vancouver, WA | Purchase Order # (if applicable): WO-NWSW0030-11591 |
| | Quote #: |
| Time Zone Collected: [ ] AK [X] PT [ ] MT [ ] CT [ ] ET | County / State origin of sample(s): Clark Co. Washington |
| Data Deliverables: [ ] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other | Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No |
| | Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day Other Standard TAT — Date Results Requested: |
| | DW PWSID # or WW Permit # as applicable: |
| | Field Filtered (if applicable): [ ] Yes [ ] No — Analysis: |

Specify Container Size **: 40mL | 4oz | 40mL | 4oz | 4oz | 2oz | –

Identify Container Preservative Type***: MeOH | None | MeOH | None | None | None | –

Analysis Requested

** Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4 (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

| Customer Sample ID | Matrix * | Comp / Grab | Composite Start Date | Composite Start Time | Collected or Composite End Date | Collected or Composite End Time | # Cont. | Residual Chlorine Result | Residual Chlorine Units | NWTPH-Gx | NWTPH-Dx (diesel and oil range) | VOCs (EPA 8260) | PAHs (EPA 8270) | PCBs (EPA 8082A) | Metals (See Note, Priority Pollutant 13 metals + Mn) | Hold All | Sample Comment |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SB-03-14.75 | SS | G | | | 7/31/2025 | 1243 | 4 | | | X | X | X | X | X | X | | -01 |
| SB-03-19.75 | SS | G | | | 7/31/2025 | 1249 | 4 | | | H | H | H | H | H | X | | -02 |
| SB-04-2.25 | SS | G | | | 7/31/2025 | 1059 | 4 | | | X | X | X | X | X | X | | -03 |
| SB-04-7.75 | SS | G | | | 7/31/2025 | 1105 | 4 | | | X | X | X | X | X | X | | -04 |
| SB-05-2.75 | SS | G | | | 7/31/2025 | 1138 | 4 | | | X | X | X | X | X | X | | -05 |
| SB-05-9.25 | SS | G | | | 7/31/2025 | 1148 | 4 | | | X | X | X | X | X | X | | -16 |
| SB-06-2.25 | SS | G | | | 7/31/2025 | 1022 | 4 | | | X | X | X | X | X | X | | -17 |
| SB-06-8.25 | SS | G | | | 7/31/2025 | 1030 | 4 | | | X | X | X | X | X | X | | -18 |
| SB-07-2.75 | SS | G | | | 7/31/2025 | 0943 | 4 | | | X | X | X | X | X | X | | -19 |
| SB-07-9.25 | SS | G | | | 7/31/2025 | 0950 | 4 | | | X | X | X | X | X | X | | -20 |

Lab Use Only: Proj. Mgr: | AcctNum / Client ID: | Table #: | Profile / Template: | Prelog / Bottle Ord. ID:

Preservation non-conformance identified for sample.

Additional Instructions from Pace® :

Collected By: Printed Name Jon Laurance Signature

Customer Remarks / Special Conditions / Possible Hazards:
H=Hold; Metals: Sb, As, Be, Cd, Cr, Cu, Pb, Hg, Ni, Se, Ag, Tl, Zn, Mn

| # Coolers: | Thermometer ID: | Correction Factor (°C): | Obs. Temp. (°C): | Corrected Temp. (°C): | [ ] On Ice |
|---|---|---|---|---|---|
| | | | | | |

| Relinquished by/Company: (Signature) | Date/Time: | Received by/Company: (Signature) | Date/Time: | Tracking Number: |
|---|---|---|---|---|
| | 8/1/2025 1145 | To FedEx | 8/1/25 1145 | |
| Relinquished by/Company: (Signature) | Date/Time: | Received by/Company: (Signature) | Date/Time: | Delivered by: [ ] In-Person [ ] Courier [ ] FedEX [ ] UPS [ ] Other |
| | | | 8/2/25 8:30 | |
| Relinquished by/Company: (Signature) | Date/Time: | Received by/Company: (Signature) | Date/Time: | |
| Relinquished by/Company: (Signature) | Date/Time: | Received by/Company: (Signature) | Date/Time: | Page: 2 of 3 |

Pace® Location Requested (City/State): **Pace Analytical National Mount Juliet, TN**

# CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY- Affix Workorder/Login Label Here

Scan QR Code for instructions

L1684546

| | |
|---|---|
| Company Name: Geosyntec Consultants | Contact/Report To: Joey Hickey |
| Street Address: 920 SW Sixth Avenue Suite 600 Portland, Oregon 97204 | Phone #: 503-222-9518 |
| | E-Mail: jhickey@geosyntec.com |
| | Cc E-Mail: jlaurance@geosyntec.com |
| Customer Project #: NWSW0030 | Invoice to: Submit to Coupa |
| Project Name: North Star Casteel | Invoice E-mail: |
| Site Collection Info/Facility ID (as applicable): Vancouver, WA | Purchase Order # (if applicable): WO-NWSW0030-11591 |
| | Quote #: |
| Time Zone Collected: [ ] AK [X] PT [ ] MT [ ] CT [ ] ET | County / State origin of sample(s): Clark Co. Washington |
| Data Deliverables: [ ] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other | Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No |
| | Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day Other Standard TAT |
| | Date Results Requested: |
| | DW PWSID # or WW Permit # as applicable: |
| | Field Filtered (if applicable): [ ] Yes [ ] No |
| | Analysis: |

Specify Container Size **

| 40mL | 4oz | 40mL | 4oz | 4oz | 2oz | -- | | | |
|---|---|---|---|---|---|---|---|---|---|
| MeOH | None | MeOH | None | None | None | -- | | | |

Identify Container Preservative Type***

Analysis Requested

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

| Customer Sample ID | Matrix * | Comp / Grab | Composite Start Date | Composite Start Time | Collected or Composite End Date | Collected or Composite End Time | # Cont. | Residual Chlorine Result | Residual Chlorine Units | NWTPH-Gx | NWTPH-Dx (diesel and oil range) | VOCs (EPA 8260) | PAHs (EPA 8270) | PCBs (EPA 8082A) | Metals (See Note, Priority Pollutant 13 metals + Mn) | Hold All | | | | Sample Comment | Preservation non-conformance identified for sample. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SB-08-3.75 | SS | G | | | 7/31/2025 | 0843 | 4 | | | | | | | | | H | | | | -21 | |
| SB-08-9.25 | SS | G | | | 7/31/2025 | 1858 | 4 | | | X | X | X | X | X | X | | | | | -22 | |
| SB-08-14.25 | SS | G | | | 7/31/2025 | 0904 | 4 | | | X | X | X | X | X | X | | | | | -23 | |
| SB-08-19.25 | SS | G | | | 7/31/2025 | 0910 | 4 | | | H | H | H | H | H | X | | | | | -24 | |
| TRIP BLANK 1 | SS | G | | | 7/31/2025 | 1550 | 1 | | | | | | | | | H | | | | -25 | |
| TRIP BLANK 2 | SS | G | | | 7/31/2025 | 1551 | 1 | | | | | | | | | H | | | | -26 | |
| | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |

Lab Use Only: Proj. Mgr: / AcctNum / Client ID: / Table #: / Profile / Template: / Prelog / Bottle Ord. ID:

Additional Instructions from Pace®:

Collected By: Printed Name Jon Laurance Signature

Customer Remarks / Special Conditions / Possible Hazards:
H=Hold; Metals: Sb, As, Be, Cd, Cr, Cu, Pb, Hg, Ni, Se, Ag, Tl, Zn, Mn

# Coolers: | Thermometer ID: | Correction Factor (°C): | Obs. Temp. (°C): | Corrected Temp. (°C): | [ ] On Ice

| Relinquished by/Company: (Signature) | Date/Time: | Received by/Company: (Signature) | Date/Time: |
|---|---|---|---|
| Jon Laurance | 8/1/2025 1145 | To FedEx | 8/1/25 1145 |
| Relinquished by/Company: (Signature) | Date/Time: | Received by/Company: (Signature) Sabrina | Date/Time: 8/2/25 8:30 |
| Relinquished by/Company: (Signature) | Date/Time: | Received by/Company: (Signature) | Date/Time: |
| Relinquished by/Company: (Signature) | Date/Time: | Received by/Company: (Signature) | Date/Time: |

Tracking Number:

Delivered by: [ ] In-Person [ ] Courier [ ] FedEX [ ] UPS [ ] Other

**Multiple Parcel Form** L# L1884546

| Parcel Tracking Number | Infrared Thermometer ID | Temperature Reading (°C) | Correction Factor (°C) | Corrected Temperature (°C) | Custody Seal Intact |
|---|---|---|---|---|---|
| 4580 6320 6976 | TLA9 | 3.5 | -0.1 | 3.4 | Yes / No / Not Present |
| 4580 6320 6965 | TLA9 | 1.1 | -0.1 | 1.0 | Yes / No / Not Present |
| | | | | | Yes / No / Not Present |
| | | | | | Yes / No / Not Present |
| | | | | | Yes / No / Not Present |
| | | | | | Yes / No / Not Present |
| | | | | | Yes / No / Not Present |
| | | | | | Yes / No / Not Present |
| | | | | | Yes / No / Not Present |
| | | | | | Yes / No / Not Present |
| | | | | | Yes / No / Not Present |
| | | | | | Yes / No / Not Present |
| | | | | | Yes / No / Not Present |
| | | | | | Yes / No / Not Present |
| | | | | | Yes / No / Not Present |
| | | | | | Yes / No / Not Present |
| | | | | | Yes / No / Not Present |
| | | | | | Yes / No / Not Present |
| | | | | | Yes / No / Not Present |
| | | | | | Yes / No / Not Present |

Sabryn
Name

8/2/25
Date

# ANALYTICAL REPORT

August 20, 2025



## GeoSyntec, Inc. - OR

| | |
|---|---|
| Sample Delivery Group: | L1884546 |
| Samples Received: | 08/02/2025 |
| Project Number: | NWSW0030 |
| Description: | North Star Casteel |
| Site: | VANCOUVER, WA |
| Report To: | Joey Hickey<br>920 SW Sixth Avenue<br>Suite 600<br>Portland, OR 97204 |

Entire Report Reviewed By:

Kelly Mercer
Project Manager



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

# TABLE OF CONTENTS

## SB-01-8.75 L1884546-02

Collected by: Jon Laurance | Collected date/time: 07/31/25 14:47 | Received date/time: 08/02/25 08:30

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Total Solids by Method 2540 G-2011 | WG2575498 | 1 | 08/08/25 15:19 | 08/08/25 15:29 | KDW | Mt. Juliet, TN |
| Mercury by Method 7471B | WG2575778 | 1 | 08/10/25 15:04 | 08/11/25 12:01 | NDL | Mt. Juliet, TN |
| Metals (ICPMS) by Method 6020B | WG2576187 | 25 | 08/09/25 12:53 | 08/19/25 14:35 | JPD | Mt. Juliet, TN |
| Metals (ICPMS) by Method 6020B | WG2576187 | 5 | 08/09/25 12:53 | 08/18/25 23:37 | JPD | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method NWTPHGX | WG2573564 | 25 | 07/31/25 14:47 | 08/06/25 03:22 | ACG | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260D | WG2573420 | 1 | 07/31/25 14:47 | 08/07/25 09:27 | DWR | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT | WG2576645 | 1 | 08/10/25 11:53 | 08/10/25 17:50 | JAS | Mt. Juliet, TN |
| Polychlorinated Biphenyls (GC) by Method 8082 A | WG2575749 | 1 | 08/08/25 16:28 | 08/09/25 03:10 | HCS | Mt. Juliet, TN |
| Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM | WG2575957 | 1 | 08/09/25 11:55 | 08/13/25 12:04 | DMG | Mt. Juliet, TN |

## SB-01-13.25 L1884546-03

Collected by: Jon Laurance | Collected date/time: 07/31/25 15:00 | Received date/time: 08/02/25 08:30

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Total Solids by Method 2540 G-2011 | WG2575499 | 1 | 08/08/25 15:06 | 08/08/25 15:17 | KDW | Mt. Juliet, TN |
| Mercury by Method 7471B | WG2575778 | 1 | 08/10/25 15:04 | 08/11/25 12:09 | NDL | Mt. Juliet, TN |
| Metals (ICPMS) by Method 6020B | WG2576187 | 25 | 08/09/25 12:53 | 08/19/25 14:38 | JPD | Mt. Juliet, TN |
| Metals (ICPMS) by Method 6020B | WG2576187 | 5 | 08/09/25 12:53 | 08/18/25 23:40 | JPD | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method NWTPHGX | WG2573564 | 25 | 07/31/25 15:00 | 08/06/25 03:44 | ACG | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260D | WG2573420 | 1 | 07/31/25 15:00 | 08/07/25 09:46 | DWR | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT | WG2576645 | 1 | 08/10/25 11:53 | 08/10/25 17:37 | JAS | Mt. Juliet, TN |
| Polychlorinated Biphenyls (GC) by Method 8082 A | WG2576643 | 1 | 08/10/25 08:32 | 08/10/25 16:26 | HCS | Mt. Juliet, TN |
| Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM | WG2575957 | 1 | 08/09/25 11:55 | 08/13/25 12:22 | DMG | Mt. Juliet, TN |

## SB-02-9.75 L1884546-06

Collected by: Jon Laurance | Collected date/time: 07/31/25 13:27 | Received date/time: 08/02/25 08:30

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Total Solids by Method 2540 G-2011 | WG2575499 | 1 | 08/08/25 15:06 | 08/08/25 15:17 | KDW | Mt. Juliet, TN |
| Mercury by Method 7471B | WG2575778 | 1 | 08/10/25 15:04 | 08/11/25 12:11 | NDL | Mt. Juliet, TN |
| Metals (ICPMS) by Method 6020B | WG2576187 | 25 | 08/09/25 12:53 | 08/19/25 14:41 | JPD | Mt. Juliet, TN |
| Metals (ICPMS) by Method 6020B | WG2576187 | 5 | 08/09/25 12:53 | 08/18/25 23:43 | JPD | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method NWTPHGX | WG2573564 | 26.8 | 07/31/25 13:27 | 08/06/25 04:07 | ACG | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260D | WG2573870 | 1.07 | 07/31/25 13:27 | 08/06/25 11:55 | JAH | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT | WG2576645 | 1 | 08/10/25 11:53 | 08/10/25 17:37 | JAS | Mt. Juliet, TN |
| Polychlorinated Biphenyls (GC) by Method 8082 A | WG2576643 | 1 | 08/10/25 08:32 | 08/10/25 16:36 | HCS | Mt. Juliet, TN |
| Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM | WG2575957 | 1 | 08/09/25 11:55 | 08/13/25 12:39 | DMG | Mt. Juliet, TN |

## SB-02-14.75 L1884546-07

Collected by: Jon Laurance | Collected date/time: 07/31/25 13:40 | Received date/time: 08/02/25 08:30

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Total Solids by Method 2540 G-2011 | WG2575499 | 1 | 08/08/25 15:06 | 08/08/25 15:17 | KDW | Mt. Juliet, TN |
| Mercury by Method 7471B | WG2575778 | 1 | 08/10/25 15:04 | 08/11/25 12:14 | NDL | Mt. Juliet, TN |
| Metals (ICPMS) by Method 6020B | WG2576187 | 25 | 08/09/25 12:53 | 08/19/25 14:45 | JPD | Mt. Juliet, TN |
| Metals (ICPMS) by Method 6020B | WG2576187 | 5 | 08/09/25 12:53 | 08/19/25 00:05 | JPD | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method NWTPHGX | WG2573564 | 26.8 | 07/31/25 13:40 | 08/06/25 04:29 | ACG | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260D | WG2573870 | 1.07 | 07/31/25 13:40 | 08/06/25 12:14 | JAH | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT | WG2576645 | 1 | 08/10/25 11:53 | 08/10/25 17:25 | JAS | Mt. Juliet, TN |
| Polychlorinated Biphenyls (GC) by Method 8082 A | WG2576643 | 1 | 08/10/25 08:32 | 08/10/25 16:45 | HCS | Mt. Juliet, TN |
| Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM | WG2575957 | 1 | 08/09/25 11:55 | 08/13/25 12:56 | DMG | Mt. Juliet, TN |

## SB-02-19.75 L1884546-08

Collected by: Jon Laurance | Collected date/time: 07/31/25 13:48 | Received date/time: 08/02/25 08:30

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Total Solids by Method 2540 G-2011 | WG2575499 | 1 | 08/08/25 15:06 | 08/08/25 15:17 | KDW | Mt. Juliet, TN |
| Mercury by Method 7471B | WG2575778 | 1 | 08/10/25 15:04 | 08/11/25 12:17 | NDL | Mt. Juliet, TN |
| Metals (ICPMS) by Method 6020B | WG2576187 | 25 | 08/09/25 12:53 | 08/19/25 14:32 | JPD | Mt. Juliet, TN |
| Metals (ICPMS) by Method 6020B | WG2576187 | 5 | 08/09/25 12:53 | 08/18/25 23:21 | JPD | Mt. Juliet, TN |

## SB-03-8.75 L1884546-10

Collected by: Jon Laurance | Collected date/time: 07/31/25 12:37 | Received date/time: 08/02/25 08:30

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Total Solids by Method 2540 G-2011 | WG2575499 | 1 | 08/08/25 15:06 | 08/08/25 15:17 | KDW | Mt. Juliet, TN |
| Mercury by Method 7471B | WG2575778 | 1 | 08/10/25 15:04 | 08/11/25 12:19 | NDL | Mt. Juliet, TN |
| Metals (ICPMS) by Method 6020B | WG2576187 | 25 | 08/09/25 12:53 | 08/19/25 14:48 | JPD | Mt. Juliet, TN |
| Metals (ICPMS) by Method 6020B | WG2576187 | 5 | 08/09/25 12:53 | 08/19/25 00:12 | JPD | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method NWTPHGX | WG2573564 | 25 | 07/31/25 12:37 | 08/06/25 04:52 | ACG | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260D | WG2573870 | 1 | 07/31/25 12:37 | 08/06/25 12:33 | JAH | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT | WG2576645 | 1 | 08/10/25 11:53 | 08/10/25 17:25 | JAS | Mt. Juliet, TN |
| Polychlorinated Biphenyls (GC) by Method 8082 A | WG2576643 | 1 | 08/10/25 08:32 | 08/10/25 16:55 | HCS | Mt. Juliet, TN |
| Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM | WG2575957 | 1 | 08/09/25 11:55 | 08/13/25 13:14 | DMG | Mt. Juliet, TN |

## SB-03-14.75 L1884546-11

Collected by: Jon Laurance | Collected date/time: 07/31/25 12:43 | Received date/time: 08/02/25 08:30

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Total Solids by Method 2540 G-2011 | WG2575499 | 1 | 08/08/25 15:06 | 08/08/25 15:17 | KDW | Mt. Juliet, TN |
| Mercury by Method 7471B | WG2575778 | 1 | 08/10/25 15:04 | 08/11/25 12:22 | NDL | Mt. Juliet, TN |
| Metals (ICPMS) by Method 6020B | WG2576187 | 25 | 08/09/25 12:53 | 08/19/25 14:51 | JPD | Mt. Juliet, TN |
| Metals (ICPMS) by Method 6020B | WG2576187 | 5 | 08/09/25 12:53 | 08/19/25 00:15 | JPD | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method NWTPHGX | WG2573564 | 28 | 07/31/25 12:43 | 08/06/25 05:14 | ACG | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260D | WG2573870 | 1.12 | 07/31/25 12:43 | 08/06/25 12:51 | JAH | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT | WG2576655 | 1 | 08/11/25 07:59 | 08/11/25 12:24 | KDB | Mt. Juliet, TN |
| Polychlorinated Biphenyls (GC) by Method 8082 A | WG2576643 | 1 | 08/10/25 08:32 | 08/10/25 17:04 | HCS | Mt. Juliet, TN |
| Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM | WG2575957 | 1 | 08/09/25 11:55 | 08/13/25 13:31 | DMG | Mt. Juliet, TN |

## SB-03-19.75 L1884546-12

Collected by: Jon Laurance | Collected date/time: 07/31/25 12:49 | Received date/time: 08/02/25 08:30

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Total Solids by Method 2540 G-2011 | WG2575499 | 1 | 08/08/25 15:06 | 08/08/25 15:17 | KDW | Mt. Juliet, TN |
| Mercury by Method 7471B | WG2575778 | 1 | 08/10/25 15:04 | 08/11/25 12:25 | NDL | Mt. Juliet, TN |
| Metals (ICPMS) by Method 6020B | WG2576187 | 25 | 08/09/25 12:53 | 08/19/25 14:54 | JPD | Mt. Juliet, TN |
| Metals (ICPMS) by Method 6020B | WG2576187 | 5 | 08/09/25 12:53 | 08/19/25 00:19 | JPD | Mt. Juliet, TN |

## SB-04-2.25 L1884546-13

Collected by: Jon Laurance | Collected date/time: 07/31/25 10:59 | Received date/time: 08/02/25 08:30

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Total Solids by Method 2540 G-2011 | WG2575499 | 1 | 08/08/25 15:06 | 08/08/25 15:17 | KDW | Mt. Juliet, TN |
| Mercury by Method 7471B | WG2575778 | 1 | 08/10/25 15:04 | 08/11/25 12:27 | NDL | Mt. Juliet, TN |
| Metals (ICPMS) by Method 6020B | WG2576187 | 200 | 08/09/25 12:53 | 08/19/25 15:01 | JPD | Mt. Juliet, TN |
| Metals (ICPMS) by Method 6020B | WG2576187 | 25 | 08/09/25 12:53 | 08/19/25 14:57 | JPD | Mt. Juliet, TN |
| Metals (ICPMS) by Method 6020B | WG2576187 | 5 | 08/09/25 12:53 | 08/19/25 00:22 | JPD | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method NWTPHGX | WG2573564 | 25 | 07/31/25 10:59 | 08/06/25 05:37 | ACG | Mt. Juliet, TN |

## SB-04-2.25 L1884546-13

Collected by: Jon Laurance | Collected date/time: 07/31/25 10:59 | Received date/time: 08/02/25 08:30

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Volatile Organic Compounds (GC/MS) by Method 8260D | WG2573870 | 1 | 07/31/25 10:59 | 08/06/25 13:10 | JAH | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT | WG2576655 | 200 | 08/11/25 07:59 | 08/11/25 19:16 | KDB | Mt. Juliet, TN |
| Polychlorinated Biphenyls (GC) by Method 8082 A | WG2576643 | 1 | 08/10/25 08:32 | 08/10/25 17:14 | HCS | Mt. Juliet, TN |
| Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM | WG2575960 | 1 | 08/09/25 11:45 | 08/12/25 04:58 | DMG | Mt. Juliet, TN |

## SB-04-7.75 L1884546-14

Collected by: Jon Laurance | Collected date/time: 07/31/25 11:05 | Received date/time: 08/02/25 08:30

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Total Solids by Method 2540 G-2011 | WG2575499 | 1 | 08/08/25 15:06 | 08/08/25 15:17 | KDW | Mt. Juliet, TN |
| Mercury by Method 7471B | WG2575778 | 1 | 08/10/25 15:04 | 08/11/25 12:30 | NDL | Mt. Juliet, TN |
| Metals (ICPMS) by Method 6020B | WG2576187 | 25 | 08/09/25 12:53 | 08/19/25 15:16 | JPD | Mt. Juliet, TN |
| Metals (ICPMS) by Method 6020B | WG2576187 | 5 | 08/09/25 12:53 | 08/19/25 00:25 | JPD | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method NWTPHGX | WG2573564 | 27.3 | 07/31/25 11:05 | 08/06/25 05:59 | ACG | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260D | WG2573870 | 1.09 | 07/31/25 11:05 | 08/06/25 13:29 | JAH | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT | WG2576655 | 1 | 08/11/25 07:59 | 08/11/25 12:38 | KDB | Mt. Juliet, TN |
| Polychlorinated Biphenyls (GC) by Method 8082 A | WG2576643 | 1 | 08/10/25 08:32 | 08/10/25 17:23 | HCS | Mt. Juliet, TN |
| Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM | WG2575960 | 1 | 08/09/25 11:45 | 08/11/25 10:18 | CMF | Mt. Juliet, TN |

## SB-05-2.75 L1884546-15

Collected by: Jon Laurance | Collected date/time: 07/31/25 11:38 | Received date/time: 08/02/25 08:30

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Total Solids by Method 2540 G-2011 | WG2575499 | 1 | 08/08/25 15:06 | 08/08/25 15:17 | KDW | Mt. Juliet, TN |
| Mercury by Method 7471B | WG2576401 | 1 | 08/10/25 13:30 | 08/10/25 21:07 | NDL | Mt. Juliet, TN |
| Metals (ICPMS) by Method 6020B | WG2576187 | 25 | 08/09/25 12:53 | 08/19/25 15:19 | JPD | Mt. Juliet, TN |
| Metals (ICPMS) by Method 6020B | WG2576187 | 5 | 08/09/25 12:53 | 08/19/25 00:28 | JPD | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method NWTPHGX | WG2573564 | 28.5 | 07/31/25 11:38 | 08/06/25 06:21 | ACG | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260D | WG2573870 | 1.14 | 07/31/25 11:38 | 08/06/25 13:48 | JAH | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT | WG2576655 | 10 | 08/11/25 07:59 | 08/11/25 21:09 | SGB | Mt. Juliet, TN |
| Polychlorinated Biphenyls (GC) by Method 8082 A | WG2576643 | 1 | 08/10/25 08:32 | 08/10/25 17:33 | HCS | Mt. Juliet, TN |
| Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM | WG2575960 | 1 | 08/09/25 11:45 | 08/12/25 04:40 | DMG | Mt. Juliet, TN |

## SB-05-9.25 L1884546-16

Collected by: Jon Laurance | Collected date/time: 07/31/25 11:48 | Received date/time: 08/02/25 08:30

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Total Solids by Method 2540 G-2011 | WG2575500 | 1 | 08/08/25 14:53 | 08/08/25 15:04 | KDW | Mt. Juliet, TN |
| Mercury by Method 7471B | WG2576401 | 1 | 08/10/25 13:30 | 08/10/25 21:10 | NDL | Mt. Juliet, TN |
| Metals (ICPMS) by Method 6020B | WG2576187 | 25 | 08/09/25 12:53 | 08/19/25 15:22 | JPD | Mt. Juliet, TN |
| Metals (ICPMS) by Method 6020B | WG2576187 | 5 | 08/09/25 12:53 | 08/19/25 00:32 | JPD | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method NWTPHGX | WG2573751 | 27.8 | 07/31/25 11:48 | 08/06/25 10:50 | JHH | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260D | WG2573870 | 1.06 | 07/31/25 11:48 | 08/06/25 14:06 | JAH | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT | WG2576655 | 1 | 08/11/25 07:59 | 08/11/25 12:53 | KDB | Mt. Juliet, TN |
| Polychlorinated Biphenyls (GC) by Method 8082 A | WG2576643 | 1 | 08/10/25 08:32 | 08/10/25 18:02 | HCS | Mt. Juliet, TN |
| Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM | WG2575960 | 1 | 08/09/25 11:45 | 08/11/25 10:38 | CMF | Mt. Juliet, TN |

## SB-06-2.25 L1884546-17

Collected by: Jon Laurance | Collected date/time: 07/31/25 10:22 | Received date/time: 08/02/25 08:30

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Total Solids by Method 2540 G-2011 | WG2575500 | 1 | 08/08/25 14:53 | 08/08/25 15:04 | KDW | Mt. Juliet, TN |
| Mercury by Method 7471B | WG2576401 | 1 | 08/10/25 13:30 | 08/10/25 21:12 | NDL | Mt. Juliet, TN |
| Metals (ICPMS) by Method 6020B | WG2576187 | 25 | 08/09/25 12:53 | 08/19/25 15:25 | JPD | Mt. Juliet, TN |
| Metals (ICPMS) by Method 6020B | WG2576187 | 5 | 08/09/25 12:53 | 08/19/25 00:35 | JPD | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method NWTPHGX | WG2573751 | 26.3 | 07/31/25 10:22 | 08/06/25 11:10 | JHH | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260D | WG2573870 | 1 | 07/31/25 10:22 | 08/06/25 14:25 | JAH | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT | WG2576687 | 20 | 08/10/25 16:28 | 08/11/25 14:08 | MAA | Mt. Juliet, TN |
| Polychlorinated Biphenyls (GC) by Method 8082 A | WG2576643 | 1 | 08/10/25 08:32 | 08/10/25 18:11 | HCS | Mt. Juliet, TN |
| Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM | WG2575960 | 1 | 08/09/25 11:45 | 08/11/25 10:57 | CMF | Mt. Juliet, TN |

## SB-06-8.25 L1884546-18

Collected by: Jon Laurance | Collected date/time: 07/31/25 10:30 | Received date/time: 08/02/25 08:30

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Total Solids by Method 2540 G-2011 | WG2575500 | 1 | 08/08/25 14:53 | 08/08/25 15:04 | KDW | Mt. Juliet, TN |
| Mercury by Method 7471B | WG2576401 | 1 | 08/10/25 13:30 | 08/10/25 21:23 | NDL | Mt. Juliet, TN |
| Metals (ICPMS) by Method 6020B | WG2576187 | 25 | 08/09/25 12:53 | 08/19/25 15:32 | JPD | Mt. Juliet, TN |
| Metals (ICPMS) by Method 6020B | WG2576187 | 5 | 08/09/25 12:53 | 08/19/25 15:29 | JPD | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method NWTPHGX | WG2573751 | 26.5 | 07/31/25 10:30 | 08/06/25 11:29 | JHH | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260D | WG2573870 | 1.12 | 07/31/25 10:30 | 08/06/25 14:44 | JAH | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT | WG2576687 | 1 | 08/10/25 16:28 | 08/11/25 12:45 | MAA | Mt. Juliet, TN |
| Polychlorinated Biphenyls (GC) by Method 8082 A | WG2576643 | 1 | 08/10/25 08:32 | 08/10/25 18:21 | HCS | Mt. Juliet, TN |
| Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM | WG2575960 | 1 | 08/09/25 11:45 | 08/11/25 11:17 | CMF | Mt. Juliet, TN |

## SB-07-2.75 L1884546-19

Collected by: Jon Laurance | Collected date/time: 07/31/25 09:43 | Received date/time: 08/02/25 08:30

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Total Solids by Method 2540 G-2011 | WG2575500 | 1 | 08/08/25 14:53 | 08/08/25 15:04 | KDW | Mt. Juliet, TN |
| Mercury by Method 7471B | WG2576401 | 1 | 08/10/25 13:30 | 08/10/25 21:26 | NDL | Mt. Juliet, TN |
| Metals (ICPMS) by Method 6020B | WG2576187 | 25 | 08/09/25 12:53 | 08/19/25 15:38 | JPD | Mt. Juliet, TN |
| Metals (ICPMS) by Method 6020B | WG2576187 | 5 | 08/09/25 12:53 | 08/19/25 15:35 | JPD | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method NWTPHGX | WG2573751 | 25 | 07/31/25 09:43 | 08/06/25 11:49 | JHH | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260D | WG2573870 | 1 | 07/31/25 09:43 | 08/06/25 15:03 | JAH | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT | WG2576687 | 1 | 08/10/25 16:28 | 08/11/25 13:13 | MAA | Mt. Juliet, TN |
| Polychlorinated Biphenyls (GC) by Method 8082 A | WG2576643 | 1 | 08/10/25 08:32 | 08/10/25 18:30 | HCS | Mt. Juliet, TN |
| Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM | WG2575960 | 1 | 08/09/25 11:45 | 08/11/25 12:15 | CMF | Mt. Juliet, TN |

## SB-07-9.25 L1884546-20

Collected by: Jon Laurance | Collected date/time: 07/31/25 09:50 | Received date/time: 08/02/25 08:30

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Total Solids by Method 2540 G-2011 | WG2575500 | 1 | 08/08/25 14:53 | 08/08/25 15:04 | KDW | Mt. Juliet, TN |
| Mercury by Method 7471B | WG2576401 | 1 | 08/10/25 13:30 | 08/10/25 21:28 | NDL | Mt. Juliet, TN |
| Metals (ICPMS) by Method 6020B | WG2576187 | 25 | 08/09/25 12:53 | 08/19/25 16:01 | JPD | Mt. Juliet, TN |
| Metals (ICPMS) by Method 6020B | WG2576187 | 5 | 08/09/25 12:53 | 08/19/25 15:41 | JPD | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method NWTPHGX | WG2573751 | 27 | 07/31/25 09:50 | 08/06/25 12:08 | JHH | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260D | WG2573870 | 1.07 | 07/31/25 09:50 | 08/06/25 15:21 | JAH | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT | WG2576687 | 1 | 08/10/25 16:28 | 08/11/25 12:58 | MAA | Mt. Juliet, TN |
| Polychlorinated Biphenyls (GC) by Method 8082 A | WG2576643 | 1 | 08/10/25 08:32 | 08/10/25 18:40 | HCS | Mt. Juliet, TN |
| Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM | WG2575960 | 1 | 08/09/25 11:45 | 08/11/25 12:35 | CMF | Mt. Juliet, TN |

## SB-08-9.25 L1884546-22

Collected by: Jon Laurance | Collected date/time: 07/31/25 18:58 | Received date/time: 08/02/25 08:30

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Total Solids by Method 2540 G-2011 | WG2575500 | 1 | 08/08/25 14:53 | 08/08/25 15:04 | KDW | Mt. Juliet, TN |
| Mercury by Method 7471B | WG2576401 | 1 | 08/10/25 13:30 | 08/10/25 21:31 | NDL | Mt. Juliet, TN |
| Metals (ICPMS) by Method 6020B | WG2576187 | 25 | 08/09/25 12:53 | 08/19/25 16:07 | JPD | Mt. Juliet, TN |
| Metals (ICPMS) by Method 6020B | WG2576187 | 5 | 08/09/25 12:53 | 08/19/25 16:04 | JPD | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method NWTPHGX | WG2573751 | 25 | 07/31/25 18:58 | 08/06/25 12:28 | JHH | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260D | WG2573870 | 1.04 | 07/31/25 18:58 | 08/06/25 15:40 | JAH | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT | WG2576687 | 1 | 08/10/25 16:28 | 08/11/25 12:17 | MAA | Mt. Juliet, TN |
| Polychlorinated Biphenyls (GC) by Method 8082 A | WG2576643 | 1 | 08/10/25 08:32 | 08/10/25 18:50 | HCS | Mt. Juliet, TN |
| Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM | WG2575960 | 1 | 08/09/25 11:45 | 08/11/25 12:54 | CMF | Mt. Juliet, TN |

## SB-08-14.25 L1884546-23

Collected by: Jon Laurance | Collected date/time: 07/31/25 09:04 | Received date/time: 08/02/25 08:30

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Total Solids by Method 2540 G-2011 | WG2575500 | 1 | 08/08/25 14:53 | 08/08/25 15:04 | KDW | Mt. Juliet, TN |
| Mercury by Method 7471B | WG2576401 | 1 | 08/10/25 13:30 | 08/10/25 21:34 | NDL | Mt. Juliet, TN |
| Metals (ICPMS) by Method 6020B | WG2576187 | 25 | 08/09/25 12:53 | 08/19/25 16:13 | JPD | Mt. Juliet, TN |
| Metals (ICPMS) by Method 6020B | WG2576187 | 5 | 08/09/25 12:53 | 08/19/25 16:10 | JPD | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method NWTPHGX | WG2573751 | 26.8 | 07/31/25 09:04 | 08/06/25 12:47 | JHH | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260D | WG2573870 | 1.04 | 07/31/25 09:04 | 08/06/25 15:59 | JAH | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT | WG2576687 | 1 | 08/10/25 16:28 | 08/11/25 12:31 | MAA | Mt. Juliet, TN |
| Polychlorinated Biphenyls (GC) by Method 8082 A | WG2576643 | 1 | 08/10/25 08:32 | 08/10/25 18:59 | HCS | Mt. Juliet, TN |
| Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM | WG2575960 | 1 | 08/09/25 11:45 | 08/12/25 04:01 | CMF | Mt. Juliet, TN |

## SB-08-19.25 L1884546-24

Collected by: Jon Laurance | Collected date/time: 07/31/25 09:10 | Received date/time: 08/02/25 08:30

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Total Solids by Method 2540 G-2011 | WG2576245 | 1 | 08/09/25 10:14 | 08/09/25 10:23 | KDW | Mt. Juliet, TN |
| Mercury by Method 7471B | WG2576397 | 1 | 08/10/25 15:11 | 08/11/25 13:21 | NDL | Mt. Juliet, TN |
| Metals (ICPMS) by Method 6020B | WG2576540 | 10 | 08/11/25 08:18 | 08/18/25 18:40 | LD | Mt. Juliet, TN |
| Metals (ICPMS) by Method 6020B | WG2576540 | 100 | 08/11/25 08:18 | 08/18/25 18:43 | LD | Mt. Juliet, TN |
| Metals (ICPMS) by Method 6020B | WG2576540 | 5 | 08/11/25 08:18 | 08/18/25 18:01 | LD | Mt. Juliet, TN |

## TRIP BLANK 1 L1884546-25

Collected by: Jon Laurance | Collected date/time: 07/31/25 15:50 | Received date/time: 08/02/25 08:30

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Volatile Organic Compounds (GC/MS) by Method 8260D | WG2573021 | 1 | 08/05/25 10:51 | 08/05/25 10:51 | DYW | Mt. Juliet, TN |

## TRIP BLANK 2 L1884546-26

Collected by: Jon Laurance | Collected date/time: 07/31/25 15:51 | Received date/time: 08/02/25 08:30

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Volatile Organic Compounds (GC/MS) by Method 8260D | WG2573097 | 1 | 08/05/25 12:38 | 08/05/25 12:38 | DYW | Mt. Juliet, TN |

# CASE NARRATIVE

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

Kelly Mercer
Project Manager

## Total Solids by Method 2540 G-2011

| Analyte | Result | Qualifier | Dilution | Analysis | Batch |
|---|---|---|---|---|---|
| | % | | | date / time | |
| Total Solids | 84.0 | | 1 | 08/08/2025 15:29 | WG2575498 |

## Mercury by Method 7471B

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/kg | | mg/kg | mg/kg | | date / time | |
| Mercury | U | | 0.0245 | 0.0476 | 1 | 08/11/2025 12:01 | WG2575778 |

## Metals (ICPMS) by Method 6020B

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/kg | | mg/kg | mg/kg | | date / time | |
| Antimony | U | | 0.198 | 3.57 | 5 | 08/18/2025 23:37 | WG2576187 |
| Arsenic | 3.61 | | 0.119 | 1.19 | 5 | 08/18/2025 23:37 | WG2576187 |
| Beryllium | 0.839 | J | 0.164 | 2.98 | 5 | 08/18/2025 23:37 | WG2576187 |
| Cadmium | 0.199 | J | 0.102 | 1.19 | 5 | 08/18/2025 23:37 | WG2576187 |
| Chromium | 24.7 | | 0.352 | 5.95 | 5 | 08/18/2025 23:37 | WG2576187 |
| Copper | 30.0 | | 0.157 | 5.95 | 5 | 08/18/2025 23:37 | WG2576187 |
| Lead | 10.1 | | 0.118 | 2.38 | 5 | 08/18/2025 23:37 | WG2576187 |
| Manganese | 604 | | 1.59 | 14.9 | 25 | 08/19/2025 14:35 | WG2576187 |
| Nickel | 20.1 | | 0.234 | 2.98 | 5 | 08/18/2025 23:37 | WG2576187 |
| Selenium | 0.452 | J | 0.214 | 2.98 | 5 | 08/18/2025 23:37 | WG2576187 |
| Silver | U | | 0.103 | 0.595 | 5 | 08/18/2025 23:37 | WG2576187 |
| Titanium | 5050 | | 0.875 | 5.95 | 5 | 08/18/2025 23:37 | WG2576187 |
| Zinc | 93.0 | | 0.881 | 29.8 | 5 | 08/18/2025 23:37 | WG2576187 |

## Volatile Organic Compounds (GC) by Method NWTPHGX

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/kg | | mg/kg | mg/kg | | date / time | |
| Gasoline Range Organics-NWTPH | U | | 1.90 | 3.52 | 25 | 08/06/2025 03:22 | WG2573564 |
| *(S) a,a,a-Trifluorotoluene(FID)* | *104* | | | *77.0-120* | | *08/06/2025 03:22* | WG2573564 |

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

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/kg | | mg/kg | mg/kg | | date / time | |
| Acetone | U | C3 | 0.0982 | 0.141 | 1 | 08/07/2025 09:27 | WG2573420 |
| Acrylonitrile | U | | 0.0113 | 0.0176 | 1 | 08/07/2025 09:27 | WG2573420 |
| Benzene | U | | 0.00100 | 0.00141 | 1 | 08/07/2025 09:27 | WG2573420 |
| Bromobenzene | U | | 0.00550 | 0.0176 | 1 | 08/07/2025 09:27 | WG2573420 |
| Bromodichloromethane | U | | 0.00165 | 0.00352 | 1 | 08/07/2025 09:27 | WG2573420 |
| Bromoform | U | | 0.0140 | 0.0352 | 1 | 08/07/2025 09:27 | WG2573420 |
| Bromomethane | U | | 0.0142 | 0.0176 | 1 | 08/07/2025 09:27 | WG2573420 |
| n-Butylbenzene | U | | 0.00881 | 0.0176 | 1 | 08/07/2025 09:27 | WG2573420 |
| sec-Butylbenzene | U | | 0.00540 | 0.0176 | 1 | 08/07/2025 09:27 | WG2573420 |
| tert-Butylbenzene | U | | 0.00266 | 0.00705 | 1 | 08/07/2025 09:27 | WG2573420 |
| Carbon tetrachloride | U | | 0.00424 | 0.00705 | 1 | 08/07/2025 09:27 | WG2573420 |
| Chlorobenzene | U | | 0.00121 | 0.00352 | 1 | 08/07/2025 09:27 | WG2573420 |
| Chlorodibromomethane | U | | 0.00227 | 0.00352 | 1 | 08/07/2025 09:27 | WG2573420 |
| Chloroethane | U | | 0.00802 | 0.0141 | 1 | 08/07/2025 09:27 | WG2573420 |
| Chloroform | U | | 0.00228 | 0.00352 | 1 | 08/07/2025 09:27 | WG2573420 |
| Chloromethane | U | | 0.0120 | 0.0176 | 1 | 08/07/2025 09:27 | WG2573420 |
| 2-Chlorotoluene | U | | 0.00182 | 0.00352 | 1 | 08/07/2025 09:27 | WG2573420 |
| 4-Chlorotoluene | U | | 0.00217 | 0.00705 | 1 | 08/07/2025 09:27 | WG2573420 |
| 1,2-Dibromo-3-Chloropropane | U | C3 | 0.0151 | 0.0352 | 1 | 08/07/2025 09:27 | WG2573420 |
| 1,2-Dibromoethane | U | | 0.00178 | 0.00352 | 1 | 08/07/2025 09:27 | WG2573420 |
| Dibromomethane | U | | 0.00251 | 0.00705 | 1 | 08/07/2025 09:27 | WG2573420 |

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| 1,2-Dichlorobenzene | U | | 0.00220 | 0.00705 | 1 | 08/07/2025 09:27 | WG2573420 |
| 1,3-Dichlorobenzene | U | | 0.00232 | 0.00705 | 1 | 08/07/2025 09:27 | WG2573420 |
| 1,4-Dichlorobenzene | 0.00435 | J | 0.00247 | 0.00705 | 1 | 08/07/2025 09:27 | WG2573420 |
| Dichlorodifluoromethane | U | | 0.00613 | 0.00705 | 1 | 08/07/2025 09:27 | WG2573420 |
| 1,1-Dichloroethane | U | | 0.00142 | 0.00352 | 1 | 08/07/2025 09:27 | WG2573420 |
| 1,2-Dichloroethane | U | | 0.00206 | 0.00352 | 1 | 08/07/2025 09:27 | WG2573420 |
| 1,1-Dichloroethene | U | | 0.00216 | 0.00352 | 1 | 08/07/2025 09:27 | WG2573420 |
| cis-1,2-Dichloroethene | U | | 0.00182 | 0.00352 | 1 | 08/07/2025 09:27 | WG2573420 |
| trans-1,2-Dichloroethene | U | | 0.00147 | 0.00705 | 1 | 08/07/2025 09:27 | WG2573420 |
| 1,2-Dichloropropane | U | | 0.00271 | 0.00705 | 1 | 08/07/2025 09:27 | WG2573420 |
| 1,1-Dichloropropene | U | | 0.00194 | 0.00705 | 1 | 08/07/2025 09:27 | WG2573420 |
| 1,3-Dichloropropane | U | | 0.00228 | 0.00705 | 1 | 08/07/2025 09:27 | WG2573420 |
| cis-1,3-Dichloropropene | U | | 0.00148 | 0.00352 | 1 | 08/07/2025 09:27 | WG2573420 |
| trans-1,3-Dichloropropene | U | | 0.00148 | 0.00705 | 1 | 08/07/2025 09:27 | WG2573420 |
| 2,2-Dichloropropane | U | | 0.00285 | 0.00352 | 1 | 08/07/2025 09:27 | WG2573420 |
| Di-isopropyl ether | U | | 0.00108 | 0.00141 | 1 | 08/07/2025 09:27 | WG2573420 |
| Ethylbenzene | U | | 0.00139 | 0.00352 | 1 | 08/07/2025 09:27 | WG2573420 |
| Hexachloro-1,3-butadiene | U | C3 | 0.0147 | 0.0352 | 1 | 08/07/2025 09:27 | WG2573420 |
| Isopropylbenzene | U | | 0.00142 | 0.00352 | 1 | 08/07/2025 09:27 | WG2573420 |
| p-Isopropyltoluene | U | | 0.00300 | 0.00705 | 1 | 08/07/2025 09:27 | WG2573420 |
| 2-Butanone (MEK) | U | | 0.125 | 0.141 | 1 | 08/07/2025 09:27 | WG2573420 |
| Methylene Chloride | U | | 0.0155 | 0.0352 | 1 | 08/07/2025 09:27 | WG2573420 |
| 4-Methyl-2-pentanone (MIBK) | U | | 0.0140 | 0.0352 | 1 | 08/07/2025 09:27 | WG2573420 |
| Methyl tert-butyl ether | U | | 0.00109 | 0.00141 | 1 | 08/07/2025 09:27 | WG2573420 |
| Naphthalene | U | C3 | 0.0108 | 0.0176 | 1 | 08/07/2025 09:27 | WG2573420 |
| n-Propylbenzene | U | | 0.00238 | 0.00705 | 1 | 08/07/2025 09:27 | WG2573420 |
| Styrene | U | | 0.00627 | 0.0176 | 1 | 08/07/2025 09:27 | WG2573420 |
| 1,1,1,2-Tetrachloroethane | U | | 0.00183 | 0.00352 | 1 | 08/07/2025 09:27 | WG2573420 |
| 1,1,2,2-Tetrachloroethane | U | | 0.00163 | 0.00352 | 1 | 08/07/2025 09:27 | WG2573420 |
| 1,1,2-Trichlorotrifluoroethane | U | | 0.00396 | 0.00705 | 1 | 08/07/2025 09:27 | WG2573420 |
| Tetrachloroethene | U | | 0.00214 | 0.00352 | 1 | 08/07/2025 09:27 | WG2573420 |
| Toluene | U | | 0.00407 | 0.00705 | 1 | 08/07/2025 09:27 | WG2573420 |
| 1,2,3-Trichlorobenzene | U | | 0.00985 | 0.0176 | 1 | 08/07/2025 09:27 | WG2573420 |
| 1,2,4-Trichlorobenzene | U | C3 | 0.00764 | 0.0176 | 1 | 08/07/2025 09:27 | WG2573420 |
| 1,1,1-Trichloroethane | U | | 0.00204 | 0.00352 | 1 | 08/07/2025 09:27 | WG2573420 |
| 1,1,2-Trichloroethane | U | | 0.00189 | 0.00352 | 1 | 08/07/2025 09:27 | WG2573420 |
| Trichloroethene | U | | 0.00126 | 0.00141 | 1 | 08/07/2025 09:27 | WG2573420 |
| Trichlorofluoromethane | U | | 0.00368 | 0.00564 | 1 | 08/07/2025 09:27 | WG2573420 |
| 1,2,3-Trichloropropane | U | | 0.00862 | 0.0176 | 1 | 08/07/2025 09:27 | WG2573420 |
| 1,2,4-Trimethylbenzene | U | | 0.00335 | 0.00705 | 1 | 08/07/2025 09:27 | WG2573420 |
| 1,2,3-Trimethylbenzene | U | | 0.00256 | 0.00705 | 1 | 08/07/2025 09:27 | WG2573420 |
| 1,3,5-Trimethylbenzene | U | | 0.00321 | 0.00705 | 1 | 08/07/2025 09:27 | WG2573420 |
| Vinyl chloride | U | | 0.00283 | 0.00352 | 1 | 08/07/2025 09:27 | WG2573420 |
| Xylenes, Total | U | | 0.00395 | 0.00916 | 1 | 08/07/2025 09:27 | WG2573420 |
| *(S) Toluene-d8* | *98.1* | | | *75.0-131* | | *08/07/2025 09:27* | WG2573420 |
| *(S) 4-Bromofluorobenzene* | *93.8* | | | *67.0-138* | | *08/07/2025 09:27* | WG2573420 |
| *(S) 1,2-Dichloroethane-d4* | *94.1* | | | *70.0-130* | | *08/07/2025 09:27* | WG2573420 |

## Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Diesel Range Organics (DRO) | U | | 1.58 | 4.76 | 1 | 08/10/2025 17:50 | WG2576645 |
| Residual Range Organics (RRO) | U | | 3.96 | 11.9 | 1 | 08/10/2025 17:50 | WG2576645 |
| *(S) o-Terphenyl* | *64.9* | | | *18.0-148* | | *08/10/2025 17:50* | WG2576645 |

## Polychlorinated Biphenyls (GC) by Method 8082 A

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| PCB 1016 | U | | 0.0121 | 0.0405 | 1 | 08/09/2025 03:10 | WG2575749 |
| PCB 1221 | U | | 0.0127 | 0.0405 | 1 | 08/09/2025 03:10 | WG2575749 |
| PCB 1232 | U | | 0.0217 | 0.0405 | 1 | 08/09/2025 03:10 | WG2575749 |
| PCB 1242 | U | | 0.0120 | 0.0405 | 1 | 08/09/2025 03:10 | WG2575749 |
| PCB 1248 | U | | 0.0148 | 0.0202 | 1 | 08/09/2025 03:10 | WG2575749 |
| PCB 1254 | U | | 0.0124 | 0.0202 | 1 | 08/09/2025 03:10 | WG2575749 |
| PCB 1260 | U | | 0.0131 | 0.0202 | 1 | 08/09/2025 03:10 | WG2575749 |
| *(S) Decachlorobiphenyl* | *58.5* | | | *10.0-135* | | *08/09/2025 03:10* | WG2575749 |
| *(S) Tetrachloro-m-xylene* | *77.1* | | | *10.0-139* | | *08/09/2025 03:10* | WG2575749 |

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Anthracene | U | | 0.00194 | 0.00714 | 1 | 08/13/2025 12:04 | WG2575957 |
| Acenaphthene | U | | 0.00193 | 0.00714 | 1 | 08/13/2025 12:04 | WG2575957 |
| Acenaphthylene | U | | 0.00189 | 0.00714 | 1 | 08/13/2025 12:04 | WG2575957 |
| Benzo(a)anthracene | U | | 0.00238 | 0.00714 | 1 | 08/13/2025 12:04 | WG2575957 |
| Benzo(a)pyrene | U | | 0.00194 | 0.00714 | 1 | 08/13/2025 12:04 | WG2575957 |
| Benzo(b)fluoranthene | U | | 0.00327 | 0.00714 | 1 | 08/13/2025 12:04 | WG2575957 |
| Benzo(g,h,i)perylene | U | | 0.00230 | 0.00714 | 1 | 08/13/2025 12:04 | WG2575957 |
| Benzo(k)fluoranthene | U | | 0.00254 | 0.00714 | 1 | 08/13/2025 12:04 | WG2575957 |
| Chrysene | U | | 0.00245 | 0.00714 | 1 | 08/13/2025 12:04 | WG2575957 |
| Dibenz(a,h)anthracene | U | | 0.00239 | 0.00714 | 1 | 08/13/2025 12:04 | WG2575957 |
| Fluoranthene | U | | 0.00284 | 0.00714 | 1 | 08/13/2025 12:04 | WG2575957 |
| Fluorene | U | | 0.00214 | 0.00714 | 1 | 08/13/2025 12:04 | WG2575957 |
| Indeno(1,2,3-cd)pyrene | U | | 0.00279 | 0.00714 | 1 | 08/13/2025 12:04 | WG2575957 |
| Naphthalene | U | | 0.00689 | 0.0238 | 1 | 08/13/2025 12:04 | WG2575957 |
| Phenanthrene | U | | 0.00363 | 0.00714 | 1 | 08/13/2025 12:04 | WG2575957 |
| Pyrene | U | | 0.00244 | 0.00714 | 1 | 08/13/2025 12:04 | WG2575957 |
| 1-Methylnaphthalene | U | | 0.00261 | 0.0238 | 1 | 08/13/2025 12:04 | WG2575957 |
| 2-Methylnaphthalene | U | | 0.00680 | 0.0238 | 1 | 08/13/2025 12:04 | WG2575957 |
| 2-Chloronaphthalene | U | | 0.00154 | 0.0238 | 1 | 08/13/2025 12:04 | WG2575957 |
| *(S) p-Terphenyl-d14* | *116* | | | *23.0-120* | | *08/13/2025 12:04* | WG2575957 |
| *(S) Nitrobenzene-d5* | *101* | | | *14.0-149* | | *08/13/2025 12:04* | WG2575957 |
| *(S) 2-Fluorobiphenyl* | *111* | | | *34.0-125* | | *08/13/2025 12:04* | WG2575957 |

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

## Total Solids by Method 2540 G-2011

| Analyte | Result | Qualifier | Dilution | Analysis | Batch |
|---|---|---|---|---|---|
| | % | | | date / time | |
| Total Solids | 85.0 | | 1 | 08/08/2025 15:17 | WG2575499 |

## Mercury by Method 7471B

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/kg | | mg/kg | mg/kg | | date / time | |
| Mercury | U | | 0.0242 | 0.0471 | 1 | 08/11/2025 12:09 | WG2575778 |

## Metals (ICPMS) by Method 6020B

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/kg | | mg/kg | mg/kg | | date / time | |
| Antimony | U | | 0.195 | 3.53 | 5 | 08/18/2025 23:40 | WG2576187 |
| Arsenic | 3.89 | | 0.118 | 1.18 | 5 | 08/18/2025 23:40 | WG2576187 |
| Beryllium | 0.664 | J | 0.162 | 2.94 | 5 | 08/18/2025 23:40 | WG2576187 |
| Cadmium | 0.233 | J | 0.101 | 1.18 | 5 | 08/18/2025 23:40 | WG2576187 |
| Chromium | 18.2 | | 0.348 | 5.88 | 5 | 08/18/2025 23:40 | WG2576187 |
| Copper | 29.5 | | 0.155 | 5.88 | 5 | 08/18/2025 23:40 | WG2576187 |
| Lead | 9.74 | | 0.116 | 2.35 | 5 | 08/18/2025 23:40 | WG2576187 |
| Manganese | 586 | | 1.58 | 14.7 | 25 | 08/19/2025 14:38 | WG2576187 |
| Nickel | 16.8 | | 0.232 | 2.94 | 5 | 08/18/2025 23:40 | WG2576187 |
| Selenium | 0.468 | J | 0.212 | 2.94 | 5 | 08/18/2025 23:40 | WG2576187 |
| Silver | U | | 0.102 | 0.588 | 5 | 08/18/2025 23:40 | WG2576187 |
| Titanium | 5120 | | 0.865 | 5.88 | 5 | 08/18/2025 23:40 | WG2576187 |
| Zinc | 93.0 | | 0.871 | 29.4 | 5 | 08/18/2025 23:40 | WG2576187 |

## Volatile Organic Compounds (GC) by Method NWTPHGX

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/kg | | mg/kg | mg/kg | | date / time | |
| Gasoline Range Organics-NWTPH | U | | 1.88 | 3.48 | 25 | 08/06/2025 03:44 | WG2573564 |
| *(S) a,a,a-Trifluorotoluene(FID)* | *105* | | | *77.0-120* | | *08/06/2025 03:44* | WG2573564 |

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

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/kg | | mg/kg | mg/kg | | date / time | |
| Acetone | U | C3 | 0.0970 | 0.139 | 1 | 08/07/2025 09:46 | WG2573420 |
| Acrylonitrile | U | | 0.0112 | 0.0174 | 1 | 08/07/2025 09:46 | WG2573420 |
| Benzene | U | | 0.000990 | 0.00139 | 1 | 08/07/2025 09:46 | WG2573420 |
| Bromobenzene | U | | 0.00543 | 0.0174 | 1 | 08/07/2025 09:46 | WG2573420 |
| Bromodichloromethane | U | | 0.00163 | 0.00348 | 1 | 08/07/2025 09:46 | WG2573420 |
| Bromoform | U | | 0.0138 | 0.0348 | 1 | 08/07/2025 09:46 | WG2573420 |
| Bromomethane | U | | 0.0141 | 0.0174 | 1 | 08/07/2025 09:46 | WG2573420 |
| n-Butylbenzene | U | | 0.00870 | 0.0174 | 1 | 08/07/2025 09:46 | WG2573420 |
| sec-Butylbenzene | U | | 0.00533 | 0.0174 | 1 | 08/07/2025 09:46 | WG2573420 |
| tert-Butylbenzene | U | | 0.00263 | 0.00696 | 1 | 08/07/2025 09:46 | WG2573420 |
| Carbon tetrachloride | U | | 0.00419 | 0.00696 | 1 | 08/07/2025 09:46 | WG2573420 |
| Chlorobenzene | U | | 0.00119 | 0.00348 | 1 | 08/07/2025 09:46 | WG2573420 |
| Chlorodibromomethane | U | | 0.00224 | 0.00348 | 1 | 08/07/2025 09:46 | WG2573420 |
| Chloroethane | U | | 0.00792 | 0.0139 | 1 | 08/07/2025 09:46 | WG2573420 |
| Chloroform | U | | 0.00226 | 0.00348 | 1 | 08/07/2025 09:46 | WG2573420 |
| Chloromethane | U | | 0.0118 | 0.0174 | 1 | 08/07/2025 09:46 | WG2573420 |
| 2-Chlorotoluene | U | | 0.00180 | 0.00348 | 1 | 08/07/2025 09:46 | WG2573420 |
| 4-Chlorotoluene | U | | 0.00214 | 0.00696 | 1 | 08/07/2025 09:46 | WG2573420 |
| 1,2-Dibromo-3-Chloropropane | U | C3 | 0.0149 | 0.0348 | 1 | 08/07/2025 09:46 | WG2573420 |
| 1,2-Dibromoethane | U | | 0.00175 | 0.00348 | 1 | 08/07/2025 09:46 | WG2573420 |
| Dibromomethane | U | | 0.00248 | 0.00696 | 1 | 08/07/2025 09:46 | WG2573420 |

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| 1,2-Dichlorobenzene | U | | 0.00217 | 0.00696 | 1 | 08/07/2025 09:46 | WG2573420 |
| 1,3-Dichlorobenzene | U | | 0.00230 | 0.00696 | 1 | 08/07/2025 09:46 | WG2573420 |
| 1,4-Dichlorobenzene | 0.00391 | J | 0.00244 | 0.00696 | 1 | 08/07/2025 09:46 | WG2573420 |
| Dichlorodifluoromethane | U | | 0.00606 | 0.00696 | 1 | 08/07/2025 09:46 | WG2573420 |
| 1,1-Dichloroethane | U | | 0.00141 | 0.00348 | 1 | 08/07/2025 09:46 | WG2573420 |
| 1,2-Dichloroethane | U | | 0.00203 | 0.00348 | 1 | 08/07/2025 09:46 | WG2573420 |
| 1,1-Dichloroethene | U | | 0.00213 | 0.00348 | 1 | 08/07/2025 09:46 | WG2573420 |
| cis-1,2-Dichloroethene | U | | 0.00180 | 0.00348 | 1 | 08/07/2025 09:46 | WG2573420 |
| trans-1,2-Dichloroethene | U | | 0.00145 | 0.00696 | 1 | 08/07/2025 09:46 | WG2573420 |
| 1,2-Dichloropropane | U | | 0.00267 | 0.00696 | 1 | 08/07/2025 09:46 | WG2573420 |
| 1,1-Dichloropropene | U | | 0.00192 | 0.00696 | 1 | 08/07/2025 09:46 | WG2573420 |
| 1,3-Dichloropropane | U | | 0.00226 | 0.00696 | 1 | 08/07/2025 09:46 | WG2573420 |
| cis-1,3-Dichloropropene | U | | 0.00146 | 0.00348 | 1 | 08/07/2025 09:46 | WG2573420 |
| trans-1,3-Dichloropropene | U | | 0.00146 | 0.00696 | 1 | 08/07/2025 09:46 | WG2573420 |
| 2,2-Dichloropropane | U | | 0.00281 | 0.00348 | 1 | 08/07/2025 09:46 | WG2573420 |
| Di-isopropyl ether | U | | 0.00107 | 0.00139 | 1 | 08/07/2025 09:46 | WG2573420 |
| Ethylbenzene | U | | 0.00137 | 0.00348 | 1 | 08/07/2025 09:46 | WG2573420 |
| Hexachloro-1,3-butadiene | U | C3 | 0.0145 | 0.0348 | 1 | 08/07/2025 09:46 | WG2573420 |
| Isopropylbenzene | U | | 0.00141 | 0.00348 | 1 | 08/07/2025 09:46 | WG2573420 |
| p-Isopropyltoluene | U | | 0.00297 | 0.00696 | 1 | 08/07/2025 09:46 | WG2573420 |
| 2-Butanone (MEK) | U | | 0.123 | 0.139 | 1 | 08/07/2025 09:46 | WG2573420 |
| Methylene Chloride | U | | 0.0153 | 0.0348 | 1 | 08/07/2025 09:46 | WG2573420 |
| 4-Methyl-2-pentanone (MIBK) | U | | 0.0138 | 0.0348 | 1 | 08/07/2025 09:46 | WG2573420 |
| Methyl tert-butyl ether | U | | 0.00108 | 0.00139 | 1 | 08/07/2025 09:46 | WG2573420 |
| Naphthalene | U | C3 | 0.0106 | 0.0174 | 1 | 08/07/2025 09:46 | WG2573420 |
| n-Propylbenzene | U | | 0.00235 | 0.00696 | 1 | 08/07/2025 09:46 | WG2573420 |
| Styrene | U | | 0.00620 | 0.0174 | 1 | 08/07/2025 09:46 | WG2573420 |
| 1,1,1,2-Tetrachloroethane | U | | 0.00181 | 0.00348 | 1 | 08/07/2025 09:46 | WG2573420 |
| 1,1,2,2-Tetrachloroethane | U | | 0.00161 | 0.00348 | 1 | 08/07/2025 09:46 | WG2573420 |
| 1,1,2-Trichlorotrifluoroethane | U | | 0.00391 | 0.00696 | 1 | 08/07/2025 09:46 | WG2573420 |
| Tetrachloroethene | U | | 0.00212 | 0.00348 | 1 | 08/07/2025 09:46 | WG2573420 |
| Toluene | U | | 0.00402 | 0.00696 | 1 | 08/07/2025 09:46 | WG2573420 |
| 1,2,3-Trichlorobenzene | U | | 0.00973 | 0.0174 | 1 | 08/07/2025 09:46 | WG2573420 |
| 1,2,4-Trichlorobenzene | U | C3 | 0.00755 | 0.0174 | 1 | 08/07/2025 09:46 | WG2573420 |
| 1,1,1-Trichloroethane | U | | 0.00202 | 0.00348 | 1 | 08/07/2025 09:46 | WG2573420 |
| 1,1,2-Trichloroethane | U | | 0.00187 | 0.00348 | 1 | 08/07/2025 09:46 | WG2573420 |
| Trichloroethene | U | | 0.00124 | 0.00139 | 1 | 08/07/2025 09:46 | WG2573420 |
| Trichlorofluoromethane | U | | 0.00363 | 0.00557 | 1 | 08/07/2025 09:46 | WG2573420 |
| 1,2,3-Trichloropropane | U | | 0.00852 | 0.0174 | 1 | 08/07/2025 09:46 | WG2573420 |
| 1,2,4-Trimethylbenzene | U | | 0.00331 | 0.00696 | 1 | 08/07/2025 09:46 | WG2573420 |
| 1,2,3-Trimethylbenzene | U | | 0.00253 | 0.00696 | 1 | 08/07/2025 09:46 | WG2573420 |
| 1,3,5-Trimethylbenzene | U | | 0.00317 | 0.00696 | 1 | 08/07/2025 09:46 | WG2573420 |
| Vinyl chloride | U | | 0.00280 | 0.00348 | 1 | 08/07/2025 09:46 | WG2573420 |
| Xylenes, Total | U | | 0.00390 | 0.00905 | 1 | 08/07/2025 09:46 | WG2573420 |
| *(S) Toluene-d8* | *99.6* | | | *75.0-131* | | *08/07/2025 09:46* | WG2573420 |
| *(S) 4-Bromofluorobenzene* | *95.5* | | | *67.0-138* | | *08/07/2025 09:46* | WG2573420 |
| *(S) 1,2-Dichloroethane-d4* | *94.4* | | | *70.0-130* | | *08/07/2025 09:46* | WG2573420 |

## Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Diesel Range Organics (DRO) | U | | 1.56 | 4.71 | 1 | 08/10/2025 17:37 | WG2576645 |
| Residual Range Organics (RRO) | U | | 3.92 | 11.8 | 1 | 08/10/2025 17:37 | WG2576645 |
| *(S) o-Terphenyl* | *62.0* | | | *18.0-148* | | *08/10/2025 17:37* | WG2576645 |

## Polychlorinated Biphenyls (GC) by Method 8082 A

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| PCB 1016 | U | | 0.0120 | 0.0400 | 1 | 08/10/2025 16:26 | WG2576643 |
| PCB 1221 | U | | 0.0126 | 0.0400 | 1 | 08/10/2025 16:26 | WG2576643 |
| PCB 1232 | U | | 0.0214 | 0.0400 | 1 | 08/10/2025 16:26 | WG2576643 |
| PCB 1242 | U | | 0.0119 | 0.0400 | 1 | 08/10/2025 16:26 | WG2576643 |
| PCB 1248 | U | | 0.0146 | 0.0200 | 1 | 08/10/2025 16:26 | WG2576643 |
| PCB 1254 | U | | 0.0122 | 0.0200 | 1 | 08/10/2025 16:26 | WG2576643 |
| PCB 1260 | U | | 0.0129 | 0.0200 | 1 | 08/10/2025 16:26 | WG2576643 |
| *(S) Decachlorobiphenyl* | *49.1* | | | *10.0-135* | | *08/10/2025 16:26* | WG2576643 |
| *(S) Tetrachloro-m-xylene* | *77.0* | | | *10.0-139* | | *08/10/2025 16:26* | WG2576643 |

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Anthracene | U | | 0.00192 | 0.00706 | 1 | 08/13/2025 12:22 | WG2575957 |
| Acenaphthene | U | | 0.00191 | 0.00706 | 1 | 08/13/2025 12:22 | WG2575957 |
| Acenaphthylene | U | | 0.00187 | 0.00706 | 1 | 08/13/2025 12:22 | WG2575957 |
| Benzo(a)anthracene | U | | 0.00235 | 0.00706 | 1 | 08/13/2025 12:22 | WG2575957 |
| Benzo(a)pyrene | U | | 0.00192 | 0.00706 | 1 | 08/13/2025 12:22 | WG2575957 |
| Benzo(b)fluoranthene | U | | 0.00324 | 0.00706 | 1 | 08/13/2025 12:22 | WG2575957 |
| Benzo(g,h,i)perylene | U | | 0.00227 | 0.00706 | 1 | 08/13/2025 12:22 | WG2575957 |
| Benzo(k)fluoranthene | U | | 0.00251 | 0.00706 | 1 | 08/13/2025 12:22 | WG2575957 |
| Chrysene | U | | 0.00242 | 0.00706 | 1 | 08/13/2025 12:22 | WG2575957 |
| Dibenz(a,h)anthracene | U | | 0.00236 | 0.00706 | 1 | 08/13/2025 12:22 | WG2575957 |
| Fluoranthene | U | | 0.00281 | 0.00706 | 1 | 08/13/2025 12:22 | WG2575957 |
| Fluorene | U | | 0.00212 | 0.00706 | 1 | 08/13/2025 12:22 | WG2575957 |
| Indeno(1,2,3-cd)pyrene | U | | 0.00275 | 0.00706 | 1 | 08/13/2025 12:22 | WG2575957 |
| Naphthalene | U | | 0.00681 | 0.0235 | 1 | 08/13/2025 12:22 | WG2575957 |
| Phenanthrene | U | | 0.00359 | 0.00706 | 1 | 08/13/2025 12:22 | WG2575957 |
| Pyrene | U | | 0.00241 | 0.00706 | 1 | 08/13/2025 12:22 | WG2575957 |
| 1-Methylnaphthalene | U | | 0.00258 | 0.0235 | 1 | 08/13/2025 12:22 | WG2575957 |
| 2-Methylnaphthalene | U | | 0.00672 | 0.0235 | 1 | 08/13/2025 12:22 | WG2575957 |
| 2-Chloronaphthalene | U | | 0.00152 | 0.0235 | 1 | 08/13/2025 12:22 | WG2575957 |
| *(S) p-Terphenyl-d14* | *112* | | | *23.0-120* | | *08/13/2025 12:22* | WG2575957 |
| *(S) Nitrobenzene-d5* | *102* | | | *14.0-149* | | *08/13/2025 12:22* | WG2575957 |
| *(S) 2-Fluorobiphenyl* | *113* | | | *34.0-125* | | *08/13/2025 12:22* | WG2575957 |

## Total Solids by Method 2540 G-2011

| Analyte | Result | Qualifier | Dilution | Analysis | Batch |
|---|---|---|---|---|---|
| | % | | | date / time | |
| Total Solids | 94.6 | | 1 | 08/08/2025 15:17 | WG2575499 |

## Mercury by Method 7471B

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/kg | | mg/kg | mg/kg | | date / time | |
| Mercury | U | | 0.0218 | 0.0423 | 1 | 08/11/2025 12:11 | WG2575778 |

## Metals (ICPMS) by Method 6020B

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/kg | | mg/kg | mg/kg | | date / time | |
| Antimony | U | | 0.176 | 3.17 | 5 | 08/18/2025 23:43 | WG2576187 |
| Arsenic | 1.41 | | 0.106 | 1.06 | 5 | 08/18/2025 23:43 | WG2576187 |
| Beryllium | 0.569 | J | 0.146 | 2.64 | 5 | 08/18/2025 23:43 | WG2576187 |
| Cadmium | U | | 0.0904 | 1.06 | 5 | 08/18/2025 23:43 | WG2576187 |
| Chromium | 9.15 | | 0.313 | 5.29 | 5 | 08/18/2025 23:43 | WG2576187 |
| Copper | 28.0 | | 0.140 | 5.29 | 5 | 08/18/2025 23:43 | WG2576187 |
| Lead | 3.98 | | 0.105 | 2.11 | 5 | 08/18/2025 23:43 | WG2576187 |
| Manganese | 629 | | 1.42 | 13.2 | 25 | 08/19/2025 14:41 | WG2576187 |
| Nickel | 12.6 | | 0.208 | 2.64 | 5 | 08/18/2025 23:43 | WG2576187 |
| Selenium | 0.370 | J | 0.190 | 2.64 | 5 | 08/18/2025 23:43 | WG2576187 |
| Silver | U | | 0.0915 | 0.529 | 5 | 08/18/2025 23:43 | WG2576187 |
| Titanium | 4480 | | 0.777 | 5.29 | 5 | 08/18/2025 23:43 | WG2576187 |
| Zinc | 64.1 | | 0.782 | 26.4 | 5 | 08/18/2025 23:43 | WG2576187 |

## Volatile Organic Compounds (GC) by Method NWTPHGX

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/kg | | mg/kg | mg/kg | | date / time | |
| Gasoline Range Organics-NWTPH | U | | 1.61 | 2.98 | 26.8 | 08/06/2025 04:07 | WG2573564 |
| *(S) a,a,a-Trifluorotoluene(FID)* | *104* | | | *77.0-120* | | *08/06/2025 04:07* | WG2573564 |

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

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/kg | | mg/kg | mg/kg | | date / time | |
| Acetone | U | J4 | 0.0829 | 0.119 | 1.07 | 08/06/2025 11:55 | WG2573870 |
| Acrylonitrile | U | | 0.00954 | 0.0149 | 1.07 | 08/06/2025 11:55 | WG2573870 |
| Benzene | U | | 0.000845 | 0.00119 | 1.07 | 08/06/2025 11:55 | WG2573870 |
| Bromobenzene | U | | 0.00463 | 0.0149 | 1.07 | 08/06/2025 11:55 | WG2573870 |
| Bromodichloromethane | U | | 0.00139 | 0.00298 | 1.07 | 08/06/2025 11:55 | WG2573870 |
| Bromoform | U | | 0.0118 | 0.0298 | 1.07 | 08/06/2025 11:55 | WG2573870 |
| Bromomethane | U | | 0.0120 | 0.0149 | 1.07 | 08/06/2025 11:55 | WG2573870 |
| n-Butylbenzene | U | | 0.00743 | 0.0149 | 1.07 | 08/06/2025 11:55 | WG2573870 |
| sec-Butylbenzene | U | | 0.00455 | 0.0149 | 1.07 | 08/06/2025 11:55 | WG2573870 |
| tert-Butylbenzene | U | | 0.00224 | 0.00594 | 1.07 | 08/06/2025 11:55 | WG2573870 |
| Carbon tetrachloride | U | | 0.00358 | 0.00594 | 1.07 | 08/06/2025 11:55 | WG2573870 |
| Chlorobenzene | U | | 0.00102 | 0.00298 | 1.07 | 08/06/2025 11:55 | WG2573870 |
| Chlorodibromomethane | U | | 0.00191 | 0.00298 | 1.07 | 08/06/2025 11:55 | WG2573870 |
| Chloroethane | U | C3 | 0.00677 | 0.0119 | 1.07 | 08/06/2025 11:55 | WG2573870 |
| Chloroform | U | | 0.00192 | 0.00298 | 1.07 | 08/06/2025 11:55 | WG2573870 |
| Chloromethane | U | | 0.0101 | 0.0149 | 1.07 | 08/06/2025 11:55 | WG2573870 |
| 2-Chlorotoluene | U | | 0.00153 | 0.00298 | 1.07 | 08/06/2025 11:55 | WG2573870 |
| 4-Chlorotoluene | U | | 0.00183 | 0.00594 | 1.07 | 08/06/2025 11:55 | WG2573870 |
| 1,2-Dibromo-3-Chloropropane | U | | 0.0127 | 0.0298 | 1.07 | 08/06/2025 11:55 | WG2573870 |
| 1,2-Dibromoethane | U | | 0.00150 | 0.00298 | 1.07 | 08/06/2025 11:55 | WG2573870 |
| Dibromomethane | U | | 0.00211 | 0.00594 | 1.07 | 08/06/2025 11:55 | WG2573870 |

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| 1,2-Dichlorobenzene | U | | 0.00186 | 0.00594 | 1.07 | 08/06/2025 11:55 | WG2573870 |
| 1,3-Dichlorobenzene | U | | 0.00197 | 0.00594 | 1.07 | 08/06/2025 11:55 | WG2573870 |
| 1,4-Dichlorobenzene | 0.00479 | J | 0.00208 | 0.00594 | 1.07 | 08/06/2025 11:55 | WG2573870 |
| Dichlorodifluoromethane | U | | 0.00517 | 0.00594 | 1.07 | 08/06/2025 11:55 | WG2573870 |
| 1,1-Dichloroethane | U | | 0.00120 | 0.00298 | 1.07 | 08/06/2025 11:55 | WG2573870 |
| 1,2-Dichloroethane | U | | 0.00173 | 0.00298 | 1.07 | 08/06/2025 11:55 | WG2573870 |
| 1,1-Dichloroethene | U | | 0.00182 | 0.00298 | 1.07 | 08/06/2025 11:55 | WG2573870 |
| cis-1,2-Dichloroethene | U | | 0.00153 | 0.00298 | 1.07 | 08/06/2025 11:55 | WG2573870 |
| trans-1,2-Dichloroethene | U | | 0.00123 | 0.00594 | 1.07 | 08/06/2025 11:55 | WG2573870 |
| 1,2-Dichloropropane | U | | 0.00228 | 0.00594 | 1.07 | 08/06/2025 11:55 | WG2573870 |
| 1,1-Dichloropropene | U | | 0.00164 | 0.00594 | 1.07 | 08/06/2025 11:55 | WG2573870 |
| 1,3-Dichloropropane | U | | 0.00192 | 0.00594 | 1.07 | 08/06/2025 11:55 | WG2573870 |
| cis-1,3-Dichloropropene | U | | 0.00124 | 0.00298 | 1.07 | 08/06/2025 11:55 | WG2573870 |
| trans-1,3-Dichloropropene | U | | 0.00124 | 0.00594 | 1.07 | 08/06/2025 11:55 | WG2573870 |
| 2,2-Dichloropropane | U | | 0.00240 | 0.00298 | 1.07 | 08/06/2025 11:55 | WG2573870 |
| Di-isopropyl ether | U | | 0.000914 | 0.00119 | 1.07 | 08/06/2025 11:55 | WG2573870 |
| Ethylbenzene | U | | 0.00118 | 0.00298 | 1.07 | 08/06/2025 11:55 | WG2573870 |
| Hexachloro-1,3-butadiene | U | | 0.0124 | 0.0298 | 1.07 | 08/06/2025 11:55 | WG2573870 |
| Isopropylbenzene | U | | 0.00120 | 0.00298 | 1.07 | 08/06/2025 11:55 | WG2573870 |
| p-Isopropyltoluene | U | | 0.00253 | 0.00594 | 1.07 | 08/06/2025 11:55 | WG2573870 |
| 2-Butanone (MEK) | U | | 0.105 | 0.119 | 1.07 | 08/06/2025 11:55 | WG2573870 |
| Methylene Chloride | U | | 0.0131 | 0.0298 | 1.07 | 08/06/2025 11:55 | WG2573870 |
| 4-Methyl-2-pentanone (MIBK) | U | | 0.0118 | 0.0298 | 1.07 | 08/06/2025 11:55 | WG2573870 |
| Methyl tert-butyl ether | U | | 0.000919 | 0.00119 | 1.07 | 08/06/2025 11:55 | WG2573870 |
| Naphthalene | U | | 0.00906 | 0.0149 | 1.07 | 08/06/2025 11:55 | WG2573870 |
| n-Propylbenzene | U | | 0.00201 | 0.00594 | 1.07 | 08/06/2025 11:55 | WG2573870 |
| Styrene | U | | 0.00529 | 0.0149 | 1.07 | 08/06/2025 11:55 | WG2573870 |
| 1,1,1,2-Tetrachloroethane | U | | 0.00154 | 0.00298 | 1.07 | 08/06/2025 11:55 | WG2573870 |
| 1,1,2,2-Tetrachloroethane | U | | 0.00138 | 0.00298 | 1.07 | 08/06/2025 11:55 | WG2573870 |
| 1,1,2-Trichlorotrifluoroethane | U | | 0.00334 | 0.00594 | 1.07 | 08/06/2025 11:55 | WG2573870 |
| Tetrachloroethene | U | | 0.00181 | 0.00298 | 1.07 | 08/06/2025 11:55 | WG2573870 |
| Toluene | U | | 0.00343 | 0.00594 | 1.07 | 08/06/2025 11:55 | WG2573870 |
| 1,2,3-Trichlorobenzene | U | | 0.00831 | 0.0149 | 1.07 | 08/06/2025 11:55 | WG2573870 |
| 1,2,4-Trichlorobenzene | U | | 0.00644 | 0.0149 | 1.07 | 08/06/2025 11:55 | WG2573870 |
| 1,1,1-Trichloroethane | U | | 0.00172 | 0.00298 | 1.07 | 08/06/2025 11:55 | WG2573870 |
| 1,1,2-Trichloroethane | U | | 0.00159 | 0.00298 | 1.07 | 08/06/2025 11:55 | WG2573870 |
| Trichloroethene | U | | 0.00106 | 0.00119 | 1.07 | 08/06/2025 11:55 | WG2573870 |
| Trichlorofluoromethane | U | | 0.00310 | 0.00475 | 1.07 | 08/06/2025 11:55 | WG2573870 |
| 1,2,3-Trichloropropane | U | | 0.00728 | 0.0149 | 1.07 | 08/06/2025 11:55 | WG2573870 |
| 1,2,4-Trimethylbenzene | U | | 0.00283 | 0.00594 | 1.07 | 08/06/2025 11:55 | WG2573870 |
| 1,2,3-Trimethylbenzene | U | | 0.00217 | 0.00594 | 1.07 | 08/06/2025 11:55 | WG2573870 |
| 1,3,5-Trimethylbenzene | U | | 0.00271 | 0.00594 | 1.07 | 08/06/2025 11:55 | WG2573870 |
| Vinyl chloride | U | | 0.00239 | 0.00298 | 1.07 | 08/06/2025 11:55 | WG2573870 |
| Xylenes, Total | U | | 0.00333 | 0.00773 | 1.07 | 08/06/2025 11:55 | WG2573870 |
| *(S) Toluene-d8* | *97.5* | | | *75.0-131* | | *08/06/2025 11:55* | WG2573870 |
| *(S) 4-Bromofluorobenzene* | *107* | | | *67.0-138* | | *08/06/2025 11:55* | WG2573870 |
| *(S) 1,2-Dichloroethane-d4* | *93.9* | | | *70.0-130* | | *08/06/2025 11:55* | WG2573870 |

## Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Diesel Range Organics (DRO) | U | | 1.41 | 4.23 | 1 | 08/10/2025 17:37 | WG2576645 |
| Residual Range Organics (RRO) | U | | 3.52 | 10.6 | 1 | 08/10/2025 17:37 | WG2576645 |
| *(S) o-Terphenyl* | *75.2* | | | *18.0-148* | | *08/10/2025 17:37* | WG2576645 |

## Polychlorinated Biphenyls (GC) by Method 8082 A

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| PCB 1016 | U | | 0.0108 | 0.0360 | 1 | 08/10/2025 16:36 | WG2576643 |
| PCB 1221 | U | | 0.0113 | 0.0360 | 1 | 08/10/2025 16:36 | WG2576643 |
| PCB 1232 | U | | 0.0192 | 0.0360 | 1 | 08/10/2025 16:36 | WG2576643 |
| PCB 1242 | U | | 0.0107 | 0.0360 | 1 | 08/10/2025 16:36 | WG2576643 |
| PCB 1248 | U | | 0.0131 | 0.0180 | 1 | 08/10/2025 16:36 | WG2576643 |
| PCB 1254 | U | | 0.0110 | 0.0180 | 1 | 08/10/2025 16:36 | WG2576643 |
| PCB 1260 | U | | 0.0116 | 0.0180 | 1 | 08/10/2025 16:36 | WG2576643 |
| *(S) Decachlorobiphenyl* | *62.6* | | | *10.0-135* | | *08/10/2025 16:36* | WG2576643 |
| *(S) Tetrachloro-m-xylene* | *84.0* | | | *10.0-139* | | *08/10/2025 16:36* | WG2576643 |

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Anthracene | U | | 0.00172 | 0.00634 | 1 | 08/13/2025 12:39 | WG2575957 |
| Acenaphthene | U | | 0.00171 | 0.00634 | 1 | 08/13/2025 12:39 | WG2575957 |
| Acenaphthylene | U | | 0.00168 | 0.00634 | 1 | 08/13/2025 12:39 | WG2575957 |
| Benzo(a)anthracene | U | | 0.00211 | 0.00634 | 1 | 08/13/2025 12:39 | WG2575957 |
| Benzo(a)pyrene | U | | 0.00172 | 0.00634 | 1 | 08/13/2025 12:39 | WG2575957 |
| Benzo(b)fluoranthene | U | | 0.00291 | 0.00634 | 1 | 08/13/2025 12:39 | WG2575957 |
| Benzo(g,h,i)perylene | U | | 0.00204 | 0.00634 | 1 | 08/13/2025 12:39 | WG2575957 |
| Benzo(k)fluoranthene | U | | 0.00225 | 0.00634 | 1 | 08/13/2025 12:39 | WG2575957 |
| Chrysene | U | | 0.00218 | 0.00634 | 1 | 08/13/2025 12:39 | WG2575957 |
| Dibenz(a,h)anthracene | U | | 0.00213 | 0.00634 | 1 | 08/13/2025 12:39 | WG2575957 |
| Fluoranthene | U | | 0.00253 | 0.00634 | 1 | 08/13/2025 12:39 | WG2575957 |
| Fluorene | U | | 0.00190 | 0.00634 | 1 | 08/13/2025 12:39 | WG2575957 |
| Indeno(1,2,3-cd)pyrene | U | | 0.00247 | 0.00634 | 1 | 08/13/2025 12:39 | WG2575957 |
| Naphthalene | U | | 0.00612 | 0.0211 | 1 | 08/13/2025 12:39 | WG2575957 |
| Phenanthrene | U | | 0.00323 | 0.00634 | 1 | 08/13/2025 12:39 | WG2575957 |
| Pyrene | U | | 0.00217 | 0.00634 | 1 | 08/13/2025 12:39 | WG2575957 |
| 1-Methylnaphthalene | U | | 0.00232 | 0.0211 | 1 | 08/13/2025 12:39 | WG2575957 |
| 2-Methylnaphthalene | U | | 0.00604 | 0.0211 | 1 | 08/13/2025 12:39 | WG2575957 |
| 2-Chloronaphthalene | U | | 0.00136 | 0.0211 | 1 | 08/13/2025 12:39 | WG2575957 |
| *(S) p-Terphenyl-d14* | *127* | J1 | | *23.0-120* | | *08/13/2025 12:39* | WG2575957 |
| *(S) Nitrobenzene-d5* | *110* | | | *14.0-149* | | *08/13/2025 12:39* | WG2575957 |
| *(S) 2-Fluorobiphenyl* | *123* | | | *34.0-125* | | *08/13/2025 12:39* | WG2575957 |

## Total Solids by Method 2540 G-2011

| Analyte | Result | Qualifier | Dilution | Analysis | Batch |
|---|---|---|---|---|---|
| | % | | | date / time | |
| Total Solids | 94.0 | | 1 | 08/08/2025 15:17 | WG2575499 |

## Mercury by Method 7471B

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/kg | | mg/kg | mg/kg | | date / time | |
| Mercury | U | | 0.0219 | 0.0425 | 1 | 08/11/2025 12:14 | WG2575778 |

## Metals (ICPMS) by Method 6020B

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/kg | | mg/kg | mg/kg | | date / time | |
| Antimony | U | | 0.177 | 3.19 | 5 | 08/19/2025 00:05 | WG2576187 |
| Arsenic | 1.61 | | 0.106 | 1.06 | 5 | 08/19/2025 00:05 | WG2576187 |
| Beryllium | 0.476 | J | 0.147 | 2.66 | 5 | 08/19/2025 00:05 | WG2576187 |
| Cadmium | 0.0942 | J | 0.0909 | 1.06 | 5 | 08/19/2025 00:05 | WG2576187 |
| Chromium | 10.5 | | 0.315 | 5.32 | 5 | 08/19/2025 00:05 | WG2576187 |
| Copper | 23.0 | | 0.140 | 5.32 | 5 | 08/19/2025 00:05 | WG2576187 |
| Lead | 3.51 | | 0.105 | 2.13 | 5 | 08/19/2025 00:05 | WG2576187 |
| Manganese | 556 | | 1.43 | 13.3 | 25 | 08/19/2025 14:45 | WG2576187 |
| Nickel | 16.7 | | 0.210 | 2.66 | 5 | 08/19/2025 00:05 | WG2576187 |
| Selenium | 0.417 | J | 0.191 | 2.66 | 5 | 08/19/2025 00:05 | WG2576187 |
| Silver | U | | 0.0920 | 0.532 | 5 | 08/19/2025 00:05 | WG2576187 |
| Titanium | 4910 | | 0.782 | 5.32 | 5 | 08/19/2025 00:05 | WG2576187 |
| Zinc | 70.6 | | 0.787 | 26.6 | 5 | 08/19/2025 00:05 | WG2576187 |

## Volatile Organic Compounds (GC) by Method NWTPHGX

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/kg | | mg/kg | mg/kg | | date / time | |
| Gasoline Range Organics-NWTPH | U | | 1.63 | 3.01 | 26.8 | 08/06/2025 04:29 | WG2573564 |
| *(S) a,a,a-Trifluorotoluene(FID)* | *104* | | | *77.0-120* | | *08/06/2025 04:29* | WG2573564 |

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

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/kg | | mg/kg | mg/kg | | date / time | |
| Acetone | U | J4 | 0.0838 | 0.120 | 1.07 | 08/06/2025 12:14 | WG2573870 |
| Acrylonitrile | U | | 0.00965 | 0.0150 | 1.07 | 08/06/2025 12:14 | WG2573870 |
| Benzene | U | | 0.000855 | 0.00120 | 1.07 | 08/06/2025 12:14 | WG2573870 |
| Bromobenzene | U | | 0.00468 | 0.0150 | 1.07 | 08/06/2025 12:14 | WG2573870 |
| Bromodichloromethane | U | | 0.00140 | 0.00301 | 1.07 | 08/06/2025 12:14 | WG2573870 |
| Bromoform | U | | 0.0119 | 0.0301 | 1.07 | 08/06/2025 12:14 | WG2573870 |
| Bromomethane | U | | 0.0121 | 0.0150 | 1.07 | 08/06/2025 12:14 | WG2573870 |
| n-Butylbenzene | U | | 0.00751 | 0.0150 | 1.07 | 08/06/2025 12:14 | WG2573870 |
| sec-Butylbenzene | U | | 0.00460 | 0.0150 | 1.07 | 08/06/2025 12:14 | WG2573870 |
| tert-Butylbenzene | U | | 0.00227 | 0.00601 | 1.07 | 08/06/2025 12:14 | WG2573870 |
| Carbon tetrachloride | U | | 0.00362 | 0.00601 | 1.07 | 08/06/2025 12:14 | WG2573870 |
| Chlorobenzene | U | | 0.00103 | 0.00301 | 1.07 | 08/06/2025 12:14 | WG2573870 |
| Chlorodibromomethane | U | | 0.00193 | 0.00301 | 1.07 | 08/06/2025 12:14 | WG2573870 |
| Chloroethane | U | C3 | 0.00684 | 0.0120 | 1.07 | 08/06/2025 12:14 | WG2573870 |
| Chloroform | U | | 0.00194 | 0.00301 | 1.07 | 08/06/2025 12:14 | WG2573870 |
| Chloromethane | U | | 0.0102 | 0.0150 | 1.07 | 08/06/2025 12:14 | WG2573870 |
| 2-Chlorotoluene | U | | 0.00155 | 0.00301 | 1.07 | 08/06/2025 12:14 | WG2573870 |
| 4-Chlorotoluene | U | | 0.00185 | 0.00601 | 1.07 | 08/06/2025 12:14 | WG2573870 |
| 1,2-Dibromo-3-Chloropropane | U | | 0.0128 | 0.0301 | 1.07 | 08/06/2025 12:14 | WG2573870 |
| 1,2-Dibromoethane | U | | 0.00152 | 0.00301 | 1.07 | 08/06/2025 12:14 | WG2573870 |
| Dibromomethane | U | | 0.00213 | 0.00601 | 1.07 | 08/06/2025 12:14 | WG2573870 |

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| 1,2-Dichlorobenzene | U | | 0.00188 | 0.00601 | 1.07 | 08/06/2025 12:14 | WG2573870 |
| 1,3-Dichlorobenzene | U | | 0.00199 | 0.00601 | 1.07 | 08/06/2025 12:14 | WG2573870 |
| 1,4-Dichlorobenzene | 0.00466 | J | 0.00210 | 0.00601 | 1.07 | 08/06/2025 12:14 | WG2573870 |
| Dichlorodifluoromethane | U | | 0.00522 | 0.00601 | 1.07 | 08/06/2025 12:14 | WG2573870 |
| 1,1-Dichloroethane | U | | 0.00121 | 0.00301 | 1.07 | 08/06/2025 12:14 | WG2573870 |
| 1,2-Dichloroethane | U | | 0.00175 | 0.00301 | 1.07 | 08/06/2025 12:14 | WG2573870 |
| 1,1-Dichloroethene | U | | 0.00184 | 0.00301 | 1.07 | 08/06/2025 12:14 | WG2573870 |
| cis-1,2-Dichloroethene | U | | 0.00155 | 0.00301 | 1.07 | 08/06/2025 12:14 | WG2573870 |
| trans-1,2-Dichloroethene | U | | 0.00125 | 0.00601 | 1.07 | 08/06/2025 12:14 | WG2573870 |
| 1,2-Dichloropropane | U | | 0.00230 | 0.00601 | 1.07 | 08/06/2025 12:14 | WG2573870 |
| 1,1-Dichloropropene | U | | 0.00166 | 0.00601 | 1.07 | 08/06/2025 12:14 | WG2573870 |
| 1,3-Dichloropropane | U | | 0.00194 | 0.00601 | 1.07 | 08/06/2025 12:14 | WG2573870 |
| cis-1,3-Dichloropropene | U | | 0.00126 | 0.00301 | 1.07 | 08/06/2025 12:14 | WG2573870 |
| trans-1,3-Dichloropropene | U | | 0.00126 | 0.00601 | 1.07 | 08/06/2025 12:14 | WG2573870 |
| 2,2-Dichloropropane | U | | 0.00243 | 0.00301 | 1.07 | 08/06/2025 12:14 | WG2573870 |
| Di-isopropyl ether | U | | 0.000924 | 0.00120 | 1.07 | 08/06/2025 12:14 | WG2573870 |
| Ethylbenzene | U | | 0.00119 | 0.00301 | 1.07 | 08/06/2025 12:14 | WG2573870 |
| Hexachloro-1,3-butadiene | U | | 0.0126 | 0.0301 | 1.07 | 08/06/2025 12:14 | WG2573870 |
| Isopropylbenzene | U | | 0.00121 | 0.00301 | 1.07 | 08/06/2025 12:14 | WG2573870 |
| p-Isopropyltoluene | U | | 0.00256 | 0.00601 | 1.07 | 08/06/2025 12:14 | WG2573870 |
| 2-Butanone (MEK) | U | | 0.107 | 0.120 | 1.07 | 08/06/2025 12:14 | WG2573870 |
| Methylene Chloride | U | | 0.0133 | 0.0301 | 1.07 | 08/06/2025 12:14 | WG2573870 |
| 4-Methyl-2-pentanone (MIBK) | U | | 0.0119 | 0.0301 | 1.07 | 08/06/2025 12:14 | WG2573870 |
| Methyl tert-butyl ether | U | | 0.000929 | 0.00120 | 1.07 | 08/06/2025 12:14 | WG2573870 |
| Naphthalene | U | | 0.00916 | 0.0150 | 1.07 | 08/06/2025 12:14 | WG2573870 |
| n-Propylbenzene | U | | 0.00203 | 0.00601 | 1.07 | 08/06/2025 12:14 | WG2573870 |
| Styrene | U | | 0.00535 | 0.0150 | 1.07 | 08/06/2025 12:14 | WG2573870 |
| 1,1,1,2-Tetrachloroethane | U | | 0.00156 | 0.00301 | 1.07 | 08/06/2025 12:14 | WG2573870 |
| 1,1,2,2-Tetrachloroethane | U | | 0.00139 | 0.00301 | 1.07 | 08/06/2025 12:14 | WG2573870 |
| 1,1,2-Trichlorotrifluoroethane | U | | 0.00338 | 0.00601 | 1.07 | 08/06/2025 12:14 | WG2573870 |
| Tetrachloroethene | U | | 0.00183 | 0.00301 | 1.07 | 08/06/2025 12:14 | WG2573870 |
| Toluene | U | | 0.00347 | 0.00601 | 1.07 | 08/06/2025 12:14 | WG2573870 |
| 1,2,3-Trichlorobenzene | U | | 0.00840 | 0.0150 | 1.07 | 08/06/2025 12:14 | WG2573870 |
| 1,2,4-Trichlorobenzene | U | | 0.00651 | 0.0150 | 1.07 | 08/06/2025 12:14 | WG2573870 |
| 1,1,1-Trichloroethane | U | | 0.00174 | 0.00301 | 1.07 | 08/06/2025 12:14 | WG2573870 |
| 1,1,2-Trichloroethane | U | | 0.00161 | 0.00301 | 1.07 | 08/06/2025 12:14 | WG2573870 |
| Trichloroethene | U | | 0.00107 | 0.00120 | 1.07 | 08/06/2025 12:14 | WG2573870 |
| Trichlorofluoromethane | U | | 0.00313 | 0.00481 | 1.07 | 08/06/2025 12:14 | WG2573870 |
| 1,2,3-Trichloropropane | U | | 0.00736 | 0.0150 | 1.07 | 08/06/2025 12:14 | WG2573870 |
| 1,2,4-Trimethylbenzene | U | | 0.00286 | 0.00601 | 1.07 | 08/06/2025 12:14 | WG2573870 |
| 1,2,3-Trimethylbenzene | U | | 0.00219 | 0.00601 | 1.07 | 08/06/2025 12:14 | WG2573870 |
| 1,3,5-Trimethylbenzene | U | | 0.00274 | 0.00601 | 1.07 | 08/06/2025 12:14 | WG2573870 |
| Vinyl chloride | U | | 0.00241 | 0.00301 | 1.07 | 08/06/2025 12:14 | WG2573870 |
| Xylenes, Total | U | | 0.00337 | 0.00782 | 1.07 | 08/06/2025 12:14 | WG2573870 |
| *(S) Toluene-d8* | *97.6* | | | *75.0-131* | | *08/06/2025 12:14* | WG2573870 |
| *(S) 4-Bromofluorobenzene* | *107* | | | *67.0-138* | | *08/06/2025 12:14* | WG2573870 |
| *(S) 1,2-Dichloroethane-d4* | *95.3* | | | *70.0-130* | | *08/06/2025 12:14* | WG2573870 |

## Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Diesel Range Organics (DRO) | U | | 1.41 | 4.25 | 1 | 08/10/2025 17:25 | WG2576645 |
| Residual Range Organics (RRO) | U | | 3.54 | 10.6 | 1 | 08/10/2025 17:25 | WG2576645 |
| *(S) o-Terphenyl* | *74.3* | | | *18.0-148* | | *08/10/2025 17:25* | WG2576645 |

## Polychlorinated Biphenyls (GC) by Method 8082 A

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| PCB 1016 | U | | 0.0108 | 0.0362 | 1 | 08/10/2025 16:45 | WG2576643 |
| PCB 1221 | U | | 0.0114 | 0.0362 | 1 | 08/10/2025 16:45 | WG2576643 |
| PCB 1232 | U | | 0.0194 | 0.0362 | 1 | 08/10/2025 16:45 | WG2576643 |
| PCB 1242 | U | | 0.0107 | 0.0362 | 1 | 08/10/2025 16:45 | WG2576643 |
| PCB 1248 | U | | 0.0132 | 0.0181 | 1 | 08/10/2025 16:45 | WG2576643 |
| PCB 1254 | U | | 0.0111 | 0.0181 | 1 | 08/10/2025 16:45 | WG2576643 |
| PCB 1260 | U | | 0.0117 | 0.0181 | 1 | 08/10/2025 16:45 | WG2576643 |
| *(S) Decachlorobiphenyl* | *56.3* | | | *10.0-135* | | *08/10/2025 16:45* | WG2576643 |
| *(S) Tetrachloro-m-xylene* | *76.0* | | | *10.0-139* | | *08/10/2025 16:45* | WG2576643 |

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Anthracene | U | | 0.00173 | 0.00638 | 1 | 08/13/2025 12:56 | WG2575957 |
| Acenaphthene | U | | 0.00172 | 0.00638 | 1 | 08/13/2025 12:56 | WG2575957 |
| Acenaphthylene | U | | 0.00169 | 0.00638 | 1 | 08/13/2025 12:56 | WG2575957 |
| Benzo(a)anthracene | U | | 0.00213 | 0.00638 | 1 | 08/13/2025 12:56 | WG2575957 |
| Benzo(a)pyrene | U | | 0.00173 | 0.00638 | 1 | 08/13/2025 12:56 | WG2575957 |
| Benzo(b)fluoranthene | U | | 0.00292 | 0.00638 | 1 | 08/13/2025 12:56 | WG2575957 |
| Benzo(g,h,i)perylene | U | | 0.00205 | 0.00638 | 1 | 08/13/2025 12:56 | WG2575957 |
| Benzo(k)fluoranthene | U | | 0.00227 | 0.00638 | 1 | 08/13/2025 12:56 | WG2575957 |
| Chrysene | U | | 0.00219 | 0.00638 | 1 | 08/13/2025 12:56 | WG2575957 |
| Dibenz(a,h)anthracene | U | | 0.00214 | 0.00638 | 1 | 08/13/2025 12:56 | WG2575957 |
| Fluoranthene | U | | 0.00254 | 0.00638 | 1 | 08/13/2025 12:56 | WG2575957 |
| Fluorene | U | | 0.00191 | 0.00638 | 1 | 08/13/2025 12:56 | WG2575957 |
| Indeno(1,2,3-cd)pyrene | U | | 0.00249 | 0.00638 | 1 | 08/13/2025 12:56 | WG2575957 |
| Naphthalene | U | | 0.00616 | 0.0213 | 1 | 08/13/2025 12:56 | WG2575957 |
| Phenanthrene | U | | 0.00324 | 0.00638 | 1 | 08/13/2025 12:56 | WG2575957 |
| Pyrene | U | | 0.00218 | 0.00638 | 1 | 08/13/2025 12:56 | WG2575957 |
| 1-Methylnaphthalene | U | | 0.00233 | 0.0213 | 1 | 08/13/2025 12:56 | WG2575957 |
| 2-Methylnaphthalene | U | | 0.00607 | 0.0213 | 1 | 08/13/2025 12:56 | WG2575957 |
| 2-Chloronaphthalene | U | | 0.00137 | 0.0213 | 1 | 08/13/2025 12:56 | WG2575957 |
| *(S) p-Terphenyl-d14* | *132* | J1 | | *23.0-120* | | *08/13/2025 12:56* | WG2575957 |
| *(S) Nitrobenzene-d5* | *113* | | | *14.0-149* | | *08/13/2025 12:56* | WG2575957 |
| *(S) 2-Fluorobiphenyl* | *125* | | | *34.0-125* | | *08/13/2025 12:56* | WG2575957 |

## Total Solids by Method 2540 G-2011

| Analyte | Result | Qualifier | Dilution | Analysis | Batch |
|---|---|---|---|---|---|
| | % | | | date / time | |
| Total Solids | 91.2 | | 1 | 08/08/2025 15:17 | WG2575499 |

## Mercury by Method 7471B

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/kg | | mg/kg | mg/kg | | date / time | |
| Mercury | U | | 0.0226 | 0.0439 | 1 | 08/11/2025 12:17 | WG2575778 |

## Metals (ICPMS) by Method 6020B

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/kg | | mg/kg | mg/kg | | date / time | |
| Antimony | U | J6 | 0.182 | 3.29 | 5 | 08/18/2025 23:21 | WG2576187 |
| Arsenic | 2.86 | | 0.110 | 1.10 | 5 | 08/18/2025 23:21 | WG2576187 |
| Beryllium | 0.542 | J | 0.151 | 2.74 | 5 | 08/18/2025 23:21 | WG2576187 |
| Cadmium | 0.101 | J | 0.0938 | 1.10 | 5 | 08/18/2025 23:21 | WG2576187 |
| Chromium | 14.4 | | 0.325 | 5.48 | 5 | 08/18/2025 23:21 | WG2576187 |
| Copper | 30.3 | | 0.145 | 5.48 | 5 | 08/18/2025 23:21 | WG2576187 |
| Lead | 3.71 | | 0.109 | 2.19 | 5 | 08/18/2025 23:21 | WG2576187 |
| Manganese | 531 | | 1.47 | 13.7 | 25 | 08/19/2025 14:32 | WG2576187 |
| Nickel | 20.4 | | 0.216 | 2.74 | 5 | 08/18/2025 23:21 | WG2576187 |
| Selenium | 0.376 | J | 0.197 | 2.74 | 5 | 08/18/2025 23:21 | WG2576187 |
| Silver | U | | 0.0949 | 0.548 | 5 | 08/18/2025 23:21 | WG2576187 |
| Titanium | 4160 | O1 V | 0.806 | 5.48 | 5 | 08/18/2025 23:21 | WG2576187 |
| Zinc | 65.2 | | 0.812 | 27.4 | 5 | 08/18/2025 23:21 | WG2576187 |

## Total Solids by Method 2540 G-2011

| Analyte | Result | Qualifier | Dilution | Analysis | Batch |
|---|---|---|---|---|---|
| | % | | | date / time | |
| Total Solids | 89.8 | | 1 | 08/08/2025 15:17 | WG2575499 |

## Mercury by Method 7471B

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/kg | | mg/kg | mg/kg | | date / time | |
| Mercury | U | | 0.0229 | 0.0445 | 1 | 08/11/2025 12:19 | WG2575778 |

## Metals (ICPMS) by Method 6020B

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/kg | | mg/kg | mg/kg | | date / time | |
| Antimony | U | | 0.185 | 3.34 | 5 | 08/19/2025 00:12 | WG2576187 |
| Arsenic | 1.86 | | 0.111 | 1.11 | 5 | 08/19/2025 00:12 | WG2576187 |
| Beryllium | 0.700 | J | 0.154 | 2.78 | 5 | 08/19/2025 00:12 | WG2576187 |
| Cadmium | U | | 0.0952 | 1.11 | 5 | 08/19/2025 00:12 | WG2576187 |
| Chromium | 5.61 | | 0.330 | 5.57 | 5 | 08/19/2025 00:12 | WG2576187 |
| Copper | 25.6 | | 0.147 | 5.57 | 5 | 08/19/2025 00:12 | WG2576187 |
| Lead | 5.94 | | 0.110 | 2.23 | 5 | 08/19/2025 00:12 | WG2576187 |
| Manganese | 436 | | 1.49 | 13.9 | 25 | 08/19/2025 14:48 | WG2576187 |
| Nickel | 9.04 | | 0.219 | 2.78 | 5 | 08/19/2025 00:12 | WG2576187 |
| Selenium | 0.308 | J | 0.200 | 2.78 | 5 | 08/19/2025 00:12 | WG2576187 |
| Silver | U | | 0.0963 | 0.557 | 5 | 08/19/2025 00:12 | WG2576187 |
| Titanium | 7220 | | 4.10 | 27.8 | 25 | 08/19/2025 14:48 | WG2576187 |
| Zinc | 76.1 | | 0.824 | 27.8 | 5 | 08/19/2025 00:12 | WG2576187 |

## Volatile Organic Compounds (GC) by Method NWTPHGX

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/kg | | mg/kg | mg/kg | | date / time | |
| Gasoline Range Organics-NWTPH | U | | 1.68 | 3.10 | 25 | 08/06/2025 04:52 | WG2573564 |
| *(S) a,a,a-Trifluorotoluene(FID)* | *104* | | | *77.0-120* | | *08/06/2025 04:52* | WG2573564 |

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

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/kg | | mg/kg | mg/kg | | date / time | |
| Acetone | U | J4 | 0.0866 | 0.124 | 1 | 08/06/2025 12:33 | WG2573870 |
| Acrylonitrile | U | | 0.00997 | 0.0155 | 1 | 08/06/2025 12:33 | WG2573870 |
| Benzene | U | | 0.000883 | 0.00124 | 1 | 08/06/2025 12:33 | WG2573870 |
| Bromobenzene | U | | 0.00484 | 0.0155 | 1 | 08/06/2025 12:33 | WG2573870 |
| Bromodichloromethane | U | | 0.00145 | 0.00310 | 1 | 08/06/2025 12:33 | WG2573870 |
| Bromoform | U | | 0.0123 | 0.0310 | 1 | 08/06/2025 12:33 | WG2573870 |
| Bromomethane | U | | 0.0125 | 0.0155 | 1 | 08/06/2025 12:33 | WG2573870 |
| n-Butylbenzene | U | | 0.00776 | 0.0155 | 1 | 08/06/2025 12:33 | WG2573870 |
| sec-Butylbenzene | U | | 0.00476 | 0.0155 | 1 | 08/06/2025 12:33 | WG2573870 |
| tert-Butylbenzene | U | | 0.00235 | 0.00621 | 1 | 08/06/2025 12:33 | WG2573870 |
| Carbon tetrachloride | U | | 0.00374 | 0.00621 | 1 | 08/06/2025 12:33 | WG2573870 |
| Chlorobenzene | U | | 0.00107 | 0.00310 | 1 | 08/06/2025 12:33 | WG2573870 |
| Chlorodibromomethane | U | | 0.00200 | 0.00310 | 1 | 08/06/2025 12:33 | WG2573870 |
| Chloroethane | U | C3 | 0.00707 | 0.0124 | 1 | 08/06/2025 12:33 | WG2573870 |
| Chloroform | U | | 0.00201 | 0.00310 | 1 | 08/06/2025 12:33 | WG2573870 |
| Chloromethane | U | | 0.0106 | 0.0155 | 1 | 08/06/2025 12:33 | WG2573870 |
| 2-Chlorotoluene | U | | 0.00160 | 0.00310 | 1 | 08/06/2025 12:33 | WG2573870 |
| 4-Chlorotoluene | U | | 0.00191 | 0.00621 | 1 | 08/06/2025 12:33 | WG2573870 |
| 1,2-Dibromo-3-Chloropropane | U | | 0.0133 | 0.0310 | 1 | 08/06/2025 12:33 | WG2573870 |
| 1,2-Dibromoethane | U | | 0.00156 | 0.00310 | 1 | 08/06/2025 12:33 | WG2573870 |
| Dibromomethane | U | | 0.00221 | 0.00621 | 1 | 08/06/2025 12:33 | WG2573870 |

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| 1,2-Dichlorobenzene | U | | 0.00194 | 0.00621 | 1 | 08/06/2025 12:33 | WG2573870 |
| 1,3-Dichlorobenzene | U | | 0.00205 | 0.00621 | 1 | 08/06/2025 12:33 | WG2573870 |
| 1,4-Dichlorobenzene | U | | 0.00217 | 0.00621 | 1 | 08/06/2025 12:33 | WG2573870 |
| Dichlorodifluoromethane | U | | 0.00540 | 0.00621 | 1 | 08/06/2025 12:33 | WG2573870 |
| 1,1-Dichloroethane | U | | 0.00125 | 0.00310 | 1 | 08/06/2025 12:33 | WG2573870 |
| 1,2-Dichloroethane | U | | 0.00181 | 0.00310 | 1 | 08/06/2025 12:33 | WG2573870 |
| 1,1-Dichloroethene | U | | 0.00190 | 0.00310 | 1 | 08/06/2025 12:33 | WG2573870 |
| cis-1,2-Dichloroethene | U | | 0.00160 | 0.00310 | 1 | 08/06/2025 12:33 | WG2573870 |
| trans-1,2-Dichloroethene | U | | 0.00129 | 0.00621 | 1 | 08/06/2025 12:33 | WG2573870 |
| 1,2-Dichloropropane | U | | 0.00238 | 0.00621 | 1 | 08/06/2025 12:33 | WG2573870 |
| 1,1-Dichloropropene | U | | 0.00171 | 0.00621 | 1 | 08/06/2025 12:33 | WG2573870 |
| 1,3-Dichloropropane | U | | 0.00201 | 0.00621 | 1 | 08/06/2025 12:33 | WG2573870 |
| cis-1,3-Dichloropropene | U | | 0.00130 | 0.00310 | 1 | 08/06/2025 12:33 | WG2573870 |
| trans-1,3-Dichloropropene | U | | 0.00130 | 0.00621 | 1 | 08/06/2025 12:33 | WG2573870 |
| 2,2-Dichloropropane | U | | 0.00251 | 0.00310 | 1 | 08/06/2025 12:33 | WG2573870 |
| Di-isopropyl ether | U | | 0.000955 | 0.00124 | 1 | 08/06/2025 12:33 | WG2573870 |
| Ethylbenzene | U | | 0.00123 | 0.00310 | 1 | 08/06/2025 12:33 | WG2573870 |
| Hexachloro-1,3-butadiene | U | | 0.0129 | 0.0310 | 1 | 08/06/2025 12:33 | WG2573870 |
| Isopropylbenzene | U | | 0.00125 | 0.00310 | 1 | 08/06/2025 12:33 | WG2573870 |
| p-Isopropyltoluene | U | | 0.00265 | 0.00621 | 1 | 08/06/2025 12:33 | WG2573870 |
| 2-Butanone (MEK) | U | | 0.110 | 0.124 | 1 | 08/06/2025 12:33 | WG2573870 |
| Methylene Chloride | U | | 0.0137 | 0.0310 | 1 | 08/06/2025 12:33 | WG2573870 |
| 4-Methyl-2-pentanone (MIBK) | U | | 0.0123 | 0.0310 | 1 | 08/06/2025 12:33 | WG2573870 |
| Methyl tert-butyl ether | U | | 0.000960 | 0.00124 | 1 | 08/06/2025 12:33 | WG2573870 |
| Naphthalene | U | | 0.00948 | 0.0155 | 1 | 08/06/2025 12:33 | WG2573870 |
| n-Propylbenzene | U | | 0.00210 | 0.00621 | 1 | 08/06/2025 12:33 | WG2573870 |
| Styrene | U | | 0.00553 | 0.0155 | 1 | 08/06/2025 12:33 | WG2573870 |
| 1,1,1,2-Tetrachloroethane | U | | 0.00161 | 0.00310 | 1 | 08/06/2025 12:33 | WG2573870 |
| 1,1,2,2-Tetrachloroethane | U | | 0.00144 | 0.00310 | 1 | 08/06/2025 12:33 | WG2573870 |
| 1,1,2-Trichlorotrifluoroethane | U | | 0.00349 | 0.00621 | 1 | 08/06/2025 12:33 | WG2573870 |
| Tetrachloroethene | U | | 0.00189 | 0.00310 | 1 | 08/06/2025 12:33 | WG2573870 |
| Toluene | U | | 0.00359 | 0.00621 | 1 | 08/06/2025 12:33 | WG2573870 |
| 1,2,3-Trichlorobenzene | U | | 0.00868 | 0.0155 | 1 | 08/06/2025 12:33 | WG2573870 |
| 1,2,4-Trichlorobenzene | U | | 0.00673 | 0.0155 | 1 | 08/06/2025 12:33 | WG2573870 |
| 1,1,1-Trichloroethane | U | | 0.00180 | 0.00310 | 1 | 08/06/2025 12:33 | WG2573870 |
| 1,1,2-Trichloroethane | U | | 0.00166 | 0.00310 | 1 | 08/06/2025 12:33 | WG2573870 |
| Trichloroethene | U | | 0.00111 | 0.00124 | 1 | 08/06/2025 12:33 | WG2573870 |
| Trichlorofluoromethane | U | | 0.00324 | 0.00497 | 1 | 08/06/2025 12:33 | WG2573870 |
| 1,2,3-Trichloropropane | U | | 0.00760 | 0.0155 | 1 | 08/06/2025 12:33 | WG2573870 |
| 1,2,4-Trimethylbenzene | U | | 0.00296 | 0.00621 | 1 | 08/06/2025 12:33 | WG2573870 |
| 1,2,3-Trimethylbenzene | U | | 0.00226 | 0.00621 | 1 | 08/06/2025 12:33 | WG2573870 |
| 1,3,5-Trimethylbenzene | U | | 0.00283 | 0.00621 | 1 | 08/06/2025 12:33 | WG2573870 |
| Vinyl chloride | U | | 0.00250 | 0.00310 | 1 | 08/06/2025 12:33 | WG2573870 |
| Xylenes, Total | U | | 0.00348 | 0.00807 | 1 | 08/06/2025 12:33 | WG2573870 |
| *(S) Toluene-d8* | *100* | | | *75.0-131* | | *08/06/2025 12:33* | WG2573870 |
| *(S) 4-Bromofluorobenzene* | *105* | | | *67.0-138* | | *08/06/2025 12:33* | WG2573870 |
| *(S) 1,2-Dichloroethane-d4* | *95.3* | | | *70.0-130* | | *08/06/2025 12:33* | WG2573870 |

## Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Diesel Range Organics (DRO) | U | | 1.48 | 4.45 | 1 | 08/10/2025 17:25 | WG2576645 |
| Residual Range Organics (RRO) | U | | 3.71 | 11.1 | 1 | 08/10/2025 17:25 | WG2576645 |
| *(S) o-Terphenyl* | *70.3* | | | *18.0-148* | | *08/10/2025 17:25* | WG2576645 |

## Polychlorinated Biphenyls (GC) by Method 8082 A

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| PCB 1016 | U | | 0.0114 | 0.0379 | 1 | 08/10/2025 16:55 | WG2576643 |
| PCB 1221 | U | | 0.0119 | 0.0379 | 1 | 08/10/2025 16:55 | WG2576643 |
| PCB 1232 | U | | 0.0203 | 0.0379 | 1 | 08/10/2025 16:55 | WG2576643 |
| PCB 1242 | U | | 0.0112 | 0.0379 | 1 | 08/10/2025 16:55 | WG2576643 |
| PCB 1248 | U | | 0.0138 | 0.0189 | 1 | 08/10/2025 16:55 | WG2576643 |
| PCB 1254 | U | | 0.0116 | 0.0189 | 1 | 08/10/2025 16:55 | WG2576643 |
| PCB 1260 | U | | 0.0122 | 0.0189 | 1 | 08/10/2025 16:55 | WG2576643 |
| *(S) Decachlorobiphenyl* | *59.8* | | | *10.0-135* | | *08/10/2025 16:55* | WG2576643 |
| *(S) Tetrachloro-m-xylene* | *81.2* | | | *10.0-139* | | *08/10/2025 16:55* | WG2576643 |

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Anthracene | U | | 0.00181 | 0.00668 | 1 | 08/13/2025 13:14 | WG2575957 |
| Acenaphthene | U | | 0.00180 | 0.00668 | 1 | 08/13/2025 13:14 | WG2575957 |
| Acenaphthylene | U | | 0.00177 | 0.00668 | 1 | 08/13/2025 13:14 | WG2575957 |
| Benzo(a)anthracene | U | | 0.00223 | 0.00668 | 1 | 08/13/2025 13:14 | WG2575957 |
| Benzo(a)pyrene | U | | 0.00181 | 0.00668 | 1 | 08/13/2025 13:14 | WG2575957 |
| Benzo(b)fluoranthene | U | | 0.00306 | 0.00668 | 1 | 08/13/2025 13:14 | WG2575957 |
| Benzo(g,h,i)perylene | U | | 0.00215 | 0.00668 | 1 | 08/13/2025 13:14 | WG2575957 |
| Benzo(k)fluoranthene | U | | 0.00237 | 0.00668 | 1 | 08/13/2025 13:14 | WG2575957 |
| Chrysene | U | | 0.00229 | 0.00668 | 1 | 08/13/2025 13:14 | WG2575957 |
| Dibenz(a,h)anthracene | U | | 0.00224 | 0.00668 | 1 | 08/13/2025 13:14 | WG2575957 |
| Fluoranthene | U | | 0.00266 | 0.00668 | 1 | 08/13/2025 13:14 | WG2575957 |
| Fluorene | U | | 0.00200 | 0.00668 | 1 | 08/13/2025 13:14 | WG2575957 |
| Indeno(1,2,3-cd)pyrene | U | | 0.00261 | 0.00668 | 1 | 08/13/2025 13:14 | WG2575957 |
| Naphthalene | U | | 0.00645 | 0.0223 | 1 | 08/13/2025 13:14 | WG2575957 |
| Phenanthrene | U | | 0.00340 | 0.00668 | 1 | 08/13/2025 13:14 | WG2575957 |
| Pyrene | U | | 0.00228 | 0.00668 | 1 | 08/13/2025 13:14 | WG2575957 |
| 1-Methylnaphthalene | U | | 0.00244 | 0.0223 | 1 | 08/13/2025 13:14 | WG2575957 |
| 2-Methylnaphthalene | U | | 0.00636 | 0.0223 | 1 | 08/13/2025 13:14 | WG2575957 |
| 2-Chloronaphthalene | U | | 0.00144 | 0.0223 | 1 | 08/13/2025 13:14 | WG2575957 |
| *(S) p-Terphenyl-d14* | *128* | J1 | | *23.0-120* | | *08/13/2025 13:14* | WG2575957 |
| *(S) Nitrobenzene-d5* | *108* | | | *14.0-149* | | *08/13/2025 13:14* | WG2575957 |
| *(S) 2-Fluorobiphenyl* | *121* | | | *34.0-125* | | *08/13/2025 13:14* | WG2575957 |

## Total Solids by Method 2540 G-2011

| Analyte | Result | Qualifier | Dilution | Analysis | Batch |
|---|---|---|---|---|---|
| | % | | | date / time | |
| Total Solids | 93.8 | | 1 | 08/08/2025 15:17 | WG2575499 |

## Mercury by Method 7471B

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/kg | | mg/kg | mg/kg | | date / time | |
| Mercury | U | | 0.0220 | 0.0426 | 1 | 08/11/2025 12:22 | WG2575778 |

## Metals (ICPMS) by Method 6020B

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/kg | | mg/kg | mg/kg | | date / time | |
| Antimony | U | | 0.177 | 3.20 | 5 | 08/19/2025 00:15 | WG2576187 |
| Arsenic | 1.39 | | 0.107 | 1.07 | 5 | 08/19/2025 00:15 | WG2576187 |
| Beryllium | 0.554 | J | 0.147 | 2.66 | 5 | 08/19/2025 00:15 | WG2576187 |
| Cadmium | U | | 0.0911 | 1.07 | 5 | 08/19/2025 00:15 | WG2576187 |
| Chromium | 14.9 | | 0.315 | 5.33 | 5 | 08/19/2025 00:15 | WG2576187 |
| Copper | 30.6 | | 0.141 | 5.33 | 5 | 08/19/2025 00:15 | WG2576187 |
| Lead | 3.34 | | 0.106 | 2.13 | 5 | 08/19/2025 00:15 | WG2576187 |
| Manganese | 472 | | 1.43 | 13.3 | 25 | 08/19/2025 14:51 | WG2576187 |
| Nickel | 19.1 | | 0.210 | 2.66 | 5 | 08/19/2025 00:15 | WG2576187 |
| Selenium | 0.300 | J | 0.192 | 2.66 | 5 | 08/19/2025 00:15 | WG2576187 |
| Silver | U | | 0.0922 | 0.533 | 5 | 08/19/2025 00:15 | WG2576187 |
| Titanium | 3600 | | 0.783 | 5.33 | 5 | 08/19/2025 00:15 | WG2576187 |
| Zinc | 62.9 | | 0.789 | 26.6 | 5 | 08/19/2025 00:15 | WG2576187 |

## Volatile Organic Compounds (GC) by Method NWTPHGX

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/kg | | mg/kg | mg/kg | | date / time | |
| Gasoline Range Organics-NWTPH | U | | 1.70 | 3.15 | 28 | 08/06/2025 05:14 | WG2573564 |
| *(S) a,a,a-Trifluorotoluene(FID)* | *104* | | | *77.0-120* | | *08/06/2025 05:14* | WG2573564 |

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

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/kg | | mg/kg | mg/kg | | date / time | |
| Acetone | U | J4 | 0.0878 | 0.126 | 1.12 | 08/06/2025 12:51 | WG2573870 |
| Acrylonitrile | U | | 0.0101 | 0.0157 | 1.12 | 08/06/2025 12:51 | WG2573870 |
| Benzene | U | | 0.000895 | 0.00126 | 1.12 | 08/06/2025 12:51 | WG2573870 |
| Bromobenzene | U | | 0.00491 | 0.0157 | 1.12 | 08/06/2025 12:51 | WG2573870 |
| Bromodichloromethane | U | | 0.00147 | 0.00315 | 1.12 | 08/06/2025 12:51 | WG2573870 |
| Bromoform | U | | 0.0125 | 0.0315 | 1.12 | 08/06/2025 12:51 | WG2573870 |
| Bromomethane | U | | 0.0127 | 0.0157 | 1.12 | 08/06/2025 12:51 | WG2573870 |
| n-Butylbenzene | U | | 0.00787 | 0.0157 | 1.12 | 08/06/2025 12:51 | WG2573870 |
| sec-Butylbenzene | U | | 0.00482 | 0.0157 | 1.12 | 08/06/2025 12:51 | WG2573870 |
| tert-Butylbenzene | U | | 0.00238 | 0.00630 | 1.12 | 08/06/2025 12:51 | WG2573870 |
| Carbon tetrachloride | U | | 0.00379 | 0.00630 | 1.12 | 08/06/2025 12:51 | WG2573870 |
| Chlorobenzene | U | | 0.00108 | 0.00315 | 1.12 | 08/06/2025 12:51 | WG2573870 |
| Chlorodibromomethane | U | | 0.00202 | 0.00315 | 1.12 | 08/06/2025 12:51 | WG2573870 |
| Chloroethane | U | C3 | 0.00716 | 0.0126 | 1.12 | 08/06/2025 12:51 | WG2573870 |
| Chloroform | U | | 0.00204 | 0.00315 | 1.12 | 08/06/2025 12:51 | WG2573870 |
| Chloromethane | U | | 0.0107 | 0.0157 | 1.12 | 08/06/2025 12:51 | WG2573870 |
| 2-Chlorotoluene | U | | 0.00162 | 0.00315 | 1.12 | 08/06/2025 12:51 | WG2573870 |
| 4-Chlorotoluene | U | | 0.00193 | 0.00630 | 1.12 | 08/06/2025 12:51 | WG2573870 |
| 1,2-Dibromo-3-Chloropropane | U | | 0.0135 | 0.0315 | 1.12 | 08/06/2025 12:51 | WG2573870 |
| 1,2-Dibromoethane | U | | 0.00159 | 0.00315 | 1.12 | 08/06/2025 12:51 | WG2573870 |
| Dibromomethane | U | | 0.00224 | 0.00630 | 1.12 | 08/06/2025 12:51 | WG2573870 |

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| 1,2-Dichlorobenzene | U | | 0.00197 | 0.00630 | 1.12 | 08/06/2025 12:51 | WG2573870 |
| 1,3-Dichlorobenzene | U | | 0.00208 | 0.00630 | 1.12 | 08/06/2025 12:51 | WG2573870 |
| 1,4-Dichlorobenzene | U | | 0.00220 | 0.00630 | 1.12 | 08/06/2025 12:51 | WG2573870 |
| Dichlorodifluoromethane | U | | 0.00548 | 0.00630 | 1.12 | 08/06/2025 12:51 | WG2573870 |
| 1,1-Dichloroethane | U | | 0.00127 | 0.00315 | 1.12 | 08/06/2025 12:51 | WG2573870 |
| 1,2-Dichloroethane | U | | 0.00184 | 0.00315 | 1.12 | 08/06/2025 12:51 | WG2573870 |
| 1,1-Dichloroethene | U | | 0.00192 | 0.00315 | 1.12 | 08/06/2025 12:51 | WG2573870 |
| cis-1,2-Dichloroethene | U | | 0.00162 | 0.00315 | 1.12 | 08/06/2025 12:51 | WG2573870 |
| trans-1,2-Dichloroethene | U | | 0.00130 | 0.00630 | 1.12 | 08/06/2025 12:51 | WG2573870 |
| 1,2-Dichloropropane | U | | 0.00242 | 0.00630 | 1.12 | 08/06/2025 12:51 | WG2573870 |
| 1,1-Dichloropropene | U | | 0.00174 | 0.00630 | 1.12 | 08/06/2025 12:51 | WG2573870 |
| 1,3-Dichloropropane | U | | 0.00204 | 0.00630 | 1.12 | 08/06/2025 12:51 | WG2573870 |
| cis-1,3-Dichloropropene | U | | 0.00133 | 0.00315 | 1.12 | 08/06/2025 12:51 | WG2573870 |
| trans-1,3-Dichloropropene | U | | 0.00133 | 0.00630 | 1.12 | 08/06/2025 12:51 | WG2573870 |
| 2,2-Dichloropropane | U | | 0.00254 | 0.00315 | 1.12 | 08/06/2025 12:51 | WG2573870 |
| Di-isopropyl ether | U | | 0.000968 | 0.00126 | 1.12 | 08/06/2025 12:51 | WG2573870 |
| Ethylbenzene | U | | 0.00125 | 0.00315 | 1.12 | 08/06/2025 12:51 | WG2573870 |
| Hexachloro-1,3-butadiene | U | | 0.0132 | 0.0315 | 1.12 | 08/06/2025 12:51 | WG2573870 |
| Isopropylbenzene | U | | 0.00127 | 0.00315 | 1.12 | 08/06/2025 12:51 | WG2573870 |
| p-Isopropyltoluene | U | | 0.00269 | 0.00630 | 1.12 | 08/06/2025 12:51 | WG2573870 |
| 2-Butanone (MEK) | U | | 0.112 | 0.126 | 1.12 | 08/06/2025 12:51 | WG2573870 |
| Methylene Chloride | U | | 0.0138 | 0.0315 | 1.12 | 08/06/2025 12:51 | WG2573870 |
| 4-Methyl-2-pentanone (MIBK) | U | | 0.0125 | 0.0315 | 1.12 | 08/06/2025 12:51 | WG2573870 |
| Methyl tert-butyl ether | U | | 0.000974 | 0.00126 | 1.12 | 08/06/2025 12:51 | WG2573870 |
| Naphthalene | U | | 0.00961 | 0.0157 | 1.12 | 08/06/2025 12:51 | WG2573870 |
| n-Propylbenzene | U | | 0.00213 | 0.00630 | 1.12 | 08/06/2025 12:51 | WG2573870 |
| Styrene | U | | 0.00560 | 0.0157 | 1.12 | 08/06/2025 12:51 | WG2573870 |
| 1,1,1,2-Tetrachloroethane | U | | 0.00164 | 0.00315 | 1.12 | 08/06/2025 12:51 | WG2573870 |
| 1,1,2,2-Tetrachloroethane | U | | 0.00146 | 0.00315 | 1.12 | 08/06/2025 12:51 | WG2573870 |
| 1,1,2-Trichlorotrifluoroethane | U | | 0.00354 | 0.00630 | 1.12 | 08/06/2025 12:51 | WG2573870 |
| Tetrachloroethene | U | | 0.00191 | 0.00315 | 1.12 | 08/06/2025 12:51 | WG2573870 |
| Toluene | U | | 0.00364 | 0.00630 | 1.12 | 08/06/2025 12:51 | WG2573870 |
| 1,2,3-Trichlorobenzene | U | | 0.00881 | 0.0157 | 1.12 | 08/06/2025 12:51 | WG2573870 |
| 1,2,4-Trichlorobenzene | U | | 0.00683 | 0.0157 | 1.12 | 08/06/2025 12:51 | WG2573870 |
| 1,1,1-Trichloroethane | U | | 0.00182 | 0.00315 | 1.12 | 08/06/2025 12:51 | WG2573870 |
| 1,1,2-Trichloroethane | U | | 0.00169 | 0.00315 | 1.12 | 08/06/2025 12:51 | WG2573870 |
| Trichloroethene | U | | 0.00112 | 0.00126 | 1.12 | 08/06/2025 12:51 | WG2573870 |
| Trichlorofluoromethane | U | | 0.00328 | 0.00504 | 1.12 | 08/06/2025 12:51 | WG2573870 |
| 1,2,3-Trichloropropane | U | | 0.00770 | 0.0157 | 1.12 | 08/06/2025 12:51 | WG2573870 |
| 1,2,4-Trimethylbenzene | U | | 0.00300 | 0.00630 | 1.12 | 08/06/2025 12:51 | WG2573870 |
| 1,2,3-Trimethylbenzene | U | | 0.00229 | 0.00630 | 1.12 | 08/06/2025 12:51 | WG2573870 |
| 1,3,5-Trimethylbenzene | U | | 0.00287 | 0.00630 | 1.12 | 08/06/2025 12:51 | WG2573870 |
| Vinyl chloride | U | | 0.00253 | 0.00315 | 1.12 | 08/06/2025 12:51 | WG2573870 |
| Xylenes, Total | U | | 0.00353 | 0.00819 | 1.12 | 08/06/2025 12:51 | WG2573870 |
| *(S) Toluene-d8* | *97.1* | | | *75.0-131* | | *08/06/2025 12:51* | WG2573870 |
| *(S) 4-Bromofluorobenzene* | *106* | | | *67.0-138* | | *08/06/2025 12:51* | WG2573870 |
| *(S) 1,2-Dichloroethane-d4* | *91.1* | | | *70.0-130* | | *08/06/2025 12:51* | WG2573870 |

## Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Diesel Range Organics (DRO) | U | | 1.42 | 4.26 | 1 | 08/11/2025 12:24 | WG2576655 |
| Residual Range Organics (RRO) | U | | 3.55 | 10.7 | 1 | 08/11/2025 12:24 | WG2576655 |
| *(S) o-Terphenyl* | *63.7* | | | *18.0-148* | | *08/11/2025 12:24* | WG2576655 |

## Polychlorinated Biphenyls (GC) by Method 8082 A

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| PCB 1016 | U | | 0.0109 | 0.0362 | 1 | 08/10/2025 17:04 | WG2576643 |
| PCB 1221 | U | | 0.0114 | 0.0362 | 1 | 08/10/2025 17:04 | WG2576643 |
| PCB 1232 | U | | 0.0194 | 0.0362 | 1 | 08/10/2025 17:04 | WG2576643 |
| PCB 1242 | U | | 0.0108 | 0.0362 | 1 | 08/10/2025 17:04 | WG2576643 |
| PCB 1248 | U | | 0.0132 | 0.0181 | 1 | 08/10/2025 17:04 | WG2576643 |
| PCB 1254 | U | | 0.0111 | 0.0181 | 1 | 08/10/2025 17:04 | WG2576643 |
| PCB 1260 | U | | 0.0117 | 0.0181 | 1 | 08/10/2025 17:04 | WG2576643 |
| *(S) Decachlorobiphenyl* | *58.7* | | | *10.0-135* | | *08/10/2025 17:04* | WG2576643 |
| *(S) Tetrachloro-m-xylene* | *77.2* | | | *10.0-139* | | *08/10/2025 17:04* | WG2576643 |

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Anthracene | U | | 0.00174 | 0.00639 | 1 | 08/13/2025 13:31 | WG2575957 |
| Acenaphthene | U | | 0.00173 | 0.00639 | 1 | 08/13/2025 13:31 | WG2575957 |
| Acenaphthylene | U | | 0.00169 | 0.00639 | 1 | 08/13/2025 13:31 | WG2575957 |
| Benzo(a)anthracene | U | | 0.00213 | 0.00639 | 1 | 08/13/2025 13:31 | WG2575957 |
| Benzo(a)pyrene | U | | 0.00174 | 0.00639 | 1 | 08/13/2025 13:31 | WG2575957 |
| Benzo(b)fluoranthene | U | | 0.00293 | 0.00639 | 1 | 08/13/2025 13:31 | WG2575957 |
| Benzo(g,h,i)perylene | U | | 0.00206 | 0.00639 | 1 | 08/13/2025 13:31 | WG2575957 |
| Benzo(k)fluoranthene | U | | 0.00227 | 0.00639 | 1 | 08/13/2025 13:31 | WG2575957 |
| Chrysene | U | | 0.00220 | 0.00639 | 1 | 08/13/2025 13:31 | WG2575957 |
| Dibenz(a,h)anthracene | U | | 0.00214 | 0.00639 | 1 | 08/13/2025 13:31 | WG2575957 |
| Fluoranthene | U | | 0.00255 | 0.00639 | 1 | 08/13/2025 13:31 | WG2575957 |
| Fluorene | U | | 0.00192 | 0.00639 | 1 | 08/13/2025 13:31 | WG2575957 |
| Indeno(1,2,3-cd)pyrene | U | | 0.00249 | 0.00639 | 1 | 08/13/2025 13:31 | WG2575957 |
| Naphthalene | U | | 0.00617 | 0.0213 | 1 | 08/13/2025 13:31 | WG2575957 |
| Phenanthrene | U | | 0.00325 | 0.00639 | 1 | 08/13/2025 13:31 | WG2575957 |
| Pyrene | U | | 0.00218 | 0.00639 | 1 | 08/13/2025 13:31 | WG2575957 |
| 1-Methylnaphthalene | U | | 0.00233 | 0.0213 | 1 | 08/13/2025 13:31 | WG2575957 |
| 2-Methylnaphthalene | U | | 0.00609 | 0.0213 | 1 | 08/13/2025 13:31 | WG2575957 |
| 2-Chloronaphthalene | U | | 0.00137 | 0.0213 | 1 | 08/13/2025 13:31 | WG2575957 |
| *(S) p-Terphenyl-d14* | *135* | J1 | | *23.0-120* | | *08/13/2025 13:31* | WG2575957 |
| *(S) Nitrobenzene-d5* | *113* | | | *14.0-149* | | *08/13/2025 13:31* | WG2575957 |
| *(S) 2-Fluorobiphenyl* | *129* | J1 | | *34.0-125* | | *08/13/2025 13:31* | WG2575957 |

## Total Solids by Method 2540 G-2011

| Analyte | Result | Qualifier | Dilution | Analysis | Batch |
|---|---|---|---|---|---|
| | % | | | date / time | |
| Total Solids | 91.6 | | 1 | 08/08/2025 15:17 | WG2575499 |

## Mercury by Method 7471B

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/kg | | mg/kg | mg/kg | | date / time | |
| Mercury | U | | 0.0225 | 0.0437 | 1 | 08/11/2025 12:25 | WG2575778 |

## Metals (ICPMS) by Method 6020B

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/kg | | mg/kg | mg/kg | | date / time | |
| Antimony | U | | 0.181 | 3.27 | 5 | 08/19/2025 00:19 | WG2576187 |
| Arsenic | 2.80 | | 0.109 | 1.09 | 5 | 08/19/2025 00:19 | WG2576187 |
| Beryllium | 0.658 | J | 0.151 | 2.73 | 5 | 08/19/2025 00:19 | WG2576187 |
| Cadmium | 0.124 | J | 0.0933 | 1.09 | 5 | 08/19/2025 00:19 | WG2576187 |
| Chromium | 13.3 | | 0.323 | 5.46 | 5 | 08/19/2025 00:19 | WG2576187 |
| Copper | 31.6 | | 0.144 | 5.46 | 5 | 08/19/2025 00:19 | WG2576187 |
| Lead | 4.50 | | 0.108 | 2.18 | 5 | 08/19/2025 00:19 | WG2576187 |
| Manganese | 579 | | 1.46 | 13.6 | 25 | 08/19/2025 14:54 | WG2576187 |
| Nickel | 20.9 | | 0.215 | 2.73 | 5 | 08/19/2025 00:19 | WG2576187 |
| Selenium | 0.501 | J | 0.196 | 2.73 | 5 | 08/19/2025 00:19 | WG2576187 |
| Silver | U | | 0.0944 | 0.546 | 5 | 08/19/2025 00:19 | WG2576187 |
| Titanium | 4960 | | 4.02 | 27.3 | 25 | 08/19/2025 14:54 | WG2576187 |
| Zinc | 82.5 | | 0.808 | 27.3 | 5 | 08/19/2025 00:19 | WG2576187 |

## Total Solids by Method 2540 G-2011

| Analyte | Result | Qualifier | Dilution | Analysis | Batch |
|---|---|---|---|---|---|
| | % | | | date / time | |
| Total Solids | 96.9 | | 1 | 08/08/2025 15:17 | WG2575499 |

## Mercury by Method 7471B

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/kg | | mg/kg | mg/kg | | date / time | |
| Mercury | U | | 0.0213 | 0.0413 | 1 | 08/11/2025 12:27 | WG2575778 |

## Metals (ICPMS) by Method 6020B

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/kg | | mg/kg | mg/kg | | date / time | |
| Antimony | 0.671 | J | 0.171 | 3.10 | 5 | 08/19/2025 00:22 | WG2576187 |
| Arsenic | 4.29 | | 0.103 | 1.03 | 5 | 08/19/2025 00:22 | WG2576187 |
| Beryllium | 0.390 | J | 0.142 | 2.58 | 5 | 08/19/2025 00:22 | WG2576187 |
| Cadmium | 8.62 | | 0.0883 | 1.03 | 5 | 08/19/2025 00:22 | WG2576187 |
| Chromium | 24.5 | | 0.306 | 5.16 | 5 | 08/19/2025 00:22 | WG2576187 |
| Copper | 53.5 | | 0.136 | 5.16 | 5 | 08/19/2025 00:22 | WG2576187 |
| Lead | 245 | | 0.511 | 10.3 | 25 | 08/19/2025 14:57 | WG2576187 |
| Manganese | 607 | | 1.38 | 12.9 | 25 | 08/19/2025 14:57 | WG2576187 |
| Nickel | 23.4 | | 0.203 | 2.58 | 5 | 08/19/2025 00:22 | WG2576187 |
| Selenium | 0.396 | J | 0.186 | 2.58 | 5 | 08/19/2025 00:22 | WG2576187 |
| Silver | 0.167 | J | 0.0893 | 0.516 | 5 | 08/19/2025 00:22 | WG2576187 |
| Titanium | 3690 | | 0.759 | 5.16 | 5 | 08/19/2025 00:22 | WG2576187 |
| Zinc | 4100 | | 30.6 | 1030 | 200 | 08/19/2025 15:01 | WG2576187 |

## Volatile Organic Compounds (GC) by Method NWTPHGX

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/kg | | mg/kg | mg/kg | | date / time | |
| Gasoline Range Organics-NWTPH | 1.57 | J | 1.44 | 2.66 | 25 | 08/06/2025 05:37 | WG2573564 |
| *(S) a,a,a-Trifluorotoluene(FID)* | *104* | | | *77.0-120* | | *08/06/2025 05:37* | WG2573564 |

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

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/kg | | mg/kg | mg/kg | | date / time | |
| Acetone | U | J4 | 0.0743 | 0.107 | 1 | 08/06/2025 13:10 | WG2573870 |
| Acrylonitrile | U | | 0.00855 | 0.0133 | 1 | 08/06/2025 13:10 | WG2573870 |
| Benzene | 0.00577 | | 0.000757 | 0.00107 | 1 | 08/06/2025 13:10 | WG2573870 |
| Bromobenzene | U | | 0.00415 | 0.0133 | 1 | 08/06/2025 13:10 | WG2573870 |
| Bromodichloromethane | U | | 0.00125 | 0.00266 | 1 | 08/06/2025 13:10 | WG2573870 |
| Bromoform | U | | 0.0106 | 0.0266 | 1 | 08/06/2025 13:10 | WG2573870 |
| Bromomethane | U | | 0.0108 | 0.0133 | 1 | 08/06/2025 13:10 | WG2573870 |
| n-Butylbenzene | U | | 0.00666 | 0.0133 | 1 | 08/06/2025 13:10 | WG2573870 |
| sec-Butylbenzene | U | | 0.00408 | 0.0133 | 1 | 08/06/2025 13:10 | WG2573870 |
| tert-Butylbenzene | U | | 0.00201 | 0.00533 | 1 | 08/06/2025 13:10 | WG2573870 |
| Carbon tetrachloride | U | | 0.00321 | 0.00533 | 1 | 08/06/2025 13:10 | WG2573870 |
| Chlorobenzene | U | | 0.000914 | 0.00266 | 1 | 08/06/2025 13:10 | WG2573870 |
| Chlorodibromomethane | U | | 0.00172 | 0.00266 | 1 | 08/06/2025 13:10 | WG2573870 |
| Chloroethane | U | C3 | 0.00606 | 0.0107 | 1 | 08/06/2025 13:10 | WG2573870 |
| Chloroform | U | | 0.00173 | 0.00266 | 1 | 08/06/2025 13:10 | WG2573870 |
| Chloromethane | U | | 0.00906 | 0.0133 | 1 | 08/06/2025 13:10 | WG2573870 |
| 2-Chlorotoluene | U | | 0.00137 | 0.00266 | 1 | 08/06/2025 13:10 | WG2573870 |
| 4-Chlorotoluene | U | | 0.00164 | 0.00533 | 1 | 08/06/2025 13:10 | WG2573870 |
| 1,2-Dibromo-3-Chloropropane | U | | 0.0114 | 0.0266 | 1 | 08/06/2025 13:10 | WG2573870 |
| 1,2-Dibromoethane | U | | 0.00134 | 0.00266 | 1 | 08/06/2025 13:10 | WG2573870 |
| Dibromomethane | U | | 0.00190 | 0.00533 | 1 | 08/06/2025 13:10 | WG2573870 |

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| 1,2-Dichlorobenzene | U | | 0.00166 | 0.00533 | 1 | 08/06/2025 13:10 | WG2573870 |
| 1,3-Dichlorobenzene | U | | 0.00176 | 0.00533 | 1 | 08/06/2025 13:10 | WG2573870 |
| 1,4-Dichlorobenzene | U | | 0.00186 | 0.00533 | 1 | 08/06/2025 13:10 | WG2573870 |
| Dichlorodifluoromethane | U | | 0.00463 | 0.00533 | 1 | 08/06/2025 13:10 | WG2573870 |
| 1,1-Dichloroethane | U | | 0.00108 | 0.00266 | 1 | 08/06/2025 13:10 | WG2573870 |
| 1,2-Dichloroethane | U | | 0.00156 | 0.00266 | 1 | 08/06/2025 13:10 | WG2573870 |
| 1,1-Dichloroethene | U | | 0.00163 | 0.00266 | 1 | 08/06/2025 13:10 | WG2573870 |
| cis-1,2-Dichloroethene | U | | 0.00137 | 0.00266 | 1 | 08/06/2025 13:10 | WG2573870 |
| trans-1,2-Dichloroethene | U | | 0.00111 | 0.00533 | 1 | 08/06/2025 13:10 | WG2573870 |
| 1,2-Dichloropropane | U | | 0.00205 | 0.00533 | 1 | 08/06/2025 13:10 | WG2573870 |
| 1,1-Dichloropropene | U | | 0.00147 | 0.00533 | 1 | 08/06/2025 13:10 | WG2573870 |
| 1,3-Dichloropropane | U | | 0.00173 | 0.00533 | 1 | 08/06/2025 13:10 | WG2573870 |
| cis-1,3-Dichloropropene | U | | 0.00112 | 0.00266 | 1 | 08/06/2025 13:10 | WG2573870 |
| trans-1,3-Dichloropropene | U | | 0.00112 | 0.00533 | 1 | 08/06/2025 13:10 | WG2573870 |
| 2,2-Dichloropropane | U | | 0.00215 | 0.00266 | 1 | 08/06/2025 13:10 | WG2573870 |
| Di-isopropyl ether | U | | 0.000819 | 0.00107 | 1 | 08/06/2025 13:10 | WG2573870 |
| Ethylbenzene | 0.00651 | | 0.00105 | 0.00266 | 1 | 08/06/2025 13:10 | WG2573870 |
| Hexachloro-1,3-butadiene | U | | 0.0111 | 0.0266 | 1 | 08/06/2025 13:10 | WG2573870 |
| Isopropylbenzene | 0.00240 | J | 0.00108 | 0.00266 | 1 | 08/06/2025 13:10 | WG2573870 |
| p-Isopropyltoluene | 0.00300 | J | 0.00227 | 0.00533 | 1 | 08/06/2025 13:10 | WG2573870 |
| 2-Butanone (MEK) | U | | 0.0945 | 0.107 | 1 | 08/06/2025 13:10 | WG2573870 |
| Methylene Chloride | U | | 0.0117 | 0.0266 | 1 | 08/06/2025 13:10 | WG2573870 |
| 4-Methyl-2-pentanone (MIBK) | U | | 0.0106 | 0.0266 | 1 | 08/06/2025 13:10 | WG2573870 |
| Methyl tert-butyl ether | U | | 0.000824 | 0.00107 | 1 | 08/06/2025 13:10 | WG2573870 |
| Naphthalene | 0.0870 | | 0.00813 | 0.0133 | 1 | 08/06/2025 13:10 | WG2573870 |
| n-Propylbenzene | 0.00234 | J | 0.00180 | 0.00533 | 1 | 08/06/2025 13:10 | WG2573870 |
| Styrene | U | | 0.00474 | 0.0133 | 1 | 08/06/2025 13:10 | WG2573870 |
| 1,1,1,2-Tetrachloroethane | U | | 0.00138 | 0.00266 | 1 | 08/06/2025 13:10 | WG2573870 |
| 1,1,2,2-Tetrachloroethane | U | | 0.00124 | 0.00266 | 1 | 08/06/2025 13:10 | WG2573870 |
| 1,1,2-Trichlorotrifluoroethane | U | | 0.00299 | 0.00533 | 1 | 08/06/2025 13:10 | WG2573870 |
| Tetrachloroethene | U | | 0.00162 | 0.00266 | 1 | 08/06/2025 13:10 | WG2573870 |
| Toluene | 0.0373 | | 0.00308 | 0.00533 | 1 | 08/06/2025 13:10 | WG2573870 |
| 1,2,3-Trichlorobenzene | U | | 0.00745 | 0.0133 | 1 | 08/06/2025 13:10 | WG2573870 |
| 1,2,4-Trichlorobenzene | U | | 0.00577 | 0.0133 | 1 | 08/06/2025 13:10 | WG2573870 |
| 1,1,1-Trichloroethane | U | | 0.00154 | 0.00266 | 1 | 08/06/2025 13:10 | WG2573870 |
| 1,1,2-Trichloroethane | U | | 0.00143 | 0.00266 | 1 | 08/06/2025 13:10 | WG2573870 |
| Trichloroethene | U | | 0.000949 | 0.00107 | 1 | 08/06/2025 13:10 | WG2573870 |
| Trichlorofluoromethane | U | | 0.00278 | 0.00426 | 1 | 08/06/2025 13:10 | WG2573870 |
| 1,2,3-Trichloropropane | U | | 0.00652 | 0.0133 | 1 | 08/06/2025 13:10 | WG2573870 |
| 1,2,4-Trimethylbenzene | 0.0246 | | 0.00254 | 0.00533 | 1 | 08/06/2025 13:10 | WG2573870 |
| 1,2,3-Trimethylbenzene | 0.0158 | | 0.00194 | 0.00533 | 1 | 08/06/2025 13:10 | WG2573870 |
| 1,3,5-Trimethylbenzene | 0.00593 | | 0.00243 | 0.00533 | 1 | 08/06/2025 13:10 | WG2573870 |
| Vinyl chloride | U | | 0.00214 | 0.00266 | 1 | 08/06/2025 13:10 | WG2573870 |
| Xylenes, Total | 0.0827 | | 0.00298 | 0.00692 | 1 | 08/06/2025 13:10 | WG2573870 |
| *(S) Toluene-d8* | *98.9* | | | *75.0-131* | | *08/06/2025 13:10* | WG2573870 |
| *(S) 4-Bromofluorobenzene* | *110* | | | *67.0-138* | | *08/06/2025 13:10* | WG2573870 |
| *(S) 1,2-Dichloroethane-d4* | *98.2* | | | *70.0-130* | | *08/06/2025 13:10* | WG2573870 |

## Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Diesel Range Organics (DRO) | U | | 275 | 826 | 200 | 08/11/2025 19:16 | WG2576655 |
| Residual Range Organics (RRO) | 3220 | | 688 | 2060 | 200 | 08/11/2025 19:16 | WG2576655 |
| *(S) o-Terphenyl* | *0.000* | J7 | | *18.0-148* | | *08/11/2025 19:16* | WG2576655 |

Sample Narrative:

## Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| L1884546-13 WG2576655: Cannot run at lower dilution due to viscosity of extract | | | | | | | |

## Polychlorinated Biphenyls (GC) by Method 8082 A

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| PCB 1016 | U | | 0.0105 | 0.0351 | 1 | 08/10/2025 17:14 | WG2576643 |
| PCB 1221 | U | | 0.0110 | 0.0351 | 1 | 08/10/2025 17:14 | WG2576643 |
| PCB 1232 | U | | 0.0188 | 0.0351 | 1 | 08/10/2025 17:14 | WG2576643 |
| PCB 1242 | 0.247 | | 0.0104 | 0.0351 | 1 | 08/10/2025 17:14 | WG2576643 |
| PCB 1248 | U | | 0.0128 | 0.0176 | 1 | 08/10/2025 17:14 | WG2576643 |
| PCB 1254 | U | | 0.0107 | 0.0176 | 1 | 08/10/2025 17:14 | WG2576643 |
| PCB 1260 | 0.0507 | P | 0.0114 | 0.0176 | 1 | 08/10/2025 17:14 | WG2576643 |
| *(S) Decachlorobiphenyl* | *41.5* | | | *10.0-135* | | *08/10/2025 17:14* | WG2576643 |
| *(S) Tetrachloro-m-xylene* | *64.1* | | | *10.0-139* | | *08/10/2025 17:14* | WG2576643 |

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Anthracene | 0.00221 | J | 0.00168 | 0.00619 | 1 | 08/12/2025 04:58 | WG2575960 |
| Acenaphthene | U | | 0.00167 | 0.00619 | 1 | 08/12/2025 04:58 | WG2575960 |
| Acenaphthylene | 0.00286 | J | 0.00164 | 0.00619 | 1 | 08/12/2025 04:58 | WG2575960 |
| Benzo(a)anthracene | 0.0133 | | 0.00206 | 0.00619 | 1 | 08/12/2025 04:58 | WG2575960 |
| Benzo(a)pyrene | 0.0219 | | 0.00168 | 0.00619 | 1 | 08/12/2025 04:58 | WG2575960 |
| Benzo(b)fluoranthene | 0.0350 | | 0.00284 | 0.00619 | 1 | 08/12/2025 04:58 | WG2575960 |
| Benzo(g,h,i)perylene | 0.0456 | | 0.00199 | 0.00619 | 1 | 08/12/2025 04:58 | WG2575960 |
| Benzo(k)fluoranthene | 0.00424 | J | 0.00220 | 0.00619 | 1 | 08/12/2025 04:58 | WG2575960 |
| Chrysene | 0.0239 | | 0.00213 | 0.00619 | 1 | 08/12/2025 04:58 | WG2575960 |
| Dibenz(a,h)anthracene | U | | 0.00208 | 0.00619 | 1 | 08/12/2025 04:58 | WG2575960 |
| Fluoranthene | 0.0255 | | 0.00247 | 0.00619 | 1 | 08/12/2025 04:58 | WG2575960 |
| Fluorene | U | | 0.00186 | 0.00619 | 1 | 08/12/2025 04:58 | WG2575960 |
| Indeno(1,2,3-cd)pyrene | U | | 0.00242 | 0.00619 | 1 | 08/12/2025 04:58 | WG2575960 |
| Naphthalene | 0.0146 | J | 0.00598 | 0.0206 | 1 | 08/12/2025 04:58 | WG2575960 |
| Phenanthrene | 0.0172 | | 0.00315 | 0.00619 | 1 | 08/12/2025 04:58 | WG2575960 |
| Pyrene | 0.0299 | | 0.00212 | 0.00619 | 1 | 08/12/2025 04:58 | WG2575960 |
| 1-Methylnaphthalene | 0.00792 | J | 0.00226 | 0.0206 | 1 | 08/12/2025 04:58 | WG2575960 |
| 2-Methylnaphthalene | 0.0108 | J | 0.00590 | 0.0206 | 1 | 08/12/2025 04:58 | WG2575960 |
| 2-Chloronaphthalene | U | | 0.00133 | 0.0206 | 1 | 08/12/2025 04:58 | WG2575960 |
| *(S) p-Terphenyl-d14* | *90.4* | | | *23.0-120* | | *08/12/2025 04:58* | WG2575960 |
| *(S) Nitrobenzene-d5* | *103* | | | *14.0-149* | | *08/12/2025 04:58* | WG2575960 |
| *(S) 2-Fluorobiphenyl* | *88.9* | | | *34.0-125* | | *08/12/2025 04:58* | WG2575960 |

## Total Solids by Method 2540 G-2011

| Analyte | Result | Qualifier | Dilution | Analysis | Batch |
|---|---|---|---|---|---|
| | % | | | date / time | |
| Total Solids | 91.0 | | 1 | 08/08/2025 15:17 | WG2575499 |

## Mercury by Method 7471B

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/kg | | mg/kg | mg/kg | | date / time | |
| Mercury | U | | 0.0226 | 0.0439 | 1 | 08/11/2025 12:30 | WG2575778 |

## Metals (ICPMS) by Method 6020B

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/kg | | mg/kg | mg/kg | | date / time | |
| Antimony | U | | 0.182 | 3.30 | 5 | 08/19/2025 00:25 | WG2576187 |
| Arsenic | 1.63 | | 0.110 | 1.10 | 5 | 08/19/2025 00:25 | WG2576187 |
| Beryllium | 0.461 | J | 0.152 | 2.75 | 5 | 08/19/2025 00:25 | WG2576187 |
| Cadmium | 0.119 | J | 0.0939 | 1.10 | 5 | 08/19/2025 00:25 | WG2576187 |
| Chromium | 11.6 | | 0.325 | 5.49 | 5 | 08/19/2025 00:25 | WG2576187 |
| Copper | 30.9 | | 0.145 | 5.49 | 5 | 08/19/2025 00:25 | WG2576187 |
| Lead | 3.53 | | 0.109 | 2.20 | 5 | 08/19/2025 00:25 | WG2576187 |
| Manganese | 419 | | 1.47 | 13.7 | 25 | 08/19/2025 15:16 | WG2576187 |
| Nickel | 22.5 | | 0.216 | 2.75 | 5 | 08/19/2025 00:25 | WG2576187 |
| Selenium | 0.319 | J | 0.198 | 2.75 | 5 | 08/19/2025 00:25 | WG2576187 |
| Silver | U | | 0.0950 | 0.549 | 5 | 08/19/2025 00:25 | WG2576187 |
| Titanium | 4040 | | 0.807 | 5.49 | 5 | 08/19/2025 00:25 | WG2576187 |
| Zinc | 65.9 | | 0.813 | 27.5 | 5 | 08/19/2025 00:25 | WG2576187 |

## Volatile Organic Compounds (GC) by Method NWTPHGX

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/kg | | mg/kg | mg/kg | | date / time | |
| Gasoline Range Organics-NWTPH | U | | 1.75 | 3.25 | 27.3 | 08/06/2025 05:59 | WG2573564 |
| *(S) a,a,a-Trifluorotoluene(FID)* | *104* | | | *77.0-120* | | *08/06/2025 05:59* | WG2573564 |

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

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/kg | | mg/kg | mg/kg | | date / time | |
| Acetone | 0.138 | C5 J4 | 0.0903 | 0.130 | 1.09 | 08/06/2025 13:29 | WG2573870 |
| Acrylonitrile | U | | 0.0104 | 0.0162 | 1.09 | 08/06/2025 13:29 | WG2573870 |
| Benzene | U | | 0.000921 | 0.00130 | 1.09 | 08/06/2025 13:29 | WG2573870 |
| Bromobenzene | U | | 0.00505 | 0.0162 | 1.09 | 08/06/2025 13:29 | WG2573870 |
| Bromodichloromethane | U | | 0.00152 | 0.00325 | 1.09 | 08/06/2025 13:29 | WG2573870 |
| Bromoform | U | | 0.0128 | 0.0325 | 1.09 | 08/06/2025 13:29 | WG2573870 |
| Bromomethane | U | | 0.0131 | 0.0162 | 1.09 | 08/06/2025 13:29 | WG2573870 |
| n-Butylbenzene | U | | 0.00809 | 0.0162 | 1.09 | 08/06/2025 13:29 | WG2573870 |
| sec-Butylbenzene | U | | 0.00496 | 0.0162 | 1.09 | 08/06/2025 13:29 | WG2573870 |
| tert-Butylbenzene | U | | 0.00245 | 0.00648 | 1.09 | 08/06/2025 13:29 | WG2573870 |
| Carbon tetrachloride | U | | 0.00390 | 0.00648 | 1.09 | 08/06/2025 13:29 | WG2573870 |
| Chlorobenzene | U | | 0.00111 | 0.00325 | 1.09 | 08/06/2025 13:29 | WG2573870 |
| Chlorodibromomethane | U | | 0.00208 | 0.00325 | 1.09 | 08/06/2025 13:29 | WG2573870 |
| Chloroethane | U | C3 | 0.00737 | 0.0130 | 1.09 | 08/06/2025 13:29 | WG2573870 |
| Chloroform | U | | 0.00210 | 0.00325 | 1.09 | 08/06/2025 13:29 | WG2573870 |
| Chloromethane | U | | 0.0110 | 0.0162 | 1.09 | 08/06/2025 13:29 | WG2573870 |
| 2-Chlorotoluene | U | | 0.00168 | 0.00325 | 1.09 | 08/06/2025 13:29 | WG2573870 |
| 4-Chlorotoluene | U | | 0.00200 | 0.00648 | 1.09 | 08/06/2025 13:29 | WG2573870 |
| 1,2-Dibromo-3-Chloropropane | U | | 0.0139 | 0.0325 | 1.09 | 08/06/2025 13:29 | WG2573870 |
| 1,2-Dibromoethane | U | | 0.00163 | 0.00325 | 1.09 | 08/06/2025 13:29 | WG2573870 |
| Dibromomethane | U | | 0.00231 | 0.00648 | 1.09 | 08/06/2025 13:29 | WG2573870 |

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| 1,2-Dichlorobenzene | U | | 0.00202 | 0.00648 | 1.09 | 08/06/2025 13:29 | WG2573870 |
| 1,3-Dichlorobenzene | U | | 0.00214 | 0.00648 | 1.09 | 08/06/2025 13:29 | WG2573870 |
| 1,4-Dichlorobenzene | U | | 0.00227 | 0.00648 | 1.09 | 08/06/2025 13:29 | WG2573870 |
| Dichlorodifluoromethane | U | | 0.00563 | 0.00648 | 1.09 | 08/06/2025 13:29 | WG2573870 |
| 1,1-Dichloroethane | U | | 0.00131 | 0.00325 | 1.09 | 08/06/2025 13:29 | WG2573870 |
| 1,2-Dichloroethane | U | | 0.00189 | 0.00325 | 1.09 | 08/06/2025 13:29 | WG2573870 |
| 1,1-Dichloroethene | U | | 0.00199 | 0.00325 | 1.09 | 08/06/2025 13:29 | WG2573870 |
| cis-1,2-Dichloroethene | U | | 0.00168 | 0.00325 | 1.09 | 08/06/2025 13:29 | WG2573870 |
| trans-1,2-Dichloroethene | U | | 0.00134 | 0.00648 | 1.09 | 08/06/2025 13:29 | WG2573870 |
| 1,2-Dichloropropane | U | | 0.00248 | 0.00648 | 1.09 | 08/06/2025 13:29 | WG2573870 |
| 1,1-Dichloropropene | U | | 0.00178 | 0.00648 | 1.09 | 08/06/2025 13:29 | WG2573870 |
| 1,3-Dichloropropane | U | | 0.00210 | 0.00648 | 1.09 | 08/06/2025 13:29 | WG2573870 |
| cis-1,3-Dichloropropene | U | | 0.00136 | 0.00325 | 1.09 | 08/06/2025 13:29 | WG2573870 |
| trans-1,3-Dichloropropene | U | | 0.00136 | 0.00648 | 1.09 | 08/06/2025 13:29 | WG2573870 |
| 2,2-Dichloropropane | U | | 0.00262 | 0.00325 | 1.09 | 08/06/2025 13:29 | WG2573870 |
| Di-isopropyl ether | U | | 0.000996 | 0.00130 | 1.09 | 08/06/2025 13:29 | WG2573870 |
| Ethylbenzene | U | | 0.00128 | 0.00325 | 1.09 | 08/06/2025 13:29 | WG2573870 |
| Hexachloro-1,3-butadiene | U | | 0.0136 | 0.0325 | 1.09 | 08/06/2025 13:29 | WG2573870 |
| Isopropylbenzene | U | | 0.00131 | 0.00325 | 1.09 | 08/06/2025 13:29 | WG2573870 |
| p-Isopropyltoluene | U | | 0.00276 | 0.00648 | 1.09 | 08/06/2025 13:29 | WG2573870 |
| 2-Butanone (MEK) | U | | 0.115 | 0.130 | 1.09 | 08/06/2025 13:29 | WG2573870 |
| Methylene Chloride | U | | 0.0143 | 0.0325 | 1.09 | 08/06/2025 13:29 | WG2573870 |
| 4-Methyl-2-pentanone (MIBK) | U | | 0.0128 | 0.0325 | 1.09 | 08/06/2025 13:29 | WG2573870 |
| Methyl tert-butyl ether | U | | 0.00100 | 0.00130 | 1.09 | 08/06/2025 13:29 | WG2573870 |
| Naphthalene | U | | 0.00989 | 0.0162 | 1.09 | 08/06/2025 13:29 | WG2573870 |
| n-Propylbenzene | U | | 0.00219 | 0.00648 | 1.09 | 08/06/2025 13:29 | WG2573870 |
| Styrene | U | | 0.00576 | 0.0162 | 1.09 | 08/06/2025 13:29 | WG2573870 |
| 1,1,1,2-Tetrachloroethane | U | | 0.00169 | 0.00325 | 1.09 | 08/06/2025 13:29 | WG2573870 |
| 1,1,2,2-Tetrachloroethane | U | | 0.00150 | 0.00325 | 1.09 | 08/06/2025 13:29 | WG2573870 |
| 1,1,2-Trichlorotrifluoroethane | U | | 0.00364 | 0.00648 | 1.09 | 08/06/2025 13:29 | WG2573870 |
| Tetrachloroethene | U | | 0.00197 | 0.00325 | 1.09 | 08/06/2025 13:29 | WG2573870 |
| Toluene | U | | 0.00374 | 0.00648 | 1.09 | 08/06/2025 13:29 | WG2573870 |
| 1,2,3-Trichlorobenzene | U | | 0.00906 | 0.0162 | 1.09 | 08/06/2025 13:29 | WG2573870 |
| 1,2,4-Trichlorobenzene | U | | 0.00702 | 0.0162 | 1.09 | 08/06/2025 13:29 | WG2573870 |
| 1,1,1-Trichloroethane | U | | 0.00188 | 0.00325 | 1.09 | 08/06/2025 13:29 | WG2573870 |
| 1,1,2-Trichloroethane | U | | 0.00174 | 0.00325 | 1.09 | 08/06/2025 13:29 | WG2573870 |
| Trichloroethene | U | | 0.00115 | 0.00130 | 1.09 | 08/06/2025 13:29 | WG2573870 |
| Trichlorofluoromethane | U | | 0.00338 | 0.00518 | 1.09 | 08/06/2025 13:29 | WG2573870 |
| 1,2,3-Trichloropropane | U | | 0.00793 | 0.0162 | 1.09 | 08/06/2025 13:29 | WG2573870 |
| 1,2,4-Trimethylbenzene | U | | 0.00308 | 0.00648 | 1.09 | 08/06/2025 13:29 | WG2573870 |
| 1,2,3-Trimethylbenzene | U | | 0.00235 | 0.00648 | 1.09 | 08/06/2025 13:29 | WG2573870 |
| 1,3,5-Trimethylbenzene | U | | 0.00296 | 0.00648 | 1.09 | 08/06/2025 13:29 | WG2573870 |
| Vinyl chloride | U | | 0.00260 | 0.00325 | 1.09 | 08/06/2025 13:29 | WG2573870 |
| Xylenes, Total | U | | 0.00363 | 0.00842 | 1.09 | 08/06/2025 13:29 | WG2573870 |
| *(S) Toluene-d8* | *95.4* | | | *75.0-131* | | *08/06/2025 13:29* | WG2573870 |
| *(S) 4-Bromofluorobenzene* | *110* | | | *67.0-138* | | *08/06/2025 13:29* | WG2573870 |
| *(S) 1,2-Dichloroethane-d4* | *99.0* | | | *70.0-130* | | *08/06/2025 13:29* | WG2573870 |

## Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Diesel Range Organics (DRO) | U | | 1.46 | 4.39 | 1 | 08/11/2025 12:38 | WG2576655 |
| Residual Range Organics (RRO) | U | | 3.66 | 11.0 | 1 | 08/11/2025 12:38 | WG2576655 |
| *(S) o-Terphenyl* | *57.7* | | | *18.0-148* | | *08/11/2025 12:38* | WG2576655 |

## Polychlorinated Biphenyls (GC) by Method 8082 A

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| PCB 1016 | U | | 0.0112 | 0.0373 | 1 | 08/10/2025 17:23 | WG2576643 |
| PCB 1221 | U | | 0.0118 | 0.0373 | 1 | 08/10/2025 17:23 | WG2576643 |
| PCB 1232 | U | | 0.0200 | 0.0373 | 1 | 08/10/2025 17:23 | WG2576643 |
| PCB 1242 | U | | 0.0111 | 0.0373 | 1 | 08/10/2025 17:23 | WG2576643 |
| PCB 1248 | U | | 0.0136 | 0.0187 | 1 | 08/10/2025 17:23 | WG2576643 |
| PCB 1254 | U | | 0.0114 | 0.0187 | 1 | 08/10/2025 17:23 | WG2576643 |
| PCB 1260 | U | | 0.0121 | 0.0187 | 1 | 08/10/2025 17:23 | WG2576643 |
| *(S) Decachlorobiphenyl* | *49.2* | | | *10.0-135* | | *08/10/2025 17:23* | WG2576643 |
| *(S) Tetrachloro-m-xylene* | *79.6* | | | *10.0-139* | | *08/10/2025 17:23* | WG2576643 |

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Anthracene | U | | 0.00179 | 0.00659 | 1 | 08/11/2025 10:18 | WG2575960 |
| Acenaphthene | U | | 0.00178 | 0.00659 | 1 | 08/11/2025 10:18 | WG2575960 |
| Acenaphthylene | U | | 0.00175 | 0.00659 | 1 | 08/11/2025 10:18 | WG2575960 |
| Benzo(a)anthracene | U | | 0.00220 | 0.00659 | 1 | 08/11/2025 10:18 | WG2575960 |
| Benzo(a)pyrene | U | | 0.00179 | 0.00659 | 1 | 08/11/2025 10:18 | WG2575960 |
| Benzo(b)fluoranthene | U | | 0.00302 | 0.00659 | 1 | 08/11/2025 10:18 | WG2575960 |
| Benzo(g,h,i)perylene | U | | 0.00212 | 0.00659 | 1 | 08/11/2025 10:18 | WG2575960 |
| Benzo(k)fluoranthene | U | | 0.00234 | 0.00659 | 1 | 08/11/2025 10:18 | WG2575960 |
| Chrysene | U | | 0.00226 | 0.00659 | 1 | 08/11/2025 10:18 | WG2575960 |
| Dibenz(a,h)anthracene | U | | 0.00221 | 0.00659 | 1 | 08/11/2025 10:18 | WG2575960 |
| Fluoranthene | U | | 0.00263 | 0.00659 | 1 | 08/11/2025 10:18 | WG2575960 |
| Fluorene | U | | 0.00198 | 0.00659 | 1 | 08/11/2025 10:18 | WG2575960 |
| Indeno(1,2,3-cd)pyrene | U | | 0.00257 | 0.00659 | 1 | 08/11/2025 10:18 | WG2575960 |
| Naphthalene | U | | 0.00636 | 0.0220 | 1 | 08/11/2025 10:18 | WG2575960 |
| Phenanthrene | U | | 0.00335 | 0.00659 | 1 | 08/11/2025 10:18 | WG2575960 |
| Pyrene | U | | 0.00225 | 0.00659 | 1 | 08/11/2025 10:18 | WG2575960 |
| 1-Methylnaphthalene | U | | 0.00241 | 0.0220 | 1 | 08/11/2025 10:18 | WG2575960 |
| 2-Methylnaphthalene | U | | 0.00627 | 0.0220 | 1 | 08/11/2025 10:18 | WG2575960 |
| 2-Chloronaphthalene | U | | 0.00142 | 0.0220 | 1 | 08/11/2025 10:18 | WG2575960 |
| *(S) p-Terphenyl-d14* | *121* | J1 | | *23.0-120* | | *08/11/2025 10:18* | WG2575960 |
| *(S) Nitrobenzene-d5* | *121* | | | *14.0-149* | | *08/11/2025 10:18* | WG2575960 |
| *(S) 2-Fluorobiphenyl* | *101* | | | *34.0-125* | | *08/11/2025 10:18* | WG2575960 |

## Total Solids by Method 2540 G-2011

| Analyte | Result | Qualifier | Dilution | Analysis | Batch |
|---|---|---|---|---|---|
| | % | | | date / time | |
| Total Solids | 93.4 | | 1 | 08/08/2025 15:17 | WG2575499 |

## Mercury by Method 7471B

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/kg | | mg/kg | mg/kg | | date / time | |
| Mercury | 0.0503 | | 0.0221 | 0.0428 | 1 | 08/10/2025 21:07 | WG2576401 |

## Metals (ICPMS) by Method 6020B

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/kg | | mg/kg | mg/kg | | date / time | |
| Antimony | 1.07 | J | 0.178 | 3.21 | 5 | 08/19/2025 00:28 | WG2576187 |
| Arsenic | 3.33 | | 0.107 | 1.07 | 5 | 08/19/2025 00:28 | WG2576187 |
| Beryllium | 0.469 | J | 0.148 | 2.68 | 5 | 08/19/2025 00:28 | WG2576187 |
| Cadmium | 0.542 | J | 0.0915 | 1.07 | 5 | 08/19/2025 00:28 | WG2576187 |
| Chromium | 17.9 | | 0.317 | 5.35 | 5 | 08/19/2025 00:28 | WG2576187 |
| Copper | 57.9 | | 0.141 | 5.35 | 5 | 08/19/2025 00:28 | WG2576187 |
| Lead | 221 | | 0.106 | 2.14 | 5 | 08/19/2025 00:28 | WG2576187 |
| Manganese | 547 | | 1.43 | 13.4 | 25 | 08/19/2025 15:19 | WG2576187 |
| Nickel | 20.8 | | 0.211 | 2.68 | 5 | 08/19/2025 00:28 | WG2576187 |
| Selenium | 0.316 | J | 0.193 | 2.68 | 5 | 08/19/2025 00:28 | WG2576187 |
| Silver | 0.395 | J | 0.0926 | 0.535 | 5 | 08/19/2025 00:28 | WG2576187 |
| Titanium | 3500 | | 0.787 | 5.35 | 5 | 08/19/2025 00:28 | WG2576187 |
| Zinc | 207 | | 0.792 | 26.8 | 5 | 08/19/2025 00:28 | WG2576187 |

## Volatile Organic Compounds (GC) by Method NWTPHGX

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/kg | | mg/kg | mg/kg | | date / time | |
| Gasoline Range Organics-NWTPH | U | J3 | 1.74 | 3.23 | 28.5 | 08/06/2025 06:21 | WG2573564 |
| *(S) a,a,a-Trifluorotoluene(FID)* | *104* | | | *77.0-120* | | *08/06/2025 06:21* | WG2573564 |

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

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/kg | | mg/kg | mg/kg | | date / time | |
| Acetone | U | J4 | 0.0901 | 0.129 | 1.14 | 08/06/2025 13:48 | WG2573870 |
| Acrylonitrile | U | | 0.0104 | 0.0162 | 1.14 | 08/06/2025 13:48 | WG2573870 |
| Benzene | 0.00100 | J | 0.000919 | 0.00129 | 1.14 | 08/06/2025 13:48 | WG2573870 |
| Bromobenzene | U | | 0.00504 | 0.0162 | 1.14 | 08/06/2025 13:48 | WG2573870 |
| Bromodichloromethane | U | | 0.00151 | 0.00323 | 1.14 | 08/06/2025 13:48 | WG2573870 |
| Bromoform | U | | 0.0128 | 0.0323 | 1.14 | 08/06/2025 13:48 | WG2573870 |
| Bromomethane | U | | 0.0130 | 0.0162 | 1.14 | 08/06/2025 13:48 | WG2573870 |
| n-Butylbenzene | U | | 0.00808 | 0.0162 | 1.14 | 08/06/2025 13:48 | WG2573870 |
| sec-Butylbenzene | U | | 0.00495 | 0.0162 | 1.14 | 08/06/2025 13:48 | WG2573870 |
| tert-Butylbenzene | U | | 0.00244 | 0.00646 | 1.14 | 08/06/2025 13:48 | WG2573870 |
| Carbon tetrachloride | U | | 0.00389 | 0.00646 | 1.14 | 08/06/2025 13:48 | WG2573870 |
| Chlorobenzene | U | | 0.00111 | 0.00323 | 1.14 | 08/06/2025 13:48 | WG2573870 |
| Chlorodibromomethane | U | | 0.00208 | 0.00323 | 1.14 | 08/06/2025 13:48 | WG2573870 |
| Chloroethane | U | C3 | 0.00735 | 0.0129 | 1.14 | 08/06/2025 13:48 | WG2573870 |
| Chloroform | U | | 0.00210 | 0.00323 | 1.14 | 08/06/2025 13:48 | WG2573870 |
| Chloromethane | U | | 0.0110 | 0.0162 | 1.14 | 08/06/2025 13:48 | WG2573870 |
| 2-Chlorotoluene | U | | 0.00167 | 0.00323 | 1.14 | 08/06/2025 13:48 | WG2573870 |
| 4-Chlorotoluene | U | | 0.00199 | 0.00646 | 1.14 | 08/06/2025 13:48 | WG2573870 |
| 1,2-Dibromo-3-Chloropropane | U | | 0.0138 | 0.0323 | 1.14 | 08/06/2025 13:48 | WG2573870 |
| 1,2-Dibromoethane | U | | 0.00163 | 0.00323 | 1.14 | 08/06/2025 13:48 | WG2573870 |
| Dibromomethane | U | | 0.00230 | 0.00646 | 1.14 | 08/06/2025 13:48 | WG2573870 |

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| 1,2-Dichlorobenzene | U | | 0.00202 | 0.00646 | 1.14 | 08/06/2025 13:48 | WG2573870 |
| 1,3-Dichlorobenzene | U | | 0.00213 | 0.00646 | 1.14 | 08/06/2025 13:48 | WG2573870 |
| 1,4-Dichlorobenzene | U | | 0.00227 | 0.00646 | 1.14 | 08/06/2025 13:48 | WG2573870 |
| Dichlorodifluoromethane | U | | 0.00562 | 0.00646 | 1.14 | 08/06/2025 13:48 | WG2573870 |
| 1,1-Dichloroethane | U | | 0.00130 | 0.00323 | 1.14 | 08/06/2025 13:48 | WG2573870 |
| 1,2-Dichloroethane | U | | 0.00188 | 0.00323 | 1.14 | 08/06/2025 13:48 | WG2573870 |
| 1,1-Dichloroethene | U | | 0.00197 | 0.00323 | 1.14 | 08/06/2025 13:48 | WG2573870 |
| cis-1,2-Dichloroethene | U | | 0.00167 | 0.00323 | 1.14 | 08/06/2025 13:48 | WG2573870 |
| trans-1,2-Dichloroethene | U | | 0.00135 | 0.00646 | 1.14 | 08/06/2025 13:48 | WG2573870 |
| 1,2-Dichloropropane | U | | 0.00248 | 0.00646 | 1.14 | 08/06/2025 13:48 | WG2573870 |
| 1,1-Dichloropropene | U | | 0.00178 | 0.00646 | 1.14 | 08/06/2025 13:48 | WG2573870 |
| 1,3-Dichloropropane | U | | 0.00210 | 0.00646 | 1.14 | 08/06/2025 13:48 | WG2573870 |
| cis-1,3-Dichloropropene | U | | 0.00136 | 0.00323 | 1.14 | 08/06/2025 13:48 | WG2573870 |
| trans-1,3-Dichloropropene | U | | 0.00136 | 0.00646 | 1.14 | 08/06/2025 13:48 | WG2573870 |
| 2,2-Dichloropropane | U | | 0.00261 | 0.00323 | 1.14 | 08/06/2025 13:48 | WG2573870 |
| Di-isopropyl ether | U | | 0.000993 | 0.00129 | 1.14 | 08/06/2025 13:48 | WG2573870 |
| Ethylbenzene | 0.0173 | | 0.00128 | 0.00323 | 1.14 | 08/06/2025 13:48 | WG2573870 |
| Hexachloro-1,3-butadiene | U | | 0.0135 | 0.0323 | 1.14 | 08/06/2025 13:48 | WG2573870 |
| Isopropylbenzene | 0.00161 | J | 0.00130 | 0.00323 | 1.14 | 08/06/2025 13:48 | WG2573870 |
| p-Isopropyltoluene | 0.00365 | J | 0.00275 | 0.00646 | 1.14 | 08/06/2025 13:48 | WG2573870 |
| 2-Butanone (MEK) | U | | 0.114 | 0.129 | 1.14 | 08/06/2025 13:48 | WG2573870 |
| Methylene Chloride | U | | 0.0142 | 0.0323 | 1.14 | 08/06/2025 13:48 | WG2573870 |
| 4-Methyl-2-pentanone (MIBK) | U | | 0.0128 | 0.0323 | 1.14 | 08/06/2025 13:48 | WG2573870 |
| Methyl tert-butyl ether | U | | 0.000998 | 0.00129 | 1.14 | 08/06/2025 13:48 | WG2573870 |
| Naphthalene | 0.0184 | | 0.00985 | 0.0162 | 1.14 | 08/06/2025 13:48 | WG2573870 |
| n-Propylbenzene | U | | 0.00219 | 0.00646 | 1.14 | 08/06/2025 13:48 | WG2573870 |
| Styrene | U | | 0.00574 | 0.0162 | 1.14 | 08/06/2025 13:48 | WG2573870 |
| 1,1,1,2-Tetrachloroethane | U | | 0.00168 | 0.00323 | 1.14 | 08/06/2025 13:48 | WG2573870 |
| 1,1,2,2-Tetrachloroethane | U | | 0.00150 | 0.00323 | 1.14 | 08/06/2025 13:48 | WG2573870 |
| 1,1,2-Trichlorotrifluoroethane | U | | 0.00362 | 0.00646 | 1.14 | 08/06/2025 13:48 | WG2573870 |
| Tetrachloroethene | U | | 0.00196 | 0.00323 | 1.14 | 08/06/2025 13:48 | WG2573870 |
| Toluene | 0.0109 | | 0.00373 | 0.00646 | 1.14 | 08/06/2025 13:48 | WG2573870 |
| 1,2,3-Trichlorobenzene | U | | 0.00903 | 0.0162 | 1.14 | 08/06/2025 13:48 | WG2573870 |
| 1,2,4-Trichlorobenzene | U | | 0.00700 | 0.0162 | 1.14 | 08/06/2025 13:48 | WG2573870 |
| 1,1,1-Trichloroethane | U | | 0.00187 | 0.00323 | 1.14 | 08/06/2025 13:48 | WG2573870 |
| 1,1,2-Trichloroethane | U | | 0.00173 | 0.00323 | 1.14 | 08/06/2025 13:48 | WG2573870 |
| Trichloroethene | U | | 0.00116 | 0.00129 | 1.14 | 08/06/2025 13:48 | WG2573870 |
| Trichlorofluoromethane | U | | 0.00338 | 0.00517 | 1.14 | 08/06/2025 13:48 | WG2573870 |
| 1,2,3-Trichloropropane | U | | 0.00791 | 0.0162 | 1.14 | 08/06/2025 13:48 | WG2573870 |
| 1,2,4-Trimethylbenzene | 0.0121 | | 0.00307 | 0.00646 | 1.14 | 08/06/2025 13:48 | WG2573870 |
| 1,2,3-Trimethylbenzene | 0.00836 | | 0.00234 | 0.00646 | 1.14 | 08/06/2025 13:48 | WG2573870 |
| 1,3,5-Trimethylbenzene | U | | 0.00295 | 0.00646 | 1.14 | 08/06/2025 13:48 | WG2573870 |
| Vinyl chloride | U | | 0.00259 | 0.00323 | 1.14 | 08/06/2025 13:48 | WG2573870 |
| Xylenes, Total | 0.133 | | 0.00361 | 0.00839 | 1.14 | 08/06/2025 13:48 | WG2573870 |
| *(S) Toluene-d8* | *94.6* | | | *75.0-131* | | *08/06/2025 13:48* | WG2573870 |
| *(S) 4-Bromofluorobenzene* | *110* | | | *67.0-138* | | *08/06/2025 13:48* | WG2573870 |
| *(S) 1,2-Dichloroethane-d4* | *98.6* | | | *70.0-130* | | *08/06/2025 13:48* | WG2573870 |

## Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Diesel Range Organics (DRO) | 187 | | 14.2 | 42.8 | 10 | 08/11/2025 21:09 | WG2576655 |
| Residual Range Organics (RRO) | 1270 | | 35.7 | 107 | 10 | 08/11/2025 21:09 | WG2576655 |
| *(S) o-Terphenyl* | *50.5* | | | *18.0-148* | | *08/11/2025 21:09* | WG2576655 |

## Polychlorinated Biphenyls (GC) by Method 8082 A

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| PCB 1016 | U | | 0.0109 | 0.0364 | 1 | 08/10/2025 17:33 | WG2576643 |
| PCB 1221 | U | | 0.0115 | 0.0364 | 1 | 08/10/2025 17:33 | WG2576643 |
| PCB 1232 | U | | 0.0195 | 0.0364 | 1 | 08/10/2025 17:33 | WG2576643 |
| PCB 1242 | U | | 0.0108 | 0.0364 | 1 | 08/10/2025 17:33 | WG2576643 |
| PCB 1248 | U | | 0.0133 | 0.0182 | 1 | 08/10/2025 17:33 | WG2576643 |
| PCB 1254 | U | | 0.0111 | 0.0182 | 1 | 08/10/2025 17:33 | WG2576643 |
| PCB 1260 | U | | 0.0118 | 0.0182 | 1 | 08/10/2025 17:33 | WG2576643 |
| *(S) Decachlorobiphenyl* | *43.2* | | | *10.0-135* | | *08/10/2025 17:33* | WG2576643 |
| *(S) Tetrachloro-m-xylene* | *69.2* | | | *10.0-139* | | *08/10/2025 17:33* | WG2576643 |

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Anthracene | U | | 0.00175 | 0.00642 | 1 | 08/12/2025 04:40 | WG2575960 |
| Acenaphthene | U | | 0.00173 | 0.00642 | 1 | 08/12/2025 04:40 | WG2575960 |
| Acenaphthylene | 0.00191 | J | 0.00170 | 0.00642 | 1 | 08/12/2025 04:40 | WG2575960 |
| Benzo(a)anthracene | 0.0111 | | 0.00214 | 0.00642 | 1 | 08/12/2025 04:40 | WG2575960 |
| Benzo(a)pyrene | 0.0143 | | 0.00175 | 0.00642 | 1 | 08/12/2025 04:40 | WG2575960 |
| Benzo(b)fluoranthene | 0.0193 | | 0.00294 | 0.00642 | 1 | 08/12/2025 04:40 | WG2575960 |
| Benzo(g,h,i)perylene | 0.0297 | | 0.00207 | 0.00642 | 1 | 08/12/2025 04:40 | WG2575960 |
| Benzo(k)fluoranthene | 0.00385 | J | 0.00228 | 0.00642 | 1 | 08/12/2025 04:40 | WG2575960 |
| Chrysene | 0.0214 | | 0.00221 | 0.00642 | 1 | 08/12/2025 04:40 | WG2575960 |
| Dibenz(a,h)anthracene | 0.00742 | | 0.00215 | 0.00642 | 1 | 08/12/2025 04:40 | WG2575960 |
| Fluoranthene | 0.0109 | | 0.00256 | 0.00642 | 1 | 08/12/2025 04:40 | WG2575960 |
| Fluorene | U | | 0.00193 | 0.00642 | 1 | 08/12/2025 04:40 | WG2575960 |
| Indeno(1,2,3-cd)pyrene | 0.0124 | | 0.00251 | 0.00642 | 1 | 08/12/2025 04:40 | WG2575960 |
| Naphthalene | 0.00672 | J | 0.00620 | 0.0214 | 1 | 08/12/2025 04:40 | WG2575960 |
| Phenanthrene | 0.0148 | | 0.00327 | 0.00642 | 1 | 08/12/2025 04:40 | WG2575960 |
| Pyrene | 0.0168 | | 0.00219 | 0.00642 | 1 | 08/12/2025 04:40 | WG2575960 |
| 1-Methylnaphthalene | 0.00751 | J | 0.00234 | 0.0214 | 1 | 08/12/2025 04:40 | WG2575960 |
| 2-Methylnaphthalene | 0.00890 | J | 0.00611 | 0.0214 | 1 | 08/12/2025 04:40 | WG2575960 |
| 2-Chloronaphthalene | U | | 0.00138 | 0.0214 | 1 | 08/12/2025 04:40 | WG2575960 |
| *(S) p-Terphenyl-d14* | *86.4* | | | *23.0-120* | | *08/12/2025 04:40* | WG2575960 |
| *(S) Nitrobenzene-d5* | *85.3* | | | *14.0-149* | | *08/12/2025 04:40* | WG2575960 |
| *(S) 2-Fluorobiphenyl* | *84.9* | | | *34.0-125* | | *08/12/2025 04:40* | WG2575960 |

## Total Solids by Method 2540 G-2011

| Analyte | Result | Qualifier | Dilution | Analysis | Batch |
|---|---|---|---|---|---|
| | % | | | date / time | |
| Total Solids | 93.8 | | 1 | 08/08/2025 15:04 | WG2575500 |

## Mercury by Method 7471B

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/kg | | mg/kg | mg/kg | | date / time | |
| Mercury | U | | 0.0220 | 0.0426 | 1 | 08/10/2025 21:10 | WG2576401 |

## Metals (ICPMS) by Method 6020B

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/kg | | mg/kg | mg/kg | | date / time | |
| Antimony | U | | 0.177 | 3.20 | 5 | 08/19/2025 00:32 | WG2576187 |
| Arsenic | 1.45 | | 0.107 | 1.07 | 5 | 08/19/2025 00:32 | WG2576187 |
| Beryllium | 0.404 | J | 0.147 | 2.66 | 5 | 08/19/2025 00:32 | WG2576187 |
| Cadmium | U | | 0.0911 | 1.07 | 5 | 08/19/2025 00:32 | WG2576187 |
| Chromium | 13.1 | | 0.316 | 5.33 | 5 | 08/19/2025 00:32 | WG2576187 |
| Copper | 25.1 | | 0.141 | 5.33 | 5 | 08/19/2025 00:32 | WG2576187 |
| Lead | 3.11 | | 0.106 | 2.13 | 5 | 08/19/2025 00:32 | WG2576187 |
| Manganese | 462 | | 1.43 | 13.3 | 25 | 08/19/2025 15:22 | WG2576187 |
| Nickel | 16.7 | | 0.210 | 2.66 | 5 | 08/19/2025 00:32 | WG2576187 |
| Selenium | 0.306 | J | 0.192 | 2.66 | 5 | 08/19/2025 00:32 | WG2576187 |
| Silver | U | | 0.0922 | 0.533 | 5 | 08/19/2025 00:32 | WG2576187 |
| Titanium | 3770 | | 0.783 | 5.33 | 5 | 08/19/2025 00:32 | WG2576187 |
| Zinc | 61.7 | | 0.789 | 26.6 | 5 | 08/19/2025 00:32 | WG2576187 |

## Volatile Organic Compounds (GC) by Method NWTPHGX

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/kg | | mg/kg | mg/kg | | date / time | |
| Gasoline Range Organics-NWTPH | U | | 1.69 | 3.13 | 27.8 | 08/06/2025 10:50 | WG2573751 |
| *(S) a,a,a-Trifluorotoluene(FID)* | *101* | | | *77.0-120* | | *08/06/2025 10:50* | WG2573751 |

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

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/kg | | mg/kg | mg/kg | | date / time | |
| Acetone | U | J4 | 0.0834 | 0.120 | 1.06 | 08/06/2025 14:06 | WG2573870 |
| Acrylonitrile | U | | 0.00960 | 0.0150 | 1.06 | 08/06/2025 14:06 | WG2573870 |
| Benzene | U | | 0.000851 | 0.00120 | 1.06 | 08/06/2025 14:06 | WG2573870 |
| Bromobenzene | U | | 0.00466 | 0.0150 | 1.06 | 08/06/2025 14:06 | WG2573870 |
| Bromodichloromethane | U | | 0.00140 | 0.00299 | 1.06 | 08/06/2025 14:06 | WG2573870 |
| Bromoform | U | | 0.0118 | 0.0299 | 1.06 | 08/06/2025 14:06 | WG2573870 |
| Bromomethane | U | | 0.0121 | 0.0150 | 1.06 | 08/06/2025 14:06 | WG2573870 |
| n-Butylbenzene | U | | 0.00748 | 0.0150 | 1.06 | 08/06/2025 14:06 | WG2573870 |
| sec-Butylbenzene | U | | 0.00458 | 0.0150 | 1.06 | 08/06/2025 14:06 | WG2573870 |
| tert-Butylbenzene | U | | 0.00226 | 0.00598 | 1.06 | 08/06/2025 14:06 | WG2573870 |
| Carbon tetrachloride | U | | 0.00360 | 0.00598 | 1.06 | 08/06/2025 14:06 | WG2573870 |
| Chlorobenzene | U | | 0.00103 | 0.00299 | 1.06 | 08/06/2025 14:06 | WG2573870 |
| Chlorodibromomethane | U | | 0.00193 | 0.00299 | 1.06 | 08/06/2025 14:06 | WG2573870 |
| Chloroethane | U | C3 | 0.00680 | 0.0120 | 1.06 | 08/06/2025 14:06 | WG2573870 |
| Chloroform | U | | 0.00194 | 0.00299 | 1.06 | 08/06/2025 14:06 | WG2573870 |
| Chloromethane | U | | 0.0102 | 0.0150 | 1.06 | 08/06/2025 14:06 | WG2573870 |
| 2-Chlorotoluene | U | | 0.00155 | 0.00299 | 1.06 | 08/06/2025 14:06 | WG2573870 |
| 4-Chlorotoluene | U | | 0.00184 | 0.00598 | 1.06 | 08/06/2025 14:06 | WG2573870 |
| 1,2-Dibromo-3-Chloropropane | U | | 0.0127 | 0.0299 | 1.06 | 08/06/2025 14:06 | WG2573870 |
| 1,2-Dibromoethane | U | | 0.00151 | 0.00299 | 1.06 | 08/06/2025 14:06 | WG2573870 |
| Dibromomethane | U | | 0.00213 | 0.00598 | 1.06 | 08/06/2025 14:06 | WG2573870 |

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| 1,2-Dichlorobenzene | U | | 0.00186 | 0.00598 | 1.06 | 08/06/2025 14:06 | WG2573870 |
| 1,3-Dichlorobenzene | U | | 0.00197 | 0.00598 | 1.06 | 08/06/2025 14:06 | WG2573870 |
| 1,4-Dichlorobenzene | U | | 0.00210 | 0.00598 | 1.06 | 08/06/2025 14:06 | WG2573870 |
| Dichlorodifluoromethane | U | | 0.00520 | 0.00598 | 1.06 | 08/06/2025 14:06 | WG2573870 |
| 1,1-Dichloroethane | U | | 0.00121 | 0.00299 | 1.06 | 08/06/2025 14:06 | WG2573870 |
| 1,2-Dichloroethane | U | | 0.00175 | 0.00299 | 1.06 | 08/06/2025 14:06 | WG2573870 |
| 1,1-Dichloroethene | U | | 0.00183 | 0.00299 | 1.06 | 08/06/2025 14:06 | WG2573870 |
| cis-1,2-Dichloroethene | U | | 0.00155 | 0.00299 | 1.06 | 08/06/2025 14:06 | WG2573870 |
| trans-1,2-Dichloroethene | U | | 0.00124 | 0.00598 | 1.06 | 08/06/2025 14:06 | WG2573870 |
| 1,2-Dichloropropane | U | | 0.00230 | 0.00598 | 1.06 | 08/06/2025 14:06 | WG2573870 |
| 1,1-Dichloropropene | U | | 0.00165 | 0.00598 | 1.06 | 08/06/2025 14:06 | WG2573870 |
| 1,3-Dichloropropane | U | | 0.00194 | 0.00598 | 1.06 | 08/06/2025 14:06 | WG2573870 |
| cis-1,3-Dichloropropene | U | | 0.00125 | 0.00299 | 1.06 | 08/06/2025 14:06 | WG2573870 |
| trans-1,3-Dichloropropene | U | | 0.00125 | 0.00598 | 1.06 | 08/06/2025 14:06 | WG2573870 |
| 2,2-Dichloropropane | U | | 0.00241 | 0.00299 | 1.06 | 08/06/2025 14:06 | WG2573870 |
| Di-isopropyl ether | U | | 0.000919 | 0.00120 | 1.06 | 08/06/2025 14:06 | WG2573870 |
| Ethylbenzene | U | | 0.00118 | 0.00299 | 1.06 | 08/06/2025 14:06 | WG2573870 |
| Hexachloro-1,3-butadiene | U | | 0.0125 | 0.0299 | 1.06 | 08/06/2025 14:06 | WG2573870 |
| Isopropylbenzene | U | | 0.00121 | 0.00299 | 1.06 | 08/06/2025 14:06 | WG2573870 |
| p-Isopropyltoluene | U | | 0.00255 | 0.00598 | 1.06 | 08/06/2025 14:06 | WG2573870 |
| 2-Butanone (MEK) | U | | 0.106 | 0.120 | 1.06 | 08/06/2025 14:06 | WG2573870 |
| Methylene Chloride | U | | 0.0132 | 0.0299 | 1.06 | 08/06/2025 14:06 | WG2573870 |
| 4-Methyl-2-pentanone (MIBK) | U | | 0.0118 | 0.0299 | 1.06 | 08/06/2025 14:06 | WG2573870 |
| Methyl tert-butyl ether | U | | 0.000924 | 0.00120 | 1.06 | 08/06/2025 14:06 | WG2573870 |
| Naphthalene | U | | 0.00913 | 0.0150 | 1.06 | 08/06/2025 14:06 | WG2573870 |
| n-Propylbenzene | U | | 0.00202 | 0.00598 | 1.06 | 08/06/2025 14:06 | WG2573870 |
| Styrene | U | | 0.00532 | 0.0150 | 1.06 | 08/06/2025 14:06 | WG2573870 |
| 1,1,1,2-Tetrachloroethane | U | | 0.00156 | 0.00299 | 1.06 | 08/06/2025 14:06 | WG2573870 |
| 1,1,2,2-Tetrachloroethane | U | | 0.00139 | 0.00299 | 1.06 | 08/06/2025 14:06 | WG2573870 |
| 1,1,2-Trichlorotrifluoroethane | U | | 0.00336 | 0.00598 | 1.06 | 08/06/2025 14:06 | WG2573870 |
| Tetrachloroethene | U | | 0.00182 | 0.00299 | 1.06 | 08/06/2025 14:06 | WG2573870 |
| Toluene | U | | 0.00345 | 0.00598 | 1.06 | 08/06/2025 14:06 | WG2573870 |
| 1,2,3-Trichlorobenzene | U | | 0.00836 | 0.0150 | 1.06 | 08/06/2025 14:06 | WG2573870 |
| 1,2,4-Trichlorobenzene | U | | 0.00649 | 0.0150 | 1.06 | 08/06/2025 14:06 | WG2573870 |
| 1,1,1-Trichloroethane | U | | 0.00174 | 0.00299 | 1.06 | 08/06/2025 14:06 | WG2573870 |
| 1,1,2-Trichloroethane | U | | 0.00160 | 0.00299 | 1.06 | 08/06/2025 14:06 | WG2573870 |
| Trichloroethene | U | | 0.00106 | 0.00120 | 1.06 | 08/06/2025 14:06 | WG2573870 |
| Trichlorofluoromethane | U | | 0.00312 | 0.00478 | 1.06 | 08/06/2025 14:06 | WG2573870 |
| 1,2,3-Trichloropropane | U | | 0.00732 | 0.0150 | 1.06 | 08/06/2025 14:06 | WG2573870 |
| 1,2,4-Trimethylbenzene | U | | 0.00284 | 0.00598 | 1.06 | 08/06/2025 14:06 | WG2573870 |
| 1,2,3-Trimethylbenzene | U | | 0.00218 | 0.00598 | 1.06 | 08/06/2025 14:06 | WG2573870 |
| 1,3,5-Trimethylbenzene | U | | 0.00273 | 0.00598 | 1.06 | 08/06/2025 14:06 | WG2573870 |
| Vinyl chloride | U | | 0.00240 | 0.00299 | 1.06 | 08/06/2025 14:06 | WG2573870 |
| Xylenes, Total | U | | 0.00335 | 0.00777 | 1.06 | 08/06/2025 14:06 | WG2573870 |
| *(S) Toluene-d8* | *97.3* | | | *75.0-131* | | *08/06/2025 14:06* | WG2573870 |
| *(S) 4-Bromofluorobenzene* | *105* | | | *67.0-138* | | *08/06/2025 14:06* | WG2573870 |
| *(S) 1,2-Dichloroethane-d4* | *95.1* | | | *70.0-130* | | *08/06/2025 14:06* | WG2573870 |

## Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Diesel Range Organics (DRO) | U | | 1.42 | 4.26 | 1 | 08/11/2025 12:53 | WG2576655 |
| Residual Range Organics (RRO) | 3.71 | J | 3.55 | 10.7 | 1 | 08/11/2025 12:53 | WG2576655 |
| *(S) o-Terphenyl* | *74.2* | | | *18.0-148* | | *08/11/2025 12:53* | WG2576655 |

## Polychlorinated Biphenyls (GC) by Method 8082 A

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| PCB 1016 | U | | 0.0109 | 0.0362 | 1 | 08/10/2025 18:02 | WG2576643 |
| PCB 1221 | U | | 0.0114 | 0.0362 | 1 | 08/10/2025 18:02 | WG2576643 |
| PCB 1232 | U | | 0.0194 | 0.0362 | 1 | 08/10/2025 18:02 | WG2576643 |
| PCB 1242 | U | | 0.0108 | 0.0362 | 1 | 08/10/2025 18:02 | WG2576643 |
| PCB 1248 | U | | 0.0132 | 0.0181 | 1 | 08/10/2025 18:02 | WG2576643 |
| PCB 1254 | U | | 0.0111 | 0.0181 | 1 | 08/10/2025 18:02 | WG2576643 |
| PCB 1260 | U | | 0.0117 | 0.0181 | 1 | 08/10/2025 18:02 | WG2576643 |
| *(S) Decachlorobiphenyl* | *46.1* | | | *10.0-135* | | *08/10/2025 18:02* | WG2576643 |
| *(S) Tetrachloro-m-xylene* | *78.3* | | | *10.0-139* | | *08/10/2025 18:02* | WG2576643 |

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Anthracene | U | | 0.00174 | 0.00640 | 1 | 08/11/2025 10:38 | WG2575960 |
| Acenaphthene | U | | 0.00173 | 0.00640 | 1 | 08/11/2025 10:38 | WG2575960 |
| Acenaphthylene | U | | 0.00169 | 0.00640 | 1 | 08/11/2025 10:38 | WG2575960 |
| Benzo(a)anthracene | U | | 0.00213 | 0.00640 | 1 | 08/11/2025 10:38 | WG2575960 |
| Benzo(a)pyrene | U | | 0.00174 | 0.00640 | 1 | 08/11/2025 10:38 | WG2575960 |
| Benzo(b)fluoranthene | U | | 0.00293 | 0.00640 | 1 | 08/11/2025 10:38 | WG2575960 |
| Benzo(g,h,i)perylene | U | | 0.00206 | 0.00640 | 1 | 08/11/2025 10:38 | WG2575960 |
| Benzo(k)fluoranthene | U | | 0.00227 | 0.00640 | 1 | 08/11/2025 10:38 | WG2575960 |
| Chrysene | U | | 0.00220 | 0.00640 | 1 | 08/11/2025 10:38 | WG2575960 |
| Dibenz(a,h)anthracene | U | | 0.00214 | 0.00640 | 1 | 08/11/2025 10:38 | WG2575960 |
| Fluoranthene | U | | 0.00255 | 0.00640 | 1 | 08/11/2025 10:38 | WG2575960 |
| Fluorene | U | | 0.00192 | 0.00640 | 1 | 08/11/2025 10:38 | WG2575960 |
| Indeno(1,2,3-cd)pyrene | U | | 0.00249 | 0.00640 | 1 | 08/11/2025 10:38 | WG2575960 |
| Naphthalene | U | | 0.00617 | 0.0213 | 1 | 08/11/2025 10:38 | WG2575960 |
| Phenanthrene | U | | 0.00325 | 0.00640 | 1 | 08/11/2025 10:38 | WG2575960 |
| Pyrene | U | | 0.00219 | 0.00640 | 1 | 08/11/2025 10:38 | WG2575960 |
| 1-Methylnaphthalene | U | | 0.00233 | 0.0213 | 1 | 08/11/2025 10:38 | WG2575960 |
| 2-Methylnaphthalene | U | | 0.00609 | 0.0213 | 1 | 08/11/2025 10:38 | WG2575960 |
| 2-Chloronaphthalene | U | | 0.00138 | 0.0213 | 1 | 08/11/2025 10:38 | WG2575960 |
| *(S) p-Terphenyl-d14* | *117* | | | *23.0-120* | | *08/11/2025 10:38* | WG2575960 |
| *(S) Nitrobenzene-d5* | *121* | | | *14.0-149* | | *08/11/2025 10:38* | WG2575960 |
| *(S) 2-Fluorobiphenyl* | *91.1* | | | *34.0-125* | | *08/11/2025 10:38* | WG2575960 |

## Total Solids by Method 2540 G-2011

| Analyte | Result | Qualifier | Dilution | Analysis | Batch |
|---|---|---|---|---|---|
| | % | | | date / time | |
| Total Solids | 94.7 | | 1 | 08/08/2025 15:04 | WG2575500 |

## Mercury by Method 7471B

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/kg | | mg/kg | mg/kg | | date / time | |
| Mercury | 0.0396 | J | 0.0218 | 0.0423 | 1 | 08/10/2025 21:12 | WG2576401 |

## Metals (ICPMS) by Method 6020B

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/kg | | mg/kg | mg/kg | | date / time | |
| Antimony | 0.659 | J | 0.175 | 3.17 | 5 | 08/19/2025 00:35 | WG2576187 |
| Arsenic | 3.03 | | 0.106 | 1.06 | 5 | 08/19/2025 00:35 | WG2576187 |
| Beryllium | 0.430 | J | 0.146 | 2.64 | 5 | 08/19/2025 00:35 | WG2576187 |
| Cadmium | 1.05 | J | 0.0903 | 1.06 | 5 | 08/19/2025 00:35 | WG2576187 |
| Chromium | 13.1 | | 0.313 | 5.28 | 5 | 08/19/2025 00:35 | WG2576187 |
| Copper | 57.8 | | 0.139 | 5.28 | 5 | 08/19/2025 00:35 | WG2576187 |
| Lead | 153 | | 0.105 | 2.11 | 5 | 08/19/2025 00:35 | WG2576187 |
| Manganese | 480 | | 1.42 | 13.2 | 25 | 08/19/2025 15:25 | WG2576187 |
| Nickel | 17.7 | | 0.208 | 2.64 | 5 | 08/19/2025 00:35 | WG2576187 |
| Selenium | 0.370 | J | 0.190 | 2.64 | 5 | 08/19/2025 00:35 | WG2576187 |
| Silver | 0.100 | J | 0.0914 | 0.528 | 5 | 08/19/2025 00:35 | WG2576187 |
| Titanium | 4080 | | 0.776 | 5.28 | 5 | 08/19/2025 00:35 | WG2576187 |
| Zinc | 776 | | 3.91 | 132 | 25 | 08/19/2025 15:25 | WG2576187 |

## Volatile Organic Compounds (GC) by Method NWTPHGX

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/kg | | mg/kg | mg/kg | | date / time | |
| Gasoline Range Organics-NWTPH | U | | 1.58 | 2.92 | 26.3 | 08/06/2025 11:10 | WG2573751 |
| *(S) a,a,a-Trifluorotoluene(FID)* | *100* | | | *77.0-120* | | *08/06/2025 11:10* | WG2573751 |

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

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/kg | | mg/kg | mg/kg | | date / time | |
| Acetone | U | J4 | 0.0781 | 0.112 | 1 | 08/06/2025 14:25 | WG2573870 |
| Acrylonitrile | U | | 0.00900 | 0.0140 | 1 | 08/06/2025 14:25 | WG2573870 |
| Benzene | U | | 0.000797 | 0.00112 | 1 | 08/06/2025 14:25 | WG2573870 |
| Bromobenzene | U | | 0.00437 | 0.0140 | 1 | 08/06/2025 14:25 | WG2573870 |
| Bromodichloromethane | U | | 0.00131 | 0.00280 | 1 | 08/06/2025 14:25 | WG2573870 |
| Bromoform | U | | 0.0111 | 0.0280 | 1 | 08/06/2025 14:25 | WG2573870 |
| Bromomethane | U | | 0.0113 | 0.0140 | 1 | 08/06/2025 14:25 | WG2573870 |
| n-Butylbenzene | U | | 0.00701 | 0.0140 | 1 | 08/06/2025 14:25 | WG2573870 |
| sec-Butylbenzene | U | | 0.00429 | 0.0140 | 1 | 08/06/2025 14:25 | WG2573870 |
| tert-Butylbenzene | U | | 0.00212 | 0.00561 | 1 | 08/06/2025 14:25 | WG2573870 |
| Carbon tetrachloride | U | | 0.00337 | 0.00561 | 1 | 08/06/2025 14:25 | WG2573870 |
| Chlorobenzene | U | | 0.000962 | 0.00280 | 1 | 08/06/2025 14:25 | WG2573870 |
| Chlorodibromomethane | U | | 0.00180 | 0.00280 | 1 | 08/06/2025 14:25 | WG2573870 |
| Chloroethane | U | C3 | 0.00638 | 0.0112 | 1 | 08/06/2025 14:25 | WG2573870 |
| Chloroform | U | | 0.00182 | 0.00280 | 1 | 08/06/2025 14:25 | WG2573870 |
| Chloromethane | U | | 0.00953 | 0.0140 | 1 | 08/06/2025 14:25 | WG2573870 |
| 2-Chlorotoluene | U | | 0.00145 | 0.00280 | 1 | 08/06/2025 14:25 | WG2573870 |
| 4-Chlorotoluene | U | | 0.00173 | 0.00561 | 1 | 08/06/2025 14:25 | WG2573870 |
| 1,2-Dibromo-3-Chloropropane | U | | 0.0120 | 0.0280 | 1 | 08/06/2025 14:25 | WG2573870 |
| 1,2-Dibromoethane | U | | 0.00141 | 0.00280 | 1 | 08/06/2025 14:25 | WG2573870 |
| Dibromomethane | U | | 0.00200 | 0.00561 | 1 | 08/06/2025 14:25 | WG2573870 |

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| 1,2-Dichlorobenzene | U | | 0.00175 | 0.00561 | 1 | 08/06/2025 14:25 | WG2573870 |
| 1,3-Dichlorobenzene | U | | 0.00185 | 0.00561 | 1 | 08/06/2025 14:25 | WG2573870 |
| 1,4-Dichlorobenzene | U | | 0.00196 | 0.00561 | 1 | 08/06/2025 14:25 | WG2573870 |
| Dichlorodifluoromethane | U | | 0.00488 | 0.00561 | 1 | 08/06/2025 14:25 | WG2573870 |
| 1,1-Dichloroethane | U | | 0.00113 | 0.00280 | 1 | 08/06/2025 14:25 | WG2573870 |
| 1,2-Dichloroethane | U | | 0.00164 | 0.00280 | 1 | 08/06/2025 14:25 | WG2573870 |
| 1,1-Dichloroethene | U | | 0.00172 | 0.00280 | 1 | 08/06/2025 14:25 | WG2573870 |
| cis-1,2-Dichloroethene | U | | 0.00145 | 0.00280 | 1 | 08/06/2025 14:25 | WG2573870 |
| trans-1,2-Dichloroethene | U | | 0.00117 | 0.00561 | 1 | 08/06/2025 14:25 | WG2573870 |
| 1,2-Dichloropropane | U | | 0.00215 | 0.00561 | 1 | 08/06/2025 14:25 | WG2573870 |
| 1,1-Dichloropropene | U | | 0.00155 | 0.00561 | 1 | 08/06/2025 14:25 | WG2573870 |
| 1,3-Dichloropropane | U | | 0.00182 | 0.00561 | 1 | 08/06/2025 14:25 | WG2573870 |
| cis-1,3-Dichloropropene | U | | 0.00118 | 0.00280 | 1 | 08/06/2025 14:25 | WG2573870 |
| trans-1,3-Dichloropropene | U | | 0.00118 | 0.00561 | 1 | 08/06/2025 14:25 | WG2573870 |
| 2,2-Dichloropropane | U | | 0.00226 | 0.00280 | 1 | 08/06/2025 14:25 | WG2573870 |
| Di-isopropyl ether | U | | 0.000862 | 0.00112 | 1 | 08/06/2025 14:25 | WG2573870 |
| Ethylbenzene | U | | 0.00111 | 0.00280 | 1 | 08/06/2025 14:25 | WG2573870 |
| Hexachloro-1,3-butadiene | U | | 0.0117 | 0.0280 | 1 | 08/06/2025 14:25 | WG2573870 |
| Isopropylbenzene | U | | 0.00113 | 0.00280 | 1 | 08/06/2025 14:25 | WG2573870 |
| p-Isopropyltoluene | U | | 0.00239 | 0.00561 | 1 | 08/06/2025 14:25 | WG2573870 |
| 2-Butanone (MEK) | U | | 0.0994 | 0.112 | 1 | 08/06/2025 14:25 | WG2573870 |
| Methylene Chloride | U | | 0.0123 | 0.0280 | 1 | 08/06/2025 14:25 | WG2573870 |
| 4-Methyl-2-pentanone (MIBK) | U | | 0.0111 | 0.0280 | 1 | 08/06/2025 14:25 | WG2573870 |
| Methyl tert-butyl ether | U | | 0.000867 | 0.00112 | 1 | 08/06/2025 14:25 | WG2573870 |
| Naphthalene | 0.0408 | | 0.00855 | 0.0140 | 1 | 08/06/2025 14:25 | WG2573870 |
| n-Propylbenzene | U | | 0.00189 | 0.00561 | 1 | 08/06/2025 14:25 | WG2573870 |
| Styrene | U | | 0.00499 | 0.0140 | 1 | 08/06/2025 14:25 | WG2573870 |
| 1,1,1,2-Tetrachloroethane | U | | 0.00146 | 0.00280 | 1 | 08/06/2025 14:25 | WG2573870 |
| 1,1,2,2-Tetrachloroethane | U | | 0.00130 | 0.00280 | 1 | 08/06/2025 14:25 | WG2573870 |
| 1,1,2-Trichlorotrifluoroethane | U | | 0.00315 | 0.00561 | 1 | 08/06/2025 14:25 | WG2573870 |
| Tetrachloroethene | 0.00276 | J | 0.00170 | 0.00280 | 1 | 08/06/2025 14:25 | WG2573870 |
| Toluene | 0.00365 | J | 0.00324 | 0.00561 | 1 | 08/06/2025 14:25 | WG2573870 |
| 1,2,3-Trichlorobenzene | U | | 0.00784 | 0.0140 | 1 | 08/06/2025 14:25 | WG2573870 |
| 1,2,4-Trichlorobenzene | U | | 0.00608 | 0.0140 | 1 | 08/06/2025 14:25 | WG2573870 |
| 1,1,1-Trichloroethane | U | | 0.00163 | 0.00280 | 1 | 08/06/2025 14:25 | WG2573870 |
| 1,1,2-Trichloroethane | U | | 0.00150 | 0.00280 | 1 | 08/06/2025 14:25 | WG2573870 |
| Trichloroethene | U | | 0.000999 | 0.00112 | 1 | 08/06/2025 14:25 | WG2573870 |
| Trichlorofluoromethane | U | | 0.00293 | 0.00448 | 1 | 08/06/2025 14:25 | WG2573870 |
| 1,2,3-Trichloropropane | U | | 0.00686 | 0.0140 | 1 | 08/06/2025 14:25 | WG2573870 |
| 1,2,4-Trimethylbenzene | 0.00617 | | 0.00267 | 0.00561 | 1 | 08/06/2025 14:25 | WG2573870 |
| 1,2,3-Trimethylbenzene | 0.00442 | J | 0.00204 | 0.00561 | 1 | 08/06/2025 14:25 | WG2573870 |
| 1,3,5-Trimethylbenzene | U | | 0.00256 | 0.00561 | 1 | 08/06/2025 14:25 | WG2573870 |
| Vinyl chloride | U | | 0.00225 | 0.00280 | 1 | 08/06/2025 14:25 | WG2573870 |
| Xylenes, Total | 0.00988 | | 0.00314 | 0.00729 | 1 | 08/06/2025 14:25 | WG2573870 |
| *(S) Toluene-d8* | *96.7* | | | *75.0-131* | | *08/06/2025 14:25* | WG2573870 |
| *(S) 4-Bromofluorobenzene* | *107* | | | *67.0-138* | | *08/06/2025 14:25* | WG2573870 |
| *(S) 1,2-Dichloroethane-d4* | *95.6* | | | *70.0-130* | | *08/06/2025 14:25* | WG2573870 |

## Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Diesel Range Organics (DRO) | 54.4 | J J3 J6 | 28.1 | 84.5 | 20 | 08/11/2025 14:08 | WG2576687 |
| Residual Range Organics (RRO) | 478 | | 70.3 | 211 | 20 | 08/11/2025 14:08 | WG2576687 |
| *(S) o-Terphenyl* | *83.5* | J7 | | *18.0-148* | | *08/11/2025 14:08* | WG2576687 |

Sample Narrative:

## Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| L1884546-17 WG2576687: Sample resembles laboratory standard for Hydraulic Oil. | | | | | | | |

## Polychlorinated Biphenyls (GC) by Method 8082 A

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| PCB 1016 | U | | 0.0108 | 0.0359 | 1 | 08/10/2025 18:11 | WG2576643 |
| PCB 1221 | U | | 0.0113 | 0.0359 | 1 | 08/10/2025 18:11 | WG2576643 |
| PCB 1232 | U | | 0.0192 | 0.0359 | 1 | 08/10/2025 18:11 | WG2576643 |
| PCB 1242 | U | | 0.0107 | 0.0359 | 1 | 08/10/2025 18:11 | WG2576643 |
| PCB 1248 | U | | 0.0131 | 0.0180 | 1 | 08/10/2025 18:11 | WG2576643 |
| PCB 1254 | U | | 0.0110 | 0.0180 | 1 | 08/10/2025 18:11 | WG2576643 |
| PCB 1260 | U | | 0.0116 | 0.0180 | 1 | 08/10/2025 18:11 | WG2576643 |
| *(S) Decachlorobiphenyl* | *45.6* | | | *10.0-135* | | *08/10/2025 18:11* | WG2576643 |
| *(S) Tetrachloro-m-xylene* | *75.8* | | | *10.0-139* | | *08/10/2025 18:11* | WG2576643 |

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Anthracene | 0.00244 | J | 0.00172 | 0.00634 | 1 | 08/11/2025 10:57 | WG2575960 |
| Acenaphthene | U | | 0.00171 | 0.00634 | 1 | 08/11/2025 10:57 | WG2575960 |
| Acenaphthylene | 0.00288 | J | 0.00168 | 0.00634 | 1 | 08/11/2025 10:57 | WG2575960 |
| Benzo(a)anthracene | 0.0124 | | 0.00211 | 0.00634 | 1 | 08/11/2025 10:57 | WG2575960 |
| Benzo(a)pyrene | 0.0136 | | 0.00172 | 0.00634 | 1 | 08/11/2025 10:57 | WG2575960 |
| Benzo(b)fluoranthene | 0.0243 | | 0.00290 | 0.00634 | 1 | 08/11/2025 10:57 | WG2575960 |
| Benzo(g,h,i)perylene | U | | 0.00204 | 0.00634 | 1 | 08/11/2025 10:57 | WG2575960 |
| Benzo(k)fluoranthene | U | | 0.00225 | 0.00634 | 1 | 08/11/2025 10:57 | WG2575960 |
| Chrysene | 0.0192 | | 0.00218 | 0.00634 | 1 | 08/11/2025 10:57 | WG2575960 |
| Dibenz(a,h)anthracene | 0.00371 | J | 0.00212 | 0.00634 | 1 | 08/11/2025 10:57 | WG2575960 |
| Fluoranthene | 0.0220 | | 0.00252 | 0.00634 | 1 | 08/11/2025 10:57 | WG2575960 |
| Fluorene | U | | 0.00190 | 0.00634 | 1 | 08/11/2025 10:57 | WG2575960 |
| Indeno(1,2,3-cd)pyrene | 0.0136 | | 0.00247 | 0.00634 | 1 | 08/11/2025 10:57 | WG2575960 |
| Naphthalene | 0.00940 | J | 0.00612 | 0.0211 | 1 | 08/11/2025 10:57 | WG2575960 |
| Phenanthrene | 0.0184 | | 0.00322 | 0.00634 | 1 | 08/11/2025 10:57 | WG2575960 |
| Pyrene | 0.0261 | | 0.00217 | 0.00634 | 1 | 08/11/2025 10:57 | WG2575960 |
| 1-Methylnaphthalene | 0.00772 | J | 0.00231 | 0.0211 | 1 | 08/11/2025 10:57 | WG2575960 |
| 2-Methylnaphthalene | 0.0110 | J | 0.00603 | 0.0211 | 1 | 08/11/2025 10:57 | WG2575960 |
| 2-Chloronaphthalene | U | | 0.00136 | 0.0211 | 1 | 08/11/2025 10:57 | WG2575960 |
| *(S) p-Terphenyl-d14* | *103* | | | *23.0-120* | | *08/11/2025 10:57* | WG2575960 |
| *(S) Nitrobenzene-d5* | *125* | | | *14.0-149* | | *08/11/2025 10:57* | WG2575960 |
| *(S) 2-Fluorobiphenyl* | *94.7* | | | *34.0-125* | | *08/11/2025 10:57* | WG2575960 |

## Total Solids by Method 2540 G-2011

| Analyte | Result | Qualifier | Dilution | Analysis | Batch |
|---|---|---|---|---|---|
| | % | | | date / time | |
| Total Solids | 92.4 | | 1 | 08/08/2025 15:04 | WG2575500 |

## Mercury by Method 7471B

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/kg | | mg/kg | mg/kg | | date / time | |
| Mercury | U | | 0.0223 | 0.0433 | 1 | 08/10/2025 21:23 | WG2576401 |

## Metals (ICPMS) by Method 6020B

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/kg | | mg/kg | mg/kg | | date / time | |
| Antimony | U | | 0.180 | 3.25 | 5 | 08/19/2025 15:29 | WG2576187 |
| Arsenic | 1.15 | | 0.108 | 1.08 | 5 | 08/19/2025 15:29 | WG2576187 |
| Beryllium | 0.411 | J | 0.149 | 2.71 | 5 | 08/19/2025 15:29 | WG2576187 |
| Cadmium | U | | 0.0925 | 1.08 | 5 | 08/19/2025 15:29 | WG2576187 |
| Chromium | 15.3 | | 0.320 | 5.41 | 5 | 08/19/2025 15:29 | WG2576187 |
| Copper | 25.8 | | 0.143 | 5.41 | 5 | 08/19/2025 15:29 | WG2576187 |
| Lead | 3.66 | | 0.107 | 2.16 | 5 | 08/19/2025 15:29 | WG2576187 |
| Manganese | 395 | | 1.45 | 13.5 | 25 | 08/19/2025 15:32 | WG2576187 |
| Nickel | 20.6 | | 0.213 | 2.71 | 5 | 08/19/2025 15:29 | WG2576187 |
| Selenium | 0.271 | J | 0.195 | 2.71 | 5 | 08/19/2025 15:29 | WG2576187 |
| Silver | U | | 0.0936 | 0.541 | 5 | 08/19/2025 15:29 | WG2576187 |
| Titanium | 4430 | | 0.796 | 5.41 | 5 | 08/19/2025 15:29 | WG2576187 |
| Zinc | 61.6 | | 0.801 | 27.1 | 5 | 08/19/2025 15:29 | WG2576187 |

## Volatile Organic Compounds (GC) by Method NWTPHGX

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/kg | | mg/kg | mg/kg | | date / time | |
| Gasoline Range Organics-NWTPH | U | | 1.66 | 3.07 | 26.5 | 08/06/2025 11:29 | WG2573751 |
| *(S) a,a,a-Trifluorotoluene(FID)* | *99.1* | | | *77.0-120* | | *08/06/2025 11:29* | WG2573751 |

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

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/kg | | mg/kg | mg/kg | | date / time | |
| Acetone | U | J4 | 0.0903 | 0.129 | 1.12 | 08/06/2025 14:44 | WG2573870 |
| Acrylonitrile | U | | 0.0104 | 0.0162 | 1.12 | 08/06/2025 14:44 | WG2573870 |
| Benzene | U | | 0.000920 | 0.00129 | 1.12 | 08/06/2025 14:44 | WG2573870 |
| Bromobenzene | U | | 0.00505 | 0.0162 | 1.12 | 08/06/2025 14:44 | WG2573870 |
| Bromodichloromethane | U | | 0.00151 | 0.00324 | 1.12 | 08/06/2025 14:44 | WG2573870 |
| Bromoform | U | | 0.0128 | 0.0324 | 1.12 | 08/06/2025 14:44 | WG2573870 |
| Bromomethane | U | | 0.0131 | 0.0162 | 1.12 | 08/06/2025 14:44 | WG2573870 |
| n-Butylbenzene | U | | 0.00809 | 0.0162 | 1.12 | 08/06/2025 14:44 | WG2573870 |
| sec-Butylbenzene | U | | 0.00496 | 0.0162 | 1.12 | 08/06/2025 14:44 | WG2573870 |
| tert-Butylbenzene | U | | 0.00245 | 0.00647 | 1.12 | 08/06/2025 14:44 | WG2573870 |
| Carbon tetrachloride | U | | 0.00390 | 0.00647 | 1.12 | 08/06/2025 14:44 | WG2573870 |
| Chlorobenzene | U | | 0.00111 | 0.00324 | 1.12 | 08/06/2025 14:44 | WG2573870 |
| Chlorodibromomethane | U | | 0.00208 | 0.00324 | 1.12 | 08/06/2025 14:44 | WG2573870 |
| Chloroethane | U | C3 | 0.00736 | 0.0129 | 1.12 | 08/06/2025 14:44 | WG2573870 |
| Chloroform | U | | 0.00209 | 0.00324 | 1.12 | 08/06/2025 14:44 | WG2573870 |
| Chloromethane | U | | 0.0110 | 0.0162 | 1.12 | 08/06/2025 14:44 | WG2573870 |
| 2-Chlorotoluene | U | | 0.00166 | 0.00324 | 1.12 | 08/06/2025 14:44 | WG2573870 |
| 4-Chlorotoluene | U | | 0.00199 | 0.00647 | 1.12 | 08/06/2025 14:44 | WG2573870 |
| 1,2-Dibromo-3-Chloropropane | U | | 0.0139 | 0.0324 | 1.12 | 08/06/2025 14:44 | WG2573870 |
| 1,2-Dibromoethane | U | | 0.00163 | 0.00324 | 1.12 | 08/06/2025 14:44 | WG2573870 |
| Dibromomethane | U | | 0.00230 | 0.00647 | 1.12 | 08/06/2025 14:44 | WG2573870 |

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| 1,2-Dichlorobenzene | U | | 0.00202 | 0.00647 | 1.12 | 08/06/2025 14:44 | WG2573870 |
| 1,3-Dichlorobenzene | U | | 0.00214 | 0.00647 | 1.12 | 08/06/2025 14:44 | WG2573870 |
| 1,4-Dichlorobenzene | U | | 0.00227 | 0.00647 | 1.12 | 08/06/2025 14:44 | WG2573870 |
| Dichlorodifluoromethane | U | | 0.00563 | 0.00647 | 1.12 | 08/06/2025 14:44 | WG2573870 |
| 1,1-Dichloroethane | U | | 0.00131 | 0.00324 | 1.12 | 08/06/2025 14:44 | WG2573870 |
| 1,2-Dichloroethane | U | | 0.00190 | 0.00324 | 1.12 | 08/06/2025 14:44 | WG2573870 |
| 1,1-Dichloroethene | U | | 0.00198 | 0.00324 | 1.12 | 08/06/2025 14:44 | WG2573870 |
| cis-1,2-Dichloroethene | U | | 0.00166 | 0.00324 | 1.12 | 08/06/2025 14:44 | WG2573870 |
| trans-1,2-Dichloroethene | U | | 0.00134 | 0.00647 | 1.12 | 08/06/2025 14:44 | WG2573870 |
| 1,2-Dichloropropane | U | | 0.00249 | 0.00647 | 1.12 | 08/06/2025 14:44 | WG2573870 |
| 1,1-Dichloropropene | U | | 0.00179 | 0.00647 | 1.12 | 08/06/2025 14:44 | WG2573870 |
| 1,3-Dichloropropane | U | | 0.00209 | 0.00647 | 1.12 | 08/06/2025 14:44 | WG2573870 |
| cis-1,3-Dichloropropene | U | | 0.00136 | 0.00324 | 1.12 | 08/06/2025 14:44 | WG2573870 |
| trans-1,3-Dichloropropene | U | | 0.00136 | 0.00647 | 1.12 | 08/06/2025 14:44 | WG2573870 |
| 2,2-Dichloropropane | U | | 0.00261 | 0.00324 | 1.12 | 08/06/2025 14:44 | WG2573870 |
| Di-isopropyl ether | U | | 0.000995 | 0.00129 | 1.12 | 08/06/2025 14:44 | WG2573870 |
| Ethylbenzene | U | | 0.00128 | 0.00324 | 1.12 | 08/06/2025 14:44 | WG2573870 |
| Hexachloro-1,3-butadiene | U | | 0.0135 | 0.0324 | 1.12 | 08/06/2025 14:44 | WG2573870 |
| Isopropylbenzene | U | | 0.00131 | 0.00324 | 1.12 | 08/06/2025 14:44 | WG2573870 |
| p-Isopropyltoluene | U | | 0.00276 | 0.00647 | 1.12 | 08/06/2025 14:44 | WG2573870 |
| 2-Butanone (MEK) | U | | 0.115 | 0.129 | 1.12 | 08/06/2025 14:44 | WG2573870 |
| Methylene Chloride | U | | 0.0142 | 0.0324 | 1.12 | 08/06/2025 14:44 | WG2573870 |
| 4-Methyl-2-pentanone (MIBK) | U | | 0.0128 | 0.0324 | 1.12 | 08/06/2025 14:44 | WG2573870 |
| Methyl tert-butyl ether | U | | 0.00100 | 0.00129 | 1.12 | 08/06/2025 14:44 | WG2573870 |
| Naphthalene | U | | 0.00988 | 0.0162 | 1.12 | 08/06/2025 14:44 | WG2573870 |
| n-Propylbenzene | U | | 0.00218 | 0.00647 | 1.12 | 08/06/2025 14:44 | WG2573870 |
| Styrene | U | | 0.00576 | 0.0162 | 1.12 | 08/06/2025 14:44 | WG2573870 |
| 1,1,1,2-Tetrachloroethane | U | | 0.00169 | 0.00324 | 1.12 | 08/06/2025 14:44 | WG2573870 |
| 1,1,2,2-Tetrachloroethane | U | | 0.00150 | 0.00324 | 1.12 | 08/06/2025 14:44 | WG2573870 |
| 1,1,2-Trichlorotrifluoroethane | U | | 0.00364 | 0.00647 | 1.12 | 08/06/2025 14:44 | WG2573870 |
| Tetrachloroethene | U | | 0.00197 | 0.00324 | 1.12 | 08/06/2025 14:44 | WG2573870 |
| Toluene | U | | 0.00375 | 0.00647 | 1.12 | 08/06/2025 14:44 | WG2573870 |
| 1,2,3-Trichlorobenzene | U | | 0.00905 | 0.0162 | 1.12 | 08/06/2025 14:44 | WG2573870 |
| 1,2,4-Trichlorobenzene | U | | 0.00702 | 0.0162 | 1.12 | 08/06/2025 14:44 | WG2573870 |
| 1,1,1-Trichloroethane | U | | 0.00187 | 0.00324 | 1.12 | 08/06/2025 14:44 | WG2573870 |
| 1,1,2-Trichloroethane | U | | 0.00173 | 0.00324 | 1.12 | 08/06/2025 14:44 | WG2573870 |
| Trichloroethene | U | | 0.00115 | 0.00129 | 1.12 | 08/06/2025 14:44 | WG2573870 |
| Trichlorofluoromethane | U | | 0.00338 | 0.00518 | 1.12 | 08/06/2025 14:44 | WG2573870 |
| 1,2,3-Trichloropropane | U | | 0.00792 | 0.0162 | 1.12 | 08/06/2025 14:44 | WG2573870 |
| 1,2,4-Trimethylbenzene | U | | 0.00309 | 0.00647 | 1.12 | 08/06/2025 14:44 | WG2573870 |
| 1,2,3-Trimethylbenzene | U | | 0.00236 | 0.00647 | 1.12 | 08/06/2025 14:44 | WG2573870 |
| 1,3,5-Trimethylbenzene | U | | 0.00295 | 0.00647 | 1.12 | 08/06/2025 14:44 | WG2573870 |
| Vinyl chloride | U | | 0.00260 | 0.00324 | 1.12 | 08/06/2025 14:44 | WG2573870 |
| Xylenes, Total | U | | 0.00363 | 0.00842 | 1.12 | 08/06/2025 14:44 | WG2573870 |
| *(S) Toluene-d8* | *95.0* | | | *75.0-131* | | *08/06/2025 14:44* | WG2573870 |
| *(S) 4-Bromofluorobenzene* | *104* | | | *67.0-138* | | *08/06/2025 14:44* | WG2573870 |
| *(S) 1,2-Dichloroethane-d4* | *99.4* | | | *70.0-130* | | *08/06/2025 14:44* | WG2573870 |

## Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Diesel Range Organics (DRO) | U | | 1.44 | 4.33 | 1 | 08/11/2025 12:45 | WG2576687 |
| Residual Range Organics (RRO) | U | | 3.60 | 10.8 | 1 | 08/11/2025 12:45 | WG2576687 |
| *(S) o-Terphenyl* | *72.1* | | | *18.0-148* | | *08/11/2025 12:45* | WG2576687 |

## Polychlorinated Biphenyls (GC) by Method 8082 A

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| PCB 1016 | U | | 0.0110 | 0.0368 | 1 | 08/10/2025 18:21 | WG2576643 |
| PCB 1221 | U | | 0.0116 | 0.0368 | 1 | 08/10/2025 18:21 | WG2576643 |
| PCB 1232 | U | | 0.0197 | 0.0368 | 1 | 08/10/2025 18:21 | WG2576643 |
| PCB 1242 | U | | 0.0109 | 0.0368 | 1 | 08/10/2025 18:21 | WG2576643 |
| PCB 1248 | U | | 0.0134 | 0.0184 | 1 | 08/10/2025 18:21 | WG2576643 |
| PCB 1254 | U | | 0.0113 | 0.0184 | 1 | 08/10/2025 18:21 | WG2576643 |
| PCB 1260 | U | | 0.0119 | 0.0184 | 1 | 08/10/2025 18:21 | WG2576643 |
| *(S) Decachlorobiphenyl* | *46.2* | | | *10.0-135* | | *08/10/2025 18:21* | WG2576643 |
| *(S) Tetrachloro-m-xylene* | *75.3* | | | *10.0-139* | | *08/10/2025 18:21* | WG2576643 |

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Anthracene | U | | 0.00176 | 0.00649 | 1 | 08/11/2025 11:17 | WG2575960 |
| Acenaphthene | U | | 0.00175 | 0.00649 | 1 | 08/11/2025 11:17 | WG2575960 |
| Acenaphthylene | U | | 0.00172 | 0.00649 | 1 | 08/11/2025 11:17 | WG2575960 |
| Benzo(a)anthracene | U | | 0.00216 | 0.00649 | 1 | 08/11/2025 11:17 | WG2575960 |
| Benzo(a)pyrene | U | | 0.00176 | 0.00649 | 1 | 08/11/2025 11:17 | WG2575960 |
| Benzo(b)fluoranthene | U | | 0.00298 | 0.00649 | 1 | 08/11/2025 11:17 | WG2575960 |
| Benzo(g,h,i)perylene | U | | 0.00209 | 0.00649 | 1 | 08/11/2025 11:17 | WG2575960 |
| Benzo(k)fluoranthene | U | | 0.00231 | 0.00649 | 1 | 08/11/2025 11:17 | WG2575960 |
| Chrysene | U | | 0.00223 | 0.00649 | 1 | 08/11/2025 11:17 | WG2575960 |
| Dibenz(a,h)anthracene | U | | 0.00218 | 0.00649 | 1 | 08/11/2025 11:17 | WG2575960 |
| Fluoranthene | U | | 0.00259 | 0.00649 | 1 | 08/11/2025 11:17 | WG2575960 |
| Fluorene | U | | 0.00195 | 0.00649 | 1 | 08/11/2025 11:17 | WG2575960 |
| Indeno(1,2,3-cd)pyrene | U | | 0.00253 | 0.00649 | 1 | 08/11/2025 11:17 | WG2575960 |
| Naphthalene | U | | 0.00627 | 0.0216 | 1 | 08/11/2025 11:17 | WG2575960 |
| Phenanthrene | U | | 0.00330 | 0.00649 | 1 | 08/11/2025 11:17 | WG2575960 |
| Pyrene | U | | 0.00222 | 0.00649 | 1 | 08/11/2025 11:17 | WG2575960 |
| 1-Methylnaphthalene | U | | 0.00237 | 0.0216 | 1 | 08/11/2025 11:17 | WG2575960 |
| 2-Methylnaphthalene | U | | 0.00618 | 0.0216 | 1 | 08/11/2025 11:17 | WG2575960 |
| 2-Chloronaphthalene | U | | 0.00140 | 0.0216 | 1 | 08/11/2025 11:17 | WG2575960 |
| *(S) p-Terphenyl-d14* | *114* | | | *23.0-120* | | *08/11/2025 11:17* | WG2575960 |
| *(S) Nitrobenzene-d5* | *125* | | | *14.0-149* | | *08/11/2025 11:17* | WG2575960 |
| *(S) 2-Fluorobiphenyl* | *95.7* | | | *34.0-125* | | *08/11/2025 11:17* | WG2575960 |

## Total Solids by Method 2540 G-2011

| Analyte | Result | Qualifier | Dilution | Analysis | Batch |
|---|---|---|---|---|---|
| | % | | | date / time | |
| Total Solids | 92.5 | | 1 | 08/08/2025 15:04 | WG2575500 |

## Mercury by Method 7471B

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/kg | | mg/kg | mg/kg | | date / time | |
| Mercury | 0.0390 | J | 0.0223 | 0.0432 | 1 | 08/10/2025 21:26 | WG2576401 |

## Metals (ICPMS) by Method 6020B

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/kg | | mg/kg | mg/kg | | date / time | |
| Antimony | 0.424 | J | 0.179 | 3.24 | 5 | 08/19/2025 15:35 | WG2576187 |
| Arsenic | 2.39 | | 0.108 | 1.08 | 5 | 08/19/2025 15:35 | WG2576187 |
| Beryllium | 0.465 | J | 0.149 | 2.70 | 5 | 08/19/2025 15:35 | WG2576187 |
| Cadmium | 0.356 | J | 0.0924 | 1.08 | 5 | 08/19/2025 15:35 | WG2576187 |
| Chromium | 13.1 | | 0.320 | 5.40 | 5 | 08/19/2025 15:35 | WG2576187 |
| Copper | 35.1 | | 0.143 | 5.40 | 5 | 08/19/2025 15:35 | WG2576187 |
| Lead | 46.6 | | 0.107 | 2.16 | 5 | 08/19/2025 15:35 | WG2576187 |
| Manganese | 479 | | 1.45 | 13.5 | 25 | 08/19/2025 15:38 | WG2576187 |
| Nickel | 16.8 | | 0.213 | 2.70 | 5 | 08/19/2025 15:35 | WG2576187 |
| Selenium | 0.397 | J | 0.195 | 2.70 | 5 | 08/19/2025 15:35 | WG2576187 |
| Silver | U | | 0.0935 | 0.540 | 5 | 08/19/2025 15:35 | WG2576187 |
| Titanium | 4190 | | 0.794 | 5.40 | 5 | 08/19/2025 15:35 | WG2576187 |
| Zinc | 172 | | 0.800 | 27.0 | 5 | 08/19/2025 15:35 | WG2576187 |

## Volatile Organic Compounds (GC) by Method NWTPHGX

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/kg | | mg/kg | mg/kg | | date / time | |
| Gasoline Range Organics-NWTPH | U | | 1.58 | 2.93 | 25 | 08/06/2025 11:49 | WG2573751 |
| *(S) a,a,a-Trifluorotoluene(FID)* | *98.4* | | | *77.0-120* | | *08/06/2025 11:49* | WG2573751 |

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

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/kg | | mg/kg | mg/kg | | date / time | |
| Acetone | U | J4 | 0.0814 | 0.117 | 1 | 08/06/2025 15:03 | WG2573870 |
| Acrylonitrile | U | | 0.00938 | 0.0146 | 1 | 08/06/2025 15:03 | WG2573870 |
| Benzene | 0.00174 | | 0.000830 | 0.00117 | 1 | 08/06/2025 15:03 | WG2573870 |
| Bromobenzene | U | | 0.00455 | 0.0146 | 1 | 08/06/2025 15:03 | WG2573870 |
| Bromodichloromethane | U | | 0.00137 | 0.00292 | 1 | 08/06/2025 15:03 | WG2573870 |
| Bromoform | U | | 0.0116 | 0.0292 | 1 | 08/06/2025 15:03 | WG2573870 |
| Bromomethane | U | | 0.0118 | 0.0146 | 1 | 08/06/2025 15:03 | WG2573870 |
| n-Butylbenzene | U | | 0.00730 | 0.0146 | 1 | 08/06/2025 15:03 | WG2573870 |
| sec-Butylbenzene | U | | 0.00447 | 0.0146 | 1 | 08/06/2025 15:03 | WG2573870 |
| tert-Butylbenzene | U | | 0.00221 | 0.00584 | 1 | 08/06/2025 15:03 | WG2573870 |
| Carbon tetrachloride | U | | 0.00351 | 0.00584 | 1 | 08/06/2025 15:03 | WG2573870 |
| Chlorobenzene | U | | 0.00100 | 0.00292 | 1 | 08/06/2025 15:03 | WG2573870 |
| Chlorodibromomethane | U | | 0.00188 | 0.00292 | 1 | 08/06/2025 15:03 | WG2573870 |
| Chloroethane | U | C3 | 0.00664 | 0.0117 | 1 | 08/06/2025 15:03 | WG2573870 |
| Chloroform | U | | 0.00189 | 0.00292 | 1 | 08/06/2025 15:03 | WG2573870 |
| Chloromethane | U | | 0.00993 | 0.0146 | 1 | 08/06/2025 15:03 | WG2573870 |
| 2-Chlorotoluene | U | | 0.00151 | 0.00292 | 1 | 08/06/2025 15:03 | WG2573870 |
| 4-Chlorotoluene | U | | 0.00180 | 0.00584 | 1 | 08/06/2025 15:03 | WG2573870 |
| 1,2-Dibromo-3-Chloropropane | U | | 0.0125 | 0.0292 | 1 | 08/06/2025 15:03 | WG2573870 |
| 1,2-Dibromoethane | U | | 0.00147 | 0.00292 | 1 | 08/06/2025 15:03 | WG2573870 |
| Dibromomethane | U | | 0.00208 | 0.00584 | 1 | 08/06/2025 15:03 | WG2573870 |

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| 1,2-Dichlorobenzene | U | | 0.00182 | 0.00584 | 1 | 08/06/2025 15:03 | WG2573870 |
| 1,3-Dichlorobenzene | U | | 0.00193 | 0.00584 | 1 | 08/06/2025 15:03 | WG2573870 |
| 1,4-Dichlorobenzene | U | | 0.00204 | 0.00584 | 1 | 08/06/2025 15:03 | WG2573870 |
| Dichlorodifluoromethane | U | | 0.00508 | 0.00584 | 1 | 08/06/2025 15:03 | WG2573870 |
| 1,1-Dichloroethane | U | | 0.00118 | 0.00292 | 1 | 08/06/2025 15:03 | WG2573870 |
| 1,2-Dichloroethane | U | | 0.00170 | 0.00292 | 1 | 08/06/2025 15:03 | WG2573870 |
| 1,1-Dichloroethene | U | | 0.00179 | 0.00292 | 1 | 08/06/2025 15:03 | WG2573870 |
| cis-1,2-Dichloroethene | U | | 0.00151 | 0.00292 | 1 | 08/06/2025 15:03 | WG2573870 |
| trans-1,2-Dichloroethene | U | | 0.00121 | 0.00584 | 1 | 08/06/2025 15:03 | WG2573870 |
| 1,2-Dichloropropane | U | | 0.00224 | 0.00584 | 1 | 08/06/2025 15:03 | WG2573870 |
| 1,1-Dichloropropene | U | | 0.00161 | 0.00584 | 1 | 08/06/2025 15:03 | WG2573870 |
| 1,3-Dichloropropane | U | | 0.00189 | 0.00584 | 1 | 08/06/2025 15:03 | WG2573870 |
| cis-1,3-Dichloropropene | U | | 0.00123 | 0.00292 | 1 | 08/06/2025 15:03 | WG2573870 |
| trans-1,3-Dichloropropene | U | | 0.00123 | 0.00584 | 1 | 08/06/2025 15:03 | WG2573870 |
| 2,2-Dichloropropane | U | | 0.00236 | 0.00292 | 1 | 08/06/2025 15:03 | WG2573870 |
| Di-isopropyl ether | U | | 0.000898 | 0.00117 | 1 | 08/06/2025 15:03 | WG2573870 |
| Ethylbenzene | 0.00115 | J | 0.00115 | 0.00292 | 1 | 08/06/2025 15:03 | WG2573870 |
| Hexachloro-1,3-butadiene | U | | 0.0121 | 0.0292 | 1 | 08/06/2025 15:03 | WG2573870 |
| Isopropylbenzene | 0.00159 | J | 0.00118 | 0.00292 | 1 | 08/06/2025 15:03 | WG2573870 |
| p-Isopropyltoluene | 0.00465 | J | 0.00249 | 0.00584 | 1 | 08/06/2025 15:03 | WG2573870 |
| 2-Butanone (MEK) | U | | 0.104 | 0.117 | 1 | 08/06/2025 15:03 | WG2573870 |
| Methylene Chloride | U | | 0.0128 | 0.0292 | 1 | 08/06/2025 15:03 | WG2573870 |
| 4-Methyl-2-pentanone (MIBK) | U | | 0.0116 | 0.0292 | 1 | 08/06/2025 15:03 | WG2573870 |
| Methyl tert-butyl ether | U | | 0.000903 | 0.00117 | 1 | 08/06/2025 15:03 | WG2573870 |
| Naphthalene | 0.0168 | | 0.00891 | 0.0146 | 1 | 08/06/2025 15:03 | WG2573870 |
| n-Propylbenzene | U | | 0.00197 | 0.00584 | 1 | 08/06/2025 15:03 | WG2573870 |
| Styrene | U | | 0.00520 | 0.0146 | 1 | 08/06/2025 15:03 | WG2573870 |
| 1,1,1,2-Tetrachloroethane | U | | 0.00152 | 0.00292 | 1 | 08/06/2025 15:03 | WG2573870 |
| 1,1,2,2-Tetrachloroethane | U | | 0.00135 | 0.00292 | 1 | 08/06/2025 15:03 | WG2573870 |
| 1,1,2-Trichlorotrifluoroethane | U | | 0.00328 | 0.00584 | 1 | 08/06/2025 15:03 | WG2573870 |
| Tetrachloroethene | 0.0262 | | 0.00177 | 0.00292 | 1 | 08/06/2025 15:03 | WG2573870 |
| Toluene | 0.00430 | J | 0.00337 | 0.00584 | 1 | 08/06/2025 15:03 | WG2573870 |
| 1,2,3-Trichlorobenzene | U | | 0.00816 | 0.0146 | 1 | 08/06/2025 15:03 | WG2573870 |
| 1,2,4-Trichlorobenzene | U | | 0.00633 | 0.0146 | 1 | 08/06/2025 15:03 | WG2573870 |
| 1,1,1-Trichloroethane | 0.00217 | J | 0.00169 | 0.00292 | 1 | 08/06/2025 15:03 | WG2573870 |
| 1,1,2-Trichloroethane | U | | 0.00156 | 0.00292 | 1 | 08/06/2025 15:03 | WG2573870 |
| Trichloroethene | 0.00932 | | 0.00104 | 0.00117 | 1 | 08/06/2025 15:03 | WG2573870 |
| Trichlorofluoromethane | U | | 0.00305 | 0.00467 | 1 | 08/06/2025 15:03 | WG2573870 |
| 1,2,3-Trichloropropane | U | | 0.00715 | 0.0146 | 1 | 08/06/2025 15:03 | WG2573870 |
| 1,2,4-Trimethylbenzene | 0.0126 | | 0.00278 | 0.00584 | 1 | 08/06/2025 15:03 | WG2573870 |
| 1,2,3-Trimethylbenzene | 0.0107 | | 0.00213 | 0.00584 | 1 | 08/06/2025 15:03 | WG2573870 |
| 1,3,5-Trimethylbenzene | 0.00360 | J | 0.00266 | 0.00584 | 1 | 08/06/2025 15:03 | WG2573870 |
| Vinyl chloride | U | | 0.00235 | 0.00292 | 1 | 08/06/2025 15:03 | WG2573870 |
| Xylenes, Total | 0.0161 | | 0.00327 | 0.00759 | 1 | 08/06/2025 15:03 | WG2573870 |
| *(S) Toluene-d8* | *96.7* | | | *75.0-131* | | *08/06/2025 15:03* | WG2573870 |
| *(S) 4-Bromofluorobenzene* | *106* | | | *67.0-138* | | *08/06/2025 15:03* | WG2573870 |
| *(S) 1,2-Dichloroethane-d4* | *93.9* | | | *70.0-130* | | *08/06/2025 15:03* | WG2573870 |

## Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Diesel Range Organics (DRO) | 7.53 | | 1.44 | 4.32 | 1 | 08/11/2025 13:13 | WG2576687 |
| Residual Range Organics (RRO) | 39.1 | | 3.60 | 10.8 | 1 | 08/11/2025 13:13 | WG2576687 |
| *(S) o-Terphenyl* | *64.4* | | | *18.0-148* | | *08/11/2025 13:13* | WG2576687 |

## Polychlorinated Biphenyls (GC) by Method 8082 A

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| PCB 1016 | U | | 0.0110 | 0.0367 | 1 | 08/10/2025 18:30 | WG2576643 |
| PCB 1221 | U | | 0.0116 | 0.0367 | 1 | 08/10/2025 18:30 | WG2576643 |
| PCB 1232 | U | | 0.0197 | 0.0367 | 1 | 08/10/2025 18:30 | WG2576643 |
| PCB 1242 | U | | 0.0109 | 0.0367 | 1 | 08/10/2025 18:30 | WG2576643 |
| PCB 1248 | U | | 0.0134 | 0.0184 | 1 | 08/10/2025 18:30 | WG2576643 |
| PCB 1254 | U | | 0.0112 | 0.0184 | 1 | 08/10/2025 18:30 | WG2576643 |
| PCB 1260 | U | | 0.0119 | 0.0184 | 1 | 08/10/2025 18:30 | WG2576643 |
| *(S) Decachlorobiphenyl* | *41.6* | | | *10.0-135* | | *08/10/2025 18:30* | WG2576643 |
| *(S) Tetrachloro-m-xylene* | *69.8* | | | *10.0-139* | | *08/10/2025 18:30* | WG2576643 |

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Anthracene | 0.00265 | J | 0.00176 | 0.00648 | 1 | 08/11/2025 12:15 | WG2575960 |
| Acenaphthene | U | | 0.00175 | 0.00648 | 1 | 08/11/2025 12:15 | WG2575960 |
| Acenaphthylene | 0.00358 | J | 0.00172 | 0.00648 | 1 | 08/11/2025 12:15 | WG2575960 |
| Benzo(a)anthracene | 0.0180 | | 0.00216 | 0.00648 | 1 | 08/11/2025 12:15 | WG2575960 |
| Benzo(a)pyrene | 0.0195 | | 0.00176 | 0.00648 | 1 | 08/11/2025 12:15 | WG2575960 |
| Benzo(b)fluoranthene | 0.0243 | | 0.00297 | 0.00648 | 1 | 08/11/2025 12:15 | WG2575960 |
| Benzo(g,h,i)perylene | 0.0180 | | 0.00209 | 0.00648 | 1 | 08/11/2025 12:15 | WG2575960 |
| Benzo(k)fluoranthene | U | | 0.00230 | 0.00648 | 1 | 08/11/2025 12:15 | WG2575960 |
| Chrysene | 0.0184 | | 0.00223 | 0.00648 | 1 | 08/11/2025 12:15 | WG2575960 |
| Dibenz(a,h)anthracene | 0.00309 | J | 0.00217 | 0.00648 | 1 | 08/11/2025 12:15 | WG2575960 |
| Fluoranthene | 0.0298 | | 0.00258 | 0.00648 | 1 | 08/11/2025 12:15 | WG2575960 |
| Fluorene | U | | 0.00195 | 0.00648 | 1 | 08/11/2025 12:15 | WG2575960 |
| Indeno(1,2,3-cd)pyrene | 0.0135 | | 0.00253 | 0.00648 | 1 | 08/11/2025 12:15 | WG2575960 |
| Naphthalene | 0.00646 | J | 0.00626 | 0.0216 | 1 | 08/11/2025 12:15 | WG2575960 |
| Phenanthrene | 0.0151 | | 0.00330 | 0.00648 | 1 | 08/11/2025 12:15 | WG2575960 |
| Pyrene | 0.0456 | | 0.00222 | 0.00648 | 1 | 08/11/2025 12:15 | WG2575960 |
| 1-Methylnaphthalene | 0.00411 | J | 0.00237 | 0.0216 | 1 | 08/11/2025 12:15 | WG2575960 |
| 2-Methylnaphthalene | U | | 0.00617 | 0.0216 | 1 | 08/11/2025 12:15 | WG2575960 |
| 2-Chloronaphthalene | U | | 0.00139 | 0.0216 | 1 | 08/11/2025 12:15 | WG2575960 |
| *(S) p-Terphenyl-d14* | *101* | | | *23.0-120* | | *08/11/2025 12:15* | WG2575960 |
| *(S) Nitrobenzene-d5* | *116* | | | *14.0-149* | | *08/11/2025 12:15* | WG2575960 |
| *(S) 2-Fluorobiphenyl* | *89.3* | | | *34.0-125* | | *08/11/2025 12:15* | WG2575960 |

## Total Solids by Method 2540 G-2011

| Analyte | Result | Qualifier | Dilution | Analysis | Batch |
|---|---|---|---|---|---|
| | % | | | date / time | |
| Total Solids | 92.5 | | 1 | 08/08/2025 15:04 | WG2575500 |

## Mercury by Method 7471B

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/kg | | mg/kg | mg/kg | | date / time | |
| Mercury | U | | 0.0223 | 0.0432 | 1 | 08/10/2025 21:28 | WG2576401 |

## Metals (ICPMS) by Method 6020B

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/kg | | mg/kg | mg/kg | | date / time | |
| Antimony | U | | 0.179 | 3.24 | 5 | 08/19/2025 15:41 | WG2576187 |
| Arsenic | 1.34 | | 0.108 | 1.08 | 5 | 08/19/2025 15:41 | WG2576187 |
| Beryllium | 0.327 | J | 0.149 | 2.70 | 5 | 08/19/2025 15:41 | WG2576187 |
| Cadmium | U | | 0.0924 | 1.08 | 5 | 08/19/2025 15:41 | WG2576187 |
| Chromium | 10.7 | | 0.320 | 5.40 | 5 | 08/19/2025 15:41 | WG2576187 |
| Copper | 24.9 | | 0.143 | 5.40 | 5 | 08/19/2025 15:41 | WG2576187 |
| Lead | 2.38 | | 0.107 | 2.16 | 5 | 08/19/2025 15:41 | WG2576187 |
| Manganese | 362 | | 1.45 | 13.5 | 25 | 08/19/2025 16:01 | WG2576187 |
| Nickel | 23.1 | | 0.213 | 2.70 | 5 | 08/19/2025 15:41 | WG2576187 |
| Selenium | 0.232 | J | 0.195 | 2.70 | 5 | 08/19/2025 15:41 | WG2576187 |
| Silver | U | | 0.0935 | 0.540 | 5 | 08/19/2025 15:41 | WG2576187 |
| Titanium | 3180 | | 0.794 | 5.40 | 5 | 08/19/2025 15:41 | WG2576187 |
| Zinc | 53.5 | | 0.800 | 27.0 | 5 | 08/19/2025 15:41 | WG2576187 |

## Volatile Organic Compounds (GC) by Method NWTPHGX

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/kg | | mg/kg | mg/kg | | date / time | |
| Gasoline Range Organics-NWTPH | U | | 1.69 | 3.12 | 27 | 08/06/2025 12:08 | WG2573751 |
| *(S) a,a,a-Trifluorotoluene(FID)* | *101* | | | *77.0-120* | | *08/06/2025 12:08* | WG2573751 |

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

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/kg | | mg/kg | mg/kg | | date / time | |
| Acetone | U | J4 | 0.0862 | 0.124 | 1.07 | 08/06/2025 15:21 | WG2573870 |
| Acrylonitrile | U | | 0.00993 | 0.0155 | 1.07 | 08/06/2025 15:21 | WG2573870 |
| Benzene | U | | 0.000879 | 0.00124 | 1.07 | 08/06/2025 15:21 | WG2573870 |
| Bromobenzene | U | | 0.00482 | 0.0155 | 1.07 | 08/06/2025 15:21 | WG2573870 |
| Bromodichloromethane | U | | 0.00144 | 0.00310 | 1.07 | 08/06/2025 15:21 | WG2573870 |
| Bromoform | U | | 0.0123 | 0.0310 | 1.07 | 08/06/2025 15:21 | WG2573870 |
| Bromomethane | U | | 0.0125 | 0.0155 | 1.07 | 08/06/2025 15:21 | WG2573870 |
| n-Butylbenzene | U | | 0.00773 | 0.0155 | 1.07 | 08/06/2025 15:21 | WG2573870 |
| sec-Butylbenzene | U | | 0.00474 | 0.0155 | 1.07 | 08/06/2025 15:21 | WG2573870 |
| tert-Butylbenzene | U | | 0.00233 | 0.00618 | 1.07 | 08/06/2025 15:21 | WG2573870 |
| Carbon tetrachloride | U | | 0.00372 | 0.00618 | 1.07 | 08/06/2025 15:21 | WG2573870 |
| Chlorobenzene | U | | 0.00106 | 0.00310 | 1.07 | 08/06/2025 15:21 | WG2573870 |
| Chlorodibromomethane | U | | 0.00199 | 0.00310 | 1.07 | 08/06/2025 15:21 | WG2573870 |
| Chloroethane | U | C3 | 0.00704 | 0.0124 | 1.07 | 08/06/2025 15:21 | WG2573870 |
| Chloroform | U | | 0.00200 | 0.00310 | 1.07 | 08/06/2025 15:21 | WG2573870 |
| Chloromethane | U | | 0.0105 | 0.0155 | 1.07 | 08/06/2025 15:21 | WG2573870 |
| 2-Chlorotoluene | U | | 0.00159 | 0.00310 | 1.07 | 08/06/2025 15:21 | WG2573870 |
| 4-Chlorotoluene | U | | 0.00191 | 0.00618 | 1.07 | 08/06/2025 15:21 | WG2573870 |
| 1,2-Dibromo-3-Chloropropane | U | | 0.0132 | 0.0310 | 1.07 | 08/06/2025 15:21 | WG2573870 |
| 1,2-Dibromoethane | U | | 0.00156 | 0.00310 | 1.07 | 08/06/2025 15:21 | WG2573870 |
| Dibromomethane | U | | 0.00220 | 0.00618 | 1.07 | 08/06/2025 15:21 | WG2573870 |

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| 1,2-Dichlorobenzene | U | | 0.00193 | 0.00618 | 1.07 | 08/06/2025 15:21 | WG2573870 |
| 1,3-Dichlorobenzene | U | | 0.00205 | 0.00618 | 1.07 | 08/06/2025 15:21 | WG2573870 |
| 1,4-Dichlorobenzene | U | | 0.00216 | 0.00618 | 1.07 | 08/06/2025 15:21 | WG2573870 |
| Dichlorodifluoromethane | U | | 0.00537 | 0.00618 | 1.07 | 08/06/2025 15:21 | WG2573870 |
| 1,1-Dichloroethane | U | | 0.00125 | 0.00310 | 1.07 | 08/06/2025 15:21 | WG2573870 |
| 1,2-Dichloroethane | U | | 0.00180 | 0.00310 | 1.07 | 08/06/2025 15:21 | WG2573870 |
| 1,1-Dichloroethene | U | | 0.00190 | 0.00310 | 1.07 | 08/06/2025 15:21 | WG2573870 |
| cis-1,2-Dichloroethene | U | | 0.00159 | 0.00310 | 1.07 | 08/06/2025 15:21 | WG2573870 |
| trans-1,2-Dichloroethene | U | | 0.00128 | 0.00618 | 1.07 | 08/06/2025 15:21 | WG2573870 |
| 1,2-Dichloropropane | U | | 0.00237 | 0.00618 | 1.07 | 08/06/2025 15:21 | WG2573870 |
| 1,1-Dichloropropene | U | | 0.00171 | 0.00618 | 1.07 | 08/06/2025 15:21 | WG2573870 |
| 1,3-Dichloropropane | U | | 0.00200 | 0.00618 | 1.07 | 08/06/2025 15:21 | WG2573870 |
| cis-1,3-Dichloropropene | U | | 0.00129 | 0.00310 | 1.07 | 08/06/2025 15:21 | WG2573870 |
| trans-1,3-Dichloropropene | U | | 0.00129 | 0.00618 | 1.07 | 08/06/2025 15:21 | WG2573870 |
| 2,2-Dichloropropane | U | | 0.00250 | 0.00310 | 1.07 | 08/06/2025 15:21 | WG2573870 |
| Di-isopropyl ether | U | | 0.000951 | 0.00124 | 1.07 | 08/06/2025 15:21 | WG2573870 |
| Ethylbenzene | U | | 0.00123 | 0.00310 | 1.07 | 08/06/2025 15:21 | WG2573870 |
| Hexachloro-1,3-butadiene | U | | 0.0129 | 0.0310 | 1.07 | 08/06/2025 15:21 | WG2573870 |
| Isopropylbenzene | U | | 0.00125 | 0.00310 | 1.07 | 08/06/2025 15:21 | WG2573870 |
| p-Isopropyltoluene | U | | 0.00263 | 0.00618 | 1.07 | 08/06/2025 15:21 | WG2573870 |
| 2-Butanone (MEK) | U | | 0.110 | 0.124 | 1.07 | 08/06/2025 15:21 | WG2573870 |
| Methylene Chloride | U | | 0.0136 | 0.0310 | 1.07 | 08/06/2025 15:21 | WG2573870 |
| 4-Methyl-2-pentanone (MIBK) | U | | 0.0123 | 0.0310 | 1.07 | 08/06/2025 15:21 | WG2573870 |
| Methyl tert-butyl ether | U | | 0.000956 | 0.00124 | 1.07 | 08/06/2025 15:21 | WG2573870 |
| Naphthalene | U | | 0.00943 | 0.0155 | 1.07 | 08/06/2025 15:21 | WG2573870 |
| n-Propylbenzene | U | | 0.00209 | 0.00618 | 1.07 | 08/06/2025 15:21 | WG2573870 |
| Styrene | U | | 0.00550 | 0.0155 | 1.07 | 08/06/2025 15:21 | WG2573870 |
| 1,1,1,2-Tetrachloroethane | U | | 0.00161 | 0.00310 | 1.07 | 08/06/2025 15:21 | WG2573870 |
| 1,1,2,2-Tetrachloroethane | U | | 0.00143 | 0.00310 | 1.07 | 08/06/2025 15:21 | WG2573870 |
| 1,1,2-Trichlorotrifluoroethane | U | | 0.00348 | 0.00618 | 1.07 | 08/06/2025 15:21 | WG2573870 |
| Tetrachloroethene | U | | 0.00188 | 0.00310 | 1.07 | 08/06/2025 15:21 | WG2573870 |
| Toluene | U | | 0.00357 | 0.00618 | 1.07 | 08/06/2025 15:21 | WG2573870 |
| 1,2,3-Trichlorobenzene | U | | 0.00864 | 0.0155 | 1.07 | 08/06/2025 15:21 | WG2573870 |
| 1,2,4-Trichlorobenzene | U | | 0.00670 | 0.0155 | 1.07 | 08/06/2025 15:21 | WG2573870 |
| 1,1,1-Trichloroethane | U | | 0.00179 | 0.00310 | 1.07 | 08/06/2025 15:21 | WG2573870 |
| 1,1,2-Trichloroethane | U | | 0.00165 | 0.00310 | 1.07 | 08/06/2025 15:21 | WG2573870 |
| Trichloroethene | U | | 0.00110 | 0.00124 | 1.07 | 08/06/2025 15:21 | WG2573870 |
| Trichlorofluoromethane | U | | 0.00322 | 0.00495 | 1.07 | 08/06/2025 15:21 | WG2573870 |
| 1,2,3-Trichloropropane | U | | 0.00757 | 0.0155 | 1.07 | 08/06/2025 15:21 | WG2573870 |
| 1,2,4-Trimethylbenzene | U | | 0.00295 | 0.00618 | 1.07 | 08/06/2025 15:21 | WG2573870 |
| 1,2,3-Trimethylbenzene | U | | 0.00225 | 0.00618 | 1.07 | 08/06/2025 15:21 | WG2573870 |
| 1,3,5-Trimethylbenzene | U | | 0.00282 | 0.00618 | 1.07 | 08/06/2025 15:21 | WG2573870 |
| Vinyl chloride | U | | 0.00248 | 0.00310 | 1.07 | 08/06/2025 15:21 | WG2573870 |
| Xylenes, Total | U | | 0.00347 | 0.00804 | 1.07 | 08/06/2025 15:21 | WG2573870 |
| *(S) Toluene-d8* | *96.4* | | | *75.0-131* | | *08/06/2025 15:21* | WG2573870 |
| *(S) 4-Bromofluorobenzene* | *108* | | | *67.0-138* | | *08/06/2025 15:21* | WG2573870 |
| *(S) 1,2-Dichloroethane-d4* | *101* | | | *70.0-130* | | *08/06/2025 15:21* | WG2573870 |

## Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Diesel Range Organics (DRO) | U | | 1.44 | 4.32 | 1 | 08/11/2025 12:58 | WG2576687 |
| Residual Range Organics (RRO) | U | | 3.60 | 10.8 | 1 | 08/11/2025 12:58 | WG2576687 |
| *(S) o-Terphenyl* | *73.6* | | | *18.0-148* | | *08/11/2025 12:58* | WG2576687 |

## Polychlorinated Biphenyls (GC) by Method 8082 A

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| PCB 1016 | U | | 0.0110 | 0.0367 | 1 | 08/10/2025 18:40 | WG2576643 |
| PCB 1221 | U | | 0.0116 | 0.0367 | 1 | 08/10/2025 18:40 | WG2576643 |
| PCB 1232 | U | | 0.0197 | 0.0367 | 1 | 08/10/2025 18:40 | WG2576643 |
| PCB 1242 | U | | 0.0109 | 0.0367 | 1 | 08/10/2025 18:40 | WG2576643 |
| PCB 1248 | U | | 0.0134 | 0.0184 | 1 | 08/10/2025 18:40 | WG2576643 |
| PCB 1254 | U | | 0.0112 | 0.0184 | 1 | 08/10/2025 18:40 | WG2576643 |
| PCB 1260 | U | | 0.0119 | 0.0184 | 1 | 08/10/2025 18:40 | WG2576643 |
| *(S) Decachlorobiphenyl* | *46.3* | | | *10.0-135* | | *08/10/2025 18:40* | WG2576643 |
| *(S) Tetrachloro-m-xylene* | *75.1* | | | *10.0-139* | | *08/10/2025 18:40* | WG2576643 |

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Anthracene | U | | 0.00176 | 0.00648 | 1 | 08/11/2025 12:35 | WG2575960 |
| Acenaphthene | U | | 0.00175 | 0.00648 | 1 | 08/11/2025 12:35 | WG2575960 |
| Acenaphthylene | U | | 0.00172 | 0.00648 | 1 | 08/11/2025 12:35 | WG2575960 |
| Benzo(a)anthracene | U | | 0.00216 | 0.00648 | 1 | 08/11/2025 12:35 | WG2575960 |
| Benzo(a)pyrene | U | | 0.00176 | 0.00648 | 1 | 08/11/2025 12:35 | WG2575960 |
| Benzo(b)fluoranthene | U | | 0.00297 | 0.00648 | 1 | 08/11/2025 12:35 | WG2575960 |
| Benzo(g,h,i)perylene | U | | 0.00209 | 0.00648 | 1 | 08/11/2025 12:35 | WG2575960 |
| Benzo(k)fluoranthene | U | | 0.00230 | 0.00648 | 1 | 08/11/2025 12:35 | WG2575960 |
| Chrysene | U | | 0.00223 | 0.00648 | 1 | 08/11/2025 12:35 | WG2575960 |
| Dibenz(a,h)anthracene | U | | 0.00217 | 0.00648 | 1 | 08/11/2025 12:35 | WG2575960 |
| Fluoranthene | U | | 0.00258 | 0.00648 | 1 | 08/11/2025 12:35 | WG2575960 |
| Fluorene | U | | 0.00195 | 0.00648 | 1 | 08/11/2025 12:35 | WG2575960 |
| Indeno(1,2,3-cd)pyrene | U | | 0.00253 | 0.00648 | 1 | 08/11/2025 12:35 | WG2575960 |
| Naphthalene | U | | 0.00626 | 0.0216 | 1 | 08/11/2025 12:35 | WG2575960 |
| Phenanthrene | U | | 0.00330 | 0.00648 | 1 | 08/11/2025 12:35 | WG2575960 |
| Pyrene | U | | 0.00222 | 0.00648 | 1 | 08/11/2025 12:35 | WG2575960 |
| 1-Methylnaphthalene | U | | 0.00237 | 0.0216 | 1 | 08/11/2025 12:35 | WG2575960 |
| 2-Methylnaphthalene | U | | 0.00617 | 0.0216 | 1 | 08/11/2025 12:35 | WG2575960 |
| 2-Chloronaphthalene | U | | 0.00139 | 0.0216 | 1 | 08/11/2025 12:35 | WG2575960 |
| *(S) p-Terphenyl-d14* | *112* | | | *23.0-120* | | *08/11/2025 12:35* | WG2575960 |
| *(S) Nitrobenzene-d5* | *118* | | | *14.0-149* | | *08/11/2025 12:35* | WG2575960 |
| *(S) 2-Fluorobiphenyl* | *92.9* | | | *34.0-125* | | *08/11/2025 12:35* | WG2575960 |

## Total Solids by Method 2540 G-2011

| Analyte | Result | Qualifier | Dilution | Analysis | Batch |
|---|---|---|---|---|---|
| | % | | | date / time | |
| Total Solids | 90.7 | | 1 | 08/08/2025 15:04 | WG2575500 |

## Mercury by Method 7471B

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/kg | | mg/kg | mg/kg | | date / time | |
| Mercury | U | | 0.0227 | 0.0441 | 1 | 08/10/2025 21:31 | WG2576401 |

## Metals (ICPMS) by Method 6020B

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/kg | | mg/kg | mg/kg | | date / time | |
| Antimony | U | | 0.183 | 3.31 | 5 | 08/19/2025 16:04 | WG2576187 |
| Arsenic | 1.92 | | 0.110 | 1.10 | 5 | 08/19/2025 16:04 | WG2576187 |
| Beryllium | 0.403 | J | 0.152 | 2.76 | 5 | 08/19/2025 16:04 | WG2576187 |
| Cadmium | U | | 0.0942 | 1.10 | 5 | 08/19/2025 16:04 | WG2576187 |
| Chromium | 12.3 | | 0.326 | 5.51 | 5 | 08/19/2025 16:04 | WG2576187 |
| Copper | 27.9 | | 0.146 | 5.51 | 5 | 08/19/2025 16:04 | WG2576187 |
| Lead | 3.11 | | 0.109 | 2.20 | 5 | 08/19/2025 16:04 | WG2576187 |
| Manganese | 391 | | 1.48 | 13.8 | 25 | 08/19/2025 16:07 | WG2576187 |
| Nickel | 27.9 | | 0.217 | 2.76 | 5 | 08/19/2025 16:04 | WG2576187 |
| Selenium | 0.352 | J | 0.198 | 2.76 | 5 | 08/19/2025 16:04 | WG2576187 |
| Silver | U | | 0.0953 | 0.551 | 5 | 08/19/2025 16:04 | WG2576187 |
| Titanium | 4130 | | 0.810 | 5.51 | 5 | 08/19/2025 16:04 | WG2576187 |
| Zinc | 62.4 | | 0.816 | 27.6 | 5 | 08/19/2025 16:04 | WG2576187 |

## Volatile Organic Compounds (GC) by Method NWTPHGX

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/kg | | mg/kg | mg/kg | | date / time | |
| Gasoline Range Organics-NWTPH | U | | 1.63 | 3.02 | 25 | 08/06/2025 12:28 | WG2573751 |
| *(S) a,a,a-Trifluorotoluene(FID)* | *101* | | | *77.0-120* | | *08/06/2025 12:28* | WG2573751 |

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

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/kg | | mg/kg | mg/kg | | date / time | |
| Acetone | U | J4 | 0.0871 | 0.125 | 1.04 | 08/06/2025 15:40 | WG2573870 |
| Acrylonitrile | U | | 0.0100 | 0.0156 | 1.04 | 08/06/2025 15:40 | WG2573870 |
| Benzene | U | | 0.000888 | 0.00125 | 1.04 | 08/06/2025 15:40 | WG2573870 |
| Bromobenzene | U | | 0.00488 | 0.0156 | 1.04 | 08/06/2025 15:40 | WG2573870 |
| Bromodichloromethane | U | | 0.00147 | 0.00312 | 1.04 | 08/06/2025 15:40 | WG2573870 |
| Bromoform | U | | 0.0124 | 0.0312 | 1.04 | 08/06/2025 15:40 | WG2573870 |
| Bromomethane | U | | 0.0126 | 0.0156 | 1.04 | 08/06/2025 15:40 | WG2573870 |
| n-Butylbenzene | U | | 0.00781 | 0.0156 | 1.04 | 08/06/2025 15:40 | WG2573870 |
| sec-Butylbenzene | U | | 0.00478 | 0.0156 | 1.04 | 08/06/2025 15:40 | WG2573870 |
| tert-Butylbenzene | U | | 0.00237 | 0.00625 | 1.04 | 08/06/2025 15:40 | WG2573870 |
| Carbon tetrachloride | U | | 0.00376 | 0.00625 | 1.04 | 08/06/2025 15:40 | WG2573870 |
| Chlorobenzene | U | | 0.00107 | 0.00312 | 1.04 | 08/06/2025 15:40 | WG2573870 |
| Chlorodibromomethane | U | | 0.00201 | 0.00312 | 1.04 | 08/06/2025 15:40 | WG2573870 |
| Chloroethane | U | C3 | 0.00711 | 0.0125 | 1.04 | 08/06/2025 15:40 | WG2573870 |
| Chloroform | U | | 0.00202 | 0.00312 | 1.04 | 08/06/2025 15:40 | WG2573870 |
| Chloromethane | U | | 0.0106 | 0.0156 | 1.04 | 08/06/2025 15:40 | WG2573870 |
| 2-Chlorotoluene | U | | 0.00161 | 0.00312 | 1.04 | 08/06/2025 15:40 | WG2573870 |
| 4-Chlorotoluene | U | | 0.00192 | 0.00625 | 1.04 | 08/06/2025 15:40 | WG2573870 |
| 1,2-Dibromo-3-Chloropropane | U | | 0.0133 | 0.0312 | 1.04 | 08/06/2025 15:40 | WG2573870 |
| 1,2-Dibromoethane | U | | 0.00157 | 0.00312 | 1.04 | 08/06/2025 15:40 | WG2573870 |
| Dibromomethane | U | | 0.00222 | 0.00625 | 1.04 | 08/06/2025 15:40 | WG2573870 |

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| 1,2-Dichlorobenzene | U | | 0.00195 | 0.00625 | 1.04 | 08/06/2025 15:40 | WG2573870 |
| 1,3-Dichlorobenzene | U | | 0.00207 | 0.00625 | 1.04 | 08/06/2025 15:40 | WG2573870 |
| 1,4-Dichlorobenzene | U | | 0.00219 | 0.00625 | 1.04 | 08/06/2025 15:40 | WG2573870 |
| Dichlorodifluoromethane | U | | 0.00543 | 0.00625 | 1.04 | 08/06/2025 15:40 | WG2573870 |
| 1,1-Dichloroethane | U | | 0.00126 | 0.00312 | 1.04 | 08/06/2025 15:40 | WG2573870 |
| 1,2-Dichloroethane | U | | 0.00183 | 0.00312 | 1.04 | 08/06/2025 15:40 | WG2573870 |
| 1,1-Dichloroethene | U | | 0.00191 | 0.00312 | 1.04 | 08/06/2025 15:40 | WG2573870 |
| cis-1,2-Dichloroethene | U | | 0.00161 | 0.00312 | 1.04 | 08/06/2025 15:40 | WG2573870 |
| trans-1,2-Dichloroethene | U | | 0.00130 | 0.00625 | 1.04 | 08/06/2025 15:40 | WG2573870 |
| 1,2-Dichloropropane | U | | 0.00240 | 0.00625 | 1.04 | 08/06/2025 15:40 | WG2573870 |
| 1,1-Dichloropropene | U | | 0.00173 | 0.00625 | 1.04 | 08/06/2025 15:40 | WG2573870 |
| 1,3-Dichloropropane | U | | 0.00202 | 0.00625 | 1.04 | 08/06/2025 15:40 | WG2573870 |
| cis-1,3-Dichloropropene | U | | 0.00131 | 0.00312 | 1.04 | 08/06/2025 15:40 | WG2573870 |
| trans-1,3-Dichloropropene | U | | 0.00131 | 0.00625 | 1.04 | 08/06/2025 15:40 | WG2573870 |
| 2,2-Dichloropropane | U | | 0.00252 | 0.00312 | 1.04 | 08/06/2025 15:40 | WG2573870 |
| Di-isopropyl ether | U | | 0.000961 | 0.00125 | 1.04 | 08/06/2025 15:40 | WG2573870 |
| Ethylbenzene | U | | 0.00124 | 0.00312 | 1.04 | 08/06/2025 15:40 | WG2573870 |
| Hexachloro-1,3-butadiene | U | | 0.0130 | 0.0312 | 1.04 | 08/06/2025 15:40 | WG2573870 |
| Isopropylbenzene | U | | 0.00126 | 0.00312 | 1.04 | 08/06/2025 15:40 | WG2573870 |
| p-Isopropyltoluene | U | | 0.00267 | 0.00625 | 1.04 | 08/06/2025 15:40 | WG2573870 |
| 2-Butanone (MEK) | U | | 0.111 | 0.125 | 1.04 | 08/06/2025 15:40 | WG2573870 |
| Methylene Chloride | U | | 0.0137 | 0.0312 | 1.04 | 08/06/2025 15:40 | WG2573870 |
| 4-Methyl-2-pentanone (MIBK) | U | | 0.0124 | 0.0312 | 1.04 | 08/06/2025 15:40 | WG2573870 |
| Methyl tert-butyl ether | U | | 0.000966 | 0.00125 | 1.04 | 08/06/2025 15:40 | WG2573870 |
| Naphthalene | U | | 0.00954 | 0.0156 | 1.04 | 08/06/2025 15:40 | WG2573870 |
| n-Propylbenzene | U | | 0.00211 | 0.00625 | 1.04 | 08/06/2025 15:40 | WG2573870 |
| Styrene | U | | 0.00556 | 0.0156 | 1.04 | 08/06/2025 15:40 | WG2573870 |
| 1,1,1,2-Tetrachloroethane | U | | 0.00162 | 0.00312 | 1.04 | 08/06/2025 15:40 | WG2573870 |
| 1,1,2,2-Tetrachloroethane | U | | 0.00145 | 0.00312 | 1.04 | 08/06/2025 15:40 | WG2573870 |
| 1,1,2-Trichlorotrifluoroethane | U | | 0.00351 | 0.00625 | 1.04 | 08/06/2025 15:40 | WG2573870 |
| Tetrachloroethene | U | | 0.00190 | 0.00312 | 1.04 | 08/06/2025 15:40 | WG2573870 |
| Toluene | U | | 0.00362 | 0.00625 | 1.04 | 08/06/2025 15:40 | WG2573870 |
| 1,2,3-Trichlorobenzene | U | | 0.00873 | 0.0156 | 1.04 | 08/06/2025 15:40 | WG2573870 |
| 1,2,4-Trichlorobenzene | U | | 0.00677 | 0.0156 | 1.04 | 08/06/2025 15:40 | WG2573870 |
| 1,1,1-Trichloroethane | U | | 0.00181 | 0.00312 | 1.04 | 08/06/2025 15:40 | WG2573870 |
| 1,1,2-Trichloroethane | U | | 0.00167 | 0.00312 | 1.04 | 08/06/2025 15:40 | WG2573870 |
| Trichloroethene | U | | 0.00111 | 0.00125 | 1.04 | 08/06/2025 15:40 | WG2573870 |
| Trichlorofluoromethane | U | | 0.00326 | 0.00500 | 1.04 | 08/06/2025 15:40 | WG2573870 |
| 1,2,3-Trichloropropane | U | | 0.00764 | 0.0156 | 1.04 | 08/06/2025 15:40 | WG2573870 |
| 1,2,4-Trimethylbenzene | U | | 0.00298 | 0.00625 | 1.04 | 08/06/2025 15:40 | WG2573870 |
| 1,2,3-Trimethylbenzene | U | | 0.00227 | 0.00625 | 1.04 | 08/06/2025 15:40 | WG2573870 |
| 1,3,5-Trimethylbenzene | U | | 0.00285 | 0.00625 | 1.04 | 08/06/2025 15:40 | WG2573870 |
| Vinyl chloride | U | | 0.00251 | 0.00312 | 1.04 | 08/06/2025 15:40 | WG2573870 |
| Xylenes, Total | U | | 0.00350 | 0.00812 | 1.04 | 08/06/2025 15:40 | WG2573870 |
| *(S) Toluene-d8* | *96.0* | | | *75.0-131* | | *08/06/2025 15:40* | WG2573870 |
| *(S) 4-Bromofluorobenzene* | *107* | | | *67.0-138* | | *08/06/2025 15:40* | WG2573870 |
| *(S) 1,2-Dichloroethane-d4* | *97.8* | | | *70.0-130* | | *08/06/2025 15:40* | WG2573870 |

## Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Diesel Range Organics (DRO) | U | | 1.47 | 4.41 | 1 | 08/11/2025 12:17 | WG2576687 |
| Residual Range Organics (RRO) | U | | 3.67 | 11.0 | 1 | 08/11/2025 12:17 | WG2576687 |
| *(S) o-Terphenyl* | *74.5* | | | *18.0-148* | | *08/11/2025 12:17* | WG2576687 |

## Polychlorinated Biphenyls (GC) by Method 8082 A

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| PCB 1016 | U | | 0.0112 | 0.0375 | 1 | 08/10/2025 18:50 | WG2576643 |
| PCB 1221 | U | | 0.0118 | 0.0375 | 1 | 08/10/2025 18:50 | WG2576643 |
| PCB 1232 | U | | 0.0201 | 0.0375 | 1 | 08/10/2025 18:50 | WG2576643 |
| PCB 1242 | U | | 0.0111 | 0.0375 | 1 | 08/10/2025 18:50 | WG2576643 |
| PCB 1248 | U | | 0.0137 | 0.0187 | 1 | 08/10/2025 18:50 | WG2576643 |
| PCB 1254 | U | | 0.0115 | 0.0187 | 1 | 08/10/2025 18:50 | WG2576643 |
| PCB 1260 | U | | 0.0121 | 0.0187 | 1 | 08/10/2025 18:50 | WG2576643 |
| *(S) Decachlorobiphenyl* | *52.4* | | | *10.0-135* | | *08/10/2025 18:50* | WG2576643 |
| *(S) Tetrachloro-m-xylene* | *80.6* | | | *10.0-139* | | *08/10/2025 18:50* | WG2576643 |

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Anthracene | U | | 0.00180 | 0.00661 | 1 | 08/11/2025 12:54 | WG2575960 |
| Acenaphthene | U | | 0.00179 | 0.00661 | 1 | 08/11/2025 12:54 | WG2575960 |
| Acenaphthylene | U | | 0.00175 | 0.00661 | 1 | 08/11/2025 12:54 | WG2575960 |
| Benzo(a)anthracene | U | | 0.00220 | 0.00661 | 1 | 08/11/2025 12:54 | WG2575960 |
| Benzo(a)pyrene | U | | 0.00180 | 0.00661 | 1 | 08/11/2025 12:54 | WG2575960 |
| Benzo(b)fluoranthene | U | | 0.00303 | 0.00661 | 1 | 08/11/2025 12:54 | WG2575960 |
| Benzo(g,h,i)perylene | U | | 0.00213 | 0.00661 | 1 | 08/11/2025 12:54 | WG2575960 |
| Benzo(k)fluoranthene | U | | 0.00235 | 0.00661 | 1 | 08/11/2025 12:54 | WG2575960 |
| Chrysene | U | | 0.00227 | 0.00661 | 1 | 08/11/2025 12:54 | WG2575960 |
| Dibenz(a,h)anthracene | U | | 0.00222 | 0.00661 | 1 | 08/11/2025 12:54 | WG2575960 |
| Fluoranthene | U | | 0.00263 | 0.00661 | 1 | 08/11/2025 12:54 | WG2575960 |
| Fluorene | U | | 0.00198 | 0.00661 | 1 | 08/11/2025 12:54 | WG2575960 |
| Indeno(1,2,3-cd)pyrene | U | | 0.00258 | 0.00661 | 1 | 08/11/2025 12:54 | WG2575960 |
| Naphthalene | U | | 0.00638 | 0.0220 | 1 | 08/11/2025 12:54 | WG2575960 |
| Phenanthrene | U | | 0.00336 | 0.00661 | 1 | 08/11/2025 12:54 | WG2575960 |
| Pyrene | U | | 0.00226 | 0.00661 | 1 | 08/11/2025 12:54 | WG2575960 |
| 1-Methylnaphthalene | U | | 0.00241 | 0.0220 | 1 | 08/11/2025 12:54 | WG2575960 |
| 2-Methylnaphthalene | U | | 0.00629 | 0.0220 | 1 | 08/11/2025 12:54 | WG2575960 |
| 2-Chloronaphthalene | U | | 0.00142 | 0.0220 | 1 | 08/11/2025 12:54 | WG2575960 |
| *(S) p-Terphenyl-d14* | *122* | J1 | | *23.0-120* | | *08/11/2025 12:54* | WG2575960 |
| *(S) Nitrobenzene-d5* | *128* | | | *14.0-149* | | *08/11/2025 12:54* | WG2575960 |
| *(S) 2-Fluorobiphenyl* | *102* | | | *34.0-125* | | *08/11/2025 12:54* | WG2575960 |

## Total Solids by Method 2540 G-2011

| Analyte | Result | Qualifier | Dilution | Analysis | Batch |
|---|---|---|---|---|---|
| | % | | | date / time | |
| Total Solids | 91.8 | | 1 | 08/08/2025 15:04 | WG2575500 |

## Mercury by Method 7471B

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/kg | | mg/kg | mg/kg | | date / time | |
| Mercury | U | | 0.0224 | 0.0436 | 1 | 08/10/2025 21:34 | WG2576401 |

## Metals (ICPMS) by Method 6020B

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/kg | | mg/kg | mg/kg | | date / time | |
| Antimony | U | | 0.181 | 3.27 | 5 | 08/19/2025 16:10 | WG2576187 |
| Arsenic | 1.73 | | 0.109 | 1.09 | 5 | 08/19/2025 16:10 | WG2576187 |
| Beryllium | 0.449 | J | 0.150 | 2.72 | 5 | 08/19/2025 16:10 | WG2576187 |
| Cadmium | U | | 0.0931 | 1.09 | 5 | 08/19/2025 16:10 | WG2576187 |
| Chromium | 13.2 | | 0.322 | 5.44 | 5 | 08/19/2025 16:10 | WG2576187 |
| Copper | 33.4 | | 0.144 | 5.44 | 5 | 08/19/2025 16:10 | WG2576187 |
| Lead | 3.58 | | 0.108 | 2.18 | 5 | 08/19/2025 16:10 | WG2576187 |
| Manganese | 481 | | 1.46 | 13.6 | 25 | 08/19/2025 16:13 | WG2576187 |
| Nickel | 18.5 | | 0.214 | 2.72 | 5 | 08/19/2025 16:10 | WG2576187 |
| Selenium | 0.283 | J | 0.196 | 2.72 | 5 | 08/19/2025 16:10 | WG2576187 |
| Silver | U | | 0.0942 | 0.544 | 5 | 08/19/2025 16:10 | WG2576187 |
| Titanium | 4450 | | 0.800 | 5.44 | 5 | 08/19/2025 16:10 | WG2576187 |
| Zinc | 76.6 | | 0.806 | 27.2 | 5 | 08/19/2025 16:10 | WG2576187 |

## Volatile Organic Compounds (GC) by Method NWTPHGX

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/kg | | mg/kg | mg/kg | | date / time | |
| Gasoline Range Organics-NWTPH | U | | 1.70 | 3.14 | 26.8 | 08/06/2025 12:47 | WG2573751 |
| *(S) a,a,a-Trifluorotoluene(FID)* | *100* | | | *77.0-120* | | *08/06/2025 12:47* | WG2573751 |

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

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/kg | | mg/kg | mg/kg | | date / time | |
| Acetone | 0.0969 | J J4 | 0.0852 | 0.122 | 1.04 | 08/06/2025 15:59 | WG2573870 |
| Acrylonitrile | U | | 0.00981 | 0.0153 | 1.04 | 08/06/2025 15:59 | WG2573870 |
| Benzene | U | | 0.000868 | 0.00122 | 1.04 | 08/06/2025 15:59 | WG2573870 |
| Bromobenzene | U | | 0.00477 | 0.0153 | 1.04 | 08/06/2025 15:59 | WG2573870 |
| Bromodichloromethane | U | | 0.00143 | 0.00305 | 1.04 | 08/06/2025 15:59 | WG2573870 |
| Bromoform | U | | 0.0121 | 0.0305 | 1.04 | 08/06/2025 15:59 | WG2573870 |
| Bromomethane | U | | 0.0123 | 0.0153 | 1.04 | 08/06/2025 15:59 | WG2573870 |
| n-Butylbenzene | U | | 0.00764 | 0.0153 | 1.04 | 08/06/2025 15:59 | WG2573870 |
| sec-Butylbenzene | U | | 0.00468 | 0.0153 | 1.04 | 08/06/2025 15:59 | WG2573870 |
| tert-Butylbenzene | U | | 0.00231 | 0.00611 | 1.04 | 08/06/2025 15:59 | WG2573870 |
| Carbon tetrachloride | U | | 0.00368 | 0.00611 | 1.04 | 08/06/2025 15:59 | WG2573870 |
| Chlorobenzene | U | | 0.00105 | 0.00305 | 1.04 | 08/06/2025 15:59 | WG2573870 |
| Chlorodibromomethane | U | | 0.00196 | 0.00305 | 1.04 | 08/06/2025 15:59 | WG2573870 |
| Chloroethane | U | C3 | 0.00695 | 0.0122 | 1.04 | 08/06/2025 15:59 | WG2573870 |
| Chloroform | U | | 0.00197 | 0.00305 | 1.04 | 08/06/2025 15:59 | WG2573870 |
| Chloromethane | U | | 0.0104 | 0.0153 | 1.04 | 08/06/2025 15:59 | WG2573870 |
| 2-Chlorotoluene | U | | 0.00157 | 0.00305 | 1.04 | 08/06/2025 15:59 | WG2573870 |
| 4-Chlorotoluene | U | | 0.00188 | 0.00611 | 1.04 | 08/06/2025 15:59 | WG2573870 |
| 1,2-Dibromo-3-Chloropropane | U | | 0.0130 | 0.0305 | 1.04 | 08/06/2025 15:59 | WG2573870 |
| 1,2-Dibromoethane | U | | 0.00154 | 0.00305 | 1.04 | 08/06/2025 15:59 | WG2573870 |
| Dibromomethane | U | | 0.00217 | 0.00611 | 1.04 | 08/06/2025 15:59 | WG2573870 |

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| 1,2-Dichlorobenzene | U | | 0.00190 | 0.00611 | 1.04 | 08/06/2025 15:59 | WG2573870 |
| 1,3-Dichlorobenzene | U | | 0.00202 | 0.00611 | 1.04 | 08/06/2025 15:59 | WG2573870 |
| 1,4-Dichlorobenzene | U | | 0.00214 | 0.00611 | 1.04 | 08/06/2025 15:59 | WG2573870 |
| Dichlorodifluoromethane | U | | 0.00531 | 0.00611 | 1.04 | 08/06/2025 15:59 | WG2573870 |
| 1,1-Dichloroethane | U | | 0.00123 | 0.00305 | 1.04 | 08/06/2025 15:59 | WG2573870 |
| 1,2-Dichloroethane | U | | 0.00179 | 0.00305 | 1.04 | 08/06/2025 15:59 | WG2573870 |
| 1,1-Dichloroethene | U | | 0.00187 | 0.00305 | 1.04 | 08/06/2025 15:59 | WG2573870 |
| cis-1,2-Dichloroethene | U | | 0.00157 | 0.00305 | 1.04 | 08/06/2025 15:59 | WG2573870 |
| trans-1,2-Dichloroethene | U | | 0.00127 | 0.00611 | 1.04 | 08/06/2025 15:59 | WG2573870 |
| 1,2-Dichloropropane | U | | 0.00235 | 0.00611 | 1.04 | 08/06/2025 15:59 | WG2573870 |
| 1,1-Dichloropropene | U | | 0.00169 | 0.00611 | 1.04 | 08/06/2025 15:59 | WG2573870 |
| 1,3-Dichloropropane | U | | 0.00197 | 0.00611 | 1.04 | 08/06/2025 15:59 | WG2573870 |
| cis-1,3-Dichloropropene | U | | 0.00128 | 0.00305 | 1.04 | 08/06/2025 15:59 | WG2573870 |
| trans-1,3-Dichloropropene | U | | 0.00128 | 0.00611 | 1.04 | 08/06/2025 15:59 | WG2573870 |
| 2,2-Dichloropropane | U | | 0.00247 | 0.00305 | 1.04 | 08/06/2025 15:59 | WG2573870 |
| Di-isopropyl ether | U | | 0.000940 | 0.00122 | 1.04 | 08/06/2025 15:59 | WG2573870 |
| Ethylbenzene | U | | 0.00121 | 0.00305 | 1.04 | 08/06/2025 15:59 | WG2573870 |
| Hexachloro-1,3-butadiene | U | | 0.0127 | 0.0305 | 1.04 | 08/06/2025 15:59 | WG2573870 |
| Isopropylbenzene | U | | 0.00123 | 0.00305 | 1.04 | 08/06/2025 15:59 | WG2573870 |
| p-Isopropyltoluene | U | | 0.00261 | 0.00611 | 1.04 | 08/06/2025 15:59 | WG2573870 |
| 2-Butanone (MEK) | U | | 0.108 | 0.122 | 1.04 | 08/06/2025 15:59 | WG2573870 |
| Methylene Chloride | U | | 0.0134 | 0.0305 | 1.04 | 08/06/2025 15:59 | WG2573870 |
| 4-Methyl-2-pentanone (MIBK) | U | | 0.0121 | 0.0305 | 1.04 | 08/06/2025 15:59 | WG2573870 |
| Methyl tert-butyl ether | U | | 0.000944 | 0.00122 | 1.04 | 08/06/2025 15:59 | WG2573870 |
| Naphthalene | U | | 0.00933 | 0.0153 | 1.04 | 08/06/2025 15:59 | WG2573870 |
| n-Propylbenzene | U | | 0.00207 | 0.00611 | 1.04 | 08/06/2025 15:59 | WG2573870 |
| Styrene | U | | 0.00544 | 0.0153 | 1.04 | 08/06/2025 15:59 | WG2573870 |
| 1,1,1,2-Tetrachloroethane | U | | 0.00159 | 0.00305 | 1.04 | 08/06/2025 15:59 | WG2573870 |
| 1,1,2,2-Tetrachloroethane | U | | 0.00142 | 0.00305 | 1.04 | 08/06/2025 15:59 | WG2573870 |
| 1,1,2-Trichlorotrifluoroethane | U | | 0.00343 | 0.00611 | 1.04 | 08/06/2025 15:59 | WG2573870 |
| Tetrachloroethene | U | | 0.00186 | 0.00305 | 1.04 | 08/06/2025 15:59 | WG2573870 |
| Toluene | U | | 0.00354 | 0.00611 | 1.04 | 08/06/2025 15:59 | WG2573870 |
| 1,2,3-Trichlorobenzene | U | | 0.00854 | 0.0153 | 1.04 | 08/06/2025 15:59 | WG2573870 |
| 1,2,4-Trichlorobenzene | U | | 0.00662 | 0.0153 | 1.04 | 08/06/2025 15:59 | WG2573870 |
| 1,1,1-Trichloroethane | U | | 0.00177 | 0.00305 | 1.04 | 08/06/2025 15:59 | WG2573870 |
| 1,1,2-Trichloroethane | U | | 0.00163 | 0.00305 | 1.04 | 08/06/2025 15:59 | WG2573870 |
| Trichloroethene | U | | 0.00109 | 0.00122 | 1.04 | 08/06/2025 15:59 | WG2573870 |
| Trichlorofluoromethane | U | | 0.00318 | 0.00489 | 1.04 | 08/06/2025 15:59 | WG2573870 |
| 1,2,3-Trichloropropane | U | | 0.00747 | 0.0153 | 1.04 | 08/06/2025 15:59 | WG2573870 |
| 1,2,4-Trimethylbenzene | U | | 0.00291 | 0.00611 | 1.04 | 08/06/2025 15:59 | WG2573870 |
| 1,2,3-Trimethylbenzene | U | | 0.00222 | 0.00611 | 1.04 | 08/06/2025 15:59 | WG2573870 |
| 1,3,5-Trimethylbenzene | U | | 0.00278 | 0.00611 | 1.04 | 08/06/2025 15:59 | WG2573870 |
| Vinyl chloride | U | | 0.00246 | 0.00305 | 1.04 | 08/06/2025 15:59 | WG2573870 |
| Xylenes, Total | U | | 0.00342 | 0.00794 | 1.04 | 08/06/2025 15:59 | WG2573870 |
| *(S) Toluene-d8* | *97.5* | | | *75.0-131* | | *08/06/2025 15:59* | WG2573870 |
| *(S) 4-Bromofluorobenzene* | *109* | | | *67.0-138* | | *08/06/2025 15:59* | WG2573870 |
| *(S) 1,2-Dichloroethane-d4* | *96.6* | | | *70.0-130* | | *08/06/2025 15:59* | WG2573870 |

## Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Diesel Range Organics (DRO) | U | | 1.45 | 4.36 | 1 | 08/11/2025 12:31 | WG2576687 |
| Residual Range Organics (RRO) | U | | 3.63 | 10.9 | 1 | 08/11/2025 12:31 | WG2576687 |
| *(S) o-Terphenyl* | *75.3* | | | *18.0-148* | | *08/11/2025 12:31* | WG2576687 |

## Polychlorinated Biphenyls (GC) by Method 8082 A

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| PCB 1016 | U | | 0.0111 | 0.0370 | 1 | 08/10/2025 18:59 | WG2576643 |
| PCB 1221 | U | | 0.0117 | 0.0370 | 1 | 08/10/2025 18:59 | WG2576643 |
| PCB 1232 | U | | 0.0198 | 0.0370 | 1 | 08/10/2025 18:59 | WG2576643 |
| PCB 1242 | U | | 0.0110 | 0.0370 | 1 | 08/10/2025 18:59 | WG2576643 |
| PCB 1248 | U | | 0.0135 | 0.0185 | 1 | 08/10/2025 18:59 | WG2576643 |
| PCB 1254 | U | | 0.0113 | 0.0185 | 1 | 08/10/2025 18:59 | WG2576643 |
| PCB 1260 | U | | 0.0120 | 0.0185 | 1 | 08/10/2025 18:59 | WG2576643 |
| *(S) Decachlorobiphenyl* | *55.2* | | | *10.0-135* | | *08/10/2025 18:59* | WG2576643 |
| *(S) Tetrachloro-m-xylene* | *80.9* | | | *10.0-139* | | *08/10/2025 18:59* | WG2576643 |

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Anthracene | U | | 0.00177 | 0.00653 | 1 | 08/12/2025 04:01 | WG2575960 |
| Acenaphthene | U | | 0.00176 | 0.00653 | 1 | 08/12/2025 04:01 | WG2575960 |
| Acenaphthylene | U | | 0.00173 | 0.00653 | 1 | 08/12/2025 04:01 | WG2575960 |
| Benzo(a)anthracene | U | | 0.00218 | 0.00653 | 1 | 08/12/2025 04:01 | WG2575960 |
| Benzo(a)pyrene | U | | 0.00177 | 0.00653 | 1 | 08/12/2025 04:01 | WG2575960 |
| Benzo(b)fluoranthene | U | | 0.00299 | 0.00653 | 1 | 08/12/2025 04:01 | WG2575960 |
| Benzo(g,h,i)perylene | U | | 0.00210 | 0.00653 | 1 | 08/12/2025 04:01 | WG2575960 |
| Benzo(k)fluoranthene | U | | 0.00232 | 0.00653 | 1 | 08/12/2025 04:01 | WG2575960 |
| Chrysene | U | | 0.00224 | 0.00653 | 1 | 08/12/2025 04:01 | WG2575960 |
| Dibenz(a,h)anthracene | U | | 0.00219 | 0.00653 | 1 | 08/12/2025 04:01 | WG2575960 |
| Fluoranthene | U | | 0.00260 | 0.00653 | 1 | 08/12/2025 04:01 | WG2575960 |
| Fluorene | U | | 0.00196 | 0.00653 | 1 | 08/12/2025 04:01 | WG2575960 |
| Indeno(1,2,3-cd)pyrene | U | | 0.00255 | 0.00653 | 1 | 08/12/2025 04:01 | WG2575960 |
| Naphthalene | U | | 0.00630 | 0.0218 | 1 | 08/12/2025 04:01 | WG2575960 |
| Phenanthrene | U | | 0.00332 | 0.00653 | 1 | 08/12/2025 04:01 | WG2575960 |
| Pyrene | U | | 0.00223 | 0.00653 | 1 | 08/12/2025 04:01 | WG2575960 |
| 1-Methylnaphthalene | U | | 0.00238 | 0.0218 | 1 | 08/12/2025 04:01 | WG2575960 |
| 2-Methylnaphthalene | U | | 0.00622 | 0.0218 | 1 | 08/12/2025 04:01 | WG2575960 |
| 2-Chloronaphthalene | U | | 0.00140 | 0.0218 | 1 | 08/12/2025 04:01 | WG2575960 |
| *(S) p-Terphenyl-d14* | *104* | | | *23.0-120* | | *08/12/2025 04:01* | WG2575960 |
| *(S) Nitrobenzene-d5* | *106* | | | *14.0-149* | | *08/12/2025 04:01* | WG2575960 |
| *(S) 2-Fluorobiphenyl* | *101* | | | *34.0-125* | | *08/12/2025 04:01* | WG2575960 |

## Total Solids by Method 2540 G-2011

| Analyte | Result | Qualifier | Dilution | Analysis | Batch |
|---|---|---|---|---|---|
| | % | | | date / time | |
| Total Solids | 93.6 | | 1 | 08/09/2025 10:23 | WG2576245 |

## Mercury by Method 7471B

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/kg | | mg/kg | mg/kg | | date / time | |
| Mercury | U | | 0.0220 | 0.0427 | 1 | 08/11/2025 13:21 | WG2576397 |

## Metals (ICPMS) by Method 6020B

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/kg | | mg/kg | mg/kg | | date / time | |
| Antimony | U | | 0.177 | 3.21 | 5 | 08/18/2025 18:01 | WG2576540 |
| Arsenic | 1.08 | | 0.107 | 1.07 | 5 | 08/18/2025 18:01 | WG2576540 |
| Beryllium | 0.391 | J | 0.147 | 2.67 | 5 | 08/18/2025 18:01 | WG2576540 |
| Cadmium | 0.0995 | J | 0.0914 | 1.07 | 5 | 08/18/2025 18:01 | WG2576540 |
| Chromium | 7.55 | | 0.316 | 5.34 | 5 | 08/18/2025 18:01 | WG2576540 |
| Copper | 25.3 | | 0.141 | 5.34 | 5 | 08/18/2025 18:01 | WG2576540 |
| Lead | 3.31 | | 0.106 | 2.14 | 5 | 08/18/2025 18:01 | WG2576540 |
| Manganese | 360 | | 0.574 | 5.34 | 10 | 08/18/2025 18:40 | WG2576540 |
| Nickel | 10.6 | | 0.211 | 2.67 | 5 | 08/18/2025 18:01 | WG2576540 |
| Selenium | 0.403 | J | 0.192 | 2.67 | 5 | 08/18/2025 18:01 | WG2576540 |
| Silver | U | | 0.0924 | 0.534 | 5 | 08/18/2025 18:01 | WG2576540 |
| Titanium | 3270 | | 15.7 | 107 | 100 | 08/18/2025 18:43 | WG2576540 |
| Zinc | 55.3 | | 0.791 | 26.7 | 5 | 08/18/2025 18:01 | WG2576540 |

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

| Analyte | Result | Qualifier | MDL | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | ug/l | | ug/l | ug/l | | date / time | |
| Acetone | U | J4 | 46.9 | 50.0 | 1 | 08/05/2025 10:51 | WG2573021 |
| Acrolein | U | C3 | 25.0 | 50.0 | 1 | 08/05/2025 10:51 | WG2573021 |
| Acrylonitrile | U | J4 | 8.09 | 10.0 | 1 | 08/05/2025 10:51 | WG2573021 |
| Benzene | U | | 0.320 | 1.00 | 1 | 08/05/2025 10:51 | WG2573021 |
| Bromobenzene | U | | 0.277 | 1.00 | 1 | 08/05/2025 10:51 | WG2573021 |
| Bromodichloromethane | U | | 0.371 | 1.00 | 1 | 08/05/2025 10:51 | WG2573021 |
| Bromoform | U | | 0.548 | 1.00 | 1 | 08/05/2025 10:51 | WG2573021 |
| Bromomethane | U | | 4.85 | 5.00 | 1 | 08/05/2025 10:51 | WG2573021 |
| n-Butylbenzene | U | | 0.516 | 1.00 | 1 | 08/05/2025 10:51 | WG2573021 |
| sec-Butylbenzene | U | | 0.355 | 1.00 | 1 | 08/05/2025 10:51 | WG2573021 |
| tert-Butylbenzene | U | | 0.314 | 1.00 | 1 | 08/05/2025 10:51 | WG2573021 |
| Carbon tetrachloride | U | | 0.360 | 1.00 | 1 | 08/05/2025 10:51 | WG2573021 |
| Chlorobenzene | U | | 0.266 | 1.00 | 1 | 08/05/2025 10:51 | WG2573021 |
| Chlorodibromomethane | U | | 0.398 | 1.00 | 1 | 08/05/2025 10:51 | WG2573021 |
| Chloroethane | U | | 2.79 | 5.00 | 1 | 08/05/2025 10:51 | WG2573021 |
| Chloroform | U | | 1.28 | 5.00 | 1 | 08/05/2025 10:51 | WG2573021 |
| Chloromethane | U | | 1.70 | 5.00 | 1 | 08/05/2025 10:51 | WG2573021 |
| 2-Chlorotoluene | U | | 0.273 | 1.00 | 1 | 08/05/2025 10:51 | WG2573021 |
| 4-Chlorotoluene | U | | 0.256 | 1.00 | 1 | 08/05/2025 10:51 | WG2573021 |
| 1,2-Dibromo-3-Chloropropane | U | | 1.25 | 5.00 | 1 | 08/05/2025 10:51 | WG2573021 |
| 1,2-Dibromoethane | U | | 0.341 | 1.00 | 1 | 08/05/2025 10:51 | WG2573021 |
| Dibromomethane | U | | 0.422 | 1.00 | 1 | 08/05/2025 10:51 | WG2573021 |
| 1,2-Dichlorobenzene | U | | 0.304 | 1.00 | 1 | 08/05/2025 10:51 | WG2573021 |
| 1,3-Dichlorobenzene | U | | 0.282 | 1.00 | 1 | 08/05/2025 10:51 | WG2573021 |
| 1,4-Dichlorobenzene | U | | 0.277 | 1.00 | 1 | 08/05/2025 10:51 | WG2573021 |
| Dichlorodifluoromethane | U | | 2.41 | 5.00 | 1 | 08/05/2025 10:51 | WG2573021 |
| 1,1-Dichloroethane | U | | 0.389 | 1.00 | 1 | 08/05/2025 10:51 | WG2573021 |
| 1,2-Dichloroethane | U | | 0.395 | 1.00 | 1 | 08/05/2025 10:51 | WG2573021 |
| 1,1-Dichloroethene | U | | 0.422 | 1.00 | 1 | 08/05/2025 10:51 | WG2573021 |
| cis-1,2-Dichloroethene | U | | 0.323 | 1.00 | 1 | 08/05/2025 10:51 | WG2573021 |
| trans-1,2-Dichloroethene | U | | 0.348 | 1.00 | 1 | 08/05/2025 10:51 | WG2573021 |
| 1,2-Dichloropropane | U | | 0.427 | 1.00 | 1 | 08/05/2025 10:51 | WG2573021 |
| 1,1-Dichloropropene | U | | 0.359 | 1.00 | 1 | 08/05/2025 10:51 | WG2573021 |
| 1,3-Dichloropropane | U | | 0.283 | 1.00 | 1 | 08/05/2025 10:51 | WG2573021 |
| cis-1,3-Dichloropropene | U | | 0.348 | 1.00 | 1 | 08/05/2025 10:51 | WG2573021 |
| trans-1,3-Dichloropropene | U | | 0.313 | 1.00 | 1 | 08/05/2025 10:51 | WG2573021 |
| 2,2-Dichloropropane | U | | 0.463 | 1.00 | 1 | 08/05/2025 10:51 | WG2573021 |
| Di-isopropyl ether | U | | 0.105 | 1.00 | 1 | 08/05/2025 10:51 | WG2573021 |
| Ethylbenzene | U | | 0.234 | 1.00 | 1 | 08/05/2025 10:51 | WG2573021 |
| Hexachloro-1,3-butadiene | U | | 0.650 | 2.00 | 1 | 08/05/2025 10:51 | WG2573021 |
| Isopropylbenzene | U | | 0.105 | 1.00 | 1 | 08/05/2025 10:51 | WG2573021 |
| p-Isopropyltoluene | U | | 0.345 | 1.00 | 1 | 08/05/2025 10:51 | WG2573021 |
| 2-Butanone (MEK) | U | | 9.00 | 20.0 | 1 | 08/05/2025 10:51 | WG2573021 |
| Methylene Chloride | U | | 1.48 | 5.00 | 1 | 08/05/2025 10:51 | WG2573021 |
| 4-Methyl-2-pentanone (MIBK) | U | | 7.52 | 20.0 | 1 | 08/05/2025 10:51 | WG2573021 |
| Methyl tert-butyl ether | U | | 0.357 | 1.00 | 1 | 08/05/2025 10:51 | WG2573021 |
| Naphthalene | U | | 2.64 | 5.00 | 1 | 08/05/2025 10:51 | WG2573021 |
| n-Propylbenzene | U | | 0.239 | 1.00 | 1 | 08/05/2025 10:51 | WG2573021 |
| Styrene | U | | 0.342 | 1.00 | 1 | 08/05/2025 10:51 | WG2573021 |
| 1,1,1,2-Tetrachloroethane | U | | 0.381 | 1.00 | 1 | 08/05/2025 10:51 | WG2573021 |
| 1,1,2,2-Tetrachloroethane | U | | 0.354 | 1.00 | 1 | 08/05/2025 10:51 | WG2573021 |
| 1,1,2-Trichlorotrifluoroethane | U | | 0.643 | 1.00 | 1 | 08/05/2025 10:51 | WG2573021 |
| Tetrachloroethene | U | | 0.358 | 1.00 | 1 | 08/05/2025 10:51 | WG2573021 |
| Toluene | U | | 0.274 | 1.00 | 1 | 08/05/2025 10:51 | WG2573021 |
| 1,2,3-Trichlorobenzene | U | | 0.935 | 1.00 | 1 | 08/05/2025 10:51 | WG2573021 |
| 1,2,4-Trichlorobenzene | U | | 0.691 | 2.00 | 1 | 08/05/2025 10:51 | WG2573021 |

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

| Analyte | Result | Qualifier | MDL | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | ug/l | | ug/l | ug/l | | date / time | |
| 1,1,1-Trichloroethane | U | | 0.336 | 1.00 | 1 | 08/05/2025 10:51 | WG2573021 |
| 1,1,2-Trichloroethane | U | | 0.375 | 1.00 | 1 | 08/05/2025 10:51 | WG2573021 |
| Trichloroethene | U | | 0.383 | 1.00 | 1 | 08/05/2025 10:51 | WG2573021 |
| Trichlorofluoromethane | U | | 3.04 | 5.00 | 1 | 08/05/2025 10:51 | WG2573021 |
| 1,2,3-Trichloropropane | U | | 0.602 | 2.50 | 1 | 08/05/2025 10:51 | WG2573021 |
| 1,2,4-Trimethylbenzene | U | | 0.274 | 2.00 | 1 | 08/05/2025 10:51 | WG2573021 |
| 1,2,3-Trimethylbenzene | U | | 0.339 | 1.00 | 1 | 08/05/2025 10:51 | WG2573021 |
| 1,3,5-Trimethylbenzene | U | | 0.266 | 1.00 | 1 | 08/05/2025 10:51 | WG2573021 |
| Vinyl chloride | U | | 0.458 | 1.00 | 1 | 08/05/2025 10:51 | WG2573021 |
| Xylenes, Total | U | | 0.319 | 3.00 | 1 | 08/05/2025 10:51 | WG2573021 |
| *(S) Toluene-d8* | *95.8* | | | *80.0-120* | | *08/05/2025 10:51* | WG2573021 |
| *(S) 4-Bromofluorobenzene* | *108* | | | *77.0-126* | | *08/05/2025 10:51* | WG2573021 |
| *(S) 1,2-Dichloroethane-d4* | *112* | | | *70.0-130* | | *08/05/2025 10:51* | WG2573021 |

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

| Analyte | Result | Qualifier | MDL | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | ug/l | | ug/l | ug/l | | date / time | |
| Acetone | U | | 46.9 | 50.0 | 1 | 08/05/2025 12:38 | WG2573097 |
| Acrolein | U | | 25.0 | 50.0 | 1 | 08/05/2025 12:38 | WG2573097 |
| Acrylonitrile | U | | 8.09 | 10.0 | 1 | 08/05/2025 12:38 | WG2573097 |
| Benzene | U | | 0.320 | 1.00 | 1 | 08/05/2025 12:38 | WG2573097 |
| Bromobenzene | U | | 0.277 | 1.00 | 1 | 08/05/2025 12:38 | WG2573097 |
| Bromodichloromethane | U | | 0.371 | 1.00 | 1 | 08/05/2025 12:38 | WG2573097 |
| Bromoform | U | | 0.548 | 1.00 | 1 | 08/05/2025 12:38 | WG2573097 |
| Bromomethane | U | J4 | 4.85 | 5.00 | 1 | 08/05/2025 12:38 | WG2573097 |
| n-Butylbenzene | U | | 0.516 | 1.00 | 1 | 08/05/2025 12:38 | WG2573097 |
| sec-Butylbenzene | U | | 0.355 | 1.00 | 1 | 08/05/2025 12:38 | WG2573097 |
| tert-Butylbenzene | U | | 0.314 | 1.00 | 1 | 08/05/2025 12:38 | WG2573097 |
| Carbon tetrachloride | U | | 0.360 | 1.00 | 1 | 08/05/2025 12:38 | WG2573097 |
| Chlorobenzene | U | | 0.266 | 1.00 | 1 | 08/05/2025 12:38 | WG2573097 |
| Chlorodibromomethane | U | | 0.398 | 1.00 | 1 | 08/05/2025 12:38 | WG2573097 |
| Chloroethane | U | C3 | 2.79 | 5.00 | 1 | 08/05/2025 12:38 | WG2573097 |
| Chloroform | U | | 1.28 | 5.00 | 1 | 08/05/2025 12:38 | WG2573097 |
| Chloromethane | U | C3 | 1.70 | 5.00 | 1 | 08/05/2025 12:38 | WG2573097 |
| 2-Chlorotoluene | U | | 0.273 | 1.00 | 1 | 08/05/2025 12:38 | WG2573097 |
| 4-Chlorotoluene | U | | 0.256 | 1.00 | 1 | 08/05/2025 12:38 | WG2573097 |
| 1,2-Dibromo-3-Chloropropane | U | | 1.25 | 5.00 | 1 | 08/05/2025 12:38 | WG2573097 |
| 1,2-Dibromoethane | U | | 0.341 | 1.00 | 1 | 08/05/2025 12:38 | WG2573097 |
| Dibromomethane | U | | 0.422 | 1.00 | 1 | 08/05/2025 12:38 | WG2573097 |
| 1,2-Dichlorobenzene | U | | 0.304 | 1.00 | 1 | 08/05/2025 12:38 | WG2573097 |
| 1,3-Dichlorobenzene | U | | 0.282 | 1.00 | 1 | 08/05/2025 12:38 | WG2573097 |
| 1,4-Dichlorobenzene | U | | 0.277 | 1.00 | 1 | 08/05/2025 12:38 | WG2573097 |
| Dichlorodifluoromethane | U | C3 | 2.41 | 5.00 | 1 | 08/05/2025 12:38 | WG2573097 |
| 1,1-Dichloroethane | U | | 0.389 | 1.00 | 1 | 08/05/2025 12:38 | WG2573097 |
| 1,2-Dichloroethane | U | | 0.395 | 1.00 | 1 | 08/05/2025 12:38 | WG2573097 |
| 1,1-Dichloroethene | U | | 0.422 | 1.00 | 1 | 08/05/2025 12:38 | WG2573097 |
| cis-1,2-Dichloroethene | U | | 0.323 | 1.00 | 1 | 08/05/2025 12:38 | WG2573097 |
| trans-1,2-Dichloroethene | U | | 0.348 | 1.00 | 1 | 08/05/2025 12:38 | WG2573097 |
| 1,2-Dichloropropane | U | | 0.427 | 1.00 | 1 | 08/05/2025 12:38 | WG2573097 |
| 1,1-Dichloropropene | U | | 0.359 | 1.00 | 1 | 08/05/2025 12:38 | WG2573097 |
| 1,3-Dichloropropane | U | | 0.283 | 1.00 | 1 | 08/05/2025 12:38 | WG2573097 |
| cis-1,3-Dichloropropene | U | | 0.348 | 1.00 | 1 | 08/05/2025 12:38 | WG2573097 |
| trans-1,3-Dichloropropene | U | | 0.313 | 1.00 | 1 | 08/05/2025 12:38 | WG2573097 |
| 2,2-Dichloropropane | U | | 0.463 | 1.00 | 1 | 08/05/2025 12:38 | WG2573097 |
| Di-isopropyl ether | U | | 0.105 | 1.00 | 1 | 08/05/2025 12:38 | WG2573097 |
| Ethylbenzene | U | | 0.234 | 1.00 | 1 | 08/05/2025 12:38 | WG2573097 |
| Hexachloro-1,3-butadiene | U | | 0.650 | 2.00 | 1 | 08/05/2025 12:38 | WG2573097 |
| Isopropylbenzene | U | | 0.105 | 1.00 | 1 | 08/05/2025 12:38 | WG2573097 |
| p-Isopropyltoluene | U | | 0.345 | 1.00 | 1 | 08/05/2025 12:38 | WG2573097 |
| 2-Butanone (MEK) | U | | 9.00 | 20.0 | 1 | 08/05/2025 12:38 | WG2573097 |
| Methylene Chloride | U | | 1.48 | 5.00 | 1 | 08/05/2025 12:38 | WG2573097 |
| 4-Methyl-2-pentanone (MIBK) | U | | 7.52 | 20.0 | 1 | 08/05/2025 12:38 | WG2573097 |
| Methyl tert-butyl ether | U | | 0.357 | 1.00 | 1 | 08/05/2025 12:38 | WG2573097 |
| Naphthalene | U | | 2.64 | 5.00 | 1 | 08/05/2025 12:38 | WG2573097 |
| n-Propylbenzene | U | | 0.239 | 1.00 | 1 | 08/05/2025 12:38 | WG2573097 |
| Styrene | U | | 0.342 | 1.00 | 1 | 08/05/2025 12:38 | WG2573097 |
| 1,1,1,2-Tetrachloroethane | U | | 0.381 | 1.00 | 1 | 08/05/2025 12:38 | WG2573097 |
| 1,1,2,2-Tetrachloroethane | U | | 0.354 | 1.00 | 1 | 08/05/2025 12:38 | WG2573097 |
| 1,1,2-Trichlorotrifluoroethane | U | | 0.643 | 1.00 | 1 | 08/05/2025 12:38 | WG2573097 |
| Tetrachloroethene | U | | 0.358 | 1.00 | 1 | 08/05/2025 12:38 | WG2573097 |
| Toluene | U | | 0.274 | 1.00 | 1 | 08/05/2025 12:38 | WG2573097 |
| 1,2,3-Trichlorobenzene | U | | 0.935 | 1.00 | 1 | 08/05/2025 12:38 | WG2573097 |
| 1,2,4-Trichlorobenzene | U | | 0.691 | 2.00 | 1 | 08/05/2025 12:38 | WG2573097 |

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

| Analyte | Result | Qualifier | MDL | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | ug/l | | ug/l | ug/l | | date / time | |
| 1,1,1-Trichloroethane | U | | 0.336 | 1.00 | 1 | 08/05/2025 12:38 | WG2573097 |
| 1,1,2-Trichloroethane | U | | 0.375 | 1.00 | 1 | 08/05/2025 12:38 | WG2573097 |
| Trichloroethene | U | C3 | 0.383 | 1.00 | 1 | 08/05/2025 12:38 | WG2573097 |
| Trichlorofluoromethane | U | | 3.04 | 5.00 | 1 | 08/05/2025 12:38 | WG2573097 |
| 1,2,3-Trichloropropane | U | | 0.602 | 2.50 | 1 | 08/05/2025 12:38 | WG2573097 |
| 1,2,4-Trimethylbenzene | U | | 0.274 | 2.00 | 1 | 08/05/2025 12:38 | WG2573097 |
| 1,2,3-Trimethylbenzene | U | | 0.339 | 1.00 | 1 | 08/05/2025 12:38 | WG2573097 |
| 1,3,5-Trimethylbenzene | U | | 0.266 | 1.00 | 1 | 08/05/2025 12:38 | WG2573097 |
| Vinyl chloride | U | | 0.458 | 1.00 | 1 | 08/05/2025 12:38 | WG2573097 |
| Xylenes, Total | U | | 0.319 | 3.00 | 1 | 08/05/2025 12:38 | WG2573097 |
| *(S) Toluene-d8* | *103* | | | *80.0-120* | | *08/05/2025 12:38* | WG2573097 |
| *(S) 4-Bromofluorobenzene* | *97.1* | | | *77.0-126* | | *08/05/2025 12:38* | WG2573097 |
| *(S) 1,2-Dichloroethane-d4* | *102* | | | *70.0-130* | | *08/05/2025 12:38* | WG2573097 |

## Method Blank (MB)

(MB) R4256295-1 08/08/25 15:29

| Analyte | MB Result % | MB Qualifier | MB MDL % | MB RDL % |
|---|---|---|---|---|
| Total Solids | 0.000 | | | |

## L1884543-07 Original Sample (OS) • Duplicate (DUP)

(OS) L1884543-07 08/08/25 15:29 • (DUP) R4256295-3 08/08/25 15:29

| Analyte | Original Result % | DUP Result % | Dilution | DUP RPD % | DUP Qualifier | DUP RPD Limits % |
|---|---|---|---|---|---|---|
| Total Solids | 81.4 | 82.5 | 1 | 1.25 | | 10 |

## Laboratory Control Sample (LCS)

(LCS) R4256295-2 08/08/25 15:29

| Analyte | Spike Amount % | LCS Result % | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|---|---|---|---|---|---|
| Total Solids | 50.0 | 50.0 | 100 | 90.0-110 | |

## Method Blank (MB)

(MB) R4256293-1 08/08/25 15:17

| Analyte | MB Result % | MB Qualifier | MB MDL % | MB RDL % |
|---|---|---|---|---|
| Total Solids | 0.000 | | | |

## L1884546-08 Original Sample (OS) • Duplicate (DUP)

(OS) L1884546-08 08/08/25 15:17 • (DUP) R4256293-3 08/08/25 15:17

| Analyte | Original Result % | DUP Result % | Dilution | DUP RPD % | DUP Qualifier | DUP RPD Limits % |
|---|---|---|---|---|---|---|
| Total Solids | 91.2 | 89.3 | 1 | 2.03 | | 10 |

## Laboratory Control Sample (LCS)

(LCS) R4256293-2 08/08/25 15:17

| Analyte | Spike Amount % | LCS Result % | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|---|---|---|---|---|---|
| Total Solids | 50.0 | 50.0 | 100 | 90.0-110 | |

## Method Blank (MB)

(MB) R4256292-1 08/08/25 15:04

| Analyte | MB Result % | MB Qualifier | MB MDL % | MB RDL % |
|---|---|---|---|---|
| Total Solids | 0.00100 | | | |

## L1884546-19 Original Sample (OS) • Duplicate (DUP)

(OS) L1884546-19 08/08/25 15:04 • (DUP) R4256292-3 08/08/25 15:04

| Analyte | Original Result % | DUP Result % | Dilution | DUP RPD % | DUP Qualifier | DUP RPD Limits % |
|---|---|---|---|---|---|---|
| Total Solids | 92.5 | 93.3 | 1 | 0.856 | | 10 |

## Laboratory Control Sample (LCS)

(LCS) R4256292-2 08/08/25 15:04

| Analyte | Spike Amount % | LCS Result % | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|---|---|---|---|---|---|
| Total Solids | 50.0 | 50.0 | 100 | 90.0-110 | |

## Method Blank (MB)

(MB) R4256517-1 08/09/25 10:23

| Analyte | MB Result % | MB Qualifier | MB MDL % | MB RDL % |
|---|---|---|---|---|
| Total Solids | 0.000 | | | |

## L1884562-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1884562-02 08/09/25 10:23 • (DUP) R4256517-3 08/09/25 10:23

| Analyte | Original Result % | DUP Result % | Dilution | DUP RPD % | DUP Qualifier | DUP RPD Limits % |
|---|---|---|---|---|---|---|
| Total Solids | 73.7 | 74.1 | 1 | 0.492 | | 10 |

## Laboratory Control Sample (LCS)

(LCS) R4256517-2 08/09/25 10:23

| Analyte | Spike Amount % | LCS Result % | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|---|---|---|---|---|---|
| Total Solids | 50.0 | 50.0 | 100 | 90.0-110 | |

# QUALITY CONTROL SUMMARY

L1884546-02,03,06,07,08,10,11,12,13,14

## Method Blank (MB)

(MB) R4256938-1 08/11/25 11:40

| Analyte | MB Result mg/kg | MB Qualifier | MB MDL mg/kg | MB RDL mg/kg |
|---|---|---|---|---|
| Mercury | U | | 0.0206 | 0.0400 |

## Laboratory Control Sample (LCS)

(LCS) R4256938-2 08/11/25 11:43

| Analyte | Spike Amount mg/kg | LCS Result mg/kg | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|---|---|---|---|---|---|
| Mercury | 0.500 | 0.426 | 85.2 | 80.0-120 | |

## L1884523-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1884523-01 08/11/25 11:45 • (MS) R4256938-4 08/11/25 11:50 • (MSD) R4256938-5 08/11/25 11:53

| Analyte | Spike Amount (dry) mg/kg | Original Result (dry) mg/kg | MS Result (dry) mg/kg | MSD Result (dry) mg/kg | MS Rec. % | MSD Rec. % | Dilution | Rec. Limits % | MS Qualifier | MSD Qualifier | RPD % | RPD Limits % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mercury | 0.560 | U | 0.582 | 0.594 | 104 | 106 | 1 | 75.0-125 | | | 1.97 | 20 |

## Method Blank (MB)

(MB) R4256956-1 08/11/25 12:56

| Analyte | MB Result mg/kg | MB Qualifier | MB MDL mg/kg | MB RDL mg/kg |
|---|---|---|---|---|
| Mercury | U | | 0.0206 | 0.0400 |

## Laboratory Control Sample (LCS)

(LCS) R4256956-2 08/11/25 12:58

| Analyte | Spike Amount mg/kg | LCS Result mg/kg | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|---|---|---|---|---|---|
| Mercury | 0.500 | 0.455 | 91.0 | 80.0-120 | |

## L1885171-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1885171-01 08/11/25 13:01 • (MS) R4256956-4 08/11/25 13:15 • (MSD) R4256956-5 08/11/25 13:18

| Analyte | Spike Amount (dry) mg/kg | Original Result (dry) | MS Result (dry) | MSD Result (dry) | MS Rec. % | MSD Rec. % | Dilution | Rec. Limits % | MS Qualifier | MSD Qualifier | RPD % | RPD Limits % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mercury | 0.573 | U | 0.572 | 0.573 | 99.8 | 99.9 | 1 | 75.0-125 | | | 0.153 | 20 |

# QUALITY CONTROL SUMMARY

L1884546-15,16,17,18,19,20,22,23

## Method Blank (MB)

(MB) R4256767-1 08/10/25 20:48

| Analyte | MB Result mg/kg | MB Qualifier | MB MDL mg/kg | MB RDL mg/kg |
|---|---|---|---|---|
| Mercury | U | | 0.0206 | 0.0400 |

## Laboratory Control Sample (LCS)

(LCS) R4256767-2 08/10/25 20:51

| Analyte | Spike Amount mg/kg | LCS Result mg/kg | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|---|---|---|---|---|---|
| Mercury | 0.500 | 0.465 | 93.0 | 80.0-120 | |

## L1884557-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1884557-04 08/10/25 20:53 • (MS) R4256767-4 08/10/25 20:59 • (MSD) R4256767-5 08/10/25 21:01

| Analyte | Spike Amount (dry) mg/kg | Original Result (dry) mg/kg | MS Result (dry) mg/kg | MSD Result (dry) mg/kg | MS Rec. % | MSD Rec. % | Dilution | Rec. Limits % | MS Qualifier | MSD Qualifier | RPD % | RPD Limits % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mercury | 0.553 | 0.805 | 1.33 | 1.19 | 94.5 | 70.4 | 1 | 75.0-125 | | J6 | 10.6 | 20 |

## Method Blank (MB)

(MB) R4260438-1 08/18/25 23:14

| Analyte | MB Result mg/kg | MB Qualifier | MB MDL mg/kg | MB RDL mg/kg |
|---|---|---|---|---|
| Antimony | U | | 0.166 | 3.00 |
| Arsenic | U | | 0.100 | 1.00 |
| Beryllium | U | | 0.138 | 2.50 |
| Cadmium | U | | 0.0855 | 1.00 |
| Chromium | U | | 0.297 | 5.00 |
| Copper | U | | 0.133 | 5.00 |
| Lead | U | | 0.0990 | 2.00 |
| Manganese | U | | 0.269 | 2.50 |
| Nickel | U | | 0.197 | 2.50 |
| Selenium | U | | 0.180 | 2.50 |
| Silver | U | | 0.0865 | 0.500 |
| Titanium | U | | 0.735 | 5.00 |
| Zinc | 0.764 | J | 0.740 | 25.0 |

## Laboratory Control Sample (LCS)

(LCS) R4260438-2 08/18/25 23:18

| Analyte | Spike Amount mg/kg | LCS Result mg/kg | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|---|---|---|---|---|---|
| Antimony | 100 | 108 | 108 | 80.0-120 | |
| Arsenic | 100 | 99.9 | 99.9 | 80.0-120 | |
| Beryllium | 100 | 104 | 104 | 80.0-120 | |
| Cadmium | 100 | 103 | 103 | 80.0-120 | |
| Chromium | 100 | 101 | 101 | 80.0-120 | |
| Copper | 100 | 101 | 101 | 80.0-120 | |
| Lead | 100 | 98.8 | 98.8 | 80.0-120 | |
| Manganese | 100 | 99.8 | 99.8 | 80.0-120 | |
| Nickel | 100 | 104 | 104 | 80.0-120 | |
| Selenium | 100 | 96.5 | 96.5 | 80.0-120 | |
| Silver | 20.0 | 21.0 | 105 | 80.0-120 | |
| Titanium | 100 | 105 | 105 | 80.0-120 | |
| Zinc | 100 | 102 | 102 | 80.0-120 | |

## L1884546-08 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1884546-08 08/18/25 23:21 • (MS) R4260438-5 08/18/25 23:30 • (MSD) R4260438-6 08/18/25 23:33

| Analyte | Spike Amount (dry) mg/kg | Original Result (dry) mg/kg | MS Result (dry) mg/kg | MSD Result (dry) mg/kg | MS Rec. % | MSD Rec. % | Dilution | Rec. Limits % | MS Qualifier | MSD Qualifier | RPD % | RPD Limits % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Antimony | 110 | U | 89.7 | 80.2 | 81.8 | 73.1 | 5 | 75.0-125 | | J6 | 11.1 | 20 |
| Arsenic | 110 | 2.86 | 113 | 104 | 100 | 92.0 | 5 | 75.0-125 | | | 8.20 | 20 |
| Beryllium | 110 | 0.542 | 112 | 101 | 102 | 91.2 | 5 | 75.0-125 | | | 11.1 | 20 |
| Cadmium | 110 | 0.101 | 115 | 105 | 105 | 96.0 | 5 | 75.0-125 | | | 8.76 | 20 |
| Chromium | 110 | 14.4 | 126 | 121 | 101 | 97.5 | 5 | 75.0-125 | | | 3.33 | 20 |
| Copper | 110 | 30.3 | 140 | 136 | 100 | 96.1 | 5 | 75.0-125 | | | 3.31 | 20 |
| Lead | 110 | 3.71 | 110 | 103 | 97.1 | 90.6 | 5 | 75.0-125 | | | 6.74 | 20 |
| Manganese | 110 | 455 | 639 | 614 | 168 | 145 | 5 | 75.0-125 | V | V | 4.07 | 20 |
| Nickel | 110 | 20.4 | 134 | 125 | 104 | 95.3 | 5 | 75.0-125 | | | 6.99 | 20 |
| Selenium | 110 | 0.376 | 109 | 101 | 98.7 | 91.5 | 5 | 75.0-125 | | | 7.55 | 20 |
| Silver | 21.9 | U | 23.3 | 21.5 | 106 | 98.0 | 5 | 75.0-125 | | | 8.11 | 20 |
| Titanium | 110 | 4160 | 4330 | 4140 | 153 | 0.000 | 5 | 75.0-125 | V | V | 4.31 | 20 |
| Zinc | 110 | 65.2 | 177 | 167 | 102 | 93.0 | 5 | 75.0-125 | | | 5.42 | 20 |

## Method Blank (MB)

(MB) R4260324-1 08/18/25 17:39

| Analyte | MB Result mg/kg | MB Qualifier | MB MDL mg/kg | MB RDL mg/kg |
|---|---|---|---|---|
| Antimony | U | | 0.166 | 3.00 |
| Arsenic | U | | 0.100 | 1.00 |
| Beryllium | U | | 0.138 | 2.50 |
| Cadmium | U | | 0.0855 | 1.00 |
| Chromium | U | | 0.297 | 5.00 |
| Copper | U | | 0.133 | 5.00 |
| Lead | U | | 0.0990 | 2.00 |
| Manganese | U | | 0.269 | 2.50 |
| Nickel | U | | 0.197 | 2.50 |
| Selenium | U | | 0.180 | 2.50 |
| Silver | U | | 0.0865 | 0.500 |
| Titanium | U | | 0.735 | 5.00 |
| Zinc | 0.913 | J | 0.740 | 25.0 |

## Laboratory Control Sample (LCS)

(LCS) R4260324-2 08/18/25 17:42

| Analyte | Spike Amount mg/kg | LCS Result mg/kg | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|---|---|---|---|---|---|
| Antimony | 100 | 109 | 109 | 80.0-120 | |
| Arsenic | 100 | 106 | 106 | 80.0-120 | |
| Beryllium | 100 | 91.3 | 91.3 | 80.0-120 | |
| Cadmium | 100 | 109 | 109 | 80.0-120 | |
| Chromium | 100 | 106 | 106 | 80.0-120 | |
| Copper | 100 | 105 | 105 | 80.0-120 | |
| Lead | 100 | 101 | 101 | 80.0-120 | |
| Manganese | 100 | 106 | 106 | 80.0-120 | |
| Nickel | 100 | 109 | 109 | 80.0-120 | |
| Selenium | 100 | 101 | 101 | 80.0-120 | |
| Silver | 20.0 | 21.4 | 107 | 80.0-120 | |
| Titanium | 100 | 106 | 106 | 80.0-120 | |
| Zinc | 100 | 106 | 106 | 80.0-120 | |

## L1885461-07 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1885461-07 08/18/25 17:45 • (MS) R4260324-5 08/18/25 17:54 • (MSD) R4260324-6 08/18/25 17:57

| Analyte | Spike Amount mg/kg | Original Result mg/kg | MS Result mg/kg | MSD Result mg/kg | MS Rec. % | MSD Rec. % | Dilution | Rec. Limits % | MS Qualifier | MSD Qualifier | RPD % | RPD Limits % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Antimony | 100 | U | 102 | 88.7 | 102 | 88.7 | 5 | 75.0-125 | | | 14.4 | 20 |
| Arsenic | 100 | 1.13 | 103 | 93.3 | 102 | 92.2 | 5 | 75.0-125 | | | 10.3 | 20 |
| Beryllium | 100 | 0.215 | 88.5 | 80.0 | 88.3 | 79.7 | 5 | 75.0-125 | | | 10.1 | 20 |
| Cadmium | 100 | U | 106 | 96.0 | 106 | 96.0 | 5 | 75.0-125 | | | 9.93 | 20 |
| Chromium | 100 | 4.63 | 109 | 98.7 | 105 | 94.1 | 5 | 75.0-125 | | | 10.3 | 20 |
| Copper | 100 | U | 104 | 92.7 | 101 | 89.7 | 5 | 75.0-125 | | | 11.6 | 20 |
| Lead | 100 | U | 104 | 91.9 | 100 | 88.4 | 5 | 75.0-125 | | | 12.4 | 20 |
| Manganese | 100 | 92.8 | 205 | 198 | 112 | 106 | 5 | 75.0-125 | | | 3.32 | 20 |
| Nickel | 100 | U | 109 | 98.6 | 106 | 95.7 | 5 | 75.0-125 | | | 9.67 | 20 |
| Selenium | 100 | 0.285 | 104 | 91.0 | 103 | 90.7 | 5 | 75.0-125 | | | 12.9 | 20 |
| Silver | 20.0 | U | 22.0 | 19.2 | 110 | 95.8 | 5 | 75.0-125 | | | 13.9 | 20 |
| Titanium | 100 | 142 | 265 | 261 | 123 | 119 | 5 | 75.0-125 | | | 1.73 | 20 |
| Zinc | 100 | U | 117 | 108 | 104 | 94.8 | 5 | 75.0-125 | | | 8.27 | 20 |

## Method Blank (MB)

(MB) R4256949-2 08/05/25 23:03

| Analyte | MB Result mg/kg | MB Qualifier | MB MDL mg/kg | MB RDL mg/kg |
|---|---|---|---|---|
| Gasoline Range Organics-NWTPH | U | | 1.35 | 2.50 |
| *(S) a,a,a-Trifluorotoluene(FID)* | *102* | | | *77.0-120* |

## Laboratory Control Sample (LCS)

(LCS) R4256949-1 08/05/25 22:05

| Analyte | Spike Amount mg/kg | LCS Result mg/kg | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|---|---|---|---|---|---|
| Gasoline Range Organics-NWTPH | 5.00 | 5.11 | 102 | 71.0-124 | |
| *(S) a,a,a-Trifluorotoluene(FID)* | | | *109* | *77.0-120* | |

## L1884546-15 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1884546-15 08/06/25 06:21 • (MS) R4256949-3 08/06/25 07:06 • (MSD) R4256949-4 08/06/25 07:29

| Analyte | Spike Amount (dry) mg/kg | Original Result (dry) mg/kg | MS Result (dry) mg/kg | MSD Result (dry) mg/kg | MS Rec. % | MSD Rec. % | Dilution | Rec. Limits % | MS Qualifier | MSD Qualifier | RPD % | RPD Limits % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics-NWTPH | 162 | U | 153 | 203 | 94.4 | 125 | 28.5 | 50.0-150 | | J3 | 28.0 | 27 |
| *(S) a,a,a-Trifluorotoluene(FID)* | | | | | *106* | *106* | | *77.0-120* | | | | |

## Method Blank (MB)

(MB) R4256848-2 08/06/25 09:51

| Analyte | MB Result mg/kg | MB Qualifier | MB MDL mg/kg | MB RDL mg/kg |
|---|---|---|---|---|
| Gasoline Range Organics-NWTPH | U | | 1.35 | 2.50 |
| *(S) a,a,a-Trifluorotoluene(FID)* | *97.6* | | | *77.0-120* |

## Laboratory Control Sample (LCS)

(LCS) R4256848-1 08/06/25 09:12

| Analyte | Spike Amount mg/kg | LCS Result mg/kg | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|---|---|---|---|---|---|
| Gasoline Range Organics-NWTPH | 5.00 | 4.13 | 82.6 | 71.0-124 | |
| *(S) a,a,a-Trifluorotoluene(FID)* | | | *103* | *77.0-120* | |

## L1884560-12 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1884560-12 08/06/25 17:03 • (MS) R4256848-3 08/06/25 17:42 • (MSD) R4256848-4 08/06/25 18:01

| Analyte | Spike Amount mg/kg | Original Result mg/kg | MS Result mg/kg | MSD Result mg/kg | MS Rec. % | MSD Rec. % | Dilution | Rec. Limits % | MS Qualifier | MSD Qualifier | RPD % | RPD Limits % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics-NWTPH | 125 | U | 106 | 113 | 84.8 | 90.4 | 25 | 50.0-150 | | | 6.39 | 27 |
| *(S) a,a,a-Trifluorotoluene(FID)* | | | | | *104* | *105* | | *77.0-120* | | | | |

## Method Blank (MB)

(MB) R4255633-3 08/05/25 05:34

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

## Method Blank (MB)

(MB) R4255633-3 08/05/25 05:34

| Analyte | MB Result ug/l | MB Qualifier | MB MDL ug/l | MB RDL ug/l |
|---|---|---|---|---|
| Isopropylbenzene | U | | 0.105 | 1.00 |
| p-Isopropyltoluene | U | | 0.345 | 1.00 |
| 2-Butanone (MEK) | U | | 9.00 | 20.0 |
| Methylene Chloride | U | | 1.48 | 5.00 |
| 4-Methyl-2-pentanone (MIBK) | U | | 7.52 | 20.0 |
| Methyl tert-butyl ether | U | | 0.357 | 1.00 |
| Naphthalene | U | | 2.64 | 5.00 |
| n-Propylbenzene | U | | 0.239 | 1.00 |
| Styrene | U | | 0.342 | 1.00 |
| 1,1,1,2-Tetrachloroethane | U | | 0.381 | 1.00 |
| 1,1,2,2-Tetrachloroethane | U | | 0.354 | 1.00 |
| 1,1,2-Trichlorotrifluoroethane | U | | 0.643 | 1.00 |
| Tetrachloroethene | U | | 0.358 | 1.00 |
| Toluene | U | | 0.274 | 1.00 |
| 1,2,3-Trichlorobenzene | U | | 0.935 | 1.00 |
| 1,2,4-Trichlorobenzene | U | | 0.691 | 2.00 |
| 1,1,1-Trichloroethane | U | | 0.336 | 1.00 |
| 1,1,2-Trichloroethane | U | | 0.375 | 1.00 |
| Trichloroethene | U | | 0.383 | 1.00 |
| Trichlorofluoromethane | U | | 3.04 | 5.00 |
| 1,2,3-Trichloropropane | U | | 0.602 | 2.50 |
| 1,2,4-Trimethylbenzene | U | | 0.274 | 2.00 |
| 1,2,3-Trimethylbenzene | U | | 0.339 | 1.00 |
| 1,3,5-Trimethylbenzene | U | | 0.266 | 1.00 |
| Vinyl chloride | U | | 0.458 | 1.00 |
| Xylenes, Total | U | | 0.319 | 3.00 |
| *(S) Toluene-d8* | *97.1* | | | *80.0-120* |
| *(S) 4-Bromofluorobenzene* | *103* | | | *77.0-126* |
| *(S) 1,2-Dichloroethane-d4* | *107* | | | *70.0-130* |

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

(LCS) R4255633-1 08/05/25 04:37 • (LCSD) R4255633-2 08/05/25 04:56

| Analyte | Spike Amount ug/l | LCS Result ug/l | LCSD Result ug/l | LCS Rec. % | LCSD Rec. % | Rec. Limits % | LCS Qualifier | LCSD Qualifier | RPD % | RPD Limits % |
|---|---|---|---|---|---|---|---|---|---|---|
| Acetone | 125 | 221 | 212 | 177 | 170 | 19.0-160 | J4 | J4 | 4.16 | 27 |
| Acrolein | 125 | 79.6 | 68.8 | 63.7 | 55.0 | 10.0-160 | | | 14.6 | 26 |
| Acrylonitrile | 125 | 190 | 169 | 152 | 135 | 55.0-149 | J4 | | 11.7 | 20 |
| Benzene | 25.0 | 23.7 | 23.9 | 94.8 | 95.6 | 70.0-123 | | | 0.840 | 20 |

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

(LCS) R4255633-1 08/05/25 04:37 • (LCSD) R4255633-2 08/05/25 04:56

| Analyte | Spike Amount ug/l | LCS Result ug/l | LCSD Result ug/l | LCS Rec. % | LCSD Rec. % | Rec. Limits % | LCS Qualifier | LCSD Qualifier | RPD % | RPD Limits % |
|---|---|---|---|---|---|---|---|---|---|---|
| Bromobenzene | 25.0 | 24.7 | 25.5 | 98.8 | 102 | 73.0-121 | | | 3.19 | 20 |
| Bromodichloromethane | 25.0 | 24.6 | 24.1 | 98.4 | 96.4 | 75.0-120 | | | 2.05 | 20 |
| Bromoform | 25.0 | 20.2 | 19.3 | 80.8 | 77.2 | 68.0-132 | | | 4.56 | 20 |
| Bromomethane | 25.0 | 27.5 | 26.2 | 110 | 105 | 10.0-160 | | | 4.84 | 25 |
| n-Butylbenzene | 25.0 | 23.5 | 24.1 | 94.0 | 96.4 | 73.0-125 | | | 2.52 | 20 |
| sec-Butylbenzene | 25.0 | 24.4 | 25.2 | 97.6 | 101 | 75.0-125 | | | 3.23 | 20 |
| tert-Butylbenzene | 25.0 | 24.2 | 24.7 | 96.8 | 98.8 | 76.0-124 | | | 2.04 | 20 |
| Carbon tetrachloride | 25.0 | 27.0 | 26.0 | 108 | 104 | 68.0-126 | | | 3.77 | 20 |
| Chlorobenzene | 25.0 | 23.1 | 23.5 | 92.4 | 94.0 | 80.0-121 | | | 1.72 | 20 |
| Chlorodibromomethane | 25.0 | 23.9 | 23.8 | 95.6 | 95.2 | 77.0-125 | | | 0.419 | 20 |
| Chloroethane | 25.0 | 24.7 | 23.6 | 98.8 | 94.4 | 47.0-150 | | | 4.55 | 20 |
| Chloroform | 25.0 | 23.6 | 23.0 | 94.4 | 92.0 | 73.0-120 | | | 2.58 | 20 |
| Chloromethane | 25.0 | 26.3 | 25.0 | 105 | 100 | 41.0-142 | | | 5.07 | 20 |
| 2-Chlorotoluene | 25.0 | 24.3 | 25.1 | 97.2 | 100 | 76.0-123 | | | 3.24 | 20 |
| 4-Chlorotoluene | 25.0 | 24.5 | 25.3 | 98.0 | 101 | 75.0-122 | | | 3.21 | 20 |
| 1,2-Dibromo-3-Chloropropane | 25.0 | 24.9 | 24.1 | 99.6 | 96.4 | 58.0-134 | | | 3.27 | 20 |
| 1,2-Dibromoethane | 25.0 | 24.1 | 24.3 | 96.4 | 97.2 | 80.0-122 | | | 0.826 | 20 |
| Dibromomethane | 25.0 | 25.4 | 24.9 | 102 | 99.6 | 80.0-120 | | | 1.99 | 20 |
| 1,2-Dichlorobenzene | 25.0 | 23.2 | 23.5 | 92.8 | 94.0 | 79.0-121 | | | 1.28 | 20 |
| 1,3-Dichlorobenzene | 25.0 | 22.6 | 23.3 | 90.4 | 93.2 | 79.0-120 | | | 3.05 | 20 |
| 1,4-Dichlorobenzene | 25.0 | 21.9 | 22.5 | 87.6 | 90.0 | 79.0-120 | | | 2.70 | 20 |
| Dichlorodifluoromethane | 25.0 | 21.9 | 21.5 | 87.6 | 86.0 | 51.0-149 | | | 1.84 | 20 |
| 1,1-Dichloroethane | 25.0 | 25.5 | 24.6 | 102 | 98.4 | 70.0-126 | | | 3.59 | 20 |
| 1,2-Dichloroethane | 25.0 | 24.3 | 23.9 | 97.2 | 95.6 | 70.0-128 | | | 1.66 | 20 |
| 1,1-Dichloroethene | 25.0 | 22.9 | 22.4 | 91.6 | 89.6 | 71.0-124 | | | 2.21 | 20 |
| cis-1,2-Dichloroethene | 25.0 | 24.2 | 23.8 | 96.8 | 95.2 | 73.0-120 | | | 1.67 | 20 |
| trans-1,2-Dichloroethene | 25.0 | 24.8 | 23.5 | 99.2 | 94.0 | 73.0-120 | | | 5.38 | 20 |
| 1,2-Dichloropropane | 25.0 | 25.8 | 26.8 | 103 | 107 | 77.0-125 | | | 3.80 | 20 |
| 1,1-Dichloropropene | 25.0 | 24.6 | 25.1 | 98.4 | 100 | 74.0-126 | | | 2.01 | 20 |
| 1,3-Dichloropropane | 25.0 | 24.7 | 26.3 | 98.8 | 105 | 80.0-120 | | | 6.27 | 20 |
| cis-1,3-Dichloropropene | 25.0 | 23.8 | 24.6 | 95.2 | 98.4 | 80.0-123 | | | 3.31 | 20 |
| trans-1,3-Dichloropropene | 25.0 | 22.6 | 24.1 | 90.4 | 96.4 | 78.0-124 | | | 6.42 | 20 |
| 2,2-Dichloropropane | 25.0 | 29.7 | 28.7 | 119 | 115 | 58.0-130 | | | 3.42 | 20 |
| Di-isopropyl ether | 25.0 | 26.6 | 26.0 | 106 | 104 | 58.0-138 | | | 2.28 | 20 |
| Ethylbenzene | 25.0 | 23.1 | 23.6 | 92.4 | 94.4 | 79.0-123 | | | 2.14 | 20 |
| Hexachloro-1,3-butadiene | 25.0 | 21.0 | 20.5 | 84.0 | 82.0 | 54.0-138 | | | 2.41 | 20 |
| Isopropylbenzene | 25.0 | 23.9 | 23.5 | 95.6 | 94.0 | 76.0-127 | | | 1.69 | 20 |
| p-Isopropyltoluene | 25.0 | 24.1 | 24.8 | 96.4 | 99.2 | 76.0-125 | | | 2.86 | 20 |
| 2-Butanone (MEK) | 125 | 153 | 158 | 122 | 126 | 44.0-160 | | | 3.22 | 20 |
| Methylene Chloride | 25.0 | 24.0 | 22.9 | 96.0 | 91.6 | 67.0-120 | | | 4.69 | 20 |

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

(LCS) R4255633-1 08/05/25 04:37 • (LCSD) R4255633-2 08/05/25 04:56

| Analyte | Spike Amount ug/l | LCS Result ug/l | LCSD Result ug/l | LCS Rec. % | LCSD Rec. % | Rec. Limits % | LCS Qualifier | LCSD Qualifier | RPD % | RPD Limits % |
|---|---|---|---|---|---|---|---|---|---|---|
| 4-Methyl-2-pentanone (MIBK) | 125 | 152 | 156 | 122 | 125 | 68.0-142 | | | 2.60 | 20 |
| Methyl tert-butyl ether | 25.0 | 26.7 | 25.1 | 107 | 100 | 68.0-125 | | | 6.18 | 20 |
| Naphthalene | 25.0 | 20.5 | 19.8 | 82.0 | 79.2 | 54.0-135 | | | 3.47 | 20 |
| n-Propylbenzene | 25.0 | 25.1 | 26.1 | 100 | 104 | 77.0-124 | | | 3.91 | 20 |
| Styrene | 25.0 | 24.8 | 24.7 | 99.2 | 98.8 | 73.0-130 | | | 0.404 | 20 |
| 1,1,1,2-Tetrachloroethane | 25.0 | 24.9 | 24.3 | 99.6 | 97.2 | 75.0-125 | | | 2.44 | 20 |
| 1,1,2,2-Tetrachloroethane | 25.0 | 28.0 | 27.5 | 112 | 110 | 65.0-130 | | | 1.80 | 20 |
| 1,1,2-Trichlorotrifluoroethane | 25.0 | 24.0 | 22.7 | 96.0 | 90.8 | 69.0-132 | | | 5.57 | 20 |
| Tetrachloroethene | 25.0 | 21.4 | 22.4 | 85.6 | 89.6 | 72.0-132 | | | 4.57 | 20 |
| Toluene | 25.0 | 22.6 | 23.6 | 90.4 | 94.4 | 79.0-120 | | | 4.33 | 20 |
| 1,2,3-Trichlorobenzene | 25.0 | 20.0 | 18.8 | 80.0 | 75.2 | 50.0-138 | | | 6.19 | 20 |
| 1,2,4-Trichlorobenzene | 25.0 | 20.8 | 20.5 | 83.2 | 82.0 | 57.0-137 | | | 1.45 | 20 |
| 1,1,1-Trichloroethane | 25.0 | 26.6 | 25.9 | 106 | 104 | 73.0-124 | | | 2.67 | 20 |
| 1,1,2-Trichloroethane | 25.0 | 23.6 | 24.2 | 94.4 | 96.8 | 80.0-120 | | | 2.51 | 20 |
| Trichloroethene | 25.0 | 23.0 | 23.6 | 92.0 | 94.4 | 78.0-124 | | | 2.58 | 20 |
| Trichlorofluoromethane | 25.0 | 23.7 | 22.6 | 94.8 | 90.4 | 59.0-147 | | | 4.75 | 20 |
| 1,2,3-Trichloropropane | 25.0 | 27.4 | 27.7 | 110 | 111 | 73.0-130 | | | 1.09 | 20 |
| 1,2,4-Trimethylbenzene | 25.0 | 24.4 | 25.0 | 97.6 | 100 | 76.0-121 | | | 2.43 | 20 |
| 1,2,3-Trimethylbenzene | 25.0 | 24.1 | 24.5 | 96.4 | 98.0 | 77.0-120 | | | 1.65 | 20 |
| 1,3,5-Trimethylbenzene | 25.0 | 24.3 | 24.9 | 97.2 | 99.6 | 76.0-122 | | | 2.44 | 20 |
| Vinyl chloride | 25.0 | 26.0 | 24.8 | 104 | 99.2 | 67.0-131 | | | 4.72 | 20 |
| Xylenes, Total | 75.0 | 71.5 | 71.9 | 95.3 | 95.9 | 79.0-123 | | | 0.558 | 20 |
| *(S) Toluene-d8* | | | | *95.4* | *102* | *80.0-120* | | | | |
| *(S) 4-Bromofluorobenzene* | | | | *102* | *98.3* | *77.0-126* | | | | |
| *(S) 1,2-Dichloroethane-d4* | | | | *103* | *114* | *70.0-130* | | | | |

## Method Blank (MB)

(MB) R4257359-3 08/05/25 10:42

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

## Method Blank (MB)

(MB) R4257359-3 08/05/25 10:42

| Analyte | MB Result ug/l | MB Qualifier | MB MDL ug/l | MB RDL ug/l |
|---|---|---|---|---|
| Isopropylbenzene | U | | 0.105 | 1.00 |
| p-Isopropyltoluene | U | | 0.345 | 1.00 |
| 2-Butanone (MEK) | U | | 9.00 | 20.0 |
| Methylene Chloride | U | | 1.48 | 5.00 |
| 4-Methyl-2-pentanone (MIBK) | U | | 7.52 | 20.0 |
| Methyl tert-butyl ether | U | | 0.357 | 1.00 |
| Naphthalene | U | | 2.64 | 5.00 |
| n-Propylbenzene | U | | 0.239 | 1.00 |
| Styrene | U | | 0.342 | 1.00 |
| 1,1,1,2-Tetrachloroethane | U | | 0.381 | 1.00 |
| 1,1,2,2-Tetrachloroethane | U | | 0.354 | 1.00 |
| 1,1,2-Trichlorotrifluoroethane | U | | 0.643 | 1.00 |
| Tetrachloroethene | U | | 0.358 | 1.00 |
| Toluene | U | | 0.274 | 1.00 |
| 1,2,3-Trichlorobenzene | U | | 0.935 | 1.00 |
| 1,2,4-Trichlorobenzene | U | | 0.691 | 2.00 |
| 1,1,1-Trichloroethane | U | | 0.336 | 1.00 |
| 1,1,2-Trichloroethane | U | | 0.375 | 1.00 |
| Trichloroethene | U | | 0.383 | 1.00 |
| Trichlorofluoromethane | U | | 3.04 | 5.00 |
| 1,2,3-Trichloropropane | U | | 0.602 | 2.50 |
| 1,2,4-Trimethylbenzene | U | | 0.274 | 2.00 |
| 1,2,3-Trimethylbenzene | U | | 0.339 | 1.00 |
| 1,3,5-Trimethylbenzene | U | | 0.266 | 1.00 |
| Vinyl chloride | U | | 0.458 | 1.00 |
| Xylenes, Total | U | | 0.319 | 3.00 |
| *(S) Toluene-d8* | *101* | | | *80.0-120* |
| *(S) 4-Bromofluorobenzene* | *93.4* | | | *77.0-126* |
| *(S) 1,2-Dichloroethane-d4* | *102* | | | *70.0-130* |

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

(LCS) R4257359-1 08/05/25 09:43 • (LCSD) R4257359-2 08/05/25 10:02

| Analyte | Spike Amount ug/l | LCS Result ug/l | LCSD Result ug/l | LCS Rec. % | LCSD Rec. % | Rec. Limits % | LCS Qualifier | LCSD Qualifier | RPD % | RPD Limits % |
|---|---|---|---|---|---|---|---|---|---|---|
| Acetone | 125 | 102 | 117 | 81.6 | 93.6 | 19.0-160 | | | 13.7 | 27 |
| Acrolein | 125 | 169 | 170 | 135 | 136 | 10.0-160 | | | 0.590 | 26 |
| Acrylonitrile | 125 | 119 | 125 | 95.2 | 100 | 55.0-149 | | | 4.92 | 20 |
| Benzene | 25.0 | 20.7 | 22.8 | 82.8 | 91.2 | 70.0-123 | | | 9.66 | 20 |

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

(LCS) R4257359-1 08/05/25 09:43 • (LCSD) R4257359-2 08/05/25 10:02

| Analyte | Spike Amount ug/l | LCS Result ug/l | LCSD Result ug/l | LCS Rec. % | LCSD Rec. % | Rec. Limits % | LCS Qualifier | LCSD Qualifier | RPD % | RPD Limits % |
|---|---|---|---|---|---|---|---|---|---|---|
| Bromobenzene | 25.0 | 21.2 | 23.1 | 84.8 | 92.4 | 73.0-121 | | | 8.58 | 20 |
| Bromodichloromethane | 25.0 | 21.9 | 24.0 | 87.6 | 96.0 | 75.0-120 | | | 9.15 | 20 |
| Bromoform | 25.0 | 22.8 | 23.9 | 91.2 | 95.6 | 68.0-132 | | | 4.71 | 20 |
| Bromomethane | 25.0 | 34.0 | 42.3 | 136 | 169 | 10.0-160 | | J4 | 21.8 | 25 |
| n-Butylbenzene | 25.0 | 23.0 | 25.7 | 92.0 | 103 | 73.0-125 | | | 11.1 | 20 |
| sec-Butylbenzene | 25.0 | 23.2 | 25.7 | 92.8 | 103 | 75.0-125 | | | 10.2 | 20 |
| tert-Butylbenzene | 25.0 | 22.8 | 24.9 | 91.2 | 99.6 | 76.0-124 | | | 8.81 | 20 |
| Carbon tetrachloride | 25.0 | 24.8 | 28.0 | 99.2 | 112 | 68.0-126 | | | 12.1 | 20 |
| Chlorobenzene | 25.0 | 20.8 | 21.8 | 83.2 | 87.2 | 80.0-121 | | | 4.69 | 20 |
| Chlorodibromomethane | 25.0 | 22.6 | 23.5 | 90.4 | 94.0 | 77.0-125 | | | 3.90 | 20 |
| Chloroethane | 25.0 | 17.8 | 19.0 | 71.2 | 76.0 | 47.0-150 | | | 6.52 | 20 |
| Chloroform | 25.0 | 20.9 | 22.9 | 83.6 | 91.6 | 73.0-120 | | | 9.13 | 20 |
| Chloromethane | 25.0 | 17.7 | 19.6 | 70.8 | 78.4 | 41.0-142 | | | 10.2 | 20 |
| 2-Chlorotoluene | 25.0 | 22.0 | 24.2 | 88.0 | 96.8 | 76.0-123 | | | 9.52 | 20 |
| 4-Chlorotoluene | 25.0 | 21.9 | 23.9 | 87.6 | 95.6 | 75.0-122 | | | 8.73 | 20 |
| 1,2-Dibromo-3-Chloropropane | 25.0 | 19.9 | 21.9 | 79.6 | 87.6 | 58.0-134 | | | 9.57 | 20 |
| 1,2-Dibromoethane | 25.0 | 21.0 | 21.7 | 84.0 | 86.8 | 80.0-122 | | | 3.28 | 20 |
| Dibromomethane | 25.0 | 21.6 | 23.2 | 86.4 | 92.8 | 80.0-120 | | | 7.14 | 20 |
| 1,2-Dichlorobenzene | 25.0 | 21.6 | 23.5 | 86.4 | 94.0 | 79.0-121 | | | 8.43 | 20 |
| 1,3-Dichlorobenzene | 25.0 | 21.3 | 23.1 | 85.2 | 92.4 | 79.0-120 | | | 8.11 | 20 |
| 1,4-Dichlorobenzene | 25.0 | 21.2 | 23.4 | 84.8 | 93.6 | 79.0-120 | | | 9.87 | 20 |
| Dichlorodifluoromethane | 25.0 | 19.9 | 21.7 | 79.6 | 86.8 | 51.0-149 | | | 8.65 | 20 |
| 1,1-Dichloroethane | 25.0 | 22.1 | 24.1 | 88.4 | 96.4 | 70.0-126 | | | 8.66 | 20 |
| 1,2-Dichloroethane | 25.0 | 20.2 | 21.8 | 80.8 | 87.2 | 70.0-128 | | | 7.62 | 20 |
| 1,1-Dichloroethene | 25.0 | 21.9 | 24.2 | 87.6 | 96.8 | 71.0-124 | | | 9.98 | 20 |
| cis-1,2-Dichloroethene | 25.0 | 21.1 | 22.9 | 84.4 | 91.6 | 73.0-120 | | | 8.18 | 20 |
| trans-1,2-Dichloroethene | 25.0 | 21.1 | 23.2 | 84.4 | 92.8 | 73.0-120 | | | 9.48 | 20 |
| 1,2-Dichloropropane | 25.0 | 22.3 | 24.1 | 89.2 | 96.4 | 77.0-125 | | | 7.76 | 20 |
| 1,1-Dichloropropene | 25.0 | 21.3 | 23.9 | 85.2 | 95.6 | 74.0-126 | | | 11.5 | 20 |
| 1,3-Dichloropropane | 25.0 | 21.6 | 22.3 | 86.4 | 89.2 | 80.0-120 | | | 3.19 | 20 |
| cis-1,3-Dichloropropene | 25.0 | 21.7 | 23.7 | 86.8 | 94.8 | 80.0-123 | | | 8.81 | 20 |
| trans-1,3-Dichloropropene | 25.0 | 22.0 | 22.8 | 88.0 | 91.2 | 78.0-124 | | | 3.57 | 20 |
| 2,2-Dichloropropane | 25.0 | 21.4 | 23.6 | 85.6 | 94.4 | 58.0-130 | | | 9.78 | 20 |
| Di-isopropyl ether | 25.0 | 23.5 | 25.2 | 94.0 | 101 | 58.0-138 | | | 6.98 | 20 |
| Ethylbenzene | 25.0 | 21.1 | 22.4 | 84.4 | 89.6 | 79.0-123 | | | 5.98 | 20 |
| Hexachloro-1,3-butadiene | 25.0 | 24.8 | 27.8 | 99.2 | 111 | 54.0-138 | | | 11.4 | 20 |
| Isopropylbenzene | 25.0 | 22.0 | 23.7 | 88.0 | 94.8 | 76.0-127 | | | 7.44 | 20 |
| p-Isopropyltoluene | 25.0 | 23.3 | 25.7 | 93.2 | 103 | 76.0-125 | | | 9.80 | 20 |
| 2-Butanone (MEK) | 125 | 107 | 119 | 85.6 | 95.2 | 44.0-160 | | | 10.6 | 20 |
| Methylene Chloride | 25.0 | 21.3 | 22.5 | 85.2 | 90.0 | 67.0-120 | | | 5.48 | 20 |

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

(LCS) R4257359-1 08/05/25 09:43 • (LCSD) R4257359-2 08/05/25 10:02

| Analyte | Spike Amount ug/l | LCS Result ug/l | LCSD Result ug/l | LCS Rec. % | LCSD Rec. % | Rec. Limits % | LCS Qualifier | LCSD Qualifier | RPD % | RPD Limits % |
|---|---|---|---|---|---|---|---|---|---|---|
| 4-Methyl-2-pentanone (MIBK) | 125 | 118 | 122 | 94.4 | 97.6 | 68.0-142 | | | 3.33 | 20 |
| Methyl tert-butyl ether | 25.0 | 20.9 | 22.1 | 83.6 | 88.4 | 68.0-125 | | | 5.58 | 20 |
| Naphthalene | 25.0 | 24.0 | 26.6 | 96.0 | 106 | 54.0-135 | | | 10.3 | 20 |
| n-Propylbenzene | 25.0 | 22.6 | 25.1 | 90.4 | 100 | 77.0-124 | | | 10.5 | 20 |
| Styrene | 25.0 | 22.1 | 23.4 | 88.4 | 93.6 | 73.0-130 | | | 5.71 | 20 |
| 1,1,1,2-Tetrachloroethane | 25.0 | 21.9 | 23.2 | 87.6 | 92.8 | 75.0-125 | | | 5.76 | 20 |
| 1,1,2,2-Tetrachloroethane | 25.0 | 22.6 | 23.3 | 90.4 | 93.2 | 65.0-130 | | | 3.05 | 20 |
| 1,1,2-Trichlorotrifluoroethane | 25.0 | 23.1 | 25.5 | 92.4 | 102 | 69.0-132 | | | 9.88 | 20 |
| Tetrachloroethene | 25.0 | 20.0 | 21.5 | 80.0 | 86.0 | 72.0-132 | | | 7.23 | 20 |
| Toluene | 25.0 | 21.2 | 22.4 | 84.8 | 89.6 | 79.0-120 | | | 5.50 | 20 |
| 1,2,3-Trichlorobenzene | 25.0 | 29.7 | 33.9 | 119 | 136 | 50.0-138 | | | 13.2 | 20 |
| 1,2,4-Trichlorobenzene | 25.0 | 24.4 | 27.2 | 97.6 | 109 | 57.0-137 | | | 10.9 | 20 |
| 1,1,1-Trichloroethane | 25.0 | 21.8 | 24.2 | 87.2 | 96.8 | 73.0-124 | | | 10.4 | 20 |
| 1,1,2-Trichloroethane | 25.0 | 21.0 | 21.7 | 84.0 | 86.8 | 80.0-120 | | | 3.28 | 20 |
| Trichloroethene | 25.0 | 19.8 | 22.4 | 79.2 | 89.6 | 78.0-124 | | | 12.3 | 20 |
| Trichlorofluoromethane | 25.0 | 22.0 | 24.7 | 88.0 | 98.8 | 59.0-147 | | | 11.6 | 20 |
| 1,2,3-Trichloropropane | 25.0 | 21.7 | 23.0 | 86.8 | 92.0 | 73.0-130 | | | 5.82 | 20 |
| 1,2,4-Trimethylbenzene | 25.0 | 23.1 | 25.2 | 92.4 | 101 | 76.0-121 | | | 8.70 | 20 |
| 1,2,3-Trimethylbenzene | 25.0 | 22.1 | 24.0 | 88.4 | 96.0 | 77.0-120 | | | 8.24 | 20 |
| 1,3,5-Trimethylbenzene | 25.0 | 22.9 | 25.2 | 91.6 | 101 | 76.0-122 | | | 9.56 | 20 |
| Vinyl chloride | 25.0 | 21.4 | 23.1 | 85.6 | 92.4 | 67.0-131 | | | 7.64 | 20 |
| Xylenes, Total | 75.0 | 64.6 | 68.7 | 86.1 | 91.6 | 79.0-123 | | | 6.15 | 20 |
| *(S) Toluene-d8* | | | | *102* | *99.3* | *80.0-120* | | | | |
| *(S) 4-Bromofluorobenzene* | | | | *96.1* | *96.2* | *77.0-126* | | | | |
| *(S) 1,2-Dichloroethane-d4* | | | | *110* | *103* | *70.0-130* | | | | |

## Method Blank (MB)

(MB) R4255784-3 08/07/25 06:55

| Analyte | MB Result mg/kg | MB Qualifier | MB MDL mg/kg | MB RDL mg/kg |
|---|---|---|---|---|
| Acetone | U | | 0.0697 | 0.100 |
| Acrylonitrile | U | | 0.00803 | 0.0125 |
| Benzene | U | | 0.000711 | 0.00100 |
| Bromobenzene | U | | 0.00390 | 0.0125 |
| Bromodichloromethane | U | | 0.00117 | 0.00250 |
| Bromoform | U | | 0.00992 | 0.0250 |
| Bromomethane | U | | 0.0101 | 0.0125 |
| n-Butylbenzene | U | | 0.00625 | 0.0125 |
| sec-Butylbenzene | U | | 0.00383 | 0.0125 |
| tert-Butylbenzene | U | | 0.00189 | 0.00500 |
| Carbon tetrachloride | U | | 0.00301 | 0.00500 |
| Chlorobenzene | U | | 0.000858 | 0.00250 |
| Chlorodibromomethane | U | | 0.00161 | 0.00250 |
| Chloroethane | U | | 0.00569 | 0.0100 |
| Chloroform | U | | 0.00162 | 0.00250 |
| Chloromethane | U | | 0.00850 | 0.0125 |
| 2-Chlorotoluene | U | | 0.00129 | 0.00250 |
| 4-Chlorotoluene | U | | 0.00154 | 0.00500 |
| 1,2-Dibromo-3-Chloropropane | U | | 0.0107 | 0.0250 |
| 1,2-Dibromoethane | U | | 0.00126 | 0.00250 |
| Dibromomethane | U | | 0.00178 | 0.00500 |
| 1,2-Dichlorobenzene | U | | 0.00156 | 0.00500 |
| 1,3-Dichlorobenzene | U | | 0.00165 | 0.00500 |
| 1,4-Dichlorobenzene | U | | 0.00175 | 0.00500 |
| Dichlorodifluoromethane | U | | 0.00435 | 0.00500 |
| 1,1-Dichloroethane | U | | 0.00101 | 0.00250 |
| 1,2-Dichloroethane | U | | 0.00146 | 0.00250 |
| 1,1-Dichloroethene | U | | 0.00153 | 0.00250 |
| cis-1,2-Dichloroethene | U | | 0.00129 | 0.00250 |
| trans-1,2-Dichloroethene | U | | 0.00104 | 0.00500 |
| 1,2-Dichloropropane | U | | 0.00192 | 0.00500 |
| 1,1-Dichloropropene | U | | 0.00138 | 0.00500 |
| 1,3-Dichloropropane | U | | 0.00162 | 0.00500 |
| cis-1,3-Dichloropropene | U | | 0.00105 | 0.00250 |
| trans-1,3-Dichloropropene | U | | 0.00105 | 0.00500 |
| 2,2-Dichloropropane | U | | 0.00202 | 0.00250 |
| Di-isopropyl ether | U | | 0.000769 | 0.00100 |
| Ethylbenzene | U | | 0.000987 | 0.00250 |
| Hexachloro-1,3-butadiene | U | | 0.0104 | 0.0250 |
| Isopropylbenzene | U | | 0.00101 | 0.00250 |

## Method Blank (MB)

(MB) R4255784-3 08/07/25 06:55

| Analyte | MB Result mg/kg | MB Qualifier | MB MDL mg/kg | MB RDL mg/kg |
|---|---|---|---|---|
| p-Isopropyltoluene | U | | 0.00213 | 0.00500 |
| 2-Butanone (MEK) | U | | 0.0887 | 0.100 |
| Methylene Chloride | U | | 0.0110 | 0.0250 |
| 4-Methyl-2-pentanone (MIBK) | U | | 0.00992 | 0.0250 |
| Methyl tert-butyl ether | U | | 0.000773 | 0.00100 |
| Naphthalene | U | | 0.00763 | 0.0125 |
| n-Propylbenzene | U | | 0.00169 | 0.00500 |
| Styrene | U | | 0.00445 | 0.0125 |
| 1,1,1,2-Tetrachloroethane | U | | 0.00130 | 0.00250 |
| 1,1,2,2-Tetrachloroethane | U | | 0.00116 | 0.00250 |
| 1,1,2-Trichlorotrifluoroethane | U | | 0.00281 | 0.00500 |
| Tetrachloroethene | U | | 0.00152 | 0.00250 |
| Toluene | U | | 0.00289 | 0.00500 |
| 1,2,3-Trichlorobenzene | U | | 0.00699 | 0.0125 |
| 1,2,4-Trichlorobenzene | U | | 0.00542 | 0.0125 |
| 1,1,1-Trichloroethane | U | | 0.00145 | 0.00250 |
| 1,1,2-Trichloroethane | U | | 0.00134 | 0.00250 |
| Trichloroethene | U | | 0.000891 | 0.00100 |
| Trichlorofluoromethane | U | | 0.00261 | 0.00400 |
| 1,2,3-Trichloropropane | U | | 0.00612 | 0.0125 |
| 1,2,4-Trimethylbenzene | U | | 0.00238 | 0.00500 |
| 1,2,3-Trimethylbenzene | U | | 0.00182 | 0.00500 |
| 1,3,5-Trimethylbenzene | U | | 0.00228 | 0.00500 |
| Vinyl chloride | U | | 0.00201 | 0.00250 |
| Xylenes, Total | U | | 0.00280 | 0.00650 |
| *(S) Toluene-d8* | *98.9* | | | *75.0-131* |
| *(S) 4-Bromofluorobenzene* | *95.6* | | | *67.0-138* |
| *(S) 1,2-Dichloroethane-d4* | *93.4* | | | *70.0-130* |

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

(LCS) R4255784-1 08/07/25 05:20 • (LCSD) R4255784-2 08/07/25 05:39

| Analyte | Spike Amount mg/kg | LCS Result mg/kg | LCSD Result mg/kg | LCS Rec. % | LCSD Rec. % | Rec. Limits % | LCS Qualifier | LCSD Qualifier | RPD % | RPD Limits % |
|---|---|---|---|---|---|---|---|---|---|---|
| Acetone | 3.13 | 2.36 | 2.53 | 75.4 | 80.8 | 10.0-160 | | | 6.95 | 31 |
| Acrylonitrile | 3.13 | 3.56 | 3.83 | 114 | 122 | 45.0-153 | | | 7.31 | 22 |
| Benzene | 0.625 | 0.658 | 0.693 | 105 | 111 | 70.0-123 | | | 5.18 | 20 |
| Bromobenzene | 0.625 | 0.684 | 0.673 | 109 | 108 | 73.0-121 | | | 1.62 | 20 |
| Bromodichloromethane | 0.625 | 0.601 | 0.617 | 96.2 | 98.7 | 73.0-121 | | | 2.63 | 20 |

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

(LCS) R4255784-1 08/07/25 05:20 • (LCSD) R4255784-2 08/07/25 05:39

| Analyte | Spike Amount mg/kg | LCS Result mg/kg | LCSD Result mg/kg | LCS Rec. % | LCSD Rec. % | Rec. Limits % | LCS Qualifier | LCSD Qualifier | RPD % | RPD Limits % |
|---|---|---|---|---|---|---|---|---|---|---|
| Bromoform | 0.625 | 0.512 | 0.520 | 81.9 | 83.2 | 64.0-132 | | | 1.55 | 20 |
| Bromomethane | 0.625 | 0.626 | 0.666 | 100 | 107 | 56.0-147 | E | E | 6.19 | 20 |
| n-Butylbenzene | 0.625 | 0.561 | 0.569 | 89.8 | 91.0 | 68.0-135 | | | 1.42 | 20 |
| sec-Butylbenzene | 0.625 | 0.626 | 0.620 | 100 | 99.2 | 74.0-130 | | | 0.963 | 20 |
| tert-Butylbenzene | 0.625 | 0.636 | 0.622 | 102 | 99.5 | 75.0-127 | | | 2.23 | 20 |
| Carbon tetrachloride | 0.625 | 0.585 | 0.594 | 93.6 | 95.0 | 66.0-128 | | | 1.53 | 20 |
| Chlorobenzene | 0.625 | 0.599 | 0.590 | 95.8 | 94.4 | 76.0-128 | | | 1.51 | 20 |
| Chlorodibromomethane | 0.625 | 0.579 | 0.584 | 92.6 | 93.4 | 74.0-127 | | | 0.860 | 20 |
| Chloroethane | 0.625 | 0.634 | 0.681 | 101 | 109 | 61.0-134 | | | 7.15 | 20 |
| Chloroform | 0.625 | 0.606 | 0.625 | 97.0 | 100 | 72.0-123 | | | 3.09 | 20 |
| Chloromethane | 0.625 | 0.748 | 0.781 | 120 | 125 | 51.0-138 | | | 4.32 | 20 |
| 2-Chlorotoluene | 0.625 | 0.651 | 0.652 | 104 | 104 | 75.0-124 | | | 0.153 | 20 |
| 4-Chlorotoluene | 0.625 | 0.615 | 0.603 | 98.4 | 96.5 | 75.0-124 | | | 1.97 | 20 |
| 1,2-Dibromo-3-Chloropropane | 0.625 | 0.483 | 0.529 | 77.3 | 84.6 | 59.0-130 | | | 9.09 | 20 |
| 1,2-Dibromoethane | 0.625 | 0.611 | 0.602 | 97.8 | 96.3 | 74.0-128 | | | 1.48 | 20 |
| Dibromomethane | 0.625 | 0.614 | 0.633 | 98.2 | 101 | 75.0-122 | | | 3.05 | 20 |
| 1,2-Dichlorobenzene | 0.625 | 0.571 | 0.584 | 91.4 | 93.4 | 76.0-124 | | | 2.25 | 20 |
| 1,3-Dichlorobenzene | 0.625 | 0.571 | 0.567 | 91.4 | 90.7 | 76.0-125 | | | 0.703 | 20 |
| 1,4-Dichlorobenzene | 0.625 | 0.554 | 0.554 | 88.6 | 88.6 | 77.0-121 | | | 0.000 | 20 |
| Dichlorodifluoromethane | 0.625 | 0.722 | 0.720 | 116 | 115 | 43.0-156 | | | 0.277 | 20 |
| 1,1-Dichloroethane | 0.625 | 0.665 | 0.677 | 106 | 108 | 70.0-127 | | | 1.79 | 20 |
| 1,2-Dichloroethane | 0.625 | 0.592 | 0.635 | 94.7 | 102 | 65.0-131 | | | 7.01 | 20 |
| 1,1-Dichloroethene | 0.625 | 0.680 | 0.698 | 109 | 112 | 65.0-131 | | | 2.61 | 20 |
| cis-1,2-Dichloroethene | 0.625 | 0.627 | 0.643 | 100 | 103 | 73.0-125 | | | 2.52 | 20 |
| trans-1,2-Dichloroethene | 0.625 | 0.597 | 0.608 | 95.5 | 97.3 | 71.0-125 | | | 1.83 | 20 |
| 1,2-Dichloropropane | 0.625 | 0.709 | 0.709 | 113 | 113 | 74.0-125 | | | 0.000 | 20 |
| 1,1-Dichloropropene | 0.625 | 0.708 | 0.737 | 113 | 118 | 73.0-125 | | | 4.01 | 20 |
| 1,3-Dichloropropane | 0.625 | 0.607 | 0.590 | 97.1 | 94.4 | 80.0-125 | | | 2.84 | 20 |
| cis-1,3-Dichloropropene | 0.625 | 0.662 | 0.662 | 106 | 106 | 76.0-127 | | | 0.000 | 20 |
| trans-1,3-Dichloropropene | 0.625 | 0.608 | 0.588 | 97.3 | 94.1 | 73.0-127 | | | 3.34 | 20 |
| 2,2-Dichloropropane | 0.625 | 0.524 | 0.514 | 83.8 | 82.2 | 59.0-135 | | | 1.93 | 20 |
| Di-isopropyl ether | 0.625 | 0.688 | 0.695 | 110 | 111 | 60.0-136 | | | 1.01 | 20 |
| Ethylbenzene | 0.625 | 0.591 | 0.586 | 94.6 | 93.8 | 74.0-126 | | | 0.850 | 20 |
| Hexachloro-1,3-butadiene | 0.625 | 0.490 | 0.495 | 78.4 | 79.2 | 57.0-150 | | | 1.02 | 20 |
| Isopropylbenzene | 0.625 | 0.551 | 0.549 | 88.2 | 87.8 | 72.0-127 | | | 0.364 | 20 |
| p-Isopropyltoluene | 0.625 | 0.595 | 0.599 | 95.2 | 95.8 | 72.0-133 | | | 0.670 | 20 |
| 2-Butanone (MEK) | 3.13 | 3.50 | 3.33 | 112 | 106 | 30.0-160 | | | 4.98 | 24 |
| Methylene Chloride | 0.625 | 0.561 | 0.566 | 89.8 | 90.6 | 68.0-123 | | | 0.887 | 20 |
| 4-Methyl-2-pentanone (MIBK) | 3.13 | 3.32 | 3.30 | 106 | 105 | 56.0-143 | | | 0.604 | 20 |
| Methyl tert-butyl ether | 0.625 | 0.564 | 0.561 | 90.2 | 89.8 | 66.0-132 | | | 0.533 | 20 |

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

(LCS) R4255784-1 08/07/25 05:20 • (LCSD) R4255784-2 08/07/25 05:39

| Analyte | Spike Amount mg/kg | LCS Result mg/kg | LCSD Result mg/kg | LCS Rec. % | LCSD Rec. % | Rec. Limits % | LCS Qualifier | LCSD Qualifier | RPD % | RPD Limits % |
|---|---|---|---|---|---|---|---|---|---|---|
| Naphthalene | 0.625 | 0.492 | 0.511 | 78.7 | 81.8 | 59.0-130 | | | 3.79 | 20 |
| n-Propylbenzene | 0.625 | 0.651 | 0.642 | 104 | 103 | 74.0-126 | | | 1.39 | 20 |
| Styrene | 0.625 | 0.577 | 0.566 | 92.3 | 90.6 | 72.0-127 | | | 1.92 | 20 |
| 1,1,1,2-Tetrachloroethane | 0.625 | 0.545 | 0.552 | 87.2 | 88.3 | 74.0-129 | | | 1.28 | 20 |
| 1,1,2,2-Tetrachloroethane | 0.625 | 0.615 | 0.618 | 98.4 | 98.9 | 68.0-128 | | | 0.487 | 20 |
| 1,1,2-Trichlorotrifluoroethane | 0.625 | 0.630 | 0.667 | 101 | 107 | 61.0-139 | | | 5.71 | 20 |
| Tetrachloroethene | 0.625 | 0.640 | 0.626 | 102 | 100 | 70.0-136 | | | 2.21 | 20 |
| Toluene | 0.625 | 0.606 | 0.606 | 97.0 | 97.0 | 75.0-121 | | | 0.000 | 20 |
| 1,2,3-Trichlorobenzene | 0.625 | 0.505 | 0.511 | 80.8 | 81.8 | 59.0-139 | | | 1.18 | 20 |
| 1,2,4-Trichlorobenzene | 0.625 | 0.481 | 0.496 | 77.0 | 79.4 | 62.0-137 | | | 3.07 | 20 |
| 1,1,1-Trichloroethane | 0.625 | 0.552 | 0.607 | 88.3 | 97.1 | 69.0-126 | | | 9.49 | 20 |
| 1,1,2-Trichloroethane | 0.625 | 0.580 | 0.577 | 92.8 | 92.3 | 78.0-123 | | | 0.519 | 20 |
| Trichloroethene | 0.625 | 0.692 | 0.737 | 111 | 118 | 76.0-126 | | | 6.30 | 20 |
| Trichlorofluoromethane | 0.625 | 0.634 | 0.658 | 101 | 105 | 61.0-142 | | | 3.72 | 20 |
| 1,2,3-Trichloropropane | 0.625 | 0.642 | 0.651 | 103 | 104 | 67.0-129 | | | 1.39 | 20 |
| 1,2,4-Trimethylbenzene | 0.625 | 0.573 | 0.576 | 91.7 | 92.2 | 70.0-126 | | | 0.522 | 20 |
| 1,2,3-Trimethylbenzene | 0.625 | 0.564 | 0.559 | 90.2 | 89.4 | 74.0-124 | | | 0.890 | 20 |
| 1,3,5-Trimethylbenzene | 0.625 | 0.590 | 0.586 | 94.4 | 93.8 | 73.0-127 | | | 0.680 | 20 |
| Vinyl chloride | 0.625 | 0.695 | 0.720 | 111 | 115 | 63.0-134 | | | 3.53 | 20 |
| Xylenes, Total | 1.88 | 1.72 | 1.71 | 91.5 | 91.0 | 72.0-127 | | | 0.583 | 20 |
| *(S) Toluene-d8* | | | | *96.5* | *95.9* | *75.0-131* | | | | |
| *(S) 4-Bromofluorobenzene* | | | | *89.5* | *89.2* | *67.0-138* | | | | |
| *(S) 1,2-Dichloroethane-d4* | | | | *104* | *109* | *70.0-130* | | | | |

## Method Blank (MB)

(MB) R4257247-3 08/06/25 10:53

| Analyte | MB Result mg/kg | MB Qualifier | MB MDL mg/kg | MB RDL mg/kg |
|---|---|---|---|---|
| Acetone | U | | 0.0697 | 0.100 |
| Acrylonitrile | U | | 0.00803 | 0.0125 |
| Benzene | U | | 0.000711 | 0.00100 |
| Bromobenzene | U | | 0.00390 | 0.0125 |
| Bromodichloromethane | U | | 0.00117 | 0.00250 |
| Bromoform | U | | 0.00992 | 0.0250 |
| Bromomethane | U | | 0.0101 | 0.0125 |
| n-Butylbenzene | U | | 0.00625 | 0.0125 |
| sec-Butylbenzene | U | | 0.00383 | 0.0125 |
| tert-Butylbenzene | U | | 0.00189 | 0.00500 |
| Carbon tetrachloride | U | | 0.00301 | 0.00500 |
| Chlorobenzene | U | | 0.000858 | 0.00250 |
| Chlorodibromomethane | U | | 0.00161 | 0.00250 |
| Chloroethane | U | | 0.00569 | 0.0100 |
| Chloroform | U | | 0.00162 | 0.00250 |
| Chloromethane | U | | 0.00850 | 0.0125 |
| 2-Chlorotoluene | U | | 0.00129 | 0.00250 |
| 4-Chlorotoluene | U | | 0.00154 | 0.00500 |
| 1,2-Dibromo-3-Chloropropane | U | | 0.0107 | 0.0250 |
| 1,2-Dibromoethane | U | | 0.00126 | 0.00250 |
| Dibromomethane | U | | 0.00178 | 0.00500 |
| 1,2-Dichlorobenzene | U | | 0.00156 | 0.00500 |
| 1,3-Dichlorobenzene | U | | 0.00165 | 0.00500 |
| 1,4-Dichlorobenzene | U | | 0.00175 | 0.00500 |
| Dichlorodifluoromethane | U | | 0.00435 | 0.00500 |
| 1,1-Dichloroethane | U | | 0.00101 | 0.00250 |
| 1,2-Dichloroethane | U | | 0.00146 | 0.00250 |
| 1,1-Dichloroethene | U | | 0.00153 | 0.00250 |
| cis-1,2-Dichloroethene | U | | 0.00129 | 0.00250 |
| trans-1,2-Dichloroethene | U | | 0.00104 | 0.00500 |
| 1,2-Dichloropropane | U | | 0.00192 | 0.00500 |
| 1,1-Dichloropropene | U | | 0.00138 | 0.00500 |
| 1,3-Dichloropropane | U | | 0.00162 | 0.00500 |
| cis-1,3-Dichloropropene | U | | 0.00105 | 0.00250 |
| trans-1,3-Dichloropropene | U | | 0.00105 | 0.00500 |
| 2,2-Dichloropropane | U | | 0.00202 | 0.00250 |
| Di-isopropyl ether | U | | 0.000769 | 0.00100 |
| Ethylbenzene | U | | 0.000987 | 0.00250 |
| Hexachloro-1,3-butadiene | U | | 0.0104 | 0.0250 |
| Isopropylbenzene | U | | 0.00101 | 0.00250 |

## Method Blank (MB)

(MB) R4257247-3 08/06/25 10:53

| Analyte | MB Result mg/kg | MB Qualifier | MB MDL mg/kg | MB RDL mg/kg |
|---|---|---|---|---|
| p-Isopropyltoluene | U | | 0.00213 | 0.00500 |
| 2-Butanone (MEK) | U | | 0.0887 | 0.100 |
| Methylene Chloride | U | | 0.0110 | 0.0250 |
| 4-Methyl-2-pentanone (MIBK) | U | | 0.00992 | 0.0250 |
| Methyl tert-butyl ether | U | | 0.000773 | 0.00100 |
| Naphthalene | U | | 0.00763 | 0.0125 |
| n-Propylbenzene | U | | 0.00169 | 0.00500 |
| Styrene | U | | 0.00445 | 0.0125 |
| 1,1,1,2-Tetrachloroethane | U | | 0.00130 | 0.00250 |
| 1,1,2,2-Tetrachloroethane | U | | 0.00116 | 0.00250 |
| 1,1,2-Trichlorotrifluoroethane | U | | 0.00281 | 0.00500 |
| Tetrachloroethene | U | | 0.00152 | 0.00250 |
| Toluene | U | | 0.00289 | 0.00500 |
| 1,2,3-Trichlorobenzene | U | | 0.00699 | 0.0125 |
| 1,2,4-Trichlorobenzene | U | | 0.00542 | 0.0125 |
| 1,1,1-Trichloroethane | U | | 0.00145 | 0.00250 |
| 1,1,2-Trichloroethane | U | | 0.00134 | 0.00250 |
| Trichloroethene | U | | 0.000891 | 0.00100 |
| Trichlorofluoromethane | U | | 0.00261 | 0.00400 |
| 1,2,3-Trichloropropane | U | | 0.00612 | 0.0125 |
| 1,2,4-Trimethylbenzene | U | | 0.00238 | 0.00500 |
| 1,2,3-Trimethylbenzene | U | | 0.00182 | 0.00500 |
| 1,3,5-Trimethylbenzene | U | | 0.00228 | 0.00500 |
| Vinyl chloride | U | | 0.00201 | 0.00250 |
| Xylenes, Total | U | | 0.00280 | 0.00650 |
| *(S) Toluene-d8* | *97.9* | | | *75.0-131* |
| *(S) 4-Bromofluorobenzene* | *107* | | | *67.0-138* |
| *(S) 1,2-Dichloroethane-d4* | *88.3* | | | *70.0-130* |

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

(LCS) R4257247-1 08/06/25 09:20 • (LCSD) R4257247-2 08/06/25 09:38

| Analyte | Spike Amount mg/kg | LCS Result mg/kg | LCSD Result mg/kg | LCS Rec. % | LCSD Rec. % | Rec. Limits % | LCS Qualifier | LCSD Qualifier | RPD % | RPD Limits % |
|---|---|---|---|---|---|---|---|---|---|---|
| Acetone | 3.13 | 5.09 | 4.94 | 163 | 158 | 10.0-160 | J4 | | 2.99 | 31 |
| Acrylonitrile | 3.13 | 3.57 | 3.52 | 114 | 112 | 45.0-153 | | | 1.41 | 22 |
| Benzene | 0.625 | 0.651 | 0.625 | 104 | 100 | 70.0-123 | | | 4.08 | 20 |
| Bromobenzene | 0.625 | 0.581 | 0.570 | 93.0 | 91.2 | 73.0-121 | | | 1.91 | 20 |
| Bromodichloromethane | 0.625 | 0.707 | 0.688 | 113 | 110 | 73.0-121 | | | 2.72 | 20 |

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

(LCS) R4257247-1 08/06/25 09:20 • (LCSD) R4257247-2 08/06/25 09:38

| Analyte | Spike Amount mg/kg | LCS Result mg/kg | LCSD Result mg/kg | LCS Rec. % | LCSD Rec. % | Rec. Limits % | LCS Qualifier | LCSD Qualifier | RPD % | RPD Limits % |
|---|---|---|---|---|---|---|---|---|---|---|
| Bromoform | 0.625 | 0.717 | 0.711 | 115 | 114 | 64.0-132 | | | 0.840 | 20 |
| Bromomethane | 0.625 | 0.537 | 0.513 | 85.9 | 82.1 | 56.0-147 | | | 4.57 | 20 |
| n-Butylbenzene | 0.625 | 0.610 | 0.596 | 97.6 | 95.4 | 68.0-135 | | | 2.32 | 20 |
| sec-Butylbenzene | 0.625 | 0.614 | 0.596 | 98.2 | 95.4 | 74.0-130 | | | 2.98 | 20 |
| tert-Butylbenzene | 0.625 | 0.629 | 0.604 | 101 | 96.6 | 75.0-127 | | | 4.06 | 20 |
| Carbon tetrachloride | 0.625 | 0.716 | 0.679 | 115 | 109 | 66.0-128 | | | 5.30 | 20 |
| Chlorobenzene | 0.625 | 0.547 | 0.524 | 87.5 | 83.8 | 76.0-128 | | | 4.30 | 20 |
| Chlorodibromomethane | 0.625 | 0.635 | 0.617 | 102 | 98.7 | 74.0-127 | | | 2.88 | 20 |
| Chloroethane | 0.625 | 0.464 | 0.432 | 74.2 | 69.1 | 61.0-134 | | | 7.14 | 20 |
| Chloroform | 0.625 | 0.644 | 0.616 | 103 | 98.6 | 72.0-123 | | | 4.44 | 20 |
| Chloromethane | 0.625 | 0.548 | 0.512 | 87.7 | 81.9 | 51.0-138 | | | 6.79 | 20 |
| 2-Chlorotoluene | 0.625 | 0.541 | 0.524 | 86.6 | 83.8 | 75.0-124 | | | 3.19 | 20 |
| 4-Chlorotoluene | 0.625 | 0.606 | 0.587 | 97.0 | 93.9 | 75.0-124 | | | 3.19 | 20 |
| 1,2-Dibromo-3-Chloropropane | 0.625 | 0.703 | 0.685 | 112 | 110 | 59.0-130 | | | 2.59 | 20 |
| 1,2-Dibromoethane | 0.625 | 0.634 | 0.624 | 101 | 99.8 | 74.0-128 | | | 1.59 | 20 |
| Dibromomethane | 0.625 | 0.672 | 0.663 | 108 | 106 | 75.0-122 | | | 1.35 | 20 |
| 1,2-Dichlorobenzene | 0.625 | 0.611 | 0.600 | 97.8 | 96.0 | 76.0-124 | | | 1.82 | 20 |
| 1,3-Dichlorobenzene | 0.625 | 0.610 | 0.604 | 97.6 | 96.6 | 76.0-125 | | | 0.988 | 20 |
| 1,4-Dichlorobenzene | 0.625 | 0.538 | 0.527 | 86.1 | 84.3 | 77.0-121 | | | 2.07 | 20 |
| Dichlorodifluoromethane | 0.625 | 0.681 | 0.657 | 109 | 105 | 43.0-156 | | | 3.59 | 20 |
| 1,1-Dichloroethane | 0.625 | 0.696 | 0.678 | 111 | 108 | 70.0-127 | | | 2.62 | 20 |
| 1,2-Dichloroethane | 0.625 | 0.645 | 0.593 | 103 | 94.9 | 65.0-131 | | | 8.40 | 20 |
| 1,1-Dichloroethene | 0.625 | 0.675 | 0.643 | 108 | 103 | 65.0-131 | | | 4.86 | 20 |
| cis-1,2-Dichloroethene | 0.625 | 0.660 | 0.645 | 106 | 103 | 73.0-125 | | | 2.30 | 20 |
| trans-1,2-Dichloroethene | 0.625 | 0.673 | 0.643 | 108 | 103 | 71.0-125 | | | 4.56 | 20 |
| 1,2-Dichloropropane | 0.625 | 0.733 | 0.709 | 117 | 113 | 74.0-125 | | | 3.33 | 20 |
| 1,1-Dichloropropene | 0.625 | 0.670 | 0.646 | 107 | 103 | 73.0-125 | | | 3.65 | 20 |
| 1,3-Dichloropropane | 0.625 | 0.607 | 0.592 | 97.1 | 94.7 | 80.0-125 | | | 2.50 | 20 |
| cis-1,3-Dichloropropene | 0.625 | 0.726 | 0.702 | 116 | 112 | 76.0-127 | | | 3.36 | 20 |
| trans-1,3-Dichloropropene | 0.625 | 0.659 | 0.637 | 105 | 102 | 73.0-127 | | | 3.40 | 20 |
| 2,2-Dichloropropane | 0.625 | 0.830 | 0.760 | 133 | 122 | 59.0-135 | | | 8.81 | 20 |
| Di-isopropyl ether | 0.625 | 0.672 | 0.647 | 108 | 104 | 60.0-136 | | | 3.79 | 20 |
| Ethylbenzene | 0.625 | 0.567 | 0.545 | 90.7 | 87.2 | 74.0-126 | | | 3.96 | 20 |
| Hexachloro-1,3-butadiene | 0.625 | 0.909 | 0.887 | 145 | 142 | 57.0-150 | | | 2.45 | 20 |
| Isopropylbenzene | 0.625 | 0.651 | 0.614 | 104 | 98.2 | 72.0-127 | | | 5.85 | 20 |
| p-Isopropyltoluene | 0.625 | 0.634 | 0.617 | 101 | 98.7 | 72.0-133 | | | 2.72 | 20 |
| 2-Butanone (MEK) | 3.13 | 4.39 | 4.33 | 140 | 138 | 30.0-160 | | | 1.38 | 24 |
| Methylene Chloride | 0.625 | 0.614 | 0.597 | 98.2 | 95.5 | 68.0-123 | | | 2.81 | 20 |
| 4-Methyl-2-pentanone (MIBK) | 3.13 | 3.03 | 2.95 | 96.8 | 94.2 | 56.0-143 | | | 2.68 | 20 |
| Methyl tert-butyl ether | 0.625 | 0.758 | 0.743 | 121 | 119 | 66.0-132 | | | 2.00 | 20 |

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

(LCS) R4257247-1 08/06/25 09:20 • (LCSD) R4257247-2 08/06/25 09:38

| Analyte | Spike Amount mg/kg | LCS Result mg/kg | LCSD Result mg/kg | LCS Rec. % | LCSD Rec. % | Rec. Limits % | LCS Qualifier | LCSD Qualifier | RPD % | RPD Limits % |
|---|---|---|---|---|---|---|---|---|---|---|
| Naphthalene | 0.625 | 0.523 | 0.540 | 83.7 | 86.4 | 59.0-130 | | | 3.20 | 20 |
| n-Propylbenzene | 0.625 | 0.597 | 0.585 | 95.5 | 93.6 | 74.0-126 | | | 2.03 | 20 |
| Styrene | 0.625 | 0.590 | 0.579 | 94.4 | 92.6 | 72.0-127 | | | 1.88 | 20 |
| 1,1,1,2-Tetrachloroethane | 0.625 | 0.606 | 0.569 | 97.0 | 91.0 | 74.0-129 | | | 6.30 | 20 |
| 1,1,2,2-Tetrachloroethane | 0.625 | 0.563 | 0.556 | 90.1 | 89.0 | 68.0-128 | | | 1.25 | 20 |
| 1,1,2-Trichlorotrifluoroethane | 0.625 | 0.685 | 0.642 | 110 | 103 | 61.0-139 | | | 6.48 | 20 |
| Tetrachloroethene | 0.625 | 0.584 | 0.565 | 93.4 | 90.4 | 70.0-136 | | | 3.31 | 20 |
| Toluene | 0.625 | 0.571 | 0.551 | 91.4 | 88.2 | 75.0-121 | | | 3.57 | 20 |
| 1,2,3-Trichlorobenzene | 0.625 | 0.682 | 0.684 | 109 | 109 | 59.0-139 | | | 0.293 | 20 |
| 1,2,4-Trichlorobenzene | 0.625 | 0.689 | 0.692 | 110 | 111 | 62.0-137 | | | 0.434 | 20 |
| 1,1,1-Trichloroethane | 0.625 | 0.745 | 0.712 | 119 | 114 | 69.0-126 | | | 4.53 | 20 |
| 1,1,2-Trichloroethane | 0.625 | 0.611 | 0.601 | 97.8 | 96.2 | 78.0-123 | | | 1.65 | 20 |
| Trichloroethene | 0.625 | 0.630 | 0.616 | 101 | 98.6 | 76.0-126 | | | 2.25 | 20 |
| Trichlorofluoromethane | 0.625 | 0.598 | 0.578 | 95.7 | 92.5 | 61.0-142 | | | 3.40 | 20 |
| 1,2,3-Trichloropropane | 0.625 | 0.631 | 0.622 | 101 | 99.5 | 67.0-129 | | | 1.44 | 20 |
| 1,2,4-Trimethylbenzene | 0.625 | 0.652 | 0.636 | 104 | 102 | 70.0-126 | | | 2.48 | 20 |
| 1,2,3-Trimethylbenzene | 0.625 | 0.588 | 0.580 | 94.1 | 92.8 | 74.0-124 | | | 1.37 | 20 |
| 1,3,5-Trimethylbenzene | 0.625 | 0.599 | 0.590 | 95.8 | 94.4 | 73.0-127 | | | 1.51 | 20 |
| Vinyl chloride | 0.625 | 0.534 | 0.497 | 85.4 | 79.5 | 63.0-134 | | | 7.18 | 20 |
| Xylenes, Total | 1.88 | 1.87 | 1.80 | 99.5 | 95.7 | 72.0-127 | | | 3.81 | 20 |
| *(S) Toluene-d8* | | | | *93.5* | *92.5* | *75.0-131* | | | | |
| *(S) 4-Bromofluorobenzene* | | | | *103* | *103* | *67.0-138* | | | | |
| *(S) 1,2-Dichloroethane-d4* | | | | *107* | *107* | *70.0-130* | | | | |

## L1884562-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1884562-06 08/06/25 17:51 • (MS) R4257247-4 08/06/25 18:10 • (MSD) R4257247-5 08/06/25 18:29

| Analyte | Spike Amount (dry) mg/kg | Original Result (dry) mg/kg | MS Result (dry) mg/kg | MSD Result (dry) mg/kg | MS Rec. % | MSD Rec. % | Dilution | Rec. Limits % | MS Qualifier | MSD Qualifier | RPD % | RPD Limits % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Acetone | 4.50 | U | 2.74 | 2.63 | 60.9 | 58.4 | 1 | 10.0-160 | | | 4.20 | 40 |
| Acrylonitrile | 4.50 | U | 5.06 | 5.03 | 113 | 112 | 1 | 10.0-160 | | | 0.639 | 40 |
| Benzene | 0.899 | U | 0.862 | 0.851 | 95.9 | 94.6 | 1 | 10.0-149 | | | 1.32 | 37 |
| Bromobenzene | 0.899 | U | 0.793 | 0.788 | 88.2 | 87.6 | 1 | 10.0-156 | | | 0.612 | 38 |
| Bromodichloromethane | 0.899 | U | 0.925 | 0.927 | 103 | 103 | 1 | 10.0-143 | | | 0.174 | 37 |
| Bromoform | 0.899 | U | 0.957 | 0.933 | 106 | 104 | 1 | 10.0-146 | | | 2.56 | 36 |
| Bromomethane | 0.899 | U | 0.651 | 0.640 | 72.4 | 71.1 | 1 | 10.0-149 | | | 1.75 | 38 |
| n-Butylbenzene | 0.899 | U | 0.891 | 0.867 | 99.1 | 96.4 | 1 | 10.0-160 | | | 2.75 | 40 |
| sec-Butylbenzene | 0.899 | U | 0.893 | 0.869 | 99.3 | 96.6 | 1 | 10.0-159 | | | 2.74 | 39 |
| tert-Butylbenzene | 0.899 | U | 0.912 | 0.886 | 101 | 98.6 | 1 | 10.0-156 | | | 2.87 | 39 |

## L1884562-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1884562-06 08/06/25 17:51 • (MS) R4257247-4 08/06/25 18:10 • (MSD) R4257247-5 08/06/25 18:29

| Analyte | Spike Amount (dry) mg/kg | Original Result (dry) mg/kg | MS Result (dry) mg/kg | MSD Result (dry) mg/kg | MS Rec. % | MSD Rec. % | Dilution | Rec. Limits % | MS Qualifier | MSD Qualifier | RPD % | RPD Limits % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Carbon tetrachloride | 0.899 | U | 1.03 | 1.02 | 114 | 113 | 1 | 10.0-145 | | | 1.10 | 37 |
| Chlorobenzene | 0.899 | U | 0.759 | 0.745 | 84.4 | 82.8 | 1 | 10.0-152 | | | 1.93 | 39 |
| Chlorodibromomethane | 0.899 | U | 0.864 | 0.836 | 96.1 | 93.0 | 1 | 10.0-146 | | | 3.22 | 37 |
| Chloroethane | 0.899 | U | 0.514 | 0.493 | 57.2 | 54.8 | 1 | 10.0-146 | | | 4.16 | 40 |
| Chloroform | 0.899 | U | 0.885 | 0.864 | 98.4 | 96.1 | 1 | 10.0-146 | | | 2.40 | 37 |
| Chloromethane | 0.899 | U | 0.756 | 0.749 | 84.1 | 83.3 | 1 | 10.0-159 | | | 0.857 | 37 |
| 2-Chlorotoluene | 0.899 | U | 0.756 | 0.753 | 84.1 | 83.7 | 1 | 10.0-159 | | | 0.427 | 38 |
| 4-Chlorotoluene | 0.899 | U | 0.851 | 0.859 | 94.6 | 95.5 | 1 | 10.0-155 | | | 0.943 | 39 |
| 1,2-Dibromo-3-Chloropropane | 0.899 | U | 0.823 | 0.796 | 91.6 | 88.5 | 1 | 10.0-151 | | | 3.38 | 39 |
| 1,2-Dibromoethane | 0.899 | U | 0.841 | 0.820 | 93.5 | 91.2 | 1 | 10.0-148 | | | 2.52 | 34 |
| Dibromomethane | 0.899 | U | 0.849 | 0.859 | 94.4 | 95.5 | 1 | 10.0-147 | | | 1.13 | 35 |
| 1,2-Dichlorobenzene | 0.899 | U | 0.878 | 0.849 | 97.7 | 94.4 | 1 | 10.0-155 | | | 3.36 | 37 |
| 1,3-Dichlorobenzene | 0.899 | U | 0.877 | 0.841 | 97.5 | 93.5 | 1 | 10.0-153 | | | 4.13 | 38 |
| 1,4-Dichlorobenzene | 0.899 | U | 0.767 | 0.743 | 85.3 | 82.6 | 1 | 10.0-151 | | | 3.20 | 38 |
| Dichlorodifluoromethane | 0.899 | U | 1.10 | 1.09 | 122 | 121 | 1 | 10.0-160 | | | 0.737 | 35 |
| 1,1-Dichloroethane | 0.899 | U | 0.927 | 0.933 | 103 | 104 | 1 | 10.0-147 | | | 0.693 | 37 |
| 1,2-Dichloroethane | 0.899 | U | 0.825 | 0.819 | 91.8 | 91.0 | 1 | 10.0-148 | | | 0.784 | 35 |
| 1,1-Dichloroethene | 0.899 | U | 0.993 | 0.973 | 110 | 108 | 1 | 10.0-155 | | | 1.97 | 37 |
| cis-1,2-Dichloroethene | 0.899 | U | 0.877 | 0.851 | 97.5 | 94.6 | 1 | 10.0-149 | | | 2.99 | 37 |
| trans-1,2-Dichloroethene | 0.899 | U | 0.951 | 0.925 | 106 | 103 | 1 | 10.0-150 | | | 2.75 | 37 |
| 1,2-Dichloropropane | 0.899 | U | 0.962 | 0.946 | 107 | 105 | 1 | 10.0-148 | | | 1.69 | 37 |
| 1,1-Dichloropropene | 0.899 | U | 0.943 | 0.938 | 105 | 104 | 1 | 10.0-153 | | | 0.514 | 35 |
| 1,3-Dichloropropane | 0.899 | U | 0.799 | 0.788 | 88.9 | 87.6 | 1 | 10.0-154 | | | 1.42 | 35 |
| cis-1,3-Dichloropropene | 0.899 | U | 0.935 | 0.928 | 104 | 103 | 1 | 10.0-151 | | | 0.692 | 37 |
| trans-1,3-Dichloropropene | 0.899 | U | 0.870 | 0.854 | 96.8 | 95.0 | 1 | 10.0-148 | | | 1.87 | 37 |
| 2,2-Dichloropropane | 0.899 | U | 0.754 | 0.749 | 83.9 | 83.3 | 1 | 10.0-138 | | | 0.643 | 36 |
| Di-isopropyl ether | 0.899 | U | 0.856 | 0.815 | 95.2 | 90.7 | 1 | 10.0-147 | | | 4.82 | 36 |
| Ethylbenzene | 0.899 | U | 0.823 | 0.812 | 91.6 | 90.3 | 1 | 10.0-160 | | | 1.38 | 38 |
| Hexachloro-1,3-butadiene | 0.899 | U | 1.34 | 1.27 | 149 | 142 | 1 | 10.0-160 | | | 5.06 | 40 |
| Isopropylbenzene | 0.899 | U | 0.972 | 0.949 | 108 | 106 | 1 | 10.0-155 | | | 2.35 | 38 |
| p-Isopropyltoluene | 0.899 | U | 0.933 | 0.906 | 104 | 101 | 1 | 10.0-160 | | | 2.98 | 40 |
| 2-Butanone (MEK) | 4.50 | U | 5.87 | 3.48 | 130 | 77.4 | 1 | 10.0-160 | | J3 | 51.0 | 40 |
| Methylene Chloride | 0.899 | U | 0.859 | 0.841 | 95.5 | 93.5 | 1 | 10.0-141 | | | 2.09 | 37 |
| 4-Methyl-2-pentanone (MIBK) | 4.50 | U | 3.51 | 3.48 | 78.1 | 77.4 | 1 | 10.0-160 | | | 0.922 | 35 |
| Methyl tert-butyl ether | 0.899 | U | 0.899 | 0.890 | 100 | 98.9 | 1 | 11.0-147 | | | 1.08 | 35 |
| Naphthalene | 0.899 | U | 0.666 | 0.664 | 74.0 | 73.8 | 1 | 10.0-160 | | | 0.242 | 36 |
| n-Propylbenzene | 0.899 | U | 0.859 | 0.836 | 95.5 | 93.0 | 1 | 10.0-158 | | | 2.66 | 38 |
| Styrene | 0.899 | U | 0.827 | 0.809 | 91.9 | 90.0 | 1 | 10.0-160 | | | 2.17 | 40 |
| 1,1,1,2-Tetrachloroethane | 0.899 | U | 0.862 | 0.846 | 95.9 | 94.1 | 1 | 10.0-149 | | | 1.89 | 39 |

## L1884562-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1884562-06 08/06/25 17:51 • (MS) R4257247-4 08/06/25 18:10 • (MSD) R4257247-5 08/06/25 18:29

| Analyte | Spike Amount (dry) | Original Result (dry) | MS Result (dry) | MSD Result (dry) | MS Rec. | MSD Rec. | Dilution | Rec. Limits | MS Qualifier | MSD Qualifier | RPD | RPD Limits |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | mg/kg | mg/kg | mg/kg | mg/kg | % | % | | % | | | % | % |
| 1,1,2,2-Tetrachloroethane | 0.899 | U | 0.699 | 0.695 | 77.8 | 77.2 | 1 | 10.0-160 | | | 0.694 | 35 |
| 1,1,2-Trichlorotrifluoroethane | 0.899 | U | 1.07 | 1.02 | 120 | 114 | 1 | 10.0-160 | | | 4.76 | 36 |
| Tetrachloroethene | 0.899 | 0.609 | 1.66 | 1.61 | 117 | 111 | 1 | 10.0-156 | | | 2.96 | 39 |
| Toluene | 0.899 | U | 0.804 | 0.791 | 89.4 | 88.0 | 1 | 10.0-156 | | | 1.62 | 38 |
| 1,2,3-Trichlorobenzene | 0.899 | U | 0.952 | 0.938 | 106 | 104 | 1 | 10.0-160 | | | 1.53 | 40 |
| 1,2,4-Trichlorobenzene | 0.899 | U | 1.03 | 0.980 | 114 | 109 | 1 | 10.0-160 | | | 4.66 | 40 |
| 1,1,1-Trichloroethane | 0.899 | U | 0.864 | 0.967 | 96.1 | 108 | 1 | 10.0-144 | | | 11.3 | 35 |
| 1,1,2-Trichloroethane | 0.899 | U | 0.814 | 0.796 | 90.5 | 88.5 | 1 | 10.0-160 | | | 2.20 | 35 |
| Trichloroethene | 0.899 | 0.0158 | 0.872 | 0.859 | 95.2 | 93.8 | 1 | 10.0-156 | | | 1.49 | 38 |
| Trichlorofluoromethane | 0.899 | U | 0.453 | 0.456 | 50.4 | 50.7 | 1 | 10.0-160 | | | 0.709 | 40 |
| 1,2,3-Trichloropropane | 0.899 | U | 0.790 | 0.772 | 87.8 | 85.8 | 1 | 10.0-156 | | | 2.27 | 35 |
| 1,2,4-Trimethylbenzene | 0.899 | U | 0.944 | 0.914 | 105 | 102 | 1 | 10.0-160 | | | 3.30 | 36 |
| 1,2,3-Trimethylbenzene | 0.899 | U | 0.862 | 0.840 | 95.9 | 93.4 | 1 | 10.0-160 | | | 2.65 | 36 |
| 1,3,5-Trimethylbenzene | 0.899 | U | 0.867 | 0.838 | 96.4 | 93.2 | 1 | 10.0-160 | | | 3.40 | 38 |
| Vinyl chloride | 0.899 | U | 0.749 | 0.746 | 83.3 | 83.0 | 1 | 10.0-160 | | | 0.431 | 37 |
| Xylenes, Total | 2.69 | U | 2.68 | 2.63 | 99.4 | 97.6 | 1 | 10.0-160 | | | 1.82 | 38 |
| *(S) Toluene-d8* | | | | | *93.3* | *91.7* | | *75.0-131* | | | | |
| *(S) 4-Bromofluorobenzene* | | | | | *104* | *103* | | *67.0-138* | | | | |
| *(S) 1,2-Dichloroethane-d4* | | | | | *101* | *101* | | *70.0-130* | | | | |

## Method Blank (MB)

(MB) R4256919-1 08/10/25 17:00

| Analyte | MB Result mg/kg | MB Qualifier | MB MDL mg/kg | MB RDL mg/kg |
|---|---|---|---|---|
| Diesel Range Organics (DRO) | U | | 1.33 | 4.00 |
| Residual Range Organics (RRO) | U | | 3.33 | 10.0 |
| *(S) o-Terphenyl* | *71.5* | | | *18.0-148* |

## Laboratory Control Sample (LCS)

(LCS) R4256919-2 08/10/25 17:12

| Analyte | Spike Amount mg/kg | LCS Result mg/kg | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|---|---|---|---|---|---|
| Diesel Range Organics (DRO) | 50.0 | 43.9 | 87.8 | 50.0-150 | |
| *(S) o-Terphenyl* | | | *66.4* | *18.0-148* | |

## L1884541-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1884541-03 08/10/25 18:40 • (MS) R4256919-3 08/10/25 18:52 • (MSD) R4256919-4 08/10/25 19:05

| Analyte | Spike Amount mg/kg | Original Result mg/kg | MS Result mg/kg | MSD Result mg/kg | MS Rec. % | MSD Rec. % | Dilution | Rec. Limits % | MS Qualifier | MSD Qualifier | RPD % | RPD Limits % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Diesel Range Organics (DRO) | 48.6 | 144 | 309 | 351 | 340 | 426 | 1 | 50.0-150 | J5 | E J5 | 12.7 | 20 |
| *(S) o-Terphenyl* | | | | | *54.6* | *56.6* | | *18.0-148* | | | | |

## Method Blank (MB)

(MB) R4257162-1 08/11/25 11:56

| Analyte | MB Result mg/kg | MB Qualifier | MB MDL mg/kg | MB RDL mg/kg |
|---|---|---|---|---|
| Diesel Range Organics (DRO) | U | | 1.33 | 4.00 |
| Residual Range Organics (RRO) | U | | 3.33 | 10.0 |
| *(S) o-Terphenyl* | *64.7* | | | *18.0-148* |

## Laboratory Control Sample (LCS)

(LCS) R4257162-2 08/11/25 12:10

| Analyte | Spike Amount mg/kg | LCS Result mg/kg | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|---|---|---|---|---|---|
| Diesel Range Organics (DRO) | 50.0 | 45.3 | 90.6 | 50.0-150 | |
| *(S) o-Terphenyl* | | | *54.7* | *18.0-148* | |

## L1884546-16 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1884546-16 08/11/25 12:53 • (MS) R4257162-3 08/11/25 13:07 • (MSD) R4257162-4 08/11/25 13:21

| Analyte | Spike Amount (dry) mg/kg | Original Result (dry) mg/kg | MS Result (dry) mg/kg | MSD Result (dry) mg/kg | MS Rec. % | MSD Rec. % | Dilution | Rec. Limits % | MS Qualifier | MSD Qualifier | RPD % | RPD Limits % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Diesel Range Organics (DRO) | 52.8 | U | 47.1 | 50.0 | 89.3 | 95.9 | 1 | 50.0-150 | | | 5.93 | 20 |
| *(S) o-Terphenyl* | | | | | *48.2* | *53.7* | | *18.0-148* | | | | |

## Method Blank (MB)

(MB) R4257122-1 08/11/25 12:17

| Analyte | MB Result mg/kg | MB Qualifier | MB MDL mg/kg | MB RDL mg/kg |
|---|---|---|---|---|
| Diesel Range Organics (DRO) | U | | 1.33 | 4.00 |
| Residual Range Organics (RRO) | U | | 3.33 | 10.0 |
| *(S) o-Terphenyl* | *70.3* | | | *18.0-148* |

## Laboratory Control Sample (LCS)

(LCS) R4257122-2 08/11/25 12:31

| Analyte | Spike Amount mg/kg | LCS Result mg/kg | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|---|---|---|---|---|---|
| Diesel Range Organics (DRO) | 50.0 | 45.5 | 91.0 | 50.0-150 | |
| *(S) o-Terphenyl* | | | *81.1* | *18.0-148* | |

## L1884546-17 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1884546-17 08/11/25 14:08 • (MS) R4257122-3 08/11/25 14:36 • (MSD) R4257122-4 08/11/25 15:04

| Analyte | Spike Amount (dry) mg/kg | Original Result (dry) mg/kg | MS Result (dry) mg/kg | MSD Result (dry) mg/kg | MS Rec. % | MSD Rec. % | Dilution | Rec. Limits % | MS Qualifier | MSD Qualifier | RPD % | RPD Limits % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Diesel Range Organics (DRO) | 52.6 | 54.4 | 67.9 | 104 | 25.7 | 94.7 | 20 | 50.0-150 | J J6 | J3 | 41.6 | 20 |
| *(S) o-Terphenyl* | | | | | *62.5* | *88.4* | | *18.0-148* | J7 | J7 | | |

Sample Narrative:

OS: Sample resembles laboratory standard for Hydraulic Oil.

## Method Blank (MB)

(MB) R4256597-1 08/09/25 02:13

| Analyte | MB Result mg/kg | MB Qualifier | MB MDL mg/kg | MB RDL mg/kg |
|---|---|---|---|---|
| PCB 1016 | U | | 0.0102 | 0.0340 |
| PCB 1221 | U | | 0.0107 | 0.0340 |
| PCB 1232 | U | | 0.0182 | 0.0340 |
| PCB 1242 | U | | 0.0101 | 0.0340 |
| PCB 1248 | U | | 0.0124 | 0.0170 |
| PCB 1254 | U | | 0.0104 | 0.0170 |
| PCB 1260 | U | | 0.0110 | 0.0170 |
| *(S) Decachlorobiphenyl* | *67.6* | | | *10.0-135* |
| *(S) Tetrachloro-m-xylene* | *82.6* | | | *10.0-139* |

## Laboratory Control Sample (LCS)

(LCS) R4256597-5 08/09/25 02:23

| Analyte | Spike Amount mg/kg | LCS Result mg/kg | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|---|---|---|---|---|---|
| PCB 1016 | 0.167 | 0.108 | 64.7 | 36.0-141 | |
| PCB 1260 | 0.167 | 0.127 | 76.0 | 37.0-145 | |
| *(S) Decachlorobiphenyl* | | | *59.9* | *10.0-135* | |
| *(S) Tetrachloro-m-xylene* | | | *73.9* | *10.0-139* | |

## L1884499-15 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1884499-15 08/10/25 23:46 • (MS) R4256992-1 08/10/25 23:55 • (MSD) R4256992-2 08/11/25 00:04

| Analyte | Spike Amount (dry) mg/kg | Original Result (dry) mg/kg | MS Result (dry) mg/kg | MSD Result (dry) mg/kg | MS Rec. % | MSD Rec. % | Dilution | Rec. Limits % | MS Qualifier | MSD Qualifier | RPD % | RPD Limits % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB 1016 | 0.206 | U | 0.114 | 0.0869 | 55.2 | 42.0 | 1 | 10.0-160 | | | 26.6 | 37 |
| PCB 1260 | 0.206 | U | 0.141 | 0.0890 | 68.3 | 43.0 | 1 | 10.0-160 | | J3 | 45.0 | 38 |
| *(S) Decachlorobiphenyl* | | | | | *50.2* | *43.3* | | *10.0-135* | | | | |
| *(S) Tetrachloro-m-xylene* | | | | | *74.7* | *71.7* | | *10.0-139* | | | | |

## Method Blank (MB)

(MB) R4256655-1 08/10/25 15:19

| Analyte | MB Result mg/kg | MB Qualifier | MB MDL mg/kg | MB RDL mg/kg |
|---|---|---|---|---|
| PCB 1016 | U | | 0.0102 | 0.0340 |
| PCB 1221 | U | | 0.0107 | 0.0340 |
| PCB 1232 | U | | 0.0182 | 0.0340 |
| PCB 1242 | U | | 0.0101 | 0.0340 |
| PCB 1248 | U | | 0.0124 | 0.0170 |
| PCB 1254 | U | | 0.0104 | 0.0170 |
| PCB 1260 | U | | 0.0110 | 0.0170 |
| *(S) Decachlorobiphenyl* | *69.1* | | | *10.0-135* |
| *(S) Tetrachloro-m-xylene* | *87.8* | | | *10.0-139* |

## Laboratory Control Sample (LCS)

(LCS) R4256655-2 08/10/25 15:29

| Analyte | Spike Amount mg/kg | LCS Result mg/kg | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|---|---|---|---|---|---|
| PCB 1016 | 0.167 | 0.139 | 83.2 | 36.0-141 | |
| PCB 1260 | 0.167 | 0.153 | 91.6 | 37.0-145 | |
| *(S) Decachlorobiphenyl* | | | *70.4* | *10.0-135* | |
| *(S) Tetrachloro-m-xylene* | | | *90.8* | *10.0-139* | |

## L1884546-15 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1884546-15 08/10/25 17:33 • (MS) R4256655-3 08/10/25 17:43 • (MSD) R4256655-4 08/10/25 17:52

| Analyte | Spike Amount (dry) mg/kg | Original Result (dry) mg/kg | MS Result (dry) mg/kg | MSD Result (dry) mg/kg | MS Rec. % | MSD Rec. % | Dilution | Rec. Limits % | MS Qualifier | MSD Qualifier | RPD % | RPD Limits % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB 1016 | 0.173 | U | 0.0996 | 0.100 | 57.4 | 57.3 | 1 | 10.0-160 | | | 0.429 | 37 |
| PCB 1260 | 0.173 | U | 0.0998 | 0.103 | 57.5 | 58.8 | 1 | 10.0-160 | | | 2.86 | 38 |
| *(S) Decachlorobiphenyl* | | | | | *42.7* | *43.0* | | *10.0-135* | | | | |
| *(S) Tetrachloro-m-xylene* | | | | | *70.1* | *71.7* | | *10.0-139* | | | | |

## Method Blank (MB)

(MB) R4259105-2 08/13/25 07:11

| Analyte | MB Result mg/kg | MB Qualifier | MB MDL mg/kg | MB RDL mg/kg |
|---|---|---|---|---|
| Anthracene | U | | 0.00163 | 0.00600 |
| Acenaphthene | U | | 0.00162 | 0.00600 |
| Acenaphthylene | U | | 0.00159 | 0.00600 |
| Benzo(a)anthracene | U | | 0.00200 | 0.00600 |
| Benzo(a)pyrene | U | | 0.00163 | 0.00600 |
| Benzo(b)fluoranthene | U | | 0.00275 | 0.00600 |
| Benzo(g,h,i)perylene | U | | 0.00193 | 0.00600 |
| Benzo(k)fluoranthene | U | | 0.00213 | 0.00600 |
| Chrysene | U | | 0.00206 | 0.00600 |
| Dibenz(a,h)anthracene | U | | 0.00201 | 0.00600 |
| Fluoranthene | U | | 0.00239 | 0.00600 |
| Fluorene | U | | 0.00180 | 0.00600 |
| Indeno(1,2,3-cd)pyrene | U | | 0.00234 | 0.00600 |
| Naphthalene | U | | 0.00579 | 0.0200 |
| Phenanthrene | U | | 0.00305 | 0.00600 |
| Pyrene | U | | 0.00205 | 0.00600 |
| 1-Methylnaphthalene | U | | 0.00219 | 0.0200 |
| 2-Methylnaphthalene | U | | 0.00571 | 0.0200 |
| 2-Chloronaphthalene | U | | 0.00129 | 0.0200 |
| *(S) p-Terphenyl-d14* | *118* | | | *23.0-120* |
| *(S) Nitrobenzene-d5* | *105* | | | *14.0-149* |
| *(S) 2-Fluorobiphenyl* | *113* | | | *34.0-125* |

## Laboratory Control Sample (LCS)

(LCS) R4259105-1 08/13/25 06:54

| Analyte | Spike Amount mg/kg | LCS Result mg/kg | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|---|---|---|---|---|---|
| Anthracene | 0.0800 | 0.0783 | 97.9 | 50.0-126 | |
| Acenaphthene | 0.0800 | 0.0717 | 89.6 | 50.0-120 | |
| Acenaphthylene | 0.0800 | 0.0790 | 98.8 | 50.0-120 | |
| Benzo(a)anthracene | 0.0800 | 0.0757 | 94.6 | 45.0-120 | |
| Benzo(a)pyrene | 0.0800 | 0.0676 | 84.5 | 42.0-120 | |
| Benzo(b)fluoranthene | 0.0800 | 0.0736 | 92.0 | 42.0-121 | |
| Benzo(g,h,i)perylene | 0.0800 | 0.0743 | 92.9 | 45.0-125 | |
| Benzo(k)fluoranthene | 0.0800 | 0.0755 | 94.4 | 49.0-125 | |
| Chrysene | 0.0800 | 0.0806 | 101 | 49.0-122 | |
| Dibenz(a,h)anthracene | 0.0800 | 0.0758 | 94.8 | 47.0-125 | |
| Fluoranthene | 0.0800 | 0.0849 | 106 | 49.0-129 | |

## Laboratory Control Sample (LCS)

(LCS) R4259105-1 08/13/25 06:54

| Analyte | Spike Amount mg/kg | LCS Result mg/kg | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|---|---|---|---|---|---|
| Fluorene | 0.0800 | 0.0812 | 102 | 49.0-120 | |
| Indeno(1,2,3-cd)pyrene | 0.0800 | 0.0716 | 89.5 | 46.0-125 | |
| Naphthalene | 0.0800 | 0.0769 | 96.1 | 50.0-120 | |
| Phenanthrene | 0.0800 | 0.0789 | 98.6 | 47.0-120 | |
| Pyrene | 0.0800 | 0.0793 | 99.1 | 43.0-123 | |
| 1-Methylnaphthalene | 0.0800 | 0.0814 | 102 | 51.0-121 | |
| 2-Methylnaphthalene | 0.0800 | 0.0797 | 99.6 | 50.0-120 | |
| 2-Chloronaphthalene | 0.0800 | 0.0777 | 97.1 | 50.0-120 | |
| *(S) p-Terphenyl-d14* | | | *117* | *23.0-120* | |
| *(S) Nitrobenzene-d5* | | | *107* | *14.0-149* | |
| *(S) 2-Fluorobiphenyl* | | | *115* | *34.0-125* | |

## L1884461-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1884461-02 08/13/25 10:03 • (MS) R4259105-3 08/13/25 10:21 • (MSD) R4259105-4 08/13/25 10:38

| Analyte | Spike Amount (dry) mg/kg | Original Result (dry) | MS Result (dry) | MSD Result (dry) | MS Rec. % | MSD Rec. % | Dilution | Rec. Limits % | MS Qualifier | MSD Qualifier | RPD % | RPD Limits % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Anthracene | 0.0832 | U | 0.0778 | 0.0791 | 93.6 | 95.2 | 1 | 10.0-145 | | | 1.62 | 30 |
| Acenaphthene | 0.0832 | U | 0.0734 | 0.0738 | 88.3 | 88.8 | 1 | 14.0-127 | | | 0.576 | 27 |
| Acenaphthylene | 0.0832 | U | 0.0798 | 0.0817 | 95.9 | 98.2 | 1 | 21.0-124 | | | 2.37 | 25 |
| Benzo(a)anthracene | 0.0832 | U | 0.0767 | 0.0782 | 92.2 | 94.0 | 1 | 10.0-139 | | | 1.92 | 30 |
| Benzo(a)pyrene | 0.0832 | U | 0.0772 | 0.0787 | 92.9 | 94.6 | 1 | 10.0-141 | | | 1.90 | 31 |
| Benzo(b)fluoranthene | 0.0832 | U | 0.0753 | 0.0775 | 90.6 | 93.2 | 1 | 10.0-140 | | | 2.91 | 36 |
| Benzo(g,h,i)perylene | 0.0832 | 0.00238 | 0.0748 | 0.0767 | 87.1 | 89.4 | 1 | 10.0-140 | | | 2.52 | 33 |
| Benzo(k)fluoranthene | 0.0832 | U | 0.0772 | 0.0786 | 92.9 | 94.5 | 1 | 10.0-137 | | | 1.77 | 31 |
| Chrysene | 0.0832 | U | 0.0810 | 0.0838 | 97.4 | 101 | 1 | 10.0-145 | | | 3.35 | 30 |
| Dibenz(a,h)anthracene | 0.0832 | U | 0.0749 | 0.0766 | 90.1 | 92.1 | 1 | 10.0-132 | | | 2.24 | 31 |
| Fluoranthene | 0.0832 | U | 0.0873 | 0.0902 | 105 | 108 | 1 | 10.0-153 | | | 3.23 | 33 |
| Fluorene | 0.0832 | U | 0.0825 | 0.0843 | 99.2 | 101 | 1 | 11.0-130 | | | 2.16 | 29 |
| Indeno(1,2,3-cd)pyrene | 0.0832 | U | 0.0693 | 0.0733 | 83.3 | 88.1 | 1 | 10.0-137 | | | 5.65 | 32 |
| Naphthalene | 0.0832 | U | 0.0776 | 0.0792 | 93.4 | 95.3 | 1 | 10.0-135 | | | 2.03 | 27 |
| Phenanthrene | 0.0832 | U | 0.0781 | 0.0810 | 93.9 | 97.4 | 1 | 10.0-144 | | | 3.73 | 31 |
| Pyrene | 0.0832 | U | 0.0787 | 0.0815 | 94.6 | 98.0 | 1 | 10.0-148 | | | 3.44 | 35 |
| 1-Methylnaphthalene | 0.0832 | U | 0.0820 | 0.0829 | 98.6 | 99.7 | 1 | 10.0-142 | | | 1.16 | 28 |
| 2-Methylnaphthalene | 0.0832 | U | 0.0801 | 0.0816 | 96.3 | 98.1 | 1 | 10.0-137 | | | 1.84 | 28 |
| 2-Chloronaphthalene | 0.0832 | U | 0.0795 | 0.0815 | 95.7 | 98.0 | 1 | 29.0-120 | | | 2.37 | 24 |
| *(S) p-Terphenyl-d14* | | | | | *110* | *113* | | *23.0-120* | | | | |
| *(S) Nitrobenzene-d5* | | | | | *103* | *106* | | *14.0-149* | | | | |
| *(S) 2-Fluorobiphenyl* | | | | | *112* | *114* | | *34.0-125* | | | | |

## Method Blank (MB)

(MB) R4257921-2 08/11/25 09:59

| Analyte | MB Result mg/kg | MB Qualifier | MB MDL mg/kg | MB RDL mg/kg |
|---|---|---|---|---|
| Anthracene | U | | 0.00163 | 0.00600 |
| Acenaphthene | U | | 0.00162 | 0.00600 |
| Acenaphthylene | U | | 0.00159 | 0.00600 |
| Benzo(a)anthracene | U | | 0.00200 | 0.00600 |
| Benzo(a)pyrene | U | | 0.00163 | 0.00600 |
| Benzo(b)fluoranthene | U | | 0.00275 | 0.00600 |
| Benzo(g,h,i)perylene | U | | 0.00193 | 0.00600 |
| Benzo(k)fluoranthene | U | | 0.00213 | 0.00600 |
| Chrysene | U | | 0.00206 | 0.00600 |
| Dibenz(a,h)anthracene | U | | 0.00201 | 0.00600 |
| Fluoranthene | U | | 0.00239 | 0.00600 |
| Fluorene | U | | 0.00180 | 0.00600 |
| Indeno(1,2,3-cd)pyrene | U | | 0.00234 | 0.00600 |
| Naphthalene | U | | 0.00579 | 0.0200 |
| Phenanthrene | U | | 0.00305 | 0.00600 |
| Pyrene | U | | 0.00205 | 0.00600 |
| 1-Methylnaphthalene | U | | 0.00219 | 0.0200 |
| 2-Methylnaphthalene | U | | 0.00571 | 0.0200 |
| 2-Chloronaphthalene | U | | 0.00129 | 0.0200 |
| *(S) p-Terphenyl-d14* | *108* | | | *23.0-120* |
| *(S) Nitrobenzene-d5* | *112* | | | *14.0-149* |
| *(S) 2-Fluorobiphenyl* | *91.5* | | | *34.0-125* |

## Laboratory Control Sample (LCS)

(LCS) R4257921-1 08/11/25 09:40

| Analyte | Spike Amount mg/kg | LCS Result mg/kg | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|---|---|---|---|---|---|
| Anthracene | 0.0800 | 0.0633 | 79.1 | 50.0-126 | |
| Acenaphthene | 0.0800 | 0.0622 | 77.8 | 50.0-120 | |
| Acenaphthylene | 0.0800 | 0.0688 | 86.0 | 50.0-120 | |
| Benzo(a)anthracene | 0.0800 | 0.0655 | 81.9 | 45.0-120 | |
| Benzo(a)pyrene | 0.0800 | 0.0594 | 74.3 | 42.0-120 | |
| Benzo(b)fluoranthene | 0.0800 | 0.0744 | 93.0 | 42.0-121 | |
| Benzo(g,h,i)perylene | 0.0800 | 0.0695 | 86.9 | 45.0-125 | |
| Benzo(k)fluoranthene | 0.0800 | 0.0705 | 88.1 | 49.0-125 | |
| Chrysene | 0.0800 | 0.0731 | 91.4 | 49.0-122 | |
| Dibenz(a,h)anthracene | 0.0800 | 0.0596 | 74.5 | 47.0-125 | |
| Fluoranthene | 0.0800 | 0.0678 | 84.8 | 49.0-129 | |

## Laboratory Control Sample (LCS)

(LCS) R4257921-1 08/11/25 09:40

| Analyte | Spike Amount mg/kg | LCS Result mg/kg | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|---|---|---|---|---|---|
| Fluorene | 0.0800 | 0.0691 | 86.4 | 49.0-120 | |
| Indeno(1,2,3-cd)pyrene | 0.0800 | 0.0588 | 73.5 | 46.0-125 | |
| Naphthalene | 0.0800 | 0.0700 | 87.5 | 50.0-120 | |
| Phenanthrene | 0.0800 | 0.0690 | 86.3 | 47.0-120 | |
| Pyrene | 0.0800 | 0.0704 | 88.0 | 43.0-123 | |
| 1-Methylnaphthalene | 0.0800 | 0.0696 | 87.0 | 51.0-121 | |
| 2-Methylnaphthalene | 0.0800 | 0.0668 | 83.5 | 50.0-120 | |
| 2-Chloronaphthalene | 0.0800 | 0.0666 | 83.3 | 50.0-120 | |
| *(S) p-Terphenyl-d14* | | | *103* | *23.0-120* | |
| *(S) Nitrobenzene-d5* | | | *117* | *14.0-149* | |
| *(S) 2-Fluorobiphenyl* | | | *96.8* | *34.0-125* | |

## L1884546-22 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1884546-22 08/11/25 12:54 • (MS) R4257921-3 08/11/25 13:14 • (MSD) R4257921-4 08/11/25 13:33

| Analyte | Spike Amount (dry) mg/kg | Original Result (dry) mg/kg | MS Result (dry) mg/kg | MSD Result (dry) mg/kg | MS Rec. % | MSD Rec. % | Dilution | Rec. Limits % | MS Qualifier | MSD Qualifier | RPD % | RPD Limits % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Anthracene | 0.0864 | U | 0.0752 | 0.0716 | 87.0 | 82.1 | 1 | 10.0-145 | | | 4.80 | 30 |
| Acenaphthene | 0.0864 | U | 0.0712 | 0.0683 | 82.4 | 78.3 | 1 | 14.0-127 | | | 4.11 | 27 |
| Acenaphthylene | 0.0864 | U | 0.0786 | 0.0754 | 90.9 | 86.4 | 1 | 21.0-124 | | | 4.15 | 25 |
| Benzo(a)anthracene | 0.0864 | U | 0.0747 | 0.0721 | 86.5 | 82.6 | 1 | 10.0-139 | | | 3.60 | 30 |
| Benzo(a)pyrene | 0.0864 | U | 0.0713 | 0.0708 | 82.5 | 81.1 | 1 | 10.0-141 | | | 0.776 | 31 |
| Benzo(b)fluoranthene | 0.0864 | U | 0.0764 | 0.0731 | 88.4 | 83.7 | 1 | 10.0-140 | | | 4.42 | 36 |
| Benzo(g,h,i)perylene | 0.0864 | U | 0.0668 | 0.0690 | 77.3 | 79.0 | 1 | 10.0-140 | | | 3.25 | 33 |
| Benzo(k)fluoranthene | 0.0864 | U | 0.0757 | 0.0726 | 87.6 | 83.2 | 1 | 10.0-137 | | | 4.16 | 31 |
| Chrysene | 0.0864 | U | 0.0836 | 0.0796 | 96.7 | 91.2 | 1 | 10.0-145 | | | 4.86 | 30 |
| Dibenz(a,h)anthracene | 0.0864 | U | 0.0628 | 0.0647 | 72.7 | 74.1 | 1 | 10.0-132 | | | 2.94 | 31 |
| Fluoranthene | 0.0864 | U | 0.0785 | 0.0729 | 90.8 | 83.5 | 1 | 10.0-153 | | | 7.43 | 33 |
| Fluorene | 0.0864 | U | 0.0791 | 0.0757 | 91.6 | 86.7 | 1 | 11.0-130 | | | 4.41 | 29 |
| Indeno(1,2,3-cd)pyrene | 0.0864 | U | 0.0586 | 0.0600 | 67.9 | 68.7 | 1 | 10.0-137 | | | 2.23 | 32 |
| Naphthalene | 0.0864 | U | 0.0834 | 0.0785 | 96.6 | 89.9 | 1 | 10.0-135 | | | 6.13 | 27 |
| Phenanthrene | 0.0864 | U | 0.0797 | 0.0761 | 92.2 | 87.1 | 1 | 10.0-144 | | | 4.67 | 31 |
| Pyrene | 0.0864 | U | 0.0859 | 0.0762 | 99.4 | 87.2 | 1 | 10.0-148 | | | 12.0 | 35 |
| 1-Methylnaphthalene | 0.0864 | U | 0.0811 | 0.0783 | 93.9 | 89.6 | 1 | 10.0-142 | | | 3.60 | 28 |
| 2-Methylnaphthalene | 0.0864 | U | 0.0793 | 0.0753 | 91.7 | 86.2 | 1 | 10.0-137 | | | 5.14 | 28 |
| 2-Chloronaphthalene | 0.0864 | U | 0.0728 | 0.0710 | 84.2 | 81.3 | 1 | 29.0-120 | | | 2.45 | 24 |
| *(S) p-Terphenyl-d14* | | | | | *120* | *104* | | *23.0-120* | | | | |
| *(S) Nitrobenzene-d5* | | | | | *122* | *117* | | *14.0-149* | | | | |
| *(S) 2-Fluorobiphenyl* | | | | | *97.3* | *94.3* | | *34.0-125* | | | | |

# GLOSSARY OF TERMS

## Guide to Reading and Understanding Your Laboratory Report

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

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

## Abbreviations and Definitions

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

| Qualifier | Description |
|---|---|
| C3 | The reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Method sensitivity check is acceptable. |
| C5 | The reported concentration is an estimate. The continuing calibration standard associated with this data responded high. Data is likely to show a high bias concerning the result. |
| E | The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL). |
| J | The identification of the analyte is acceptable; the reported value is an estimate. |
| J1 | Surrogate recovery limits have been exceeded; values are outside upper control limits. |

# GLOSSARY OF TERMS

| Qualifier | Description |
|---|---|
| J3 | The associated batch QC was outside the established quality control range for precision. |
| J4 | The associated batch QC was outside the established quality control range for accuracy. |
| J5 | The sample matrix interfered with the ability to make any accurate determination; spike value is high. |
| J6 | The sample matrix interfered with the ability to make any accurate determination; spike value is low. |
| J7 | Surrogate recovery cannot be used for control limit evaluation due to dilution. |
| O1 | The analyte failed the method required serial dilution test and/or subsequent post-spike criteria. These failures indicate matrix interference. |
| P | RPD between the primary and confirmatory analysis exceeded 40%. |
| V | The sample concentration is too high to evaluate accurate spike recoveries. |

# ACCREDITATIONS & LOCATIONS

## Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

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

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

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

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

Sample Receipt Checklist

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

G188

Pace Analytical National Mount Juliet, TN

# CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY- Affix Workorder/Login Label Here

Scan QR Code for instructions

L1884546

| | |
|---|---|
| Company Name: Geosyntec Consultants | Contact/Report To: Joey Hickey |
| Street Address: 920 SW Sixth Avenue Suite 600 Portland, Oregon 97204 | Phone #: 503-222-9518 |
| | E-Mail: jhickey@geosyntec.com |
| | Cc E-Mail: jlaurance@geosyntec.com |
| Customer Project #: NWSW0030 | Invoice to: Submit to Coupa |
| Project Name: North Star Casteel | Invoice E-mail: |
| Site Collection Info/Facility ID (as applicable): Vancouver, WA | Purchase Order # (if applicable): WO-NWSW0030-11591 |
| | Quote #: |
| Time Zone Collected: [ ] AK [X] PT [ ] MT [ ] CT [ ] ET | County / State origin of sample(s): Clark Co. Washington |
| Data Deliverables: [ ] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other | Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No |
| | Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day Other Standard TAT |
| | Date Results Requested: |
| | DW PWSID # or WW Permit # as applicable: |
| | Field Filtered (if applicable): [ ] Yes [ ] No |
| | Analysis: |

Specify Container Size **: 40mL | 4oz | 40mL | 4oz | 4oz | 2oz | --

Identify Container Preservative Type***: MeOH | None | MeOH | None | None | None | --

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

| Customer Sample ID | Matrix * | Comp / Grab | Composite Start Date | Composite Start Time | Collected or Composite End Date | Collected or Composite End Time | # Cont. | Residual Chlorine Result | Residual Chlorine Units | NWTPH-Gx | NWTPH-Dx (diesel and oil range) | VOCs (EPA 8260) | PAHs (EPA 8270) | PCBs (EPA 8082A) | Metals (See Note, Priority Pollutant 13 metals + Mn) | Hold All | Sample Comment | Preservation non-conformance identified for sample. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SB-01-3.25 | SS | G | | | 7/31/2025 | 1441 | 4 | | | | | | | | | H | -01 | |
| SB-01-8.75 | SS | G | | | 7/31/2025 | 1447 | 4 | | | X | X | X | X | X | X | | -02 | |
| SB-01-13.25 | SS | G | | | 7/31/2025 | 1500 | 4 | | | X | X | X | X | X | X | | -03 | |
| SB-01-19.25 | SS | G | | | 7/31/2025 | 1507 | 4 | | | | | | | | | H | -04 | |
| SB-02-4.25 | SS | G | | | 7/31/2025 | 1320 | 4 | | | | | | | | | H | -05 | |
| SB-02-9.75 | SS | G | | | 7/31/2025 | 1327 | 4 | | | X | X | X | X | X | X | | -06 | |
| SB-02-14.75 | SS | G | | | 7/31/2025 | 1340 | 4 | | | X | X | X | X | X | X | | -07 | |
| SB-02-19.75 | SS | G | | | 7/31/2025 | 1348 | 4 | | | H | H | H | H | H | X | | -08 | |
| SB-03-3.25 | SS | G | | | 7/31/2025 | 1229 | 4 | | | | | | | | | H | -09 | |
| SB-03-8.75 | SS | G | | | 7/31/2025 | 1237 | 4 | | | X | X | X | X | X | X | | -10 | |

Lab Use Only: Proj. Mgr: | AcctNum / Client ID: | Table #: | Profile / Template: | Prelog / Bottle Ord. ID:

Additional Instructions from Pace®:

Collected By: Printed Name Jon Laurance Signature Jon Laurance

Customer Remarks / Special Conditions / Possible Hazards:
H=Hold; Metals: Sb, As, Be, Cd, Cr, Cu, Pb, Hg, Ni, Se, Ag, Tl, Zn, Mn

# Coolers: | Thermometer ID: | Correction Factor (°C): | Obs. Temp. (°C): | Corrected Temp. (°C): | [ ] On Ice

| Relinquished by/Company: (Signature) | Date/Time: | Received by/Company: (Signature) | Date/Time: |
|---|---|---|---|
| Jon Laurance | 8/1/2025 1145 | To FedEx | 8/1/25 1145 |
| Relinquished by/Company: (Signature) | Date/Time: | Received by/Company: (Signature) | Date/Time: |
| | | Sabrina Ohm | 8/2/25 8:30 |
| Relinquished by/Company: (Signature) | Date/Time: | Received by/Company: (Signature) | Date/Time: |
| Relinquished by/Company: (Signature) | Date/Time: | Received by/Company: (Signature) | Date/Time: |

Tracking Number:

Delivered by: [ ] In-Person [ ] Courier [ ] FedEX [ ] UPS [ ] Other

Pace® Location Requested (City/State): **Pace Analytical National Mount Juliet, TN**

# CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY- Affix Workorder/Login Label Here

Scan QR Code for instructions

L1884546

| | |
|---|---|
| Company Name: Geosyntec Consultants | Contact/Report To: Joey Hickey |
| Street Address: 920 SW Sixth Avenue, Suite 600, Portland, Oregon 97204 | Phone #: 503-222-9518 |
| | E-Mail: jhickey@geosyntec.com |
| | Cc E-Mail: jlaurance@geosyntec.com |
| Customer Project #: NWSW0030 | Invoice to: Submit to Coupa |
| Project Name: North Star Casteel | Invoice E-mail: |
| Site Collection Info/Facility ID (as applicable): Vancouver, WA | Purchase Order # (if applicable): WO-NWSW0030-11591 |
| | Quote #: |
| Time Zone Collected: [ ] AK [X] PT [ ] MT [ ] CT [ ] ET | County / State origin of sample(s): Clark Co. Washington |
| Data Deliverables: [ ] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other | Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No |
| | Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day Other Standard TAT — Date Results Requested: |
| | DW PWSID # or WW Permit # as applicable: |
| | Field Filtered (if applicable): [ ] Yes [ ] No — Analysis: |

Specify Container Size **: 40mL | 4oz | 40mL | 4oz | 4oz | 2oz | –

Identify Container Preservative Type***: MeOH | None | MeOH | None | None | None | –

Analysis Requested

** Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4 (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

| Customer Sample ID | Matrix * | Comp / Grab | Composite Start Date | Composite Start Time | Collected or Composite End Date | Collected or Composite End Time | # Cont. | Residual Chlorine Result | Residual Chlorine Units | NWTPH-Gx | NWTPH-Dx (diesel and oil range) | VOCs (EPA 8260) | PAHs (EPA 8270) | PCBs (EPA 8082A) | Metals (See Note, Priority Pollutant 13 metals + Mn) | Hold All | Sample Comment |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SB-03-14.75 | SS | G | | | 7/31/2025 | 1243 | 4 | | | X | X | X | X | X | X | | -01 |
| SB-03-19.75 | SS | G | | | 7/31/2025 | 1249 | 4 | | | H | H | H | H | H | X | | -02 |
| SB-04-2.25 | SS | G | | | 7/31/2025 | 1059 | 4 | | | X | X | X | X | X | X | | -03 |
| SB-04-7.75 | SS | G | | | 7/31/2025 | 1105 | 4 | | | X | X | X | X | X | X | | -04 |
| SB-05-2.75 | SS | G | | | 7/31/2025 | 1138 | 4 | | | X | X | X | X | X | X | | -05 |
| SB-05-9.25 | SS | G | | | 7/31/2025 | 1148 | 4 | | | X | X | X | X | X | X | | -16 |
| SB-06-2.25 | SS | G | | | 7/31/2025 | 1022 | 4 | | | X | X | X | X | X | X | | -17 |
| SB-06-8.25 | SS | G | | | 7/31/2025 | 1030 | 4 | | | X | X | X | X | X | X | | -18 |
| SB-07-2.75 | SS | G | | | 7/31/2025 | 0943 | 4 | | | X | X | X | X | X | X | | -19 |
| SB-07-9.25 | SS | G | | | 7/31/2025 | 0950 | 4 | | | X | X | X | X | X | X | | -20 |

Lab Use Only: Proj. Mgr: | AcctNum / Client ID: | Table #: | Profile / Template: | Prelog / Bottle Ord. ID:

Preservation non-conformance identified for sample.

Additional Instructions from Pace® :

Collected By: Printed Name Jon Laurance Signature

Customer Remarks / Special Conditions / Possible Hazards:
H=Hold; Metals: Sb, As, Be, Cd, Cr, Cu, Pb, Hg, Ni, Se, Ag, Tl, Zn, Mn

| # Coolers: | Thermometer ID: | Correction Factor (°C): | Obs. Temp. (°C): | Corrected Temp. (°C): | [ ] On Ice |
|---|---|---|---|---|---|
| | | | | | |

| Relinquished by/Company: (Signature) | Date/Time: | Received by/Company: (Signature) | Date/Time: | Tracking Number: |
|---|---|---|---|---|
| | 8/1/2025 1145 | To FedEx | 8/1/25 1145 | |
| Relinquished by/Company: (Signature) | Date/Time: | Received by/Company: (Signature) | Date/Time: | Delivered by: [ ] In-Person [ ] Courier [ ] FedEX [ ] UPS [ ] Other |
| | | | 8/2/25 8:30 | |
| Relinquished by/Company: (Signature) | Date/Time: | Received by/Company: (Signature) | Date/Time: | |
| Relinquished by/Company: (Signature) | Date/Time: | Received by/Company: (Signature) | Date/Time: | Page: 2 of 3 |

Pace® Location Requested (City/State): **Pace Analytical National Mount Juliet, TN**

# CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY- Affix Workorder/Login Label Here

Scan QR Code for instructions

L1684546

| | |
|---|---|
| Company Name: Geosyntec Consultants | Contact/Report To: Joey Hickey |
| Street Address: 920 SW Sixth Avenue Suite 600 Portland, Oregon 97204 | Phone #: 503-222-9518 |
| | E-Mail: jhickey@geosyntec.com |
| | Cc E-Mail: jlaurance@geosyntec.com |
| Customer Project #: NWSW0030 | Invoice to: Submit to Coupa |
| Project Name: North Star Casteel | Invoice E-mail: |
| Site Collection Info/Facility ID (as applicable): Vancouver, WA | Purchase Order # (if applicable): WO-NWSW0030-11591 |
| | Quote #: |
| Time Zone Collected: [ ] AK [X] PT [ ] MT [ ] CT [ ] ET | County / State origin of sample(s): Clark Co. Washington |
| Data Deliverables: [ ] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other | Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No |
| | Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day Other Standard TAT |
| | Date Results Requested: |
| | DW PWSID # or WW Permit # as applicable: |
| | Field Filtered (if applicable): [ ] Yes [ ] No |
| | Analysis: |

Specify Container Size **

| 40mL | 4oz | 40mL | 4oz | 4oz | 2oz | -- | | | |
|---|---|---|---|---|---|---|---|---|---|
| MeOH | None | MeOH | None | None | None | -- | | | |

Identify Container Preservative Type***

Analysis Requested

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

| Customer Sample ID | Matrix * | Comp / Grab | Composite Start Date | Composite Start Time | Collected or Composite End Date | Collected or Composite End Time | # Cont. | Residual Chlorine Result | Residual Chlorine Units | NWTPH-Gx | NWTPH-Dx (diesel and oil range) | VOCs (EPA 8260) | PAHs (EPA 8270) | PCBs (EPA 8082A) | Metals (See Note, Priority Pollutant 13 metals + Mn) | Hold All | | | | Sample Comment | Preservation non-conformance identified for sample. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SB-08-3.75 | SS | G | | | 7/31/2025 | 0843 | 4 | | | | | | | | | H | | | | -21 | |
| SB-08-9.25 | SS | G | | | 7/31/2025 | 1858 | 4 | | | X | X | X | X | X | X | | | | | -22 | |
| SB-08-14.25 | SS | G | | | 7/31/2025 | 0904 | 4 | | | X | X | X | X | X | X | | | | | -23 | |
| SB-08-19.25 | SS | G | | | 7/31/2025 | 0910 | 4 | | | H | H | H | H | H | X | | | | | -24 | |
| TRIP BLANK 1 | SS | G | | | 7/31/2025 | 1550 | 1 | | | | | | | | | H | | | | -25 | |
| TRIP BLANK 2 | SS | G | | | 7/31/2025 | 1551 | 1 | | | | | | | | | H | | | | -26 | |
| | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |

Lab Use Only: Proj. Mgr: / AcctNum / Client ID: / Table #: / Profile / Template: / Prelog / Bottle Ord. ID:

Additional Instructions from Pace®:

Collected By: Printed Name Jon Laurance Signature

Customer Remarks / Special Conditions / Possible Hazards:
H=Hold; Metals: Sb, As, Be, Cd, Cr, Cu, Pb, Hg, Ni, Se, Ag, Tl, Zn, Mn

# Coolers: | Thermometer ID: | Correction Factor (°C): | Obs. Temp. (°C): | Corrected Temp. (°C): | [ ] On Ice

| Relinquished by/Company: (Signature) | Date/Time: | Received by/Company: (Signature) | Date/Time: |
|---|---|---|---|
| Jon Laurance | 8/1/2025 1145 | To FedEx | 8/1/25 1145 |
| Relinquished by/Company: (Signature) | Date/Time: | Received by/Company: (Signature) Sabrina | Date/Time: 8/2/25 8:30 |
| Relinquished by/Company: (Signature) | Date/Time: | Received by/Company: (Signature) | Date/Time: |
| Relinquished by/Company: (Signature) | Date/Time: | Received by/Company: (Signature) | Date/Time: |

Tracking Number:

Delivered by: [ ] In-Person [ ] Courier [ ] FedEX [ ] UPS [ ] Other

**Multiple Parcel Form** L# L1884546

| Parcel Tracking Number | Infrared Thermometer ID | Temperature Reading (°C) | Correction Factor (°C) | Corrected Temperature (°C) | Custody Seal Intact |
|---|---|---|---|---|---|
| 4580 6320 6976 | TLA9 | 3.5 | -0.1 | 3.4 | Yes / No / Not Present |
| 4580 6320 6965 | TLA9 | 1.1 | -0.1 | 1.0 | Yes / No / Not Present |
| | | | | | Yes / No / Not Present |
| | | | | | Yes / No / Not Present |
| | | | | | Yes / No / Not Present |
| | | | | | Yes / No / Not Present |
| | | | | | Yes / No / Not Present |
| | | | | | Yes / No / Not Present |
| | | | | | Yes / No / Not Present |
| | | | | | Yes / No / Not Present |
| | | | | | Yes / No / Not Present |
| | | | | | Yes / No / Not Present |
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| | | | | | Yes / No / Not Present |
| | | | | | Yes / No / Not Present |
| | | | | | Yes / No / Not Present |
| | | | | | Yes / No / Not Present |
| | | | | | Yes / No / Not Present |

Sabryn
Name

8/2/25
Date