



REPORT
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Mercer Island Construction Completion Environmental Sampling Report

Prepared for:
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Acronyms and Abbreviations

amsl	above mean sea level
ASTM	ASTM International
Bgs	below ground surface
BTEX	benzene, toluene, ethylbenzene, and xylenes
Cis-DCE	cis-1,2-dichloroethene
CDM Smith	CDM Smith Inc.
CID	Contained-In Determination
CLARC	Cleanup Levels and Risk Calculations
CMP/EMMP	Compliance Monitoring Plan and Environmental Media Management Plan
cVOCs	chlorinated volatile organic compounds
DAQ	data acquisition system
Ecology	Washington State Department of Ecology
ESA	Environmental Site Assessment
EL	elevation
I-5	Interstate 5
mg/kg	milligrams per kilogram
MTCA	Model Toxics Control Act
Onsite	Onsite Environmental Inc.
TCE	Trichloroethene
PCE	tetrachloroethene
TPH-G	total gasoline-range petroleum hydrocarbons
TPH-O	total oil-range petroleum hydrocarbons
REC	recognized environmental condition
µg/m ³	micrograms per cubic meter
µg/L	micrograms per liter
Xinghua	Xinghua Group Ltd



1.0 Introduction

CDM Smith Inc. (CDM Smith) prepared this Construction Completion Environmental Sampling report for the Xinghua Group Ltd (Xinghua) Mercer Island site located at 2885 78th Ave SE, Mercer Island, Washington. The report documents the construction activities regarding environmental planning and management of excavation and disposal of impacted soils completed in the spring and summer of 2024.

1.1 Site Location and Description

The Mercer Island site (henceforth “property” or “site”) is in a commercial area between 77th and 78th Ave SE on Mercer Island, Washington (**Figure 1**). The property encompasses a single L-shaped parcel listed on the King County Assessor’s website as Parcel No. 531501326, and is addressed as both 2750 and 2885 78th Ave SE, Mercer Island, Washington. The property is bounded by 78th Avenue SE to the east, followed by a grocery store and apartment buildings; Southeast 29th Street to the south, followed by a gas station and Century Link building; and a McDonald’s fast food restaurant to the north. A church occupies the southwest corner of the block immediately adjacent to the site and is not a part of the planned redevelopment and is followed by 77th Avenue SE and a grocery store further to the west.

The site is sloped to the southwest and covers approximately 1.0 acre of land. The site was previously developed with a two-story retail strip mall building constructed in 1962, totaling 12,100 square feet. Remaining areas of the site consist of paved parking and landscaped areas.

The property is currently being redeveloped by Xinghua Group, LTD. The redevelopment will include a 0.46 acre parcel located adjacent to the west side of the site. This parcel (King County Assess Parcel No. 53510136) was occupied by a 7,036 square-foot retail building that was occupied by pet store and a bike shop. No environmental issues have been previously identified for this parcel.

1.2 Geology and Hydrogeology

1.2.1 Geology

The site is on north-south trending Mercer Island in Lake Washington. Geology mostly consists of Pleistocene till and outwash clay, silt, sand, gravel, cobble, and boulders deposited by or originating from continental glaciers, and locally includes peat, nonglacial sediments, modified land, and artificial fill.

Subsurface conditions at the site were characterized as a part of pre-construction activities during previous environmental investigations conducted on the property. Subsurface geology is described as a mixture of sandy silt, silty sand, sand, clayey sand, clayey silt and some deleterious material in non-native fill material. These layers intercalate across the site, giving evidence of remixing and disturbance during the site’s history.

1.2.2 Hydrogeology

Low permeability, clay-rich soils in the sub surface appear to act as a lower confining layer in the shallow alluvial aquifer, which restricts vertical flow. During the last groundwater sampling event conducted in

February 2024, shallow groundwater beneath the site appeared to be present under confined, or semi-confined conditions with potentiometric surface elevations in monitoring wells ranging from 79.57 feet above mean sea level (amsl) in the southwestern portion of the site to 83.32 ft amsl in the northeastern portion of the site. The groundwater gradient across the site appears to be generally towards the southwest at approximately 0.014 feet per foot (ft/ft). During pre-construction test pit activities, groundwater was encountered at depths ranging from 7 to 9 feet below ground surface (ft bgs) depending on the test pit location.

1.3 Existing Conditions

The property slopes towards the southwest and has an elevation of approximately 85 feet amsl with roughly 8 ft of elevation loss across the site. Prior to excavation activities, surface cover at the property was a mix of asphalt in various conditions and unused building structures. The former strip-mall building which included a drycleaner operation in one of the units was unoccupied during the time that test pitting and confirmation sampling was performed.

1.4 Site History

According to a Phase 1 Environmental Site Assessment (ESA) completed by Farallon Consulting L.L.C (Farallon) in May 2018, the property was first developed in 1949 with a residence that used an oil burner as a source of heat (Farallon, 2018). The residence was replaced in 1962 with the present commercial building that was used for retail, offices, and a restaurant. At the time, the building occupants included the Tiger Garden Chinese Restaurant and Lounge, King Insurance, Q Nails, and Goesling Gallery. A+ Cleaners, a dry cleaning facility, operated at the site for approximately 12 years and ceased operations in April 2015. No dry cleaning operations have been conducted onsite since 2015 and the building has mostly been occupied by the same tenants since then.

1.5 Prior Environmental Investigations

Various environmental investigations were conducted at the site between 2012 and 2018 as summarized below.

1.5.1 Pacific Crest Environmental, 2012

In June 2012, Pacific Crest Environmental completed a limited subsurface investigation to evaluate recognized environmental conditions (RECs) identified during a previously prepared Phase 1 Environmental Site Assessment (ESA) (Pacific Crest Environmental, 2012). These RECs included the presence of the onsite dry cleaner and potential onsite contamination from offsite sources, including the Shell-branded gas station across the street to the south, a reported release of petroleum hydrocarbons on the southeast adjoining property, nearby dry cleaners, and the fire station. Two borings were drilled at the northwest corner of the building, a third boring at the south side of the building, and fourth boring at the southeast corner of the property. A soil sample was collected from each boring for laboratory analysis. Groundwater samples were also collected from temporary wells installed in each borehole. None of the contaminants analyzed during this limited subsurface investigation were detected, except for 580 milligrams per kilogram (mg/kg) of oil-range total petroleum hydrocarbons (TPH-O) detected in a soil sample collected at a depth between 4 and 5 feet below ground surface (bgs). This detection of TPH-O is less than the Model Toxics Control Act (MTCA) Method A cleanup level of

2,000 mg/kg. Pacific Crest Environmental concluded that the property had not been impacted by the RECs identified in the Phase 1 ESA.

1.5.2 ABPB Consulting, 2012

In November 2012, ABPB Consulting completed a Phase 1 ESA and limited Phase 2 ESA for the site (ABPB Consulting, 2012). ABPB drilled and installed three monitoring wells on the south edge of the site to further evaluate the potential for petroleum contamination migration onto the subject property from the adjacent gas station to the south, as well as the presence of chlorinated solvents from onsite dry cleaning operations. Soil samples were analyzed for total gasoline-range petroleum hydrocarbons (TPH-G) and benzene, toluene, ethylbenzene, and xylenes (BTEX). These compounds were non-detect in all of analyzed samples. Groundwater samples were analyzed for TPH-G/BTEX and chlorinated volatile organic compounds (cVOCs) and all compounds were not detected at concentrations exceeding the laboratory reporting levels. ABPB further concluded that the dry cleaning business used sealed equipment, appropriate handling of cleaning materials, and adequate measures to prevent possible leaks and spreading of any possible leaks that might occur.”

1.5.3 Farallon, 2013

Farallon completed a Phase 1 ESA for the site in October 2013. They identified the same RECs as prior consultants. In September 2013, Farallon conducted its first subsurface investigation which included: 1) sampling four existing monitoring wells installed by others, 2) advancing eight borings (five onsite, and three on the adjacent parcel to the west) to collect soil and groundwater samples for analysis; and 3) collecting and analyzing a sub-slab soil gas sample adjacent to the dry cleaning machine (Farallon, 2013). Trichloroethene (TCE) and cis-1,2-dichloroethene (cis-DCE) were detected at concentrations of 0.38 and 0.67 micrograms per liter (µg/L) in a groundwater sample collected from one boring. The concentrations of these compounds are less than their respective MTCA Method A/B groundwater cleanup levels by one to two orders of magnitude. These compounds are degradation products of the dry cleaning solvent tetrachloroethene (PCE). No petroleum hydrocarbon or cVOC compounds were detected in any of the soil samples analyzed.

PCE was detected in the soil gas sample at a concentration of 2,000 micrograms per cubic meter (µg/m³) and TCE was detected at a concentration of 5.2 µg/m³. Farallon reported that the PCE and TCE concentrations in the soil gas sample exceed the MTCA Method B screening levels for soil gas in a residential setting, and that PCE exceeded its screening level in a commercial setting. It should be noted that the Washington State Department of Ecology’s (Ecology) current Cleanup Levels and Risk Calculations (CLARC) tables indicate that the Method B sub-slab screening level for TCE (11 µg/m³) was not exceeded. While the sub-slab Method B screening level for PCE (320 µg/m³) was exceeded, the Method C sub-slab screening level (3,200 µg/m³) was not. Furthermore, this is a very preliminary analysis, based on a single sub-slab sample collected next to an operating dry cleaning machine and does not prove the presence of vapor intrusion.

In December 2013, Farallon conducted additional investigation to further evaluate cVOC impacts associated with onsite dry cleaning operations (Farallon, 2014a). Their second subsurface investigation consisted of advancing four additional borings; three inside the dry cleaner’s unit and one inside the nail salon just east of the dry cleaning machine. PCE was detected in all three groundwater samples at

concentrations ranging from 0.3 to 1.6 µg/L – all less than the MTCA Method A cleanup level of 5 µg/L. PCE was detected in soil samples at concentrations ranging between 0.011 to 0.051 mg/kg. One soil sample exceeded its Method A cleanup level of 0.05 mg/kg by 0.001 mg/kg (approximately 1 part per billion). This sample was collected within about a foot of the dry cleaning machine at a depth of 2.5 feet bgs. PCE concentrations in the three samples collected below this declined with depth. In one other sample, collected from a boring (B-13) outside the building in the parking lot a soil sample collected at a depth of 0.5-foot bgs was reported to contain TPH-O at a concentration of 5,600 mg/kg, which exceeds the Method A cleanup level of 2,000 mg/kg. The TPH-O concentration at 4 feet bgs in this boring was only 81 mg/kg.

1.5.4 Farallon, 2014

Farallon conducted an additional subsurface investigation in September and October 2014 (Farallon, 2014b). This investigation included advancing 10 additional borings to further refine the nature and extent of PCE in soil and groundwater and TPH-O in soil in a localized area on the southern portion of the property. One of the borings was advanced in the parking lot south of the former dry cleaner and extended at a 60 degree angle to facilitate deeper soil sampling beneath the dry cleaning equipment area. This boring was also converted to an angled monitoring well (MW5). Groundwater samples were collected as grab samples from the other borings.

Of the soil samples analyzed for cVOCs, PCE was detected in only one sample, collected at a depth of 1 foot bgs from a boring advanced in the unit to the east of the dry cleaner. The PCE concentration, at 0.0056 mg/kg, was an order of magnitude less than the Method A cleanup level. PCE was detected at a concentration of 0.37 µg/L in a groundwater sample collected from one of the borings. PCE was not detected in MW5.

TPH-O was detected at concentrations of 1,200 mg/kg, 100 mg/kg, and 94 mg/kg in soil samples collected at depths of 0.5, 3, and 5 feet bgs, respectively, in one boring advanced to the west the earlier boring B-13. TPH-O was detected at a concentration of 190 mg/kg in a soil sample collected at a depth of 0.5 feet bgs from a boring advanced to the east of B-13. TPH-O was not detected in deeper samples, or in the boring to the south of B-13.

1.5.5 Farallon, 2018

In May 2018 Farallon conducted another Phase 1 ESA for the property (Farallon, 2018). This report also included the results of groundwater monitoring events conducted in 2017 and 2018 whereby two of the existing monitoring wells onsite, MW3 and MW5, were purged and sampled. MW3 is downgradient of the former dry cleaning facility. MW5 was installed in an angle boring that extends underneath the former dry cleaning machine. Concentrations of PCE and its degradation products were all less their method reporting limits in both samples during both sampling events, which was consistent with historical data.

1.5.6 CDM Smith, 2021

In June of 2021, CDM Smith prepared a final compliance monitoring plan and environmental media management plan (CMP/EMMP) for the property to describe the monitoring that will be used during construction and remedial excavation activities to address contaminated soil and groundwater

associated with historical activities at the Mercer Island property. The CMP/EMMP is included as **Appendix A**. This report addressed the field investigation plan, well decommissioning, compliance monitoring for human health and the environment, performance monitoring during excavation, a sampling and analysis plan, equipment decontamination and waste control. The CMP/EMMP additionally detailed the handling of PCE contaminated soils under a Contained-In Determination (CID). All soils determined to contain cVOCs at concentrations exceeding the laboratory PQLs will be directly loaded and transported to a Subtitle D landfill and disposed of under the requirements set forth in the CID issued by Ecology. Soil containing concentrations of TPH-O greater than the MTCA Method A cleanup level of 2,000 mg/kg identified on the south portion of the property during earlier investigations, was planned for disposed as a problem waste. Other soils containing detectable concentrations of petroleum hydrocarbons would be handled in accordance with per Ecology's *Guidance for Remediation of Petroleum Contaminated Sites, Table 12.1, Guidelines for Reuse of Petroleum-Contaminated Soil*, and based on the contractor's discretion and acceptance facility requirements. All other soils will be handled as clean soil and may be used at the contractor's discretion.

1.6 CDM Smith 2024 Pre-Construction Environmental Investigation

1.6.1 CDM Smith 2024 Pre-Demolition Test Pit Sampling

To pre-characterize soil prior to beginning excavation associated with site redevelopment activities, several test pit investigations were performed to collect soil samples for laboratory analysis to determine areas of the site where special soil handling procedures would be required. A total of 10 test pit locations were sampled between March and May 2024 (**Figure 2**)

An initial test pit investigation was conducted in March 2024, with two test pits (TP-1 and TP-2) along the building's southern side. All samples were non-detect for cVOCs and TPH.

A second test pit investigation was conducted in May 2024, with eight test pits (TP-3 through TP-10) advanced along the southern, western and northern sides of the building for TPH. The test pit (TP-9) advanced along the halfway point of the western side of the building was also analyzed for BTEX and cVOCs. Lube oil was detected below the MTCA Method A cleanup level in a sample from the test pit excavated along the northern side of the building (TP-10); TPH, BTEX and cVOCs were non-detect in the remainder of the samples. The results from this test pit sampling are summarized in a technical memorandum (**Appendix B**).

1.6.2 CDM Smith 2024 Post-Demolition Test Pit Sampling

A third test pit investigation (TP-11 through TP-27) was conducted in July 2024 within the footprint of the now-demolished building to define the lateral extent of detectable concentrations of cVOCs in the vicinity of the former dry cleaning machine where historical sampling indicated trace concentrations of PCE were present (**Figure 2**). Chlorinated VOCs were not detected in any samples, except for in one sample taken at 3 feet bgs from TP-23, located approximately 5 feet north of the former dry-cleaning machine, with a detection of PCE at 0.0013 mg/kg. Selected samples were analyzed for diesel- and oil-range TPH by Northwest Method NWTPH-Dx. Only one sample (TP-10-S-0.5) contained TPH-O at a concentration of 140 mg/kg, which is less than the MTCA Method A cleanup level. None of the other

samples analyzed contained detectable concentrations of TPH-D or TPH-O. To assist in disposal characterization of soils within the planned excavation area, selected samples from TP-13 were also analyzed for RCRA 8 metals plus copper nickel and zinc. All detected concentrations were within acceptable background ranges except one sample. The sample TP-13-1 collected from surface soils contained mercury at a concentration of 12 mg/kg, which exceeds the cleanup level.

On September 9, 2024, CDM Smith collected five near surface soil samples (0-1 feet bgs) from a 10-foot by 10-foot area in the immediate vicinity of TP-13, where mercury was previously detected in the sample TP-13-1. The sampling was performed to confirm or deny the previously reported mercury result for the surface soil sample at TP-13. The samples were analyzed for mercury by EPA Method 7471B on a one-day turn-around time. None of the samples contained mercury at a concentration greater than the laboratory reporting limit.

Based on all of the data collected during the various environmental investigations completed at this site:

The single PCE cleanup level exceedance in soil (by 0.001 mg/kg) in one historical soil sample collected during previous environmental investigations is not significant. The multitude of soil data available for the site passes the Department of Ecology's (Ecology) own Statistical Guidance for Ecology Site Managers (Publication 92-54). These criteria are: 1) no sample is greater than 2 times the cleanup level; 2) less than 10 percent of the samples exceed the cleanup level; and 3) statistically, the concentrations are less than the MTCA cleanup level.

The result for mercury in the soil sample collected from 0 to 1 foot bgs from TP-13 (TP-13-1) was 12 mg/kg. Given that there are no known sources of potential mercury contamination at the site, a laboratory error was suspected. The sample was later re-analyzed outside of hold time and mercury was not detected at a concentration greater than the reporting limit. Furthermore; the area of TP-13 had not been disturbed since the July 2024 test pit investigation and CDM Smith attempted to resample the 0 to 1 foot interval at TP-13 to confirm or deny the original mercury result. Mercury was not detected above the reporting limit in any of the five soil samples collected on September 9, 2024 from the immediate area of TP-13. Multiple Phase 1 Environmental Site Assessments have been performed on this property and a source of mercury contamination has never been identified as a REC. CDM Smith has also reviewed the limited amount of available data from historical reports and mercury had never previously been detected at the site. Based on an evaluation for all of the available data and re-sampling could not duplicate the result, the mercury result for TP-13-1 is not statistically significant in the data set and is likely to be attributed to a laboratory error, or an anomalous result that represents a localized, isolated extent and insignificant volume of soil.



2.0 Site Construction Activities

The site was excavated to design depth measurements, approximately 6 to 15 ft below grade, using a combination of excavators working in lifts. CDM Smith personnel were present at the site and worked with R Miller to coordinate sampling as the lifts progressed to design depth.

2.1 Excavation Methods

Before sitewide soil removal activities, CDM Smith field staff delineated the CID soil removal area with pink flags based on test pit and historical sampling data (**Figure 3**). R. Miller did not disturb soil within the CID excavation area until an approved CID decision letter was issued from Ecology (**Appendix C**). CDM Smith oversaw removal of CID soils using an excavator from September 27 through October 5, 2024. CID soils were directly loaded into dump trucks for transport to the approved disposal facility for tipping.

During non-CID construction excavation activities at the site, equipment operators encountered soils with a hydrocarbon-like odor in the southwestern portion of the excavation area. Soil samples were collected by CDM Smith field staff (Section 2.3.1) and were found to contain diesel-range hydrocarbons at concentrations below MTCA Method A cleanup levels (Section 2.3.2). Soils in areas with suspected diesel-impacts were removed using an excavator at the direction of a CDM Smith field staff member. During the excavation process, soils were screened for VOCs using a handheld photoionization detector (PID) as well as visually inspected for any visible sheens, staining, or odors. Impacted soils, as determined by the CDM Smith field staff and verified by analytical samples, were segregated into temporarily stockpiles onsite. Soil was excavated and screened in approximate 2-foot lifts down to the design depths or until clean margins were achieved. Soils which were segregated as petroleum impacted soil during excavation were loaded into dump trucks for transport to the disposal facility for tipping.

2.2 Soils Removed

Soils that were near the prior dry cleaning operations and soil that previous site investigations containing trace amounts of PCE were removed from the site with an excavator. Soils were directly loaded into lined and tarped dump trucks and taken to the Republic Services Transfer Station in Seattle, Washington. The soils were then transported by Republic Services to the Roosevelt Regional Landfill for final disposition. A total of 447.46 tons of soils designated under the CID were removed from the site during the project. Signed and certified weight tickets and a tabulated summary for disposal of soil designated under the CID are included in **Appendix D**.

Petroleum-impacted soil was segregated using field screening methods during excavation and temporarily stockpiled pending disposal. The impacted soil was loaded from the temporary stockpiles into dump trucks and taken to the Republic Services Transfer Station in Seattle, Washington. A total of 1363.68 tons of petroleum impacted soils were removed from the site for final disposal at the Roosevelt Regional Subtitle D Landfill. A tabulated summary for disposal of petroleum impacted soil removed from the project site is included in **Appendix D**.

2.3 Soil Sampling

2.3.1 CID Soil Confirmation Samples

As part of the CID soil removal process, confirmation soil samples were collected from the completed limits of the CID excavation to document the conditions of the soil that would remain in-place at the completed limits of the design excavation and verify that soil containing trace concentrations of dry cleaning solvents had been removed. Sample spacing mirrored that of the petroleum soils excavation: one representative excavation bottom sample approximately 20 ft apart, and every 25 ft of linear perimeter. Confirmation soil sample locations collected from the limits of the CID excavation are shown on **Figure 3**.

Samples were collected by hand using a fresh pair of nitrile gloves directly from the excavator bucket. Samples were submitted to Onsite Environmental on a 24- to 48-hour turnaround for cVOCs by EPA Method 8260D.

2.3.2 Petroleum Characterization Sampling

Soil in areas where equipment operators initially identified a petroleum hydrocarbon-like odor in soils, was field screened for evidence of volatile organic compounds (VOCs) using a photoionization detector (PID). Soil samples were collected from strategic locations to characterize impacted soil in the planned area of excavation and determine any special handling and disposal criteria. Discrete soil samples were collected from three locations with the highest PID measurements for characterization purposes. Soil samples were collected directly from the excavator bucket or from clean excavation surfaces and were submitted to the analytical laboratory with a 24 to 48-hour turn-around time.

Characterization samples were submitted to OnSite Environmental Laboratory, located in Redmond, WA for analysis of Gx/BTEX by EPA Method 8021, TPH-O/TPH-D by NWTPH-Dx, and MTCA 5 Metals with Copper, Nickel, and Zinc by EPA Method 6010D/7471B.

2.3.3 Petroleum Soil Confirmation Samples

As a part of the excavation and soil screening process, confirmation samples were collected from the base and sidewalls of the excavated areas (**Figure 4**). Once petroleum impacts were delineated based on PID screening and visual/olfactory observations, discrete soil samples were collected from the exposed excavation surface to confirm that unimpacted boundaries were achieved, or to document the soil conditions for soil that would remain in-place at the completed design limits of the excavation. One base sample was collected for approximately every 400 square feet (20 feet apart) of excavation area. One sidewall sample was collected for approximately every 25 lineal feet along the excavation perimeter. Where installed shoring prevented the collection of sidewall samples at the contaminated interval, samples were collected from the closest accessible sidewall depth with exposed native material.

Samples were collected by hand using a fresh pair of nitrile gloves either directly from the middle of the excavator bucket, or from clean excavation surfaces where it was safe for personnel to enter the excavation. Confirmation samples were submitted to Onsite Environmental on a 24 to 48 hour turnaround for TPH analysis by Northwest Method NWTPH-Dx.

If the results of analysis of the base or internally facing sidewall samples indicated that impacted soils remained that were still within the design limits of the excavation, those areas were over-excavated and additional confirmation samples were collected when field screening indicated “clean” soils had been reached or the design limits of the excavation were reached.



3.0 Analytical Results

For comparison purposes of environmental sampling activities conducted during construction, the reported laboratory results are compared to the MTCA Method A Cleanup Levels for Soil for Unrestricted Land Use.

3.1 CID Soils

A site plan showing the area of soil impacted by trace concentrations of cVOCs, based on historical and current sampling data, removed under the CID is shown on the attached **Figure 3**. The excavation area of soils excavated under the CID encompasses the area of the former dry cleaner machine, the borings B-10 through B-12, and extending north to the boring B-9 and test pit TP-23. The soil excavation depth in this area is approximately 10 feet bgs. A small area in the vicinity of boring B-21 was also excavated to approximately 3 feet bgs and combined with soils removed from the main excavation for disposal under the CID. The acreage of the excavation is approximately 0.015 acres.

The excavation was performed by R. Miller Inc. on behalf of the Xinghua Group. CDM Smith provided environmental oversight during excavation of soils in the area of impacted soil addressed in this CID.

The excavation and environmental oversight involved:

- Excavation of soils containing trace concentrations of cVOCs;
- direct-loading of excavated chlorinated VOC-contaminated soils for offsite disposal at an approved facility, and
- collecting characterization soil samples from the completed limits of excavation after removal of the CID soils.

Impacted soil from the excavation in the area of the former dry cleaner was excavated and direct loaded into trucks for transport to the disposal facility. As necessary while waiting for trucks to load and transport soil, soil from the CID excavation was temporarily stockpiled on a plastic liner and covered pending transport and disposal.

On September 26, 2024, six confirmation samples were submitted to the laboratory for cVOCs. No cVOCs were detected in any of the six samples, with the exception of one sidewall sample (CID-5-SW-5) which contained PCE at a concentration of 0.0014 mg/kg. On September 26, 2024, the area of sample CID-5-SW-5 was over-excavated and CID-7-SW-S was collected from the sidewall of the excavation. CID-7-SW-S did not contain detectable concentrations of cVOCs and removal of soil containing cVOCs was considered complete.

3.2 Petroleum Soils

Characterization samples collected during the initial discovery of petroleum impacted soils in the southeast portion of the site were non-detect for gasoline, BTEX, and lube oil (Table 3). Diesel-range organics were detected in two of the three characterization samples, at concentrations of 150 and 520 mg/kg, which is less than the MTCA Method A soil cleanup level of 2000 mg/kg. Based on the results of

characterization sampling, TPH-G and BTEX were eliminated as contaminants of concern and subsequent confirmation samples collected from the excavation were analyzed for TPH-D and TPH-O by Northwest Method NWTPH-Dx.

All of the confirmation samples collected from the base of final excavation surface were non-detect for TPH-D and TPH-O (**Table 4**). Additionally, sidewall samples were non-detect except for TPH-O in the samples E1-15SWE-5.5 (66 mg/kg) and E1-16SWE-5 (62 mg/kg), located along the eastern excavation boundary. The eastern sidewall is bound by the public right-of-way and additional soil removal was not feasible or warranted. Both TPH-O concentrations in these two samples are two orders of magnitude less than the MTCA Method A Cleanup Level for Soil for Unrestricted Land Use.



4.0 Conclusions

4.1 Conclusions

Confirmation soil samples collected from the design limits of the excavation did not contain cVOCs, TPH-D or TPH-O at concentrations exceeding the laboratory reporting limits, with the exception of a small area along the eastern excavation boundary bound by the public right-of-way. Soil remaining in-place beneath the public right-of-way in the area of samples E1-15SWE-5.5 (66 mg/kg) and E1-16SWE-5 (62 mg/kg), along the eastern property boundary, contains TPH-O at two orders of magnitude less than the MTCA Method A Cleanup Level for Soil for Unrestricted Land Use.

Based on CDM Smith's review of the data collected during historical investigations, pre-construction investigations and during construction, the site does not qualify as a MTCA site. Soil containing trace concentrations cVOCs and diesel and oil-range TPH has been removed from within the property boundaries and soil remaining in-place beneath the public right-of-way with detectable concentrations TPH-O does not pose a threat to human health or the environment and no additional environmental investigation for the property is warranted.



5.0 References

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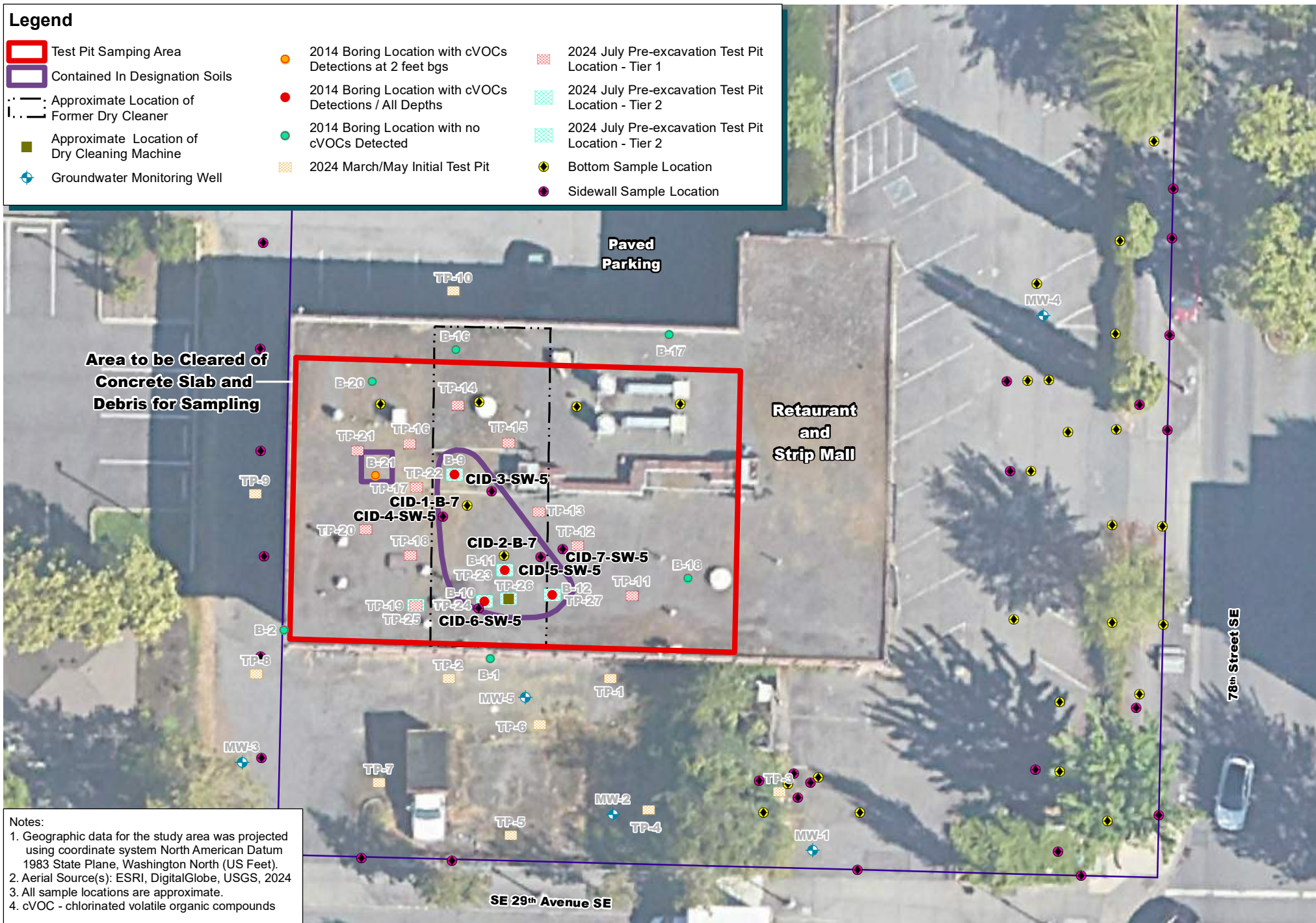
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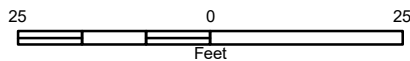
Legend

	Test Pit Sampling Area		2014 Boring Location with cVOCs Detections at 2 feet bgs		2024 July Pre-excavation Test Pit Location - Tier 1
	Contained In Designation Soils		2014 Boring Location with cVOCs Detections / All Depths		2024 July Pre-excavation Test Pit Location - Tier 2
	Approximate Location of Former Dry Cleaner		2014 Boring Location with no cVOCs Detected		2024 July Pre-excavation Test Pit Location - Tier 2
	Approximate Location of Dry Cleaning Machine		2024 March/May Initial Test Pit		Bottom Sample Location
	Groundwater Monitoring Well				Sidewall Sample Location


















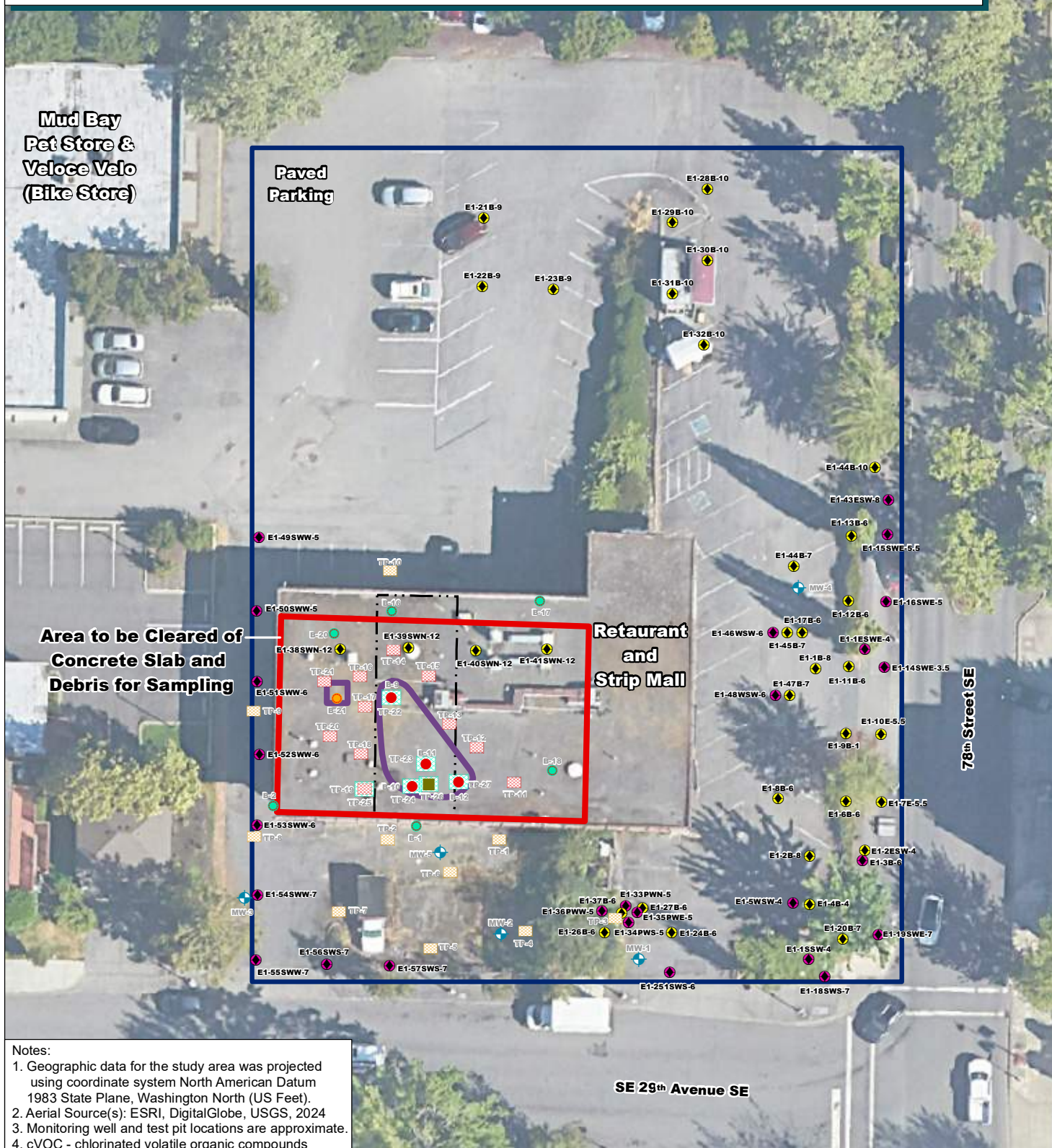
Notes:

1. Geographic data for the study area was projected using coordinate system North American Datum 1983 State Plane, Washington North (US Feet).
2. Aerial Source(s): ESRI, DigitalGlobe, USGS, 2024
3. All sample locations are approximate.
4. cVOC - chlorinated volatile organic compounds



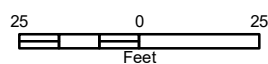
Legend

	Test Pit Sampling		Bottom Sample Location		2024 March/May Initial Test Pit
	Contained In Designation Soils		Sidewall Sample Location		2024 July Pre-excavation Test Pit Location - Tier 1
	Area Excavated August		2014 Boring Location with cVOCs Detections at 2 feet bgs		2024 July Pre-excavation Test Pit Location - Tier 2
	Approximate Location of Former Dry Cleaner		2014 Boring Location with cVOCs Detections / All Depths		2024 July Pre-excavation Test Pit Location - Tier 2
	Approximate Location of Dry Cleaning Machine		2014 Boring Location with no cVOCs Detected		
	Groundwater Monitoring Well				



Notes:

1. Geographic data for the study area was projected using coordinate system North American Datum 1983 State Plane, Washington North (US Feet).
2. Aerial Source(s): ESRI, DigitalGlobe, USGS, 2024
3. Monitoring well and test pit locations are approximate.
4. cVOC - chlorinated volatile organic compounds





Tables

Table 1
CID Soil Analytical Summary cVOCs
 2885 78th Ave SE
 Mercer Island, WA

Analytical Method and Analyte	MTCA Method A Soil Cleanup Level ^a (mg/kg)	Sample ID (Boring ID and Depth in feet bgs) and Date Sampled						
		CID-1-B-7	CID-2-B-7	CID-3-SW-5	CID-4-SW-5	CID-5-SW-5 ^c	CID-6-SW-5	CID-7-SW-5
		9/25/2024	9/25/2024	9/25/2024	9/25/2024	9/25/2024	9/25/2024	9/26/2024
Chlorinated VOCs (mg/kg)								
EPA 8260D								
1,1,1,2-Tetrachloroethane	2	0.0015 U	0.00093 U	0.0009 U	0.00093 U	0.0011 U	0.0014 U	0.0012 U
1,1,1-Trichloroethane		0.0015 U	0.00093 U	0.0009 U	0.00093 U	0.0011 U	0.0014 U	0.0012 U
1,1,2,2-Tetrachloroethane		0.0015 U	0.00093 U	0.0009 U	0.00093 U	0.0011 U	0.0014 U	0.0012 U
1,1,2-Trichloroethane		0.0015 U	0.00093 U	0.0009 U	0.00093 U	0.0011 U	0.0014 U	0.0012 U
1,1-Dichloroethane		0.0015 U	0.00093 U	0.0009 U	0.00093 U	0.0011 U	0.0014 U	0.0012 U
1,1-Dichloroethene		0.0015 U	0.00093 U	0.0009 U	0.00093 U	0.0011 U	0.0014 U	0.0012 U
1,1-Dichloropropene		0.0015 U	0.00093 U	0.0009 U	0.00093 U	0.0011 U	0.0014 U	0.0012 U
1,2,3-Trichlorobenzene		0.0015 U	0.00093 U	0.0009 U	0.00093 U	0.0011 U	0.0014 U	0.0012 U
1,2,3-Trichloropropane		0.0015 U	0.00093 U	0.0009 U	0.00093 U	0.0011 U	0.0014 U	0.0012 U
1,2,4-Trichlorobenzene		0.0015 U	0.00093 U	0.0009 U	0.00093 U	0.0011 U	0.0014 U	0.0012 U
1,2,4-Trimethylbenzene		0.0015 U	0.00093 U	0.0009 U	0.00093 U	0.0011 U	0.0014 U	0.0012 U
1,2-Dibromo-3-chloropropane		0.0074 U	0.0047 U	0.0045 U	0.0047 U	0.0054 U	0.0071 U	0.0059 U
1,2-Dichlorobenzene		0.0015 U	0.00093 U	0.0009 U	0.00093 U	0.0011 U	0.0014 U	0.0012 U
1,2-Dichloroethane		0.0015 U	0.00093 U	0.0009 U	0.00093 U	0.0011 U	0.0014 U	0.0012 U
1,2-Dichloropropane		0.0015 U	0.00093 U	0.0009 U	0.00093 U	0.0011 U	0.0014 U	0.0012 U
1,3,5-Trimethylbenzene		0.0015 U	0.00093 U	0.0009 U	0.00093 U	0.0011 U	0.0014 U	0.0012 U
1,3-Dichlorobenzene		0.0015 U	0.00093 U	0.0009 U	0.00093 U	0.0011 U	0.0014 U	0.0012 U
1,3-Dichloropropane		0.0015 U	0.00093 U	0.0009 U	0.00093 U	0.0011 U	0.0014 U	0.0012 U
1,4-Dichlorobenzene		0.0015 U	0.00093 U	0.0009 U	0.00093 U	0.0011 U	0.0014 U	0.0012 U
2,2-Dichloropropane		0.0015 U	0.00093 U	0.0009 U	0.00093 U	0.0011 U	0.0014 U	0.0012 U
2-Butanone		0.0074 U	0.0047 U	0.0045 U	0.0047 U	0.0054 U	0.0071 U	0.0059 U
2-Chloroethylvinylether		0.0074 U	0.0047 U	0.0045 U	0.0047 U	0.0054 U	0.0071 U	0.012 U
2-Chlorotoluene		0.0015 U	0.00093 U	0.0009 U	0.00093 U	0.0011 U	0.0014 U	0.0012 U
2-Hexanone		0.0074 U	0.0047 U	0.0045 U	0.0047 U	0.0054 U	0.0071 U	0.0059 U
4-Chlorotoluene		0.0015 U	0.00093 U	0.0009 U	0.00093 U	0.0011 U	0.0014 U	0.0012 U
Acetone		0.015 U	0.0093 U	0.009 U	0.017	0.011 U	0.014 U	0.012 U
Benzene		0.0015 U	0.00093 U	0.0009 U	0.00093 U	0.0011 U	0.0014 U	0.0012 U
Bromobenzene		0.0015 U	0.00093 U	0.0009 U	0.00093 U	0.0011 U	0.0014 U	0.0012 U
Bromochloromethane		0.0015 U	0.00093 U	0.0009 U	0.00093 U	0.0011 U	0.0014 U	0.0012 U
Bromoform		0.0074 U	0.0047 U	0.0045 U	0.0047 U	0.0054 U	0.0071 U	0.0059 U
Bromomethane		0.0074 U	0.0047 U	0.0045 U	0.0047 U	0.0054 U	0.0071 U	0.0059 U
Carbon Disulfide		0.0021 U	0.0013 U	0.0013 U	0.0013 U	0.0015 U	0.002 U	0.0016 U
Carbon Tetrachloride		0.0015 U	0.00093 U	0.0009 U	0.00093 U	0.0011 U	0.0014 U	0.0012 U
CFC-11		0.0015 U	0.00093 U	0.0009 U	0.00093 U	0.0011 U	0.0014 U	0.0012 U
CFC-12		0.0019 U	0.0012 U	0.0012 U	0.0012 U	0.0014 U	0.0018 U	0.008 U
Chlorobenzene		0.0015 U	0.00093 U	0.0009 U	0.00093 U	0.0011 U	0.0014 U	0.0012 U
Chloroethane		0.0074 U	0.0047 U	0.0045 U	0.0047 U	0.0054 U	0.0071 U	0.0059 U
Chloroform		0.0015 U	0.00093 U	0.0009 U	0.00093 U	0.0011 U	0.0014 U	0.0012 U
Chloromethane		0.0074 U	0.0047 U	0.0045 U	0.0047 U	0.0054 U	0.0071 U	0.0059 U
Cis-1,2-Dichloroethene		0.0015 U	0.00093 U	0.0009 U	0.00093 U	0.0011 U	0.0014 U	0.0012 U
Cis-1,3-Dichloropropene		0.0015 U	0.00093 U	0.0009 U	0.00093 U	0.0011 U	0.0014 U	0.0012 U
Dibromochloromethane		0.0015 U	0.00093 U	0.0009 U	0.00093 U	0.0011 U	0.0014 U	0.0012 U
Dibromomethane		0.0015 U	0.00093 U	0.0009 U	0.00093 U	0.0011 U	0.0014 U	0.0012 U
Dichlorobromomethane		0.0015 U	0.00093 U	0.0009 U	0.00093 U	0.0011 U	0.0014 U	0.0012 U
Ethylbenzene		0.0015 U	0.00093 U	0.0009 U	0.00093 U	0.0011 U	0.0014 U	0.0012 U
Ethylene dibromide		0.0015 U	0.00093 U	0.0009 U	0.00093 U	0.0011 U	0.0014 U	0.0012 U
Hexachlorobutadiene		0.0074 U	0.0047 U	0.0045 U	0.0047 U	0.0054 U	0.0071 U	0.0059 U
Isopropylbenzene		0.0015 U	0.00093 U	0.0009 U	0.00093 U	0.0011 U	0.0014 U	0.0012 U
m, p-Xylene		0.003 U	0.0019 U	0.0018 U	0.0019 U	0.0022 U	0.0028 U	0.0023 U
Methyl Iodide		0.015 U	0.0093 U	0.009 U	0.0093 U	0.011 U	0.014 U	0.015 U
Methyl Isobutyl Ketone		0.0074 U	0.0047 U	0.0045 U	0.0047 U	0.0054 U	0.0071 U	0.0059 U
Methyl t-Butyl Ether		0.0015 U	0.00093 U	0.0009 U	0.00093 U	0.0011 U	0.0014 U	0.0012 U
Methylene Chloride	0.02	0.0074 U	0.0047 U	0.0045 U	0.0047 U	0.0054 U	0.0071 U	0.0059 U
Naphthalene		0.0074 U	0.0047 U	0.0045 U	0.0047 U	0.0054 U	0.0071 U	0.0059 U
n-Butylbenzene		0.0015 U	0.00093 U	0.0009 U	0.00093 U	0.0011 U	0.0014 U	0.0012 U
n-Propylbenzene		0.0015 U	0.00093 U	0.0009 U	0.00093 U	0.0011 U	0.0014 U	0.0012 U
o-Xylene		0.0015 U	0.00093 U	0.0009 U	0.00093 U	0.0011 U	0.0014 U	0.0012 U
p-Isopropyltoluene		0.0015 U	0.00093 U	0.0009 U	0.00093 U	0.0011 U	0.0014 U	0.0012 U
sec-Butylbenzene		0.0015 U	0.00093 U	0.0009 U	0.00093 U	0.0011 U	0.0014 U	0.0012 U
Styrene		0.0015 U	0.00093 U	0.0009 U	0.00093 U	0.0011 U	0.0014 U	0.0012 U
tert-Butylbenzene		0.0015 U	0.00093 U	0.0009 U	0.00093 U	0.0011 U	0.0014 U	0.0012 U
Tetrachloroethene	0.05	0.0015 U	0.00093 U	0.0009 U	0.00093 U	0.0014	0.0014 U	0.0012 U
Toluene		0.0074 U	0.0047 U	0.0045 U	0.0047 U	0.0054 U	0.0071 U	0.0059 U
Trans-1,2-Dichloroethene		0.0015 U	0.00093 U	0.0009 U	0.00093 U	0.0011 U	0.0014 U	0.0012 U
Trans-1,3-Dichloropropene		0.0015 U	0.00093 U	0.0009 U	0.00093 U	0.0011 U	0.0014 U	0.0012 U
Trichloroethene	0.03	0.0015 U	0.00093 U	0.0009 U	0.00093 U	0.0011 U	0.0014 U	0.0012 U
Vinyl Acetate		0.0074 U	0.0047 U	0.0045 U	0.0047 U	0.0054 U	0.0071 U	0.0059 U
Vinyl Chloride		0.0015 U	0.00093 U	0.0009 U	0.00093 U	0.0011 U	0.0014 U	0.0059 U

Notes:

^a - Washington State Department of Ecology
 Model Toxics Control Act (MTCA) Method
 A soil cleanup level for unrestricted land use,
 Chapter 173-340 WAC, Revised 2013.

^b - Method A cleanup level for Chromium III.

^c - This sample was over excavated. CID-7-SW-5 was collected below CID-5-SW-5 at the base of the over-excavation.

There are no known sources of Chromium VI
 at the project site.

U - The analyte was analyzed for, but was not
 detected above the reported sample
 quantitation limit.

bgs - Below ground surface

mg/kg - milligrams per kilogram

Bold indicates a detected analyte.

Table 2**CID Soil Analytical Summary Metals**2885 78th Ave SE

Mercer Island, WA

Analytical Method and Analyte	MTCA Method A Soil Cleanup Level ^a (mg/kg)	Sample ID (Boring ID and Depth in feet bgs) and Date Sampled				
		CID-1-090924	CID-2-090924	CID-3-090924	CID-4-090924	CID-5-090924
		9/9/2024	9/9/2024	9/9/2024	9/9/2024	9/9/2024
Total Metals (mg/kg)						
EPA 6010D/7471B						
Arsenic	20	--	--	--	--	--
Barium		--	--	--	--	--
Cadmium	2	--	--	--	--	--
Chromium	2,000 ^b	--	--	--	--	--
Copper		--	--	--	--	--
Lead	250	--	--	--	--	--
Mercury	2	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
Nickel		--	--	--	--	--
Selenium		--	--	--	--	--
Silver		--	--	--	--	--
Zinc		--	--	--	--	--

Notes:

^a - Washington State Department of Ecology Model Toxics Control Act (MTCA) Method A soil cleanup level for unrestricted land use, Chapter 173-340 WAC, Revised 2013.

^b - Method A cleanup level for Chromium III. There are no known sources of Chromium VI at the project site.

-- Not analyzed

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

bgs - Below ground surface

mg/kg - milligrams per kilogram

Bold indicates a detected analyte.

Boxed value indicates the reported concentration exceeds the cleanup level

Table 3
Characterization Soil Analytical Results

Xinghua Group - Mercer Island 78th Ave
Mercer Island, Washington

Analytical Method and Analyte	MTCA Method A Soil Cleanup Level ^a (mg/kg)	Sample ID (Boring ID and Depth in feet bgs) and Date Sampled		
		Screen3-s-080124	Screen4-s-080124	Screen9-s-080124
		8/1/2024	8/1/2024	8/1/2024
<u>NWTPH-Dx (mg/kg)</u>				
Diesel Range Organics	2,000	520	150	<32
Lube Oil	2,000	<59	<65	<63
<u>NWTPH-Gx (mg/kg)</u>				
Gasoline Range Organics		<22 U1	<59 U1	<6.6
<u>Selected Volatile Organic Compounds (mg/kg)</u>				
<u>EPA 8260D</u>				
Benzene	0.03	<0.020	<0.020	<0.020
Toluene	7	<0.057	<0.074	<0.066
Ethylbenzene	6	<0.057	<0.074	<0.066
m, p-Xylene	NE	<0.057	<0.074	<0.066
o-Xylene	NE	<0.057	<0.074	<0.066
Total Xylenes ^b	g ^b			

Notes:

Bolded values are detected analytes at the listed concentration.

Underlined values exceed the MTCA cleanup Level.

a) Washington State Department of Ecology Model Toxics Control Act (MTCA)

Method A soil cleanup level for unrestricted land use, Chapter 173-340 WAC, Revised 2013.

b) Total value and cleanup level for total xylenes is based on the sum of m, p-xylene and o-xylene.

< - analyte not detected at or greater than the listed concentration.

mg/kg - milligrams per kilogram

Table 4

Petroleum Soil Analytical Results

Xinghua Group - Mercer Island 78th Ave
Island, Washington

Mercer

		Analytical Method and Analyte	
		NWTPH-Dx (mg/kg)	
		Diesel Range Organics	Lube Oil
		2,000	2,000
Sample ID (Boring ID and Depth in feet bgs)	MTCA Method A Soil Cleanup Level ^a (mg/kg)		
	Date Sampled		
E1-1B-8	8/8/2024	<29	<58
E1-1ESW-4	8/8/2024	<29	<57
E1-2B-8	8/8/2024	<29	<59
E1-2ESW-4	8/8/2024	<29	<58
E1-1SSW-4	8/8/2024	<29	<58
E1-3B-6	8/12/2024	<30	<60
E1-4B-4	8/12/2024	<29	<57
E1-5WSW-4	8/12/2024	<30	<60
E1-6B-6	8/14/2024	<29	<46
E1-7SWE-5.5	8/14/2024	<29	<46
E1-8B-6	8/14/2024	<29	<46
E1-9B-6	8/14/2024	<29	<46
E1-10SWE-5.5	8/14/2024	<29	<46
E1-11B-6	8/14/2024	<28	<45
E1-12B-6	8/14/2024	<30	<47
E1-13B-6	8/14/2024	<31	<49
E1-14SWE-3.5	8/14/2024	<28	<45
E1-15SWE-5.5	8/14/2024	<29	66
E1-16SWE-5	8/14/2024	<29	62
E1-17B-6	8/14/2024	<28	71
E1-18SWS-7	8/15/2024	<29	<58
E1-19SWE-7	8/15/2024	<29	<57
E1-20B-7	8/15/2024	<28	<57
E1-21B-9	8/15/2024	<34	<69
E1-22B-9	8/15/2024	<35	<69
E1-23B-9	8/15/2024	<34	<67
E1-24B-6	8/16/2024	<30	100
E1-25SWS-6	8/16/2024	<32	<64
E1-26B-6	8/16/2024	<28	<57
E1-27B-6	8/16/2024	<30	<59
E1-28B-10	8/19/2024	<30	<60
E1-29B-10	8/19/2024	<30	<59
E1-30B-10	8/19/2024	<28	<57
E1-31B-10	8/19/2024	<30	<60
E1-32B-10	8/19/2024	<30	<60
E1-33PWN-5	8/19/2024	<32	230
E1-34PWS-5	8/19/2024	<30	<60
E1-35PWE-5	8/19/2024	<29	<58
E1-36PWW-5	8/19/2024	<33	<66
E1-37B-6	8/19/2024	<150	1000
E1-38SWN-12	8/22/2024	<36	<71
E1-39SWN-12	8/22/2024	<35	<70
E1-40SWN-12	8/22/2024	<38	<76
E1-41SWN-12	8/22/2024	<34	<67
E1-42B-10	8/22/2024	<29	<59
E1-44B-7	8/27/2024	<30	<60
E1-45B-7	8/27/2024	<29	<59
E1-46WSW-6	8/27/2024	<30	<60
E1-47B-7	8/27/2024	<29	<59
E1-48WSW-6	8/27/2024	<30	<59
E1-49SWW-5	9/19/2024	<32	<65
E1-50SWW-5	9/19/2024	<33	<65
E1-51SWW-6	9/19/2024	<29	<59
E1-52SWW-6	9/19/2024	<35	<70
E1-53SWW-6	9/19/2024	<35	<69
E1-54SWW-7	9/19/2024	<35	<71
E1-55SWW-7	9/19/2024	<35	<70
E1-56SWS-7	9/19/2024	<35	<69
E1-57SWS-7	9/19/2024	<34	<69
E1-58SWW-3.5	9/19/2024	<43	<86

Notes:

Bolded values are detected analytes at the listed concentration.

Shaded rows represent samples that were over-excavated and are not representative of final conditions.

a) Washington State Department of Ecology Model Toxics Control Act (MTCA) Method A soil cleanup level for unrestricted land use, Chapter 173-340 WAC, Revised 2013.

b) Total value and cleanup level for total xylenes is based on the sum of m, p-xylene and o-xylene.

< - analyte not detected at or greater than the listed concentration.

mg/kg - milligrams per kilogram



Appendix A CMP-EMMP

FINAL

**Revision 2 Compliance Monitoring Plan
/Environmental Media Management Plan**

Mercer Island Property
2885 78th Avenue SE
Mercer Island, Washington

Xinghua Group Ltd.
3199 W 44th Avenue
Vancouver, BC V6N3K5

August 19, 2021



A Report Prepared For:

Xinghua Group Ltd.
3199 W 44th Avenue
Vancouver, BC V6N3K5

**REVISION 2 FINAL COMPLIANCE MONITORING PLAN/
ENVIRONMENTAL MEDIA MANAGEMENT PLAN
MERCER ISLAND PROERTY
2885 78TH AVENUE SE
MERCER ISLAND, WASHINGTON**

August 19, 2021



August Welch, LG, PMP
Project Manager



14432 SE Eastgate Way, Suite 100
Bellevue, Washington 98007
425/519-8300

CDM Smith Project No. 261728

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Section 1

Introduction

This Compliance Monitoring Plan (CMP) and Environmental Media Management Plan (EMMP) has been prepared to describe the monitoring that will be used during construction and remedial excavation activities to address contaminated soil and groundwater associated with historical activities at the Mercer Island Property (formerly known as the King Property) located at 2885 78th Ave SE, Mercer Island, Washington (site or subject property). The Xinghua Group Ltd. (Xinghua) acquired this property in connection for planned redevelopment into a condominium complex.

1.1 Purpose

The CMP was prepared in accordance with the Model Toxics Control Act (MTCA) Washington Administrative Code (WAC) 173-340-410. The plan supports cleanup actions by describing the field methods, analytical methods, data analysis, and protocols that will be used to document three objectives:

- Protection of human health and the environment.
- Achievement of cleanup goals.
- Appropriate disposal of materials impacted by listed dangerous waste (dry cleaner solvents) and petroleum hydrocarbons.

The CMP includes the required elements of a Sampling and Analysis Plan (SAP) in accordance with WAC 173-340-820. The objective of the SAP is to ensure that all field screening, field sampling and laboratory analytical methods and procedures are appropriate, consistent, and reliable to ensure the appropriate evaluation of the cleanup action at the site.

The EMMP aspect of this plan supports the proper management and disposal of wastes generated during construction and remediation activities.

1.2 Responsible Parties

The following lists the key entities and representatives involved with the cleanup.

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1.3 Report Layout

The following outlines the contents of the remaining sections of this document.

Section 2 – Site Setting and Background: This section provides a description of the site, its history and contamination sources, future site use, and the planned remedial action.

Section 3 – Pre-Excavation Contamination Delineation: This section provides a description of the field methods that will be used to conduct a test pit investigation to collect soil samples for laboratory analysis. The purpose of the test pit investigation is to delineate the lateral extent of soil, which contains chlorinated volatile organic compounds (cVOCs). The results of the test pit investigation will be used to define the area of contaminated soil that will be excavated and subject to special handling and disposal conditions as a result of excavation during the site redevelopment.

Section 4 – Compliance Monitoring: This section provides a description and objectives of the various types of environmental compliance monitoring that will be conducted during the construction, cleanup levels, and how the data will be evaluated.

Section 5 – Sampling and Analysis Plan: This section describes the types and methodology of field screening and sample collection during the pre-excavation and excavation phases of construction, including the analytical methods.

Section 6 – Sample Custody Procedures, Handling and Shipping: This section describes the sample handling procedures, including chain-of-custody, shipping, and sample identification.

Section 7 – Equipment Decontamination and Waste Control: This section details the equipment decontamination and waste control measures to be followed.

Section 8 – Excavated Material Handling: This section details the proper handling and disposal requirements for the excavated soil determined contain detectable concentrations of cVOCs and/or petroleum hydrocarbons.

Section 9 – Reporting: This section details the closure report that will be completed to document the soil excavation, dewatering, sampling procedures and analytical results and conclusions.

Section 10 – References: This section lists the references cited in this document.

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Section 2

Site Setting and Background

2.1 Site Location and Description

2.1.1 Location

The site is located at 2885 78th Avenue SE, Mercer Island, King County, Washington (**Figure 1**). The property is bounded by 78th Avenue SE on the east, followed by a grocery store and apartment buildings, Southeast 29th Street on the south, followed by a gas station and Century Link building, and a McDonald's fast food restaurant on the north. A church occupies the southwest corner of the block immediately adjacent to the site and is not a part of the planned redevelopment and is followed by 77th Avenue SE and a grocery store further to the west.

2.1.2 Current Site Description

The site covers approximately 1.0 acre of land and is developed with a two-story retail strip mall building constructed in 1962, which totals 12,100 square feet. The site is listed on the King County Assessor's website as Parcel No. 5315101326. Remaining areas of the site consist of paved parking and landscaped areas.

The redevelopment will include a 0.46 acre parcel located adjacent to the west side of the site. This parcel (King County Assess Parcel No. 53510136 is presently occupied by a 7,036 square-foot retail building that is occupied by pet store and a bike shop. No environmental issues have been previously identified for this parcel; therefore, it is not considered part of the "site" as discussed in this CMP/EMMP.

2.2 Site History

According to a Phase 1 Environmental Site Assessment (ESA) completed by Farallon Consulting L.L.C (Farallon) in May 2018, the property was first developed in 1949 with a residence that used an oil burner as a source of heat (Farallon, 2018). The residence was replaced in 1962 with the present commercial building that was used for retail, offices, and a restaurant. At the time, the building occupants included the Tiger Garden Chinese Restaurant and Lounge, King Insurance, Q Nails, Goesling Gallery. A+ Cleaners, a dry cleaning facility, operated at the site for approximately 12 years and ceased operations in April 2015. No dry cleaning operations have been conducted onsite since 2015 and the building has been occupied by essentially the same tenants since then.

2.3 Prior Environmental Investigations

Various environmental due diligence investigations were conducted at this site between 2012 and 2018 as summarized below.

2.3.1 Pacific Crest Environmental (2012)

In June 2012, Pacific Crest Environmental completed a limited subsurface investigation to evaluate recognized environmental conditions (RECs) identified during a Phase 1 Environmental Site Assessment (ESA) they had completed earlier (Pacific Crest Environmental, 2012). These

RECs included the presence of the onsite dry cleaner and potential onsite contamination from offsite sources, including the Shell-branded gas station across the street to the south, a reported release of petroleum hydrocarbons on the southeast adjoining property, nearby dry cleaners, and the fire station. Two borings were drilled at the northwest corner of the building, a third boring at the south side of the building, and fourth boring at the southeast corner of the property. A soil sample was collected from each boring for laboratory analysis. A groundwater sample was also collected from temporary wells installed in each borehole. None of the contaminants analyzed during this limited subsurface investigation were detected, except for 580 milligrams per kilogram (mg/kg) of oil-range total petroleum hydrocarbons (TPH-O) detected in a soil sample collected at a depth between 4 and 5 feet below ground surface (bgs). This concentration of TPH-O is less than the MTCA Method A cleanup level, which is 2,000 mg/kg. Pacific Crest Environmental concluded that the property had not been impacted by the RECs identified in the Phase 1 ESA.

2.3.2 ABPB Consulting (2012)

In November 2012, ABPB Consulting completed a Phase 1 ESA and limited Phase 2 ESA for the site (ABPB Consulting, 2012). ABPB drilled and installed three monitoring wells on the south edge of the site to further evaluate the potential for petroleum contamination migration onto the subject property from the adjacent gas station to the south, as well as the presence of chlorinated solvents from onsite dry cleaning operations. Soil samples were analyzed for total gasoline-range petroleum hydrocarbons (TPH-G) and benzene, toluene, ethylbenzene, and xylenes (BTEX). These compounds were all non-detect in the samples analyzed. Groundwater samples were analyzed for TPH-G/BTEX and cVOCs and all these compounds were non-detect. ABPB further concluded that the dry cleaning business uses sealed equipment, appropriate handling of cleaning materials, and adequate measures to prevent possible leaks and spreading of any possible leaks that might occur.”

2.3.3 Farallon (2013)

Farallon completed a Phase 1 ESA for the site in October 2013. They identified the same RECs as prior consultants had. In September 2013, Farallon conducted its first subsurface investigation which included: 1) sampling four existing monitoring wells installed by others, 2) advancing eight borings (five onsite, and three on the adjacent parcel to the west) to collect soil and groundwater samples for analysis; and 3) collecting and analyzing a sub-slab soil gas sample adjacent to the dry cleaning machine (Farallon, 2013). Trichloroethene (TCE) and *cis*-1,2-dichloroethene (*cis*-DCE) were detected at concentrations of 0.38 and 0.67 micrograms per liter (µg/L) in a groundwater sample collected from one boring. The concentrations of these compounds are less than their respective MTCA Method A/B groundwater cleanup levels by one to two orders of magnitude. These compounds are degradation products of the dry cleaning solvent tetrachloroethene (PCE). No petroleum hydrocarbon or cVOC compounds were detected in any of the soil samples analyzed.

Groundwater elevation contours for the site were developed using the depth-to-water measurements taken from the site monitoring wells on September 17, 2013. The interpreted groundwater flow direction in the groundwater-bearing zone was east-southeast, with an estimated horizontal hydraulic gradient of approximately 0.0075 foot per foot.

PCE was detected in the soil gas sample at a concentration of 2,000 micrograms per cubic meter ($\mu\text{g}/\text{m}^3$) and TCE was detected at a concentration of $5.2 \mu\text{g}/\text{m}^3$. Farallon reported that the PCE and TCE concentrations in the soil gas sample exceed the MTCA Method B screening levels for soil gas in a residential setting, and that PCE exceeded its screening level in a commercial setting. It should be noted that the Washington State Department of Ecology's (Ecology) current Cleanup Levels and Risk Calculations (CLARC) tables indicate that the Method B sub-slab screening level for TCE ($11 \mu\text{g}/\text{m}^3$) was not exceeded. While the sub-slab Method B screening level for PCE ($320 \mu\text{g}/\text{m}^3$) was exceeded, the Method C sub-slab screening level ($3,200 \mu\text{g}/\text{m}^3$) was not. Furthermore, this is a very preliminary analysis, based on a single sub-slab sample collected next to an operating dry cleaning machine and does not prove the presence of vapor intrusion.

In December 2013, Farallon conducted additional investigation to further evaluate cVOC impacts associated with onsite dry cleaning operations (Farallon, 2014a). Their second subsurface investigation consisted of extending four additional borings; three inside the dry cleaner's unit and one inside the nail salon just east of the dry cleaning machine. PCE was detected in all three groundwater samples at concentrations ranging from 0.3 to $1.6 \mu\text{g}/\text{L}$ – all less than the MTCA Method A cleanup level of $5 \mu\text{g}/\text{L}$. PCE was detected in soil samples at concentrations ranging between 0.011 to 0.051 mg/kg. One soil sample exceeded its Method A cleanup level of 0.05 mg/kg by 0.001 mg/kg (approximately 1 part per billion). This sample was collected within about a foot of the dry cleaning machine at a depth of 2.5 feet bgs. PCE concentrations in the three samples collected below this declined with depth. In one other sample, collected from a boring (B-13) outside the building in the parking lot a soil sample collected at a depth of 0.5-foot bgs was reported to contain TPH-O at a concentration of 5,600 mg/kg, which exceeds the Method A cleanup level of 2,000 mg/kg. The TPH-O concentration at 4 feet bgs in this boring was only 81 mg/kg.

2.3.4 Farallon 2014

Farallon conducted an additional subsurface investigation in September and October 2014 (Farallon, 2014b). This investigation included extending 10 additional borings to further refine the nature and extent of PCE in soil and groundwater and TPH-O in soil in a localized area on the southern portion of the property. One of the borings was advanced in the parking lot south of the former dry cleaner and extended at a 60 degree angle to facilitate deeper soil sampling beneath the dry cleaning equipment area. This boring was also converted to a monitoring well (MW5). Groundwater samples were collected as grab samples from the other borings.

Groundwater elevation contours were developed using depth-to-water measurements obtained from the groundwater monitoring wells. Groundwater contours indicated a groundwater flow direction in the shallow groundwater-bearing zone to the southwest at an estimated horizontal hydraulic gradient of approximately 0.009 foot per foot, consistent with the September 2013 event. Of the soil samples analyzed for cVOCs, PCE was detected in only one sample, collected at a depth of 1 foot bgs from a boring advanced in the unit to the east of the dry cleaner. The PCE concentration, at 0.0056 mg/kg, was an order of magnitude less than the Method A cleanup level. PCE was detected at a concentration of $0.37 \mu\text{g}/\text{L}$ in a groundwater sample collected from one of the borings. PCE was not detected in MW5.

TPH-O was detected at concentrations of 1,200 mg/kg, 100 mg/kg, and 94 mg/kg in soil samples collected at depths of 0.5, 3, and 5 feet bgs, respectively, in one boring advanced to the west the earlier boring B-13. TPH-O was detected at a concentration of 190 mg/kg in a soil sample collected at a depth of 0.5 feet bgs from a boring advanced to the east of B-13. TPH-O was not detected in deeper samples, or in the boring to the south of B-13.

2.3.5 Farallon (2018)

In May 2018 Farallon conducted another Phase 1 ESA for the property (Farallon, 2018). This report also included the results of groundwater monitoring events conducted in 2017 and 2018 whereby two of the existing monitoring wells onsite, MW3 and MW5, were purged and sampled. MW3 is downgradient of the former dry cleaning facility. MW5 was installed in an angle boring that extends underneath the former dry cleaning machine. Concentrations of PCE and its degradation products were all less their method reporting limits in both samples during both sampling events, which was consistent with historical data.

2.3.6 Summary

Based on all of the data collected during the various environmental investigations completed at this site, it is not a MTCA site because:

- There were no exceedances of MTCA cleanup levels in groundwater.
- The single PCE cleanup level exceedance in soil (by 0.001 mg/kg) is not significant. The multitude of soil data available for the site passes the Department of Ecology's (Ecology) own *Statistical Guidance for Ecology Site Managers* (Publication 92-54). These criteria are: 1) no sample is greater than 2 times the cleanup level; 2) less than 10 percent of the samples exceed the cleanup level; and 3) statistically, the concentrations are less than the MTCA cleanup level.
- The data indicate that the TPH-O in soil is nothing more than from surficial staining.
- With regard to the sub slab sample exceeding the Method B vapor screening level for PCE, it was just screening level data. It does not prove that vapor intrusion existed. CDM Smith has seen PCE concentrations higher than this in sub slab samples that do not equate to an exceedance of PCE in indoor air. Furthermore, the groundwater data do not indicate that cVOCs presented a risk of vapor intrusion because neither PCE nor TCE concentrations exceeded their respective vapor intrusion groundwater screening levels of 24 µg/L and 1.4 µg/L. This sample was collected next to an operating dry cleaning machine – a worst case example – and was likely biased high.

Based on this, the driver for remedial action at this site is the planned redevelopment whereby soil impacted by PCE and TPH that is excavated during redevelopment will require special handling during excavation and subsequent disposal in a landfill.

2.4 Future Site Use

The Xinghua Group plans to demolish the existing building on the site, and the adjacent commercial building occupied by the pet and bike stores and redevelop it into a mixed-use

residential apartment building. Underground parking will extend one level below grade. Site work to allow for the redevelopment will include the removal of asphalt paving, removal of concrete foundations and sidewalks, and excavation of soil.

2.5 Planned Remedial Action

An important component of the soil excavation at the site will be the identification and separation of impacted soil from clean soil, which does not contain detectable concentrations of contaminants. PCE and petroleum-impacted soils will be segregated and excavated separately from soils that are otherwise considered clean. The impacted soil will be appropriately tested and disposed of to facilitate the construction of the planned redevelopment. The remediation itself will generally involve:

- decommissioning of existing monitoring wells;
- conducting a pre-excavation investigation to further refine the extent of cVOC-impacted soil;
- obtaining a contained-in determination (CID) from Ecology for disposal of cVOC-impacted soil; a CID is the conclusion of an approval process from Ecology for soil lightly contaminated by cVOCs. This process allows the soil, which would otherwise be considered a dangerous waste to be disposed of in a Resource Conservation and Recovery Act (RCRA) Subtitle D landfill (nonhazardous solid waste), as opposed to a Subtitle C landfill (hazardous solid waste); conducting soil waste profiling and providing the data to the receiving landfill to obtain approval for landfill disposal;
- excavation of TPH and PCE-impacted soils and appropriate offsite disposal;
- collection of soil samples from the excavation limits for laboratory analysis; and
- construction dewatering and sampling.

The construction contractor, R. Miller, Inc., will be responsible for the construction tasks necessary to complete this remediation, including installation of erosion control and site security measures; installation of shoring; excavation of soil; soil stockpile management; transport of excavated contaminated soil; dewatering and disposal of groundwater removed from the excavation; and backfilling the excavation. CDM Smith will observe the work, conduct waste profile and protection and performance monitoring, and advise on compliance.

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Section 3

Pre-Excavation Contamination Delineation

Following demolition of the building and prior to beginning the main excavation for redevelopment construction, a test pit investigation will be conducted to collect soil samples in the area of known soil impacts at the location of the former dry cleaner. The purpose of the test pit investigation is to aid in refining the estimated volume of cVOC-impacted soil to be removed during the source removal excavation by defining the lateral extent of cVOC-impacted soils that will be managed under the CID. The vertical extent of contaminated soil containing PCE at concentrations exceeding the MTCA Method A cleanup level in the immediate vicinity of the former dry cleaning machine has been delineated by data obtained during previous investigations. Delineation of petroleum hydrocarbon-impacted soil is not proposed as part of this pre-excavation contamination delineation. Handling and disposal of petroleum hydrocarbon impacted soil is discussed further in Section 5 and Section 8.

Once demolition of the buildings is complete, the contractor plans to begin shoring activities along the perimeter of the adjacent property (Parcel No. 53510136) and along the north, east and southeast perimeter of the subject property. Shoring will occur concurrently with the contaminant delineation activities described in this CMP/EMMP. No special handling of soil encountered during shoring is anticipated as there is sufficient historical soil and groundwater data to show that soil at the property boundary does not contain detectable concentrations of cVOCs and groundwater samples collected from the monitoring wells installed at the perimeter of the site did not contain detectable concentrations of cVOCs. Shoring along the south portion of the property to the south of the building may commence once the lateral extent of cVOCs impacts in the area of the former dry cleaner has been fully defined.

3.1 Field Investigation

Based on the available data from borings advanced in the vicinity of the dry cleaner, cVOCs were not detected at concentrations exceeding their respective cleanup levels, with the exception of one soil sample, which exceeded the cleanup level by 0.001 mg/kg at a depth of 2.5 feet bgs located directly beneath the dry cleaner machine. Data obtained from previous investigations indicates concentrations of cVOCs generally decrease with depth. To characterize the lateral extent of cVOC impacted soil and refine our estimate of the volume of soil to be excavated and managed under the CID, soil samples will be collected from test pits excavated between prior boring locations where cVOCs were not detected and those where cVOCs were detected. Excavation of cVOC impacted soil within the lateral boundary defined by the test pit investigation will proceed from the ground surface to the design depth of 12 feet bgs and performance soil samples will be collected from the bottom of the completed excavation per the sampling plan discussed in Section 5.

Proposed test pit locations are shown on **Figure 3**. The test pits will be excavated to depths up to approximately 6 to 7 feet bgs using a backhoe or excavator. Test pits will be excavated in a two-tiered approach as shown on **Figure 3**. The purpose of the two-tier process is to identify the

lateral boundary between areas known to be impacted by cVOCs and the areas where cVOCs are non-detect. Test pit locations designated as Tier 1 will be excavated and soil samples will be collected and analyzed on a 48-hour turn-around time. Based on the results from the Tier 1 samples, a second event will be scheduled to excavate additional Tier 2 test pits as needed to complete delineation. For example, if the Tier 1 samples are non-detect for cVOCs in a particular direction, then the boundary between the known areas of cVOC-impacted soil and areas where soil is non-detect for cVOCs will have been established. If the Tier 1 samples in a particular direction still contain detectable concentrations of cVOCs one must step further out to identify the boundary. Soil samples collected during the Tier 2 event will also be submitted on a 48-hour turn-around time. The rapid turn-around time of 48 hours (a week or more is typical) is necessary to support the CID process and keep the development work on schedule.

Soil excavated from each test pit will be logged according to the Unified Soil Classification System (USCS) by a CDM Smith geologist. Two discrete soil samples will be collected from each test pit either directly from the test pit or from the backhoe bucket, depending up on the depth of the test pit. A soil sample will be collected from approximately 2 to 3 feet bgs, and from the base of each test pit at approximately 6 to 7 feet bgs. Soil will be collected from each of these test pits from the excavator bucket using clean, disposable nitrile gloves or a decontaminated stainless steel spoon and placed into a laboratory supplied 4-ounce jar. These samples will be used for dry weight determination. Soil samples to be analyzed for cVOCs will be collected following EPA Method 5035 for the preservation of volatiles. This method entails collecting an approximately 5-gram soil sample using a core device and immediately dispensing the sample into a laboratory-supplied pre-weighed VOA bottle. All samples will be immediately sealed, labeled, and stored in a chilled cooler for transport and delivery to the analytical laboratory.

Soil samples will be delivered under chain-of-custody to OnSite Environmental (OnSite) located in Redmond, Washington for analysis of a select list of cVOCs (PCE, TCE, cis-1,2-DCE, trans-1,2-dichloroethene [trans-1,2-DCE] and vinyl chloride [VC]) by EPA Method 8260D. To assist in soil disposal profiling, selected samples will also be analyzed for total metals (RCRA 8 metals plus copper, nickel and zinc) by EPA Methods 6020/7470A.

The excavated soil will be placed back into the test pits after logging and soil sampling has been completed in the same general order in which it was removed and compacted with the excavator bucket. The horizontal location of each test pit will be measured using a handheld global positioning system (GPS) unit to obtain a latitude and longitude for each test pit location. Locations will also be marked with a labeled flag or wooden stake in the field and recorded on a site figure.

3.2 Well Decommissioning

Prior to demolition and initiation of the field investigation, all existing monitoring wells installed throughout the redevelopment parcels will be appropriately decommissioned. Monitoring wells MW1 through MW5 will need to be abandoned by a licensed well driller in accordance with WAC 173-160-460, which pertains to decommissioning of resource protection wells. CDM Smith will assist as needed in procuring a licensed driller and supplying the driller with the well construction logs (if not already available in Ecology's online well records) necessary to complete well decommissioning activities.

Section 4

Compliance Monitoring

Two types of compliance monitoring, as described in WAC 173-340-410, will be conducted. *Protection monitoring* will be used to confirm that human health and the environment are adequately protected during the cleanup action. *Performance monitoring* will be used to confirm that the cleanup action has attained cleanup goals. MTCA identifies a third type of compliance monitoring, *confirmation monitoring*, which is intended to demonstrate the long-term effectiveness of the cleanup action. Because of the complete soil removal and that existing groundwater sampling data demonstrates that concentrations of cVOCs are not and have never been present in groundwater at concentrations exceeding the MTCA Method A cleanup levels for groundwater, there is no need for confirmation monitoring, such as long-term groundwater monitoring.

The CMP covers protection monitoring and performance monitoring, to be conducted during the soil removal as described in the following sections. The monitoring that is associated with the management of wastes (e.g., profiling of excavated soil) is discussed further in the SAP presented in Section 5.

4.1 Protection Monitoring

4.1.1 Human Health

Field screening will be conducted during the test pit investigation and the mass soil excavation to protect site workers and the general public from air emissions associated with the soil excavation. The field screening will be accomplished in accordance with CDM Smith's, R. Miller's, and R. Miller's subcontractors' health and safety plans. An organic vapor meter equipped with a photoionization detector (OVM-PID) will be used to monitor the breathing zone periodically (e. g., hourly) and if there is noticeable odor. If volatile organic compound (VOC) concentrations within the work area become significant (i.e., at levels that require an action), conditions at the property limits will also be monitored. If VOC concentrations exceed established action levels for any sustained period of time, then operations will be temporarily suspended. If necessary, engineering controls will be implemented to keep VOC concentrations below action limits while completing the work. Given the low concentrations of cVOCs observed at the site to date, it is anticipated that air monitoring will consist primarily of breathing zone monitoring during excavation activities and that temporary work suspension or engineering controls will be unnecessary.

4.1.2 Environment

Stormwater Control: During excavation, controlling stormwater runoff will protect the environment. Implementation of Best Management Practices (BMPs) in accordance with the Stormwater Management Manual for Western Washington (Ecology 2012) will ensure compliance with the Water Pollution Control Act. The construction contractor, R. Miller, will be responsible for development of a Stormwater Pollution Prevention Plan (SWPPP) and

implementation of the SWPPP's BMPs in accordance with the redevelopment permit. BMPs will include, but not be limited to:

- installation of silt fencing;
- installation of catch basin inserts;
- minimizing sediment track out by vehicles by use of a stabilized construction entrance, wheel washing, dry brushing, and/or other methods; and
- covering soil stockpiles.

Dust Control: Dust generation is both a human health and environmental issue. Dust control will occur in accordance with the health and safety plan. As necessary, dust will be controlled by spraying water on exposed surfaces.

4.2 Performance Monitoring

Soil monitoring and sampling will be conducted to evaluate the performance of the cleanup action during the excavation. This involves field screening to assess the progress of the cleanup, sampling the excavated soils to determine appropriate disposal, and sampling the excavation limits to assess when the cleanup goals have been met. Soil samples collected from the pre-excavation test pits will also be used as performance samples, as appropriate. The frequency and scope of the monitoring and sampling is detailed in Section 5. The performance monitoring results will be used to assess when the cleanup objectives have been met.

As was noted previously, the goals of this CMP/EMMP are the appropriate delineation and disposal of soils impacted by cVOCs and petroleum hydrocarbons. Soil samples collected from the pre-excavation test pits and excavation limits will be compared to the analytical method practical quantitation limit (PQL) for each analyte. Excavated soil containing concentrations of cVOCs greater than their respective PQL will be disposed of under the CID. Excavated soil containing detectable concentrations of TPH-O will be disposed of in accordance with Ecology's *Guidance for Remediation of Petroleum Contaminated Sites*, Table 12.1, Guidelines for Reuse of Petroleum-Contaminated Soil provided in **Appendix A**. See Section 8 for further discussion of the excavated material handling protocol.

Section 5

Sampling and Analysis Plan

Soil and groundwater sampling will be conducted for the following purposes:

- Field screening will be conducted to guide soil excavation and assist in segregation of clean soils versus contaminated soils.
- If excavated soils are stockpiled, soil samples may be collected from excavated stockpiled soil for disposal profiling.
- Soil samples will be collected from test pits excavated prior to mass excavation and/or at the excavation limits to confirm that cleanup standards have been met at the base of the excavation and confirm that soil does not contain detectable concentrations of cVOCs and/or TPH-O at the excavation sidewall limits before further mass excavation occurs to allow for the re-development construction to proceed.
- Groundwater samples of extracted groundwater from dewatering activities may be collected for wastewater discharge permit compliance, as well as for performance monitoring purposes.

The following sections provide details of the soil sampling and groundwater sampling that will be completed during re-development construction and remedial activities.

5.1 Field Screening of Soil

RECs identified during previous Phase 1 ESAs included the historical dry cleaning operation and a possible heating oil underground storage tank (UST) associated with a historical oil burner on the site. Prior investigations evaluated RECs to the extent practicable and field screening will occur in areas of known impacts. If, during excavation outside these areas, evidence of contamination is found (e.g. discolored or odorous soils, or a heating oil UST), then the nature and extent of that contamination will be evaluated and handled appropriately per the contingency plan discussed in Section 5.5.

Qualitative field screening methods will be used to monitor soils being removed from the excavation, the excavation sidewalls, and stockpiled soils in the area of known impacts. Field screening results will be used to aid in evaluating whether the limits of the contamination have been attained at the excavation limits, as well as segregation of clean soils versus contaminated soils. Screening methods include: 1) visual examination; and 2) headspace screening using an OVM-PID.

Visual screening consists of inspecting the soil for discoloration indicative of contamination and if applicable, sheen testing. Sheen testing involves placing a sample of the soil in water and checking for an oil sheen. Headspace screening consists of placing a representative portion of soil into a resealable plastic bag and disaggregating the sample. After a several minute stabilization period,

concentrations of VOCs in the headspace will be measured using an OVM-PID. This is not a compound-specific analysis and is affected by, among other influences, climate (e.g., temperature and humidity), soil type and conditions, instrument calibration and operation, and type of contamination present.

5.2 Soil Sampling

5.2.1 Excavated Soil Profile Sampling

Stockpile sampling of cVOC-impacted soil is not anticipated as the expectation is that the excavation limits will be mostly or entirely delineated during the pre-excavation test pit investigation and direct loading of excavated material to pre-defined excavation limits will occur. Furthermore, it is not anticipated that Ecology will allow for stockpiling of soils impacted by cVOCs. TPH-O impacted soils on the south portion of the site were also mostly delineated during prior investigations. However, if during the mass excavation soils otherwise suspected to be impacted by contaminants are encountered, they will be stockpiled and sampled. **Table 5-1** summarizes the minimum sampling density based on the stockpile size. Analytical testing will be determined based on the field screening, suspected contaminant source, and requirements of the receiving landfill.

Table 5-1 Stockpile Sampling

Description	Bulk Cubic Yards	Minimum Number of Samples	Analytical Testing
Soil Stockpile	0-100	3	As determined based on field screening and the suspected contaminant source.
	101-500	5	
	501-1,000	7	
	1,001-2,000	10	
	>2,000	10+1 for ea. Additional 500 cy	

5.2.2 Excavation Limit Performance Sampling

Performance soil samples will be obtained from the excavation limit sidewalls and base. A minimum of one discrete sample will be collected per approximately 400 square feet of excavation base or sidewall, if test pit sampling data cannot be used to represent a “clean” sidewall for a given area. Once performance soil sample results or test pit sample results demonstrate the excavation sidewalls do not contain detectable concentrations of cVOCs, removal of contaminated soil will be considered complete. There are currently no plans to perform additional soil removal beyond the planned depth of the main re-development excavation. Confirmation soil samples collected from the base of the excavation will be collected from the design depth to determine if any residual impacted soil remains.

Confirmation soil samples will be obtained from the locations that exhibited the greatest evidence of contamination (e.g., residual source areas; stringers of contamination within the soil profile which indicated the path of migration; the capillary zone). All soil samples will be analyzed for cVOCs by EPA Method 8260D. Selected samples in the area of known TPH-O impacts will be analyzed for diesel- and oil-range TPH by Northwest Method NWTPH-Dx.

5.2.3 Soil Sample Collection Procedures

New disposable nitrile gloves will be worn by field staff for each sample obtained. Non-disposable sampling equipment will be decontaminated between each sample using methods described in later sections of this CMP. Disposable sampling equipment will be discarded between each individual sample set. Soil samples to be analyzed for VOCs will be collected in accordance with EPA Method 5035A. This method involves using a disposable coring device to collect an approximately 5 gram soil sample and dispensing the sample directly into a 40 milliliter VOA vial that is sealed with a Teflon lined septum. Depending upon the laboratory, the sample container may or may not contain a preservative. Unpreserved samples must be delivered to the laboratory within 48 hours of collection or frozen. Soils for dry weight determination and all other analyses will be collected into 4-ounce laboratory-supplied sample containers. All sample containers will be immediately labeled with the sample ID, date and time of collection, and sampler's initials, stored in a chilled cooler, and transported to the laboratory under chain-of-custody protocol.

Table 1 summarizes the appropriate containers/preservatives and maximum holding times for each of the analytes.

5.2.4 Sample Documentation

The horizontal location of each sidewall sample will be measured using a handheld GPS unit to obtain its latitude and longitude for each test pit location. The limits of the excavation will also be plotted using the GPS. These data will be used in preparing the figures for the report that documents the final cleanup action.

5.3 Groundwater

Construction dewatering implementation and design is the responsibility of the construction contractor. Groundwater recovered during dewatering efforts, will be sampled by CDM Smith, as needed, for waste disposal characterization and discharge permit compliance. Analytical methods will be based upon discharge permit requirements and treatment of recovered groundwater prior to discharge, if any, will be designed to ensure compliance with the discharge permit.

5.4 Analytical Methods

Analytical methods, and PQLs for cVOCs, total petroleum hydrocarbons and total metals are presented on **Table 2**.

5.5 Contingency Planning

In the event of any unplanned discoveries during construction, such as a UST or discolored and/or odorous soils, in areas where contamination was not previously identified or anticipated, this section outlines a contingency plan for addressing unanticipated environmental conditions that may be encountered during construction.

Field observations of staining or odors in soils during excavation activities may indicate a potential for contamination. The procedure for addressing discoveries of previously unidentified or unanticipated soil with suspected contamination will be to stop work in the affected area. A discussion will be initiated between the CDM Smith project manager and the construction superintendent to assess the nature of the observed impacts. Based on the nature of the

observations and suspected impacts observed, additional sampling will be conducted in the affected area to characterize the nature and extent of contamination.

If a heating oil UST is discovered during soil excavation, then the contents of the UST will be assessed, and the UST will be emptied, cleaned, inerted, and removed by a licensed UST decommissioning contractor. Soil samples will be collected from native soil at the limits of the UST removal excavation by a CDM Smith licensed Washington State Site Assessor in accordance with Ecology's *Site Assessment Guidance for Underground Storage Tank Systems* (Ecology 2021) and WAC 173-360A-0730. If the results of sampling confirm a release of petroleum products to the subsurface, then the appropriate notifications will be made to Ecology to report the release in accordance with the above referenced document. Contamination at concentrations greater than the MTCA Method A cleanup level will be removed and disposed of as appropriate and problem waste containing detectable concentrations of petroleum contaminants will be managed in accordance with Section 8.2. If encountered, UST closure and site assessment results will be documented as part of the final closure report for the project as discussed in Section 9.

The re-development excavation is planned to proceed to the design depth and lateral extent specified by the construction contractor. In the unlikely event that performance sampling results obtained during the removal of CID soils or problem waste soils as described in Section 5.2.2 and Section 8 indicate that contamination in excess of the applicable cleanup levels remains at the design limits of the excavation, the project manager will evaluate appropriate remedial actions. If it is agreeable with Xinghua and the other project stakeholders that it is practical and cost effective to excavate and remove all soils exceeding the applicable cleanup levels, then soil over-excavation will be performed and additional performance samples will be collected from the completed limits of the over-excavated areas to demonstrate the final conditions and completion of the cleanup action. If soil or groundwater exceeding MTCA cleanup levels remain in place after excavation is completed, the project manager or other appropriate project representative will report to Ecology in accordance with Toxics Cleanup Program Policy 300 (June 10, 2004) and will conduct additional characterization and cleanup in accordance with the MTCA Regulations (WAC 173-340).

Section 6

Sample Custody Procedures, Handling and Shipping

6.1 Custody

Samples collected during the project will represent physical evidence collected from the site or its immediate surroundings. Because of the potential use of these samples as evidence, their possession must be traceable from collection until the data from them are ultimately used. A chain-of-custody protocol will be followed to maintain and document sample possession. The principal documents used include:

- Sample labels
- Sampling records specific to the various media
- Chain-of-custody records

Each sample will be labeled immediately after collection. Each label will include, at a minimum, the following information:

- Project name and number
- Initials of sampler
- Date and time of collection
- Number that uniquely identifies the sample and its collection location (the sample numbering sequence will not indicate to the laboratory which samples are duplicates, splits, or field blanks)
- Preservative (if any)

Samples will be kept in the sampler's custody until they are turned over to the analytical laboratory's custody.

Samples will be shipped to the analytical laboratory with chain-of-custody records, establishing the documentation necessary to trace sample possession from the time of collection. The chain-of-custody records will contain, at a minimum, the following information:

- Sample numbers
- Signature of collector
- Dates and times of collection

- Place of collection
- Sample matrix
- Signatures of persons involved in the chain of possession
- Inclusive dates of possession

The chain-of-custody record will also be used to indicate what analyses are required by checking the appropriate box(es) on the form. Following proper sealing and labeling, sample containers will be placed in a chilled cooler.

6.2 Shipping

As described above, samples will be accompanied by a properly completed chain-of-custody form. When transferring the possession of samples, the individuals relinquishing and receiving will sign, date, and note the time on the record. This record documents transfer of custody of samples from the sampler to another person, to the project laboratory, or to/from a secure storage area.

Samples will be properly packaged for shipment and dispatched to the laboratory for analysis with a separate, signed custody record enclosed in each sample cooler. If samples are to be shipped by courier, shipping containers will be secured with strapping tape and custody seals will be attached for shipment to the laboratory. The preferred procedure includes use of a custody seal attached to the front right and back left of the cooler. The custody seals are covered with clear plastic tape. The cooler is strapped shut with strapping tape in at least two locations.

6.3 Documentation and Sample Identification

A Daily Field Investigation Form will be the basis of documentation for this project. Entries on it describe the day's activities. If an incorrect entry is made, the information will be crossed out with a single line and initialed and dated by the field representative.

Samples will be labeled uniquely and sequentially. For example:

Test Pit Samples: e.g., TP-1-7

- TP is the designation for a test pit sample.
- The first number - 1 in this instance - is the first test pit
- The second number is the depth of the sample, from ground surface, in feet.

Excavation Limit Samples: e.g., EW-2-12

- EW is the designation for the excavation east sidewall (B would be the designation for the excavation base, and SW would be the designation for the south sidewall, and so forth)
- The first number - 2 in this instance - is the second sample from that sidewall.
- The second number - 12 in this instance - is the depth of the sample in feet.

Stockpile Samples: e.g., SP-2-3-2/20

- SP is the designation for a stockpile sample.
- The first number - 2 in this instance - is the second stockpile
- The second number – 3 in this instance – is the third sample collected from the stockpile

The third set of numbers are the month and day of collection (February 20)

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Section 7

Equipment Decontamination and Waste Control

7.1 Objectives

Equipment decontamination and waste control during proposed field activities are very important to prevent the spread of contaminants and ensure integrity of the work. The primary objectives are as follows:

- Contain all contaminated soil and water on the site in such a manner that work performed for the investigation does not cause the spread of any hazardous constituents located within the site.
- Decontaminate all sampling equipment in such a manner that no hazardous constituents are introduced into subsequent samples through cross contamination.
- Dispose of decontamination wastes properly.

7.2 Large Equipment Decontamination

Large equipment used for excavation of the contaminated material will be pressure washed prior to moving on to work at other locations (i.e., excavation of uncontaminated soil onsite).

7.3 Small Equipment Decontamination

Decontamination of non-disposable equipment between sample locations will consist of a series of three clean plastic buckets. The first bucket will contain clean, potable water and nonphosphate-based soap and serve as the main wash stage. The second bucket will contain clean, potable rinse water. The third bucket will be used to conduct a final rinse with distilled water. Water within the wash buckets and rinse buckets will be changed as it becomes dirty.

All sampling equipment will be decontaminated before and after each sampling event. The specific procedure is as follows:

- Wash in solution of non-phosphate based soap and potable water. Nylon pads and brushes are used to facilitate washing.
- Dip rinse in potable water.
- Final rinse with distilled water.
- Place on clean polyethylene sheeting.

Sponges, brushes, and nylon scrubbers will be used during step 1. All equipment will be air dried and contained in clean plastic bags, if possible, between sample collection events.

7.4 Waste Control

Liquids generated during decontamination will be captured, treated and disposed of the same as the groundwater that is generated from the impacted areas during dewatering. Alternately, it may be disposed of on the contaminated soil that is transported offsite for disposal as long as it does not cause free liquids to be generated.

Section 8

Excavated Material Handling

8.1 CID Soils

In a CID, Ecology often prescribes that soil containing cVOCs (dry cleaner solvent) be directly loaded into trucks or roll-off containers as opposed to first being stockpiled. The purpose of the two-tier test pit sampling and analysis described in Sections 3 through 5 of this document is to determine excavation boundaries and estimated soil volumes that are contaminated with cVOCs. CDM Smith staff will work with the contractor to develop an excavation plan after the pre-excavation contaminant delineation is complete. CDM Smith will submit the request for the CID and necessary documentation to Ecology and address any further questions that Ecology may have prior to authorizing the CID. Once the CID has been obtained, CDM Smith will assist the contractor in the necessary profiling of this material for acceptance by the receiving landfill.

All soils determined to contain cVOCs at concentrations exceeding the laboratory PQLs will be directly loaded and transported to a Subtitle D landfill and disposed of under the requirements set forth in the CID issued by Ecology. Specific requirements for contaminated soil handling will be outlined in Ecology's CID and must be adhered to.

After the cVOC-impacted soil is removed to the pre-defined boundaries, additional performance samples will be collected from the excavation sidewalls and analyzed to achieve the desired sampling density at the excavation limits. Soil still containing cVOC concentrations greater than the laboratory PQLs will be excavated and directly loaded. After it has been satisfactorily demonstrated that soil containing detectable concentrations of cVOCs has been removed from the site and design depths have been met, then the development project may proceed without further contaminant delineation and special handling/disposal.

8.2 Problem Waste Soils

Soil containing concentrations of TPH-O greater than the MTCA Method A cleanup level of 2,000 mg/kg identified on the south portion of the property during earlier investigations, will be disposed of as a problem waste. CDM Smith will assist the contractor in the necessary profiling of this material for acceptance by the receiving landfill. Other soils containing detectable concentrations of TPH-O will be disposed of in accordance with Ecology's *Guidance for Remediation of Petroleum Contaminated Sites*, Table 12.1, Guidelines for Reuse of Petroleum-Contaminated Soil and Table 12.2 Description and Recommended Best Management Practices for Soil Categories in Table 12.1, provided in **Appendix A**. Identification of the target disposal facilities for problem waste soils is the responsibility of the construction contractor. All other soils will be handled as clean soil and may be used at the contractor's discretion.

If soil containing suspected or detectable concentrations of contaminants is stockpiled onsite, stockpiles must be placed on a plastic liner and covered at the end of each working day or during periods of precipitation to prevent stormwater runoff and erosion from the stockpiles. Stockpiled soils not previously profiled will be sampled per Section 5.2.1.

8.3 Groundwater

Groundwater extracted during construction activities will be managed by the construction contractor and the contractor is responsible for obtaining the appropriate discharge permits and complying with the terms of the permit. CDM Smith will assist as needed in the collection, chemical analysis, profiling and treatment (if any) of extracted groundwater to ensure compliance with the discharge permit requirements.

Section 9

Reporting

At the completion of the soil removal action, CDM Smith will prepare a closure report that documents the soil excavation, dewatering, sampling procedures, and provides a discussion of the site description, observations, analytical results, findings, and conclusions. The report will include data summary tables and figures. Test pit logs, analytical reports, and soil and groundwater disposal documentation, will be included in the report appendices.

In the unlikely event that contaminant concentrations exceeding the applicable MTCA cleanup levels are left in-place, the report will include recommendations for additional follow-up monitoring or remedial actions.

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Section 10

References

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Tables

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Table 1**Analytical Methods, Sample Containers, and Holding Times**

Mercer Island Property
Compliance Monitoring Plan
2885 78th Avenue SE
Mercer Island, Washington

Analyte	Method	Container/Preservative	Maximum Holding Time
Soil			
Chlorinated VOCs	8260D 5035A	4 oz. widemouth glass jar 2 - Preweighed 40 ml VOA Vial with Teflon Septum	14 days (If not preserved, freeze within 48 hrs at lab)
TPH-Diesel and Oil	NWTPH-Dx	4 oz. widemouth glass jar	14 days
Metals	1311 6020/7470A	4 oz. widemouth glass jar	6 months/Hg 28 Days

Notes:

TPH - total petroleum hydrocarbons

ml - milliliter

Hg - mercury

VOC- volatile organic compounds

Table 2**Analytical Method Reporting Limits - Chlorinated VOCs, Petroleum Hydrocarbons and Metals**

Mercer Island Property

Compliance Monitoring Plan

2885 78th Avenue SE

Mercer Island, Washington

Analyte	Method	Soil Practical Quantitation Limit	
<u>Chlorinated VOCs^a</u>	8260D		
Tetrachloroethene		1.0	µg/kg
Trichloroethene		1.0	µg/kg
(cis) 1,2-Dichloroethene		1.0	µg/kg
(trans) 1,2-Dichloroethene		1.0	µg/kg
Vinyl Chloride		1.0	µg/kg
<u>TPH-Diesel and Oil Range</u>	NWTPH-Dx		
Diesel		25	mg/kg
Lube Oil		50	mg/kg
<u>Metals (RCRA 8)</u>	6020/7470A		
Arsenic		10	mg/kg
Cadmium		0.50	mg/kg
Chromium		0.50	mg/kg
Copper		0.50	mg/kg
Lead		5.0	mg/kg
Nickel		2.5	mg/kg
Selenium		10	mg/kg
Barium		2.5	mg/kg
Silver		0.50	mg/kg
Mercury		0.25	mg/kg
Zinc		2.5	mg/kg

Notes:

a) Select list of Chlorinated VOCs

µg/kg - micrograms per kilogram

mg/kg - milligrams per kilogram

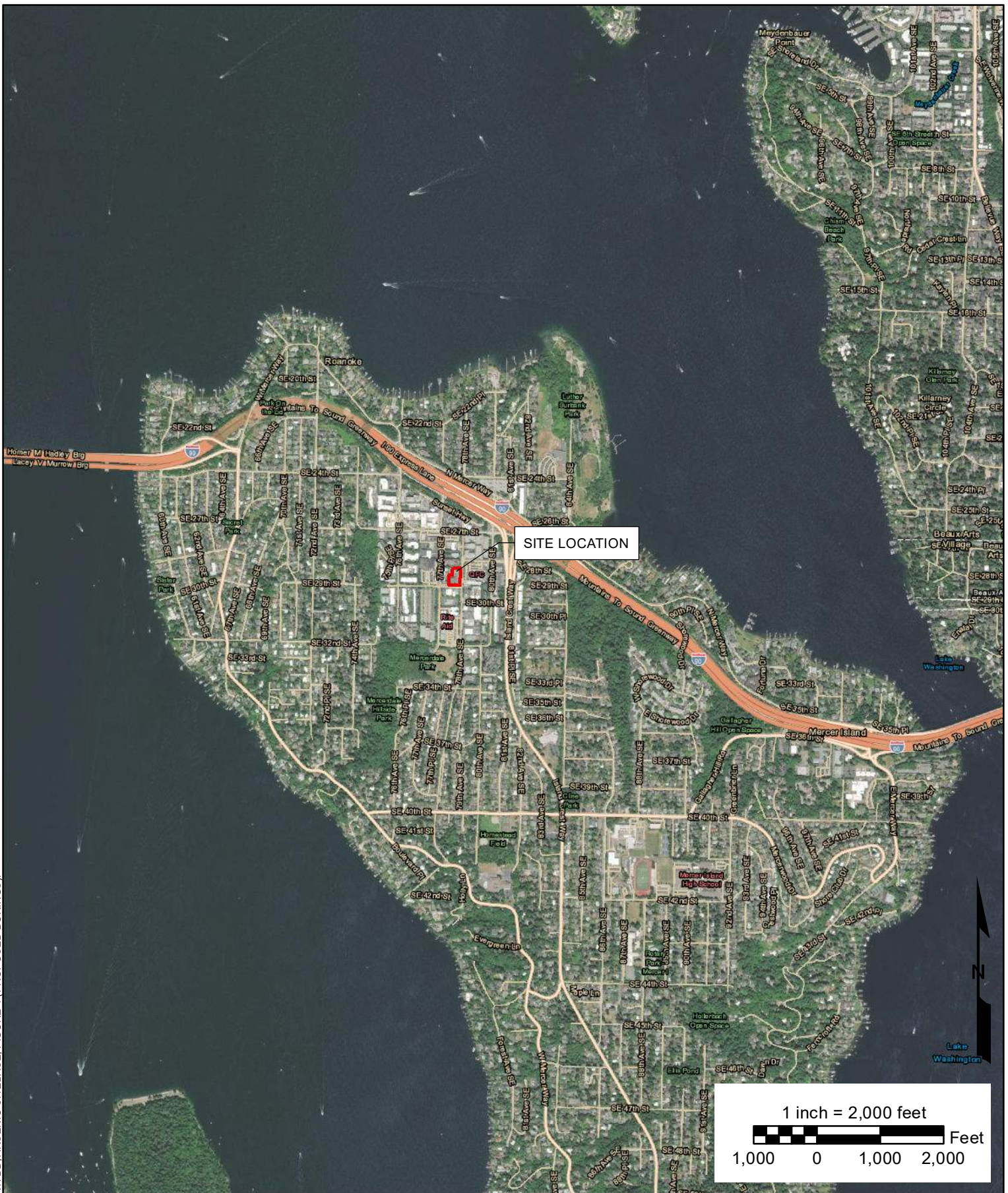
TPH - total petroleum hydrocarbons

VOC- volatile organic compounds

RCRA - Resource Conservation and Recovery Act

Figures

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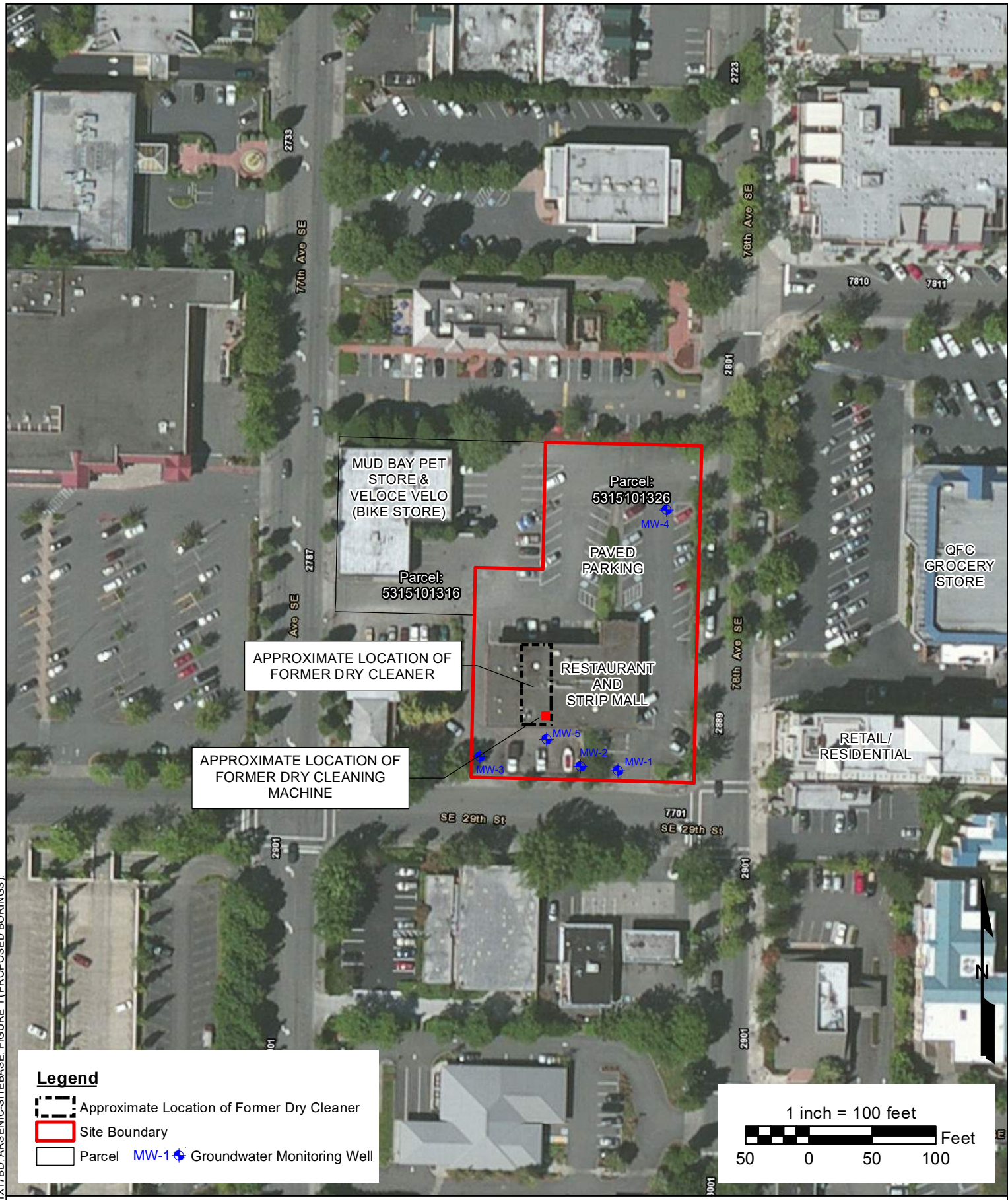
SOURCE: ESRI WORLD IMAGERY, 2020



2885 78TH AVENUE SOUTHEAST
MERCER ISLAND, WASHINGTON

Figure 1
Site Vicinity Map

DOCUMENT PATH: E:\Projects\Mercer Island\GIS\MXD\Figure-2_SitePlan.mxd: 5/27/2021 10:09:47 PM: CAD XREFS: ARSENIC-11X17BD.ARSenic-SITEBASE.FIGURE 1 (PROPOSED BORINGS).



2885 78TH AVENUE SOUTHEAST
MERCER ISLAND, WASHINGTON

Figure 2
Site Plan



18321 98TH AVENUE NE, SUITE #1
BOTHELL, WA. 98011
425.775.3822 rmillerinc.com

CLIENT NAME / CLIENT LOGO

CONSULTANT NAME / CONSULTANT LOGO

PROJECT TITLE / PROJECT ADDRESS

SITE LOGISTICS
MERCER ISLAND MIXED USE
MERCER ISLAND, WA

REVISIONS

PERMIT DOCUMENTS
BID DOCUMENTS
CONSTRUCTION DOCUMENTS

PROJECT NUMBER 190057
DRAWN BY TH/MWB
CHECKED BY
DATE 10/12/2020

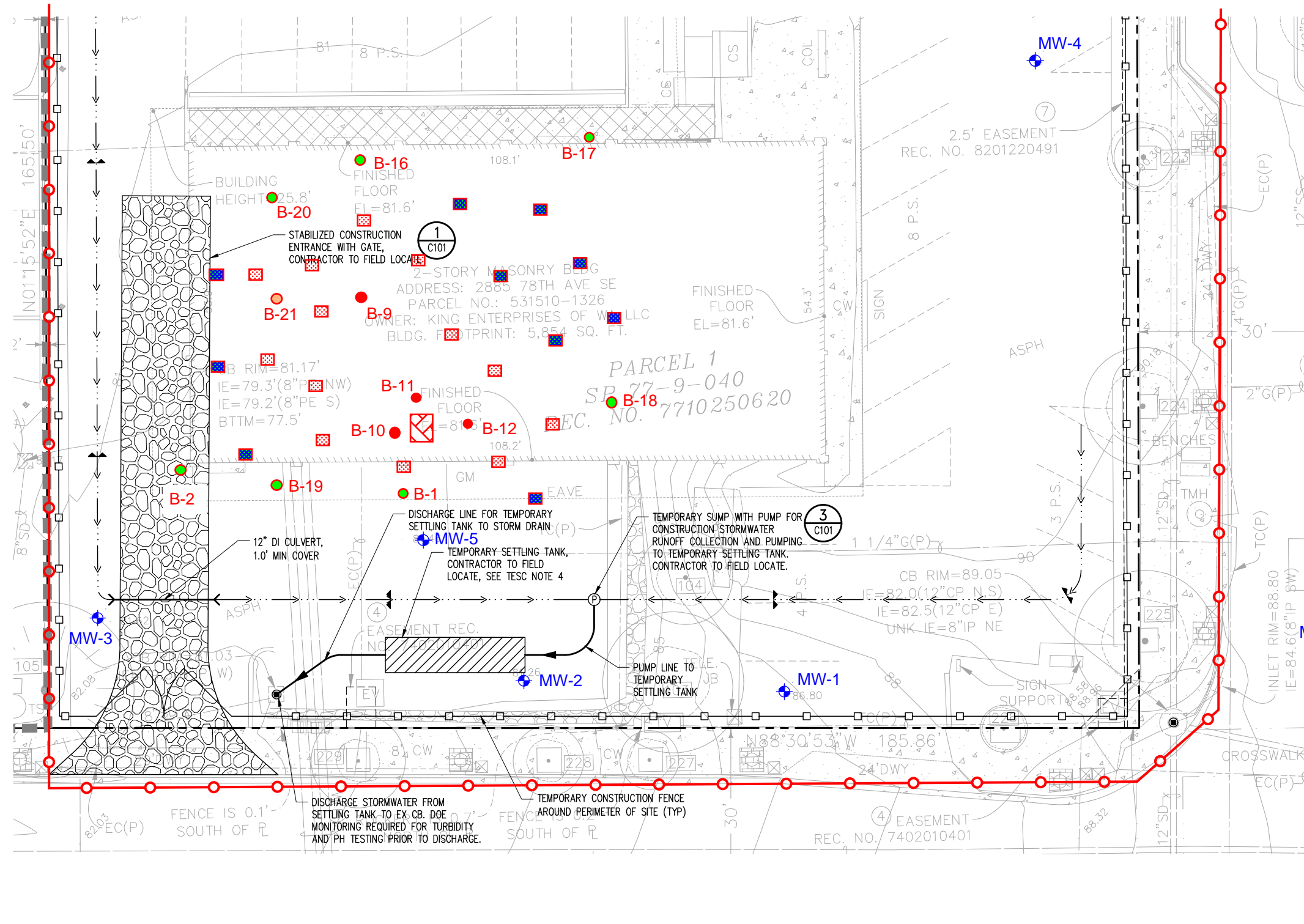
ARCHITECT / ENGINEER SEAL

SHEET TITLE

PHASE 1
DEMOLITION

SHEET NUMBER

RM-1.0



Appendix A

Table 12.1 and Table 12.2 from Ecology's *Guidance for Remediation of Petroleum Contaminated Sites*

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Table 12.1 Guidelines for Reuse of Petroleum-Contaminated Soil					
Parameter	Analytical Method	Soil Category (8)(9)(10)			
		1 No detectable Petroleum Components (mg/kg)	2 Commercial Fill Above Water Table (mg/kg)	3 Paving Base Material & Road Construction (mg/kg)	4 Landfill Daily Cover or Asphalt Manufacturing (mg/kg)
Total Petroleum Hydrocarbons (1)(2) See Table 7.1 for petroleum products that fall within these categories.					
Gasoline Range Organics	NWTPH-Gx	<5	5 - 30	>30 - 100	>100
Diesel Range Organics	NWTPH-Dx	<25	25 - 200	>200 - 500	>500
Heavy Fuels and Oils*	NWTPH-Dx	<100	100 - 200	>200 – 500	>500
Mineral Oil	NWTPH-Dx	<100	100 - 200	>200 – 500	>500
Volatile Petroleum Components					
Benzene	SW8260B	<0.005	0.005 - 0.03	0.03 or less	See Table 12.2
Ethyl benzene	SW8260B	<0.005	0.005 - 6	6 or less	>6
Toluene	SW8260B	<0.005	0.005 - 7	7 or less	>7
Xylenes (3)	SW8260B	<0.015	0.015 - 9	9 or less	>9
Fuel Additives & Blending Components					
(MTBE) Methyl Tert-Butyl Ether	SW8260B	<0.005	0.005 - 0.1	0.1 or less	>0.1
Lead	SW6010A	<17	17 - 50	>50 - 220	See Table 12.2
Other Petroleum Components					
Polychlorinated (4) Biphenyls (PCBs)	SW8082	<0.04	<0.04	<0.04	See Table 12.2
Naphthalenes (5)	SW8260B	<0.05	0.05 - 5	5 or less	>5
cPAHs (6)	SW8270C	<0.05	0.05 - 0.1	>0.1 - 2	>2
Other Petroleum Characteristics (Applies to soils contaminated with any petroleum product.)					
Odors	Smell	No detectable odor			
Staining	Visual	No unusual color or staining			
Sheen Test	See Footnote # 7	No visible sheen			
IMPORTANT: See Table 12.2 and the footnotes to this Table on the following pages! Test soil for the parameters specified in Table 7.2. *Does NOT include waste oil contaminated soils, which should be disposed of in a landfill. “<” means less than; “>” means greater than					

Table 12.2 Description and Recommended Best Management Practices for Soil Categories in Table 12.1 (continued next page)

Category	Acceptable Uses	Limitations
Category 1 Soils: Soils with no detectable/ quantifiable levels of petroleum hydrocarbons or constituents using the analytical methods listed in Table 7.3 and are not suspected of being contaminated with any other hazardous substances.	<ul style="list-style-type: none"> • Can be used anywhere the use is allowed under other regulations. • Any use allowed for Category 2, 3 & 4 soils. 	<ul style="list-style-type: none"> • These soils should be odor-free.
Category 2 Soils: Soils with residual levels of petroleum hydrocarbons that could have adverse impacts on the environment in some circumstances.	<ul style="list-style-type: none"> • Any use allowed for Category 3 & 4 soils. • Backfill at cleanup sites above the water table. • Fill in commercial or industrial areas above the water table. • Road and bridge embankment construction in areas above the water table. 	<ul style="list-style-type: none"> • These soils may have a slight petroleum odor, depending on the sensitivity of the individual. This should be considered when reusing these soils. • Should be placed above the highest anticipated high water table. If seasonal groundwater elevation information is not available, place at least 10 feet above the current water table. • Should not be placed within 100 feet of any private drinking water well or within the 10 year wellhead protection area of a public water supply well. • Should not be placed in or directly adjacent to wetlands or surface water where contact with water is possible. • Should not be placed under a surface water infiltration facility or septic drain field. • Any other limitations in state or local regulations.
Category 3 Soils: Soils with moderate levels of residual petroleum contamination that could have adverse impacts on the environment unless re-used in carefully controlled situations.	<ul style="list-style-type: none"> • Any use allowed for Category 4 soils. • Use as pavement base material under public and private paved streets and roads. • Use as pavement base material under commercial and industrial parking lots. 	<ul style="list-style-type: none"> • Should be placed above the highest anticipated high water table. If seasonal ground water elevation information is not available, place at least 10 feet above the water table. • Should be a maximum of 2 feet thick to minimize potential for leaching or vapor impacts. • Should not be placed within 100 feet of any private drinking water well or within the 10 year wellhead protection area of a public water supply well. • Should not be placed in or directly adjacent to wetlands or surface water. • Should not be placed under a surface water infiltration facility or septic drain field. • When exposed, runoff from area in use should be contained or treated to prevent entrance to storm drains, surface water or wetlands. • Any other limitations in state or local regulations.

Table 12.2 Description and recommended best management practices for soil categories in Table 12.1 (continued next page).

Table 12.2 (continued) Description and Recommended Best Management Practices for Soil Categories in Table 12.1		
Category	Acceptable Uses	Limitations
<p>Category 4 Soils: Soils with high levels of petroleum contamination that should not be re-used except in very limited circumstances.</p>	<ul style="list-style-type: none"> • Use in the manufacture of asphalt. • Use as daily cover in a lined municipal solid waste or limited purpose landfill provided this is allowed under the landfill operating permit. 	<p>Landfill Limitations:</p> <p>The soil should be tested for and pass the following tests:</p> <ul style="list-style-type: none"> ➤ Free liquids test. Soils that contain free liquids cannot be landfilled without treatment. ➤ TCLP for lead and benzene. Unless exempt under WAC 173-303-071(3)(t), soils that fail a TCLP for lead or benzene must be disposed of as hazardous waste. ➤ Flammability test. Soils that fail this test must be disposed of as hazardous waste. ➤ Bioassay test under WAC 173-303-100(5). Soils that fail this test must be disposed of as hazardous waste. ➤ PCBs. Soils with a total PCB content of 2 ppm or more must be disposed of as hazardous waste. <p>Soil used for daily cover should be stockpiled within the landfill lined fill area.</p> <p>Soil containing more than 10,000 mg/kg TPH should be buried immediately with other wastes or daily covered to limit potential worker exposure.</p> <p>Any additional limitations specified in the landfill permit or in other state or local regulations.</p> <p>Asphalt Manufacturing Limitations:</p> <p>Soil storage areas should be contained in a bermed area to minimize contact with surface water runoff from adjacent areas. Runoff from storage areas should be considered contaminated until tested to prove otherwise.</p> <p>Soil storage areas should also be lined and covered with a roof or secured tarp to minimize contact with precipitation and potential groundwater contamination. Leachate from storage areas should be considered contaminated until tested to prove otherwise.</p> <p>The soil should be tested for and pass the following tests:</p> <ul style="list-style-type: none"> ➤ TCLP for lead and benzene. Unless exempt under WAC 173-303-071(3)(t), soils that fail a TCLP for lead or benzene must be disposed of as hazardous waste. ➤ Flammability test. Soils that fail this test must be disposed of as hazardous waste. ➤ Bioassay test under WAC 173-303-100(5). Soils that fail this test must be disposed of as hazardous waste. ➤ No detectable levels of PCBs in soil (<0.04 mg/kg). <p>Precautions should be taken to minimize worker exposure to soil storage piles and any dust or vapors from these piles prior to feeding into the asphalt batch plant.</p>
IMPORTANT: See the following page for additional information!		



Appendix B Test Pit Investigations



Technical Memorandum

To: Wei Yang - Xinghua Group, LTD

From: August Welch, LG, PMP – CDM Smith

Date: March 23, 2024

Subject: Groundwater and Soil Sampling Results – 2885 78th Ave SE, Mercer Island, Washington

Introduction

CDM Smith Inc. (CDM Smith) is pleased to provide Xinghua Group Ltd (Xinghua) with this technical memorandum documenting the groundwater sampling activities performed on February 29, 2024. The purpose of the groundwater sampling event was to identify potential impacted groundwater prior to construction and excavation activities during redevelopment of the Mercer Island Property (formerly known as the King Property) located at 2885 78th Ave SE, Mercer Island, Washington (site). CDM Smith understand that Xinghua plans to demolish the building and re-develop the property, including the excavation and construction of a new building to include a sub-grade floor level. It is CDM Smith's understanding that removal and disposal of impacted soil, and possibly groundwater, will be conducted concurrently with redevelopment activities. Remedial actions, if any, will be conducted as an independent cleanup action.

Background

Multiple environmental due diligence investigations were conducted at this site between 2012 and 2018 including three Phase 1 Environmental Site Assessments, a limited subsurface investigation, and a limited supplemental Phase 2 environmental site investigation. The investigations identified low level concentrations of tetrachloroethene (PCE) and total petroleum hydrocarbons (TPH) in site soils and groundwater. A limited number of PCE and TPH detections in soil exceeded the Model Toxics Control Act (MTCA) Method A cleanup levels, but no exceedances were found in groundwater. In August 2021, CDM Smith prepared a Compliance Monitoring Plan/Environmental Media Management Plan (CMP-EMMP) to support construction during remedial excavation activities which is intended to address these impacted soils and assist with soil handling and disposal. As a part of the construction permitting process, Xinghua is in the process of obtaining a construction stormwater permit from the Washington State Department of Ecology. Due to the potential presence of contaminants at the site, additional groundwater data is needed to support the permit application. Soil sampling at two test pits excavated adjacent to the former dry cleaner building was performed during this investigation to supplement historical soil sampling data and to provide initial pre-characterization data and assist in construction planning. The work performed during this sampling event was conducted according to CDM Smith's proposal to Xinghua Group, LTD, dated February 20, 2024.

Field Methods

On February 29, 2024, CDM Smith collected groundwater samples from the monitoring wells MW-1 through MW-5 at the site. The site layout and monitoring well locations are shown on **Figure 1**. Depths to water in each monitoring well prior to sampling were measured using an electronic water level indicator and measured from the top of the well casing to the nearest 0.01 foot (ft).

The groundwater samples were collected using a peristaltic pump by low flow purging and sampling techniques. The pump intake for each sample was situated at approximately the mid-point of the well screen interval and the wells were purged at a flow rate of less than 500 milliliters per minute (ml/min) through a flow through cell that measures water quality parameters (temperature, specific conductance, pH, dissolved oxygen and oxidation reduction potential). The wells were purged until stabilized parameters were observed over three consecutive readings collected at five-minute intervals. Depth to water was measured during purging to ensure minimal drawdown in the well casing. Prior to collecting the samples, the tubing was disconnected from the flow through cell and the pump discharge was used to collect the groundwater samples directly into laboratory supplied containers. The samples were submitted under chain of custody protocol to OnSite Environmental (OnSite) laboratory, located in Redmond, Washington. Groundwater samples were analyzed by the following analyses:

- Volatile Organic Compounds (VOCs) by EPA Method 8260D (all samples),
- NWTPH-Gx (MW-1 and MW-2), and
- NWTPH-Dx (MW-1 and MW-2).

On March 8, 2024, CDM Smith collected soil samples from two test pit excavations advanced in the vicinity of MW-5, on the south side of the former dry cleaner building. The locations of the test pits are shown on **Figure 1**. The construction contractor, R Miller, excavated the test pits using a backhoe. Each test pit was excavated to 6 feet below ground surface (bgs). CDM Smith examined the excavated soil, logged the soil lithology on a test pit log and field screened the excavated soils for the presence of volatile organic compounds using a photoionization detector. Three soil samples were collected from each test pit at depths of approximately 1 ft, 4 ft and 6 ft. Soil samples were collected using EPA Method 5035 for the preservation of volatiles and were submitted to OnSite under chain of custody protocol for the following analyses:

- Volatile Organic Compounds (VOCs) by EPA Method 8260D, and
- NWTPH-Dx.

The test pits were backfilled using the excavated soils and compacted using the backhoe bucket.

Findings

The following section summarizes the findings of the groundwater sampling and test pit soil sampling activities.

Groundwater Sampling

Depth to water measurements and groundwater elevations, calculated from the surveyed top of well casing elevations, are shown in **Table 1**. Groundwater elevation contours are shown on **Figure 1**. Depths to water ranged from 1.01 ft at MW-2 to 6.59 ft at MW-4. Shallow groundwater beneath the site

appears to be present under confined, or semi-confined conditions with potentiometric surface elevations ranging from 79.57 feet above mean sea level (amsl) in the southwestern portion of the site at MW-3 to 83.32 ft amsl in the northeastern portion of the site at MW-4. The general groundwater gradient across the site appears to be towards the southwest at approximately 0.014 feet per foot (ft/ft).

Depth to water measurements were generally consistent with the available historical data and based on CDM Smith's review of the available data, indicate seasonal fluctuations in groundwater elevations vary by as much as a few feet annually. Based on CDM Smith's review of the available well logs, static water levels in the monitoring wells are generally several feet higher than the depth of first encountered groundwater during drilling, which indicates that shallow groundwater appears to be present under confined or semi-confined conditions.

Based on CDM Smith's review of the laboratory results of groundwater samples, the laboratory followed their appropriate Quality Control/Quality Assurance (QA/QC) procedures, and the data are considered acceptable for use on this project. The analytical results of groundwater sampling are summarized in **Table 2**. The analytical laboratory report is included as **Attachment A**. None of the groundwater samples collected from the monitoring wells MW-1 through MW-5 contained VOCs at concentrations exceeding the laboratory reporting limits. The groundwater samples collected from MW-1 and MW-2 contained lube oil-range petroleum hydrocarbons (TPH-O) at 0.24 milligrams per liter (mg/L) and 0.51 mg/L, respectively. The lube oil detection in the sample collected from MW-2 slightly exceeds the MTCA Method A Cleanup Level of 0.5 mg/L (500 micrograms per liter [$\mu\text{g/L}$]). Diesel-range organics were not detected in the samples collected from MW-1 and MW-2 at concentrations greater than the laboratory reporting limits.

Soil Sampling

Soils encountered during test pit excavations were generally silt or silty sand in the upper foot, which was characterized as fill material. Underlying the fill, the soil was generally bluish gray clay with varying amounts of fine sand near the bottom of the excavations at 6 feet bgs. Results of field screening and visual observations did not note any evidence for contamination. Groundwater was encountered at approximately 6 feet bgs at the bottom of each test pit excavation.

Based on CDM Smith's review of the laboratory results for soil samples, the laboratory followed their appropriate Quality Control/Quality Assurance (QA/QC) procedures, and the data are considered acceptable for use on this project. The analytical results of groundwater sampling are summarized in **Table 3**. The analytical laboratory report is included as **Attachment A**. Total petroleum hydrocarbons as diesel or lube oil-range organics were not detected in any of the soil samples at concentrations exceeding the laboratory reporting limits. Chlorinated solvents (PCE and related breakdown products) were not detected in any soil sample at concentrations exceeding the laboratory reporting limits. Acetone and 2-butanone are common laboratory contaminants and trace detections of these compounds present in the soil samples are not related to historical site activities and are considered insignificant.

Conclusions

Groundwater elevations ranged from 79.57 feet amsl in the southwestern portion of the site at MW-3 to 83.32 ft amsl with a southwesterly groundwater gradient. The analytical results of groundwater

Mr. Wei Yang, Xinghua Group, LTD

March 23, 2024

Page 4

sampling indicate that VOCs were not present at concentrations greater than the laboratory reporting limits in any of the groundwater samples collected from the monitoring wells MW-1 through MW-5. TPH-O was detected in the groundwater samples collected from MW-1 and MW-2. The result of 0.51 mg/L in the groundwater sample collected from MW-2 slightly exceeds the MTCA Method A cleanup level of 0.5 mg/L.

Soil samples conducted from two test pit excavations advanced to 6 ft bgs in the vicinity of MW-5, did not contain any contaminants of concern (total petroleum hydrocarbons and chlorinated VOCs) at concentrations exceeding the laboratory reporting limits. Additional characterization of soils in the area of the former dry cleaner will be conducted after demolition of the building and removal of the slab.

CDM Smith appreciates the opportunity to assist Xinghua Group, Ltd on this project. Please contact me at (425) 519-8352 with any questions.

Sincerely,



August Welch, LG, PMP
CDM Smith
425-519-8352



cc: Megan McKay, Johnston Architects
Ryan Healy and Marc Luedke, R. Miller Inc.
Winnie Lai, KPFF
Richard Martin, Richard Martin Groundwater
Ben Blanchette, Haley Aldrich
Duncan Medlin, Clearwater Services

Attachments:

Table 1 – Groundwater Elevations

Table 2 – Groundwater Analytical Results

Table 3 – Soil Analytical Results

Figure 1 – Site Plan with Sample Locations and Groundwater Elevation Contours

Attachment A – Analytical Laboratory Reports



Tables

Table 1
Groundwater Elevation Data
 Xinghua Group - Mercer Island 78th Ave
 Mercer Island, WA

Monitoring Well I.D.	TOC Elevation	Date Measured	Depth to Groundwater (ft below TOC)	Groundwater Elevation
MW-1	86.30	02/29/24	5.49	80.81
MW-2	80.94	02/29/24	1.01	79.93
MW-3	81.15	02/29/24	1.58	79.57
MW-4	89.91	02/29/24	6.59	83.32
MW-5	NE	02/29/24	1.21	--

Note:
 TOC - top of casing.
 NE - Not established

Table 2
Groundwater Analytical Results
Xinghua Group - Mercer Island 78th Ave
Mercer Island, Washington

Analyte	MTCA Method A Groundwater Cleanup Level ^a (µg/L)	Sample ID and Date Sampled				
		MW-1 2/29/2024	MW-2 2/29/2024	MW-3 2/29/2024	MW-4 2/29/2024	MW-5 2/29/2024
NWTPH-Gx (µg/L)						
Gasoline Range Organics	1,000/800 ^b	>100	>100	--	--	--
NWTPH-Dx (ug/L)						
Diesel Range Organics	500	>200	>200	--	--	--
Lube Oil	500	240	510	--	--	--
Selected Volatile Organic Compounds (µg/L)						
EPA 8260D						
Benzene	5	<0.20	<0.20	<0.20	<0.20	<0.20
Toluene	1,000	<1.0	<1.0	<1.0	<1.0	<1.0
Ethylbenzene	700	<0.20	<0.20	<0.20	<0.20	<0.20
m, p-Xylene	NE	<0.40	<0.40	<0.40	<0.40	<0.40
o-Xylene	NE	<0.20	<0.20	<0.20	<0.20	<0.20
Total Xylenes ^c	1,000 ^c	<0.60	<0.60	<0.60	<0.60	<0.60
PCE	5	<0.20	<0.20	<0.20	<0.20	<0.20
TCE	5	<0.20	<0.20	<0.20	<0.20	<0.20
cis-1,2-DCE	NE	<0.20	<0.20	<0.20	<0.20	<0.20
trans-1,2-DCE	NE	<0.20	<0.20	<0.20	<0.20	<0.20
Vinyl Chloride	0.2	<0.20	<0.20	<0.20	<0.20	<0.20

Notes:

Bolded values are detected analytes at the listed concentration.

Boxed values exceed the MTCA cleanup Level.

a) Washington State Department of Ecology Model Toxics Control Act (MTCA) Method A groundwater cleanup level, Chapter 173-340 WAC..

b) MTCA Method A Groundwater Cleanup Level for gasoline range organics is 1,000 µg/L for gasoline mixtures without benzene and 800 µg/L when benzene is present.

c) Total value and cleanup level for total xylenes is based on the sum of m, p-xylene and o-xylene.

< - analyte not detected at or greater than the listed concentration.

µg/L - micrograms per liter

NE - Not Established

Table 3
Soil Analytical Results
Xinghua Group - Mercer Island 78th Ave
Mercer Island, Washington

Analytical Method and Analyte	MTCA Method A Soil Cleanup Level ^a (mg/kg)	Sample ID (Boring ID and Depth in feet bgs) and Date Sampled					
		TP-1-1	TP-1-4	TP-1-6	TP-2-1	TP-2-3.5	TP-2-6
		3/8/2024	3/8/2024	3/8/2024	3/8/2024	3/8/2024	3/8/2024
NWTPH-Dx (mg/kg)							
Diesel Range Organics	2000	<33	<35	<35	<33	<35	<35
Lube Oil	2000	<66	<70	<69	<66	<70	<70
Selected Volatile Organic Compounds (mg/kg)							
EPA 8260D							
Acetone	NE	0.043	<0.013	<0.013	<0.0099	0.055	0.028
2-Butanone	NE	<0.0059	<0.0065	<0.0066	<0.0050	0.0081	<0.0070
Benzene	0.03	<0.0012	<0.0013	<0.0013	<0.00099	<0.0013	<0.0014
Toluene	7	<0.0059	<0.0065	<0.0066	<0.0050	<0.0065	<0.0070
Ethylbenzene	6	<0.0012	<0.0013	<0.0013	<0.00099	<0.0013	<0.0014
m, p-Xylene	NE	<0.0024	<0.0026	<0.0026	<0.0020	<0.0026	<0.0028
o-Xylene	NE	<0.0012	<0.0013	<0.0013	<0.00099	<0.0013	<0.0014
Total Xylenes ^c	9 ^c	<0.0036	<0.0039	<0.0039	<0.00299	<0.0039	<0.0042
PCE	0.05	<0.0012	<0.0013	<0.0013	<0.00099	<0.0013	<0.0014
TCE	0.03	<0.0012	<0.0013	<0.0013	<0.00099	<0.0013	<0.0014
cis-1,2-DCE	NE	<0.0012	<0.0013	<0.0013	<0.00099	<0.0013	<0.0014
trans-1,2-DCE	NE	<0.0012	<0.0013	<0.0013	<0.00099	<0.0013	<0.0014
Vinyl Chloride	NE	<0.0012	<0.0013	<0.0013	<0.0050	<0.0013	<0.0014

Notes:

Bolded values are detected analytes at the listed concentration.

Boxed values exceed the MTCA cleanup Level.

a) Washington State Department of Ecology Model Toxics Control Act (MTCA) Method A soil cleanup level for unrestricted land use, Chapter 173-340 WAC, Revised 2013.

b) 100 mg/kg when no benzene is present and the total of ethylbenzene, toluene and xylene are less than 1% of the gasoline mixture.
30 mg/kg for all other gasoline mixtures.

c) Total value and cleanup level for total xylenes is based on the sum of m, p-xylene and o-xylene.

< - analyte not detected at or greater than the listed concentration.

mg/kg - milligrams per kilogram

NE - Not Established



Figures

DOCUMENT PATH: E:\Projects\Mercer Island\GIS\MXD\Figure-2_SitePlan.mxd: 5/27/2021 10:09:47 PM;
CAD XREFS: ARSENIC-11X17BD, ARSENIC-SITEBASE, FIGURE 1 (PROPOSED BORINGS).



Legend

- Approximate Location of Former Dry Cleaner
- Site Boundary
- Parcel
- MW-1 Groundwater Monitoring Well
- 81.0 Groundwater Elevation Contour
- Groundwater Flow Direction

SOURCE: ESRI WORLD IMAGERY, 2020



2885 78TH AVENUE SOUTHEAST
MERCER ISLAND, WASHINGTON

Figure 1
Site Plan with Sample Locations and
Groundwater Elevation Contours



Attachment A – Laboratory Reports



14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

March 6, 2024

August Welch
CDM Smith, Inc.
14432 SE Eastgate Way, Suite 100
Bellevue, WA 98007-6493

Re: Analytical Data for Project Xing Hua Mercer Island
Laboratory Reference No. 2402-399

Dear August:

Enclosed are the analytical results and associated quality control data for samples submitted on February 29, 2024.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

A handwritten signature in black ink, appearing to read "DB", with a long horizontal flourish extending to the right.

David Baumeister
Project Manager

Enclosures



OnSite Environmental, Inc. 14648 NE 95th Street, Redmond, WA 98052 (425) 883-3881

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: March 6, 2024
Samples Submitted: February 29, 2024
Laboratory Reference: 2402-399
Project: Xing Hua Mercer Island

Case Narrative

Samples were collected on February 29, 2024 and received by the laboratory on February 29, 2024. They were maintained at the laboratory at a temperature of 2°C to 6°C.

Please note that any and all soil sample results are reported on a dry-weight basis, unless otherwise noted below. However the soil results for the QA/QC samples are reported on a wet-weight basis.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

Volatiles EPA 8260D Analysis

The percent recovery for (cis) 1,3-Dichloropropene is outside the control limits in the Spike Blank and Spike Blank Duplicate. The method allows for a percentage of the compounds to fall outside of the control limits due to the large number of analytes being spiked.

Any other QA/QC issues associated with this extraction and analysis will be indicated with a footnote reference and discussed in detail on the Data Qualifier page.



Date of Report: March 6, 2024
 Samples Submitted: February 29, 2024
 Laboratory Reference: 2402-399
 Project: Xing Hua Mercer Island

GASOLINE RANGE ORGANICS
NWTPH-Gx

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW-1-022924					
Laboratory ID:	02-399-01					
Gasoline	ND	100	NWTPH-Gx	3-1-24	3-1-24	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	77	65-122				
Client ID:	MW-2-022924					
Laboratory ID:	02-399-02					
Gasoline	ND	100	NWTPH-Gx	3-1-24	3-1-24	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	75	65-122				



Date of Report: March 6, 2024
 Samples Submitted: February 29, 2024
 Laboratory Reference: 2402-399
 Project: Xing Hua Mercer Island

**GASOLINE RANGE ORGANICS
 NWTPH-Gx
 QUALITY CONTROL**

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0301W1					
Gasoline	ND	100	NWTPH-Gx	3-1-24	3-1-24	
Surrogate:	Percent Recovery	Control Limits				
Fluorobenzene	76	65-122				

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	02-319-01							
	ORIG	DUP						
Gasoline	ND	ND	NA	NA	NA	NA	30	
Surrogate:								
Fluorobenzene				84	76	65-122		



Date of Report: March 6, 2024
 Samples Submitted: February 29, 2024
 Laboratory Reference: 2402-399
 Project: Xing Hua Mercer Island

DIESEL AND HEAVY OIL RANGE ORGANICS
NWTPH-Dx

Matrix: Water
 Units: mg/L (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW-1-022924					
Laboratory ID:	02-399-01					
Diesel Range Organics	ND	0.20	NWTPH-Dx	3-1-24	3-5-24	
Lube Oil	0.24	0.20	NWTPH-Dx	3-1-24	3-5-24	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	92	50-150				
Client ID:	MW-2-022924					
Laboratory ID:	02-399-02					
Diesel Range Organics	ND	0.21	NWTPH-Dx	3-1-24	3-1-24	
Lube Oil	0.51	0.21	NWTPH-Dx	3-1-24	3-1-24	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	81	50-150				



Date of Report: March 6, 2024
 Samples Submitted: February 29, 2024
 Laboratory Reference: 2402-399
 Project: Xing Hua Mercer Island

**DIESEL AND HEAVY OIL RANGE ORGANICS
 NWTPH-Dx
 QUALITY CONTROL**

Matrix: Water
 Units: mg/L (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0301W1					
Diesel Range Organics	ND	0.16	NWTPH-Dx	3-1-24	3-1-24	
Lube Oil Range Organics	ND	0.16	NWTPH-Dx	3-1-24	3-1-24	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	100	50-150				

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	02-371-01							
	ORIG	DUP						
Diesel Range Organics	0.128	0.123	NA	NA	NA	NA	4	40
Lube Oil	0.664	0.615	NA	NA	NA	NA	8	40
<i>Surrogate:</i>								
<i>o-Terphenyl</i>				91	89	50-150		



Date of Report: March 6, 2024
 Samples Submitted: February 29, 2024
 Laboratory Reference: 2402-399
 Project: Xing Hua Mercer Island

VOLATILE ORGANICS EPA 8260D

page 1 of 2

Matrix: Water

Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID: MW-1-022924						
Laboratory ID: 02-399-01						
Dichlorodifluoromethane	ND	0.20	EPA 8260D	3-4-24	3-4-24	
Chloromethane	ND	1.0	EPA 8260D	3-4-24	3-4-24	
Vinyl Chloride	ND	0.20	EPA 8260D	3-4-24	3-4-24	
Bromomethane	ND	1.0	EPA 8260D	3-4-24	3-4-24	
Chloroethane	ND	1.0	EPA 8260D	3-4-24	3-4-24	
Trichlorofluoromethane	ND	0.20	EPA 8260D	3-4-24	3-4-24	
1,1-Dichloroethene	ND	0.20	EPA 8260D	3-4-24	3-4-24	
Acetone	ND	5.0	EPA 8260D	3-4-24	3-4-24	
Iodomethane	ND	1.5	EPA 8260D	3-4-24	3-4-24	
Carbon Disulfide	ND	0.20	EPA 8260D	3-4-24	3-4-24	
Methylene Chloride	ND	1.0	EPA 8260D	3-4-24	3-4-24	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260D	3-4-24	3-4-24	
Methyl t-Butyl Ether	ND	0.20	EPA 8260D	3-4-24	3-4-24	
1,1-Dichloroethane	ND	0.20	EPA 8260D	3-4-24	3-4-24	
Vinyl Acetate	ND	1.0	EPA 8260D	3-4-24	3-4-24	
2,2-Dichloropropane	ND	0.20	EPA 8260D	3-4-24	3-4-24	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260D	3-4-24	3-4-24	
2-Butanone	ND	5.0	EPA 8260D	3-4-24	3-4-24	
Bromochloromethane	ND	0.20	EPA 8260D	3-4-24	3-4-24	
Chloroform	ND	0.20	EPA 8260D	3-4-24	3-4-24	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	3-4-24	3-4-24	
Carbon Tetrachloride	ND	0.20	EPA 8260D	3-4-24	3-4-24	
1,1-Dichloropropene	ND	0.20	EPA 8260D	3-4-24	3-4-24	
Benzene	ND	0.20	EPA 8260D	3-4-24	3-4-24	
1,2-Dichloroethane	ND	0.20	EPA 8260D	3-4-24	3-4-24	
Trichloroethene	ND	0.20	EPA 8260D	3-4-24	3-4-24	
1,2-Dichloropropane	ND	0.20	EPA 8260D	3-4-24	3-4-24	
Dibromomethane	ND	0.20	EPA 8260D	3-4-24	3-4-24	
Bromodichloromethane	ND	0.20	EPA 8260D	3-4-24	3-4-24	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	3-4-24	3-4-24	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260D	3-4-24	3-4-24	
Toluene	ND	1.0	EPA 8260D	3-4-24	3-4-24	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	3-4-24	3-4-24	



OnSite Environmental, Inc. 14648 NE 95th Street, Redmond, WA 98052 (425) 883-3881

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: March 6, 2024
 Samples Submitted: February 29, 2024
 Laboratory Reference: 2402-399
 Project: Xing Hua Mercer Island

VOLATILE ORGANICS EPA 8260D

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:		MW-1-022924				
Laboratory ID:		02-399-01				
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	3-4-24	3-4-24	
Tetrachloroethene	ND	0.20	EPA 8260D	3-4-24	3-4-24	
1,3-Dichloropropane	ND	0.20	EPA 8260D	3-4-24	3-4-24	
2-Hexanone	ND	2.0	EPA 8260D	3-4-24	3-4-24	
Dibromochloromethane	ND	0.20	EPA 8260D	3-4-24	3-4-24	
1,2-Dibromoethane	ND	0.20	EPA 8260D	3-4-24	3-4-24	
Chlorobenzene	ND	0.20	EPA 8260D	3-4-24	3-4-24	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	3-4-24	3-4-24	
Ethylbenzene	ND	0.20	EPA 8260D	3-4-24	3-4-24	
m,p-Xylene	ND	0.40	EPA 8260D	3-4-24	3-4-24	
o-Xylene	ND	0.20	EPA 8260D	3-4-24	3-4-24	
Styrene	ND	0.20	EPA 8260D	3-4-24	3-4-24	
Bromoform	ND	1.0	EPA 8260D	3-4-24	3-4-24	
Isopropylbenzene	ND	0.20	EPA 8260D	3-4-24	3-4-24	
Bromobenzene	ND	0.20	EPA 8260D	3-4-24	3-4-24	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	3-4-24	3-4-24	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	3-4-24	3-4-24	
n-Propylbenzene	ND	0.20	EPA 8260D	3-4-24	3-4-24	
2-Chlorotoluene	ND	0.20	EPA 8260D	3-4-24	3-4-24	
4-Chlorotoluene	ND	0.20	EPA 8260D	3-4-24	3-4-24	
1,3,5-Trimethylbenzene	ND	0.20	EPA 8260D	3-4-24	3-4-24	
tert-Butylbenzene	ND	0.20	EPA 8260D	3-4-24	3-4-24	
1,2,4-Trimethylbenzene	ND	0.20	EPA 8260D	3-4-24	3-4-24	
sec-Butylbenzene	ND	0.20	EPA 8260D	3-4-24	3-4-24	
1,3-Dichlorobenzene	ND	0.20	EPA 8260D	3-4-24	3-4-24	
p-Isopropyltoluene	ND	0.20	EPA 8260D	3-4-24	3-4-24	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	3-4-24	3-4-24	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	3-4-24	3-4-24	
n-Butylbenzene	ND	0.20	EPA 8260D	3-4-24	3-4-24	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260D	3-4-24	3-4-24	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260D	3-4-24	3-4-24	
Hexachlorobutadiene	ND	1.0	EPA 8260D	3-4-24	3-4-24	
Naphthalene	ND	1.0	EPA 8260D	3-4-24	3-4-24	
1,2,3-Trichlorobenzene	ND	1.0	EPA 8260D	3-4-24	3-4-24	
Surrogate:						
	<i>Percent Recovery</i>	<i>Control Limits</i>				
Dibromofluoromethane	91	75-127				
Toluene-d8	98	80-127				
4-Bromofluorobenzene	94	78-125				



OnSite Environmental, Inc. 14648 NE 95th Street, Redmond, WA 98052 (425) 883-3881

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Date of Report: March 6, 2024
 Samples Submitted: February 29, 2024
 Laboratory Reference: 2402-399
 Project: Xing Hua Mercer Island

VOLATILE ORGANICS EPA 8260D

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Matrix: Water

Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW-2-022924					
Laboratory ID:	02-399-02					
Dichlorodifluoromethane	ND	0.20	EPA 8260D	3-4-24	3-4-24	
Chloromethane	ND	1.0	EPA 8260D	3-4-24	3-4-24	
Vinyl Chloride	ND	0.20	EPA 8260D	3-4-24	3-4-24	
Bromomethane	ND	1.0	EPA 8260D	3-4-24	3-4-24	
Chloroethane	ND	1.0	EPA 8260D	3-4-24	3-4-24	
Trichlorofluoromethane	ND	0.20	EPA 8260D	3-4-24	3-4-24	
1,1-Dichloroethene	ND	0.20	EPA 8260D	3-4-24	3-4-24	
Acetone	ND	5.0	EPA 8260D	3-4-24	3-4-24	
Iodomethane	ND	1.5	EPA 8260D	3-4-24	3-4-24	
Carbon Disulfide	ND	0.20	EPA 8260D	3-4-24	3-4-24	
Methylene Chloride	ND	1.0	EPA 8260D	3-4-24	3-4-24	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260D	3-4-24	3-4-24	
Methyl t-Butyl Ether	ND	0.20	EPA 8260D	3-4-24	3-4-24	
1,1-Dichloroethane	ND	0.20	EPA 8260D	3-4-24	3-4-24	
Vinyl Acetate	ND	1.0	EPA 8260D	3-4-24	3-4-24	
2,2-Dichloropropane	ND	0.20	EPA 8260D	3-4-24	3-4-24	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260D	3-4-24	3-4-24	
2-Butanone	ND	5.0	EPA 8260D	3-4-24	3-4-24	
Bromochloromethane	ND	0.20	EPA 8260D	3-4-24	3-4-24	
Chloroform	ND	0.20	EPA 8260D	3-4-24	3-4-24	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	3-4-24	3-4-24	
Carbon Tetrachloride	ND	0.20	EPA 8260D	3-4-24	3-4-24	
1,1-Dichloropropene	ND	0.20	EPA 8260D	3-4-24	3-4-24	
Benzene	ND	0.20	EPA 8260D	3-4-24	3-4-24	
1,2-Dichloroethane	ND	0.20	EPA 8260D	3-4-24	3-4-24	
Trichloroethene	ND	0.20	EPA 8260D	3-4-24	3-4-24	
1,2-Dichloropropane	ND	0.20	EPA 8260D	3-4-24	3-4-24	
Dibromomethane	ND	0.20	EPA 8260D	3-4-24	3-4-24	
Bromodichloromethane	ND	0.20	EPA 8260D	3-4-24	3-4-24	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	3-4-24	3-4-24	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260D	3-4-24	3-4-24	
Toluene	ND	1.0	EPA 8260D	3-4-24	3-4-24	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	3-4-24	3-4-24	



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Date of Report: March 6, 2024
 Samples Submitted: February 29, 2024
 Laboratory Reference: 2402-399
 Project: Xing Hua Mercer Island

VOLATILE ORGANICS EPA 8260D

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW-2-022924					
Laboratory ID:	02-399-02					
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	3-4-24	3-4-24	
Tetrachloroethene	ND	0.20	EPA 8260D	3-4-24	3-4-24	
1,3-Dichloropropane	ND	0.20	EPA 8260D	3-4-24	3-4-24	
2-Hexanone	ND	2.0	EPA 8260D	3-4-24	3-4-24	
Dibromochloromethane	ND	0.20	EPA 8260D	3-4-24	3-4-24	
1,2-Dibromoethane	ND	0.20	EPA 8260D	3-4-24	3-4-24	
Chlorobenzene	ND	0.20	EPA 8260D	3-4-24	3-4-24	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	3-4-24	3-4-24	
Ethylbenzene	ND	0.20	EPA 8260D	3-4-24	3-4-24	
m,p-Xylene	ND	0.40	EPA 8260D	3-4-24	3-4-24	
o-Xylene	ND	0.20	EPA 8260D	3-4-24	3-4-24	
Styrene	ND	0.20	EPA 8260D	3-4-24	3-4-24	
Bromoform	ND	1.0	EPA 8260D	3-4-24	3-4-24	
Isopropylbenzene	ND	0.20	EPA 8260D	3-4-24	3-4-24	
Bromobenzene	ND	0.20	EPA 8260D	3-4-24	3-4-24	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	3-4-24	3-4-24	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	3-4-24	3-4-24	
n-Propylbenzene	ND	0.20	EPA 8260D	3-4-24	3-4-24	
2-Chlorotoluene	ND	0.20	EPA 8260D	3-4-24	3-4-24	
4-Chlorotoluene	ND	0.20	EPA 8260D	3-4-24	3-4-24	
1,3,5-Trimethylbenzene	ND	0.20	EPA 8260D	3-4-24	3-4-24	
tert-Butylbenzene	ND	0.20	EPA 8260D	3-4-24	3-4-24	
1,2,4-Trimethylbenzene	ND	0.20	EPA 8260D	3-4-24	3-4-24	
sec-Butylbenzene	ND	0.20	EPA 8260D	3-4-24	3-4-24	
1,3-Dichlorobenzene	ND	0.20	EPA 8260D	3-4-24	3-4-24	
p-Isopropyltoluene	ND	0.20	EPA 8260D	3-4-24	3-4-24	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	3-4-24	3-4-24	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	3-4-24	3-4-24	
n-Butylbenzene	ND	0.20	EPA 8260D	3-4-24	3-4-24	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260D	3-4-24	3-4-24	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260D	3-4-24	3-4-24	
Hexachlorobutadiene	ND	1.0	EPA 8260D	3-4-24	3-4-24	
Naphthalene	ND	1.0	EPA 8260D	3-4-24	3-4-24	
1,2,3-Trichlorobenzene	ND	1.0	EPA 8260D	3-4-24	3-4-24	
Surrogate:	Percent Recovery	Control Limits				
Dibromofluoromethane	91	75-127				
Toluene-d8	100	80-127				
4-Bromofluorobenzene	96	78-125				



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Date of Report: March 6, 2024
 Samples Submitted: February 29, 2024
 Laboratory Reference: 2402-399
 Project: Xing Hua Mercer Island

VOLATILE ORGANICS EPA 8260D

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Matrix: Water

Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID: MW-3-022924						
Laboratory ID: 02-399-03						
Dichlorodifluoromethane	ND	0.20	EPA 8260D	3-4-24	3-4-24	
Chloromethane	ND	1.0	EPA 8260D	3-4-24	3-4-24	
Vinyl Chloride	ND	0.20	EPA 8260D	3-4-24	3-4-24	
Bromomethane	ND	1.0	EPA 8260D	3-4-24	3-4-24	
Chloroethane	ND	1.0	EPA 8260D	3-4-24	3-4-24	
Trichlorofluoromethane	ND	0.20	EPA 8260D	3-4-24	3-4-24	
1,1-Dichloroethene	ND	0.20	EPA 8260D	3-4-24	3-4-24	
Acetone	ND	5.0	EPA 8260D	3-4-24	3-4-24	
Iodomethane	ND	1.5	EPA 8260D	3-4-24	3-4-24	
Carbon Disulfide	ND	0.20	EPA 8260D	3-4-24	3-4-24	
Methylene Chloride	ND	1.0	EPA 8260D	3-4-24	3-4-24	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260D	3-4-24	3-4-24	
Methyl t-Butyl Ether	ND	0.20	EPA 8260D	3-4-24	3-4-24	
1,1-Dichloroethane	ND	0.20	EPA 8260D	3-4-24	3-4-24	
Vinyl Acetate	ND	1.0	EPA 8260D	3-4-24	3-4-24	
2,2-Dichloropropane	ND	0.20	EPA 8260D	3-4-24	3-4-24	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260D	3-4-24	3-4-24	
2-Butanone	ND	5.0	EPA 8260D	3-4-24	3-4-24	
Bromochloromethane	ND	0.20	EPA 8260D	3-4-24	3-4-24	
Chloroform	ND	0.20	EPA 8260D	3-4-24	3-4-24	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	3-4-24	3-4-24	
Carbon Tetrachloride	ND	0.20	EPA 8260D	3-4-24	3-4-24	
1,1-Dichloropropene	ND	0.20	EPA 8260D	3-4-24	3-4-24	
Benzene	ND	0.20	EPA 8260D	3-4-24	3-4-24	
1,2-Dichloroethane	ND	0.20	EPA 8260D	3-4-24	3-4-24	
Trichloroethene	ND	0.20	EPA 8260D	3-4-24	3-4-24	
1,2-Dichloropropane	ND	0.20	EPA 8260D	3-4-24	3-4-24	
Dibromomethane	ND	0.20	EPA 8260D	3-4-24	3-4-24	
Bromodichloromethane	ND	0.20	EPA 8260D	3-4-24	3-4-24	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	3-4-24	3-4-24	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260D	3-4-24	3-4-24	
Toluene	ND	1.0	EPA 8260D	3-4-24	3-4-24	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	3-4-24	3-4-24	



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Date of Report: March 6, 2024
 Samples Submitted: February 29, 2024
 Laboratory Reference: 2402-399
 Project: Xing Hua Mercer Island

VOLATILE ORGANICS EPA 8260D

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:		MW-3-022924				
Laboratory ID:		02-399-03				
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	3-4-24	3-4-24	
Tetrachloroethene	ND	0.20	EPA 8260D	3-4-24	3-4-24	
1,3-Dichloropropane	ND	0.20	EPA 8260D	3-4-24	3-4-24	
2-Hexanone	ND	2.0	EPA 8260D	3-4-24	3-4-24	
Dibromochloromethane	ND	0.20	EPA 8260D	3-4-24	3-4-24	
1,2-Dibromoethane	ND	0.20	EPA 8260D	3-4-24	3-4-24	
Chlorobenzene	ND	0.20	EPA 8260D	3-4-24	3-4-24	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	3-4-24	3-4-24	
Ethylbenzene	ND	0.20	EPA 8260D	3-4-24	3-4-24	
m,p-Xylene	ND	0.40	EPA 8260D	3-4-24	3-4-24	
o-Xylene	ND	0.20	EPA 8260D	3-4-24	3-4-24	
Styrene	ND	0.20	EPA 8260D	3-4-24	3-4-24	
Bromoform	ND	1.0	EPA 8260D	3-4-24	3-4-24	
Isopropylbenzene	ND	0.20	EPA 8260D	3-4-24	3-4-24	
Bromobenzene	ND	0.20	EPA 8260D	3-4-24	3-4-24	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	3-4-24	3-4-24	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	3-4-24	3-4-24	
n-Propylbenzene	ND	0.20	EPA 8260D	3-4-24	3-4-24	
2-Chlorotoluene	ND	0.20	EPA 8260D	3-4-24	3-4-24	
4-Chlorotoluene	ND	0.20	EPA 8260D	3-4-24	3-4-24	
1,3,5-Trimethylbenzene	ND	0.20	EPA 8260D	3-4-24	3-4-24	
tert-Butylbenzene	ND	0.20	EPA 8260D	3-4-24	3-4-24	
1,2,4-Trimethylbenzene	ND	0.20	EPA 8260D	3-4-24	3-4-24	
sec-Butylbenzene	ND	0.20	EPA 8260D	3-4-24	3-4-24	
1,3-Dichlorobenzene	ND	0.20	EPA 8260D	3-4-24	3-4-24	
p-Isopropyltoluene	ND	0.20	EPA 8260D	3-4-24	3-4-24	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	3-4-24	3-4-24	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	3-4-24	3-4-24	
n-Butylbenzene	ND	0.20	EPA 8260D	3-4-24	3-4-24	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260D	3-4-24	3-4-24	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260D	3-4-24	3-4-24	
Hexachlorobutadiene	ND	1.0	EPA 8260D	3-4-24	3-4-24	
Naphthalene	ND	1.0	EPA 8260D	3-4-24	3-4-24	
1,2,3-Trichlorobenzene	ND	1.0	EPA 8260D	3-4-24	3-4-24	
Surrogate:						
	<i>Percent Recovery</i>	<i>Control Limits</i>				
Dibromofluoromethane	91	75-127				
Toluene-d8	99	80-127				
4-Bromofluorobenzene	96	78-125				



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Date of Report: March 6, 2024
 Samples Submitted: February 29, 2024
 Laboratory Reference: 2402-399
 Project: Xing Hua Mercer Island

VOLATILE ORGANICS EPA 8260D

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Matrix: Water

Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW-4-022924					
Laboratory ID:	02-399-04					
Dichlorodifluoromethane	ND	0.20	EPA 8260D	3-4-24	3-4-24	
Chloromethane	ND	1.0	EPA 8260D	3-4-24	3-4-24	
Vinyl Chloride	ND	0.20	EPA 8260D	3-4-24	3-4-24	
Bromomethane	ND	1.0	EPA 8260D	3-4-24	3-4-24	
Chloroethane	ND	1.0	EPA 8260D	3-4-24	3-4-24	
Trichlorofluoromethane	ND	0.20	EPA 8260D	3-4-24	3-4-24	
1,1-Dichloroethene	ND	0.20	EPA 8260D	3-4-24	3-4-24	
Acetone	ND	5.0	EPA 8260D	3-4-24	3-4-24	
Iodomethane	ND	1.5	EPA 8260D	3-4-24	3-4-24	
Carbon Disulfide	ND	0.20	EPA 8260D	3-4-24	3-4-24	
Methylene Chloride	ND	1.0	EPA 8260D	3-4-24	3-4-24	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260D	3-4-24	3-4-24	
Methyl t-Butyl Ether	ND	0.20	EPA 8260D	3-4-24	3-4-24	
1,1-Dichloroethane	ND	0.20	EPA 8260D	3-4-24	3-4-24	
Vinyl Acetate	ND	1.0	EPA 8260D	3-4-24	3-4-24	
2,2-Dichloropropane	ND	0.20	EPA 8260D	3-4-24	3-4-24	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260D	3-4-24	3-4-24	
2-Butanone	ND	5.0	EPA 8260D	3-4-24	3-4-24	
Bromochloromethane	ND	0.20	EPA 8260D	3-4-24	3-4-24	
Chloroform	ND	0.20	EPA 8260D	3-4-24	3-4-24	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	3-4-24	3-4-24	
Carbon Tetrachloride	ND	0.20	EPA 8260D	3-4-24	3-4-24	
1,1-Dichloropropene	ND	0.20	EPA 8260D	3-4-24	3-4-24	
Benzene	ND	0.20	EPA 8260D	3-4-24	3-4-24	
1,2-Dichloroethane	ND	0.20	EPA 8260D	3-4-24	3-4-24	
Trichloroethene	ND	0.20	EPA 8260D	3-4-24	3-4-24	
1,2-Dichloropropane	ND	0.20	EPA 8260D	3-4-24	3-4-24	
Dibromomethane	ND	0.20	EPA 8260D	3-4-24	3-4-24	
Bromodichloromethane	ND	0.20	EPA 8260D	3-4-24	3-4-24	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	3-4-24	3-4-24	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260D	3-4-24	3-4-24	
Toluene	ND	1.0	EPA 8260D	3-4-24	3-4-24	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	3-4-24	3-4-24	



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 Laboratory Reference: 2402-399
 Project: Xing Hua Mercer Island

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:		MW-4-022924				
Laboratory ID:		02-399-04				
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	3-4-24	3-4-24	
Tetrachloroethene	ND	0.20	EPA 8260D	3-4-24	3-4-24	
1,3-Dichloropropane	ND	0.20	EPA 8260D	3-4-24	3-4-24	
2-Hexanone	ND	2.0	EPA 8260D	3-4-24	3-4-24	
Dibromochloromethane	ND	0.20	EPA 8260D	3-4-24	3-4-24	
1,2-Dibromoethane	ND	0.20	EPA 8260D	3-4-24	3-4-24	
Chlorobenzene	ND	0.20	EPA 8260D	3-4-24	3-4-24	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	3-4-24	3-4-24	
Ethylbenzene	ND	0.20	EPA 8260D	3-4-24	3-4-24	
m,p-Xylene	ND	0.40	EPA 8260D	3-4-24	3-4-24	
o-Xylene	ND	0.20	EPA 8260D	3-4-24	3-4-24	
Styrene	ND	0.20	EPA 8260D	3-4-24	3-4-24	
Bromoform	ND	1.0	EPA 8260D	3-4-24	3-4-24	
Isopropylbenzene	ND	0.20	EPA 8260D	3-4-24	3-4-24	
Bromobenzene	ND	0.20	EPA 8260D	3-4-24	3-4-24	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	3-4-24	3-4-24	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	3-4-24	3-4-24	
n-Propylbenzene	ND	0.20	EPA 8260D	3-4-24	3-4-24	
2-Chlorotoluene	ND	0.20	EPA 8260D	3-4-24	3-4-24	
4-Chlorotoluene	ND	0.20	EPA 8260D	3-4-24	3-4-24	
1,3,5-Trimethylbenzene	ND	0.20	EPA 8260D	3-4-24	3-4-24	
tert-Butylbenzene	ND	0.20	EPA 8260D	3-4-24	3-4-24	
1,2,4-Trimethylbenzene	ND	0.20	EPA 8260D	3-4-24	3-4-24	
sec-Butylbenzene	ND	0.20	EPA 8260D	3-4-24	3-4-24	
1,3-Dichlorobenzene	ND	0.20	EPA 8260D	3-4-24	3-4-24	
p-Isopropyltoluene	ND	0.20	EPA 8260D	3-4-24	3-4-24	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	3-4-24	3-4-24	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	3-4-24	3-4-24	
n-Butylbenzene	ND	0.20	EPA 8260D	3-4-24	3-4-24	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260D	3-4-24	3-4-24	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260D	3-4-24	3-4-24	
Hexachlorobutadiene	ND	1.0	EPA 8260D	3-4-24	3-4-24	
Naphthalene	ND	1.0	EPA 8260D	3-4-24	3-4-24	
1,2,3-Trichlorobenzene	ND	1.0	EPA 8260D	3-4-24	3-4-24	
Surrogate:						
	<i>Percent Recovery</i>	<i>Control Limits</i>				
Dibromofluoromethane	89	75-127				
Toluene-d8	98	80-127				
4-Bromofluorobenzene	96	78-125				



OnSite Environmental, Inc. 14648 NE 95th Street, Redmond, WA 98052 (425) 883-3881

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Date of Report: March 6, 2024
 Samples Submitted: February 29, 2024
 Laboratory Reference: 2402-399
 Project: Xing Hua Mercer Island

VOLATILE ORGANICS EPA 8260D

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Matrix: Water

Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:		MW-5-022924				
Laboratory ID:		02-399-05				
Dichlorodifluoromethane	ND	0.20	EPA 8260D	3-4-24	3-4-24	
Chloromethane	ND	1.0	EPA 8260D	3-4-24	3-4-24	
Vinyl Chloride	ND	0.20	EPA 8260D	3-4-24	3-4-24	
Bromomethane	ND	1.0	EPA 8260D	3-4-24	3-4-24	
Chloroethane	ND	1.0	EPA 8260D	3-4-24	3-4-24	
Trichlorofluoromethane	ND	0.20	EPA 8260D	3-4-24	3-4-24	
1,1-Dichloroethene	ND	0.20	EPA 8260D	3-4-24	3-4-24	
Acetone	ND	5.0	EPA 8260D	3-4-24	3-4-24	
Iodomethane	ND	1.5	EPA 8260D	3-4-24	3-4-24	
Carbon Disulfide	ND	0.20	EPA 8260D	3-4-24	3-4-24	
Methylene Chloride	ND	1.0	EPA 8260D	3-4-24	3-4-24	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260D	3-4-24	3-4-24	
Methyl t-Butyl Ether	ND	0.20	EPA 8260D	3-4-24	3-4-24	
1,1-Dichloroethane	ND	0.20	EPA 8260D	3-4-24	3-4-24	
Vinyl Acetate	ND	1.0	EPA 8260D	3-4-24	3-4-24	
2,2-Dichloropropane	ND	0.20	EPA 8260D	3-4-24	3-4-24	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260D	3-4-24	3-4-24	
2-Butanone	ND	5.0	EPA 8260D	3-4-24	3-4-24	
Bromochloromethane	ND	0.20	EPA 8260D	3-4-24	3-4-24	
Chloroform	ND	0.20	EPA 8260D	3-4-24	3-4-24	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	3-4-24	3-4-24	
Carbon Tetrachloride	ND	0.20	EPA 8260D	3-4-24	3-4-24	
1,1-Dichloropropene	ND	0.20	EPA 8260D	3-4-24	3-4-24	
Benzene	ND	0.20	EPA 8260D	3-4-24	3-4-24	
1,2-Dichloroethane	ND	0.20	EPA 8260D	3-4-24	3-4-24	
Trichloroethene	ND	0.20	EPA 8260D	3-4-24	3-4-24	
1,2-Dichloropropane	ND	0.20	EPA 8260D	3-4-24	3-4-24	
Dibromomethane	ND	0.20	EPA 8260D	3-4-24	3-4-24	
Bromodichloromethane	ND	0.20	EPA 8260D	3-4-24	3-4-24	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	3-4-24	3-4-24	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260D	3-4-24	3-4-24	
Toluene	ND	1.0	EPA 8260D	3-4-24	3-4-24	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	3-4-24	3-4-24	



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 Samples Submitted: February 29, 2024
 Laboratory Reference: 2402-399
 Project: Xing Hua Mercer Island

VOLATILE ORGANICS EPA 8260D

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:		MW-5-022924				
Laboratory ID:		02-399-05				
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	3-4-24	3-4-24	
Tetrachloroethene	ND	0.20	EPA 8260D	3-4-24	3-4-24	
1,3-Dichloropropane	ND	0.20	EPA 8260D	3-4-24	3-4-24	
2-Hexanone	ND	2.0	EPA 8260D	3-4-24	3-4-24	
Dibromochloromethane	ND	0.20	EPA 8260D	3-4-24	3-4-24	
1,2-Dibromoethane	ND	0.20	EPA 8260D	3-4-24	3-4-24	
Chlorobenzene	ND	0.20	EPA 8260D	3-4-24	3-4-24	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	3-4-24	3-4-24	
Ethylbenzene	ND	0.20	EPA 8260D	3-4-24	3-4-24	
m,p-Xylene	ND	0.40	EPA 8260D	3-4-24	3-4-24	
o-Xylene	ND	0.20	EPA 8260D	3-4-24	3-4-24	
Styrene	ND	0.20	EPA 8260D	3-4-24	3-4-24	
Bromoform	ND	1.0	EPA 8260D	3-4-24	3-4-24	
Isopropylbenzene	ND	0.20	EPA 8260D	3-4-24	3-4-24	
Bromobenzene	ND	0.20	EPA 8260D	3-4-24	3-4-24	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	3-4-24	3-4-24	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	3-4-24	3-4-24	
n-Propylbenzene	ND	0.20	EPA 8260D	3-4-24	3-4-24	
2-Chlorotoluene	ND	0.20	EPA 8260D	3-4-24	3-4-24	
4-Chlorotoluene	ND	0.20	EPA 8260D	3-4-24	3-4-24	
1,3,5-Trimethylbenzene	ND	0.20	EPA 8260D	3-4-24	3-4-24	
tert-Butylbenzene	ND	0.20	EPA 8260D	3-4-24	3-4-24	
1,2,4-Trimethylbenzene	ND	0.20	EPA 8260D	3-4-24	3-4-24	
sec-Butylbenzene	ND	0.20	EPA 8260D	3-4-24	3-4-24	
1,3-Dichlorobenzene	ND	0.20	EPA 8260D	3-4-24	3-4-24	
p-Isopropyltoluene	ND	0.20	EPA 8260D	3-4-24	3-4-24	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	3-4-24	3-4-24	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	3-4-24	3-4-24	
n-Butylbenzene	ND	0.20	EPA 8260D	3-4-24	3-4-24	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260D	3-4-24	3-4-24	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260D	3-4-24	3-4-24	
Hexachlorobutadiene	ND	1.0	EPA 8260D	3-4-24	3-4-24	
Naphthalene	ND	1.0	EPA 8260D	3-4-24	3-4-24	
1,2,3-Trichlorobenzene	ND	1.0	EPA 8260D	3-4-24	3-4-24	
Surrogate:						
	<i>Percent Recovery</i>	<i>Control Limits</i>				
Dibromofluoromethane	86	75-127				
Toluene-d8	99	80-127				
4-Bromofluorobenzene	95	78-125				



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Date of Report: March 6, 2024
 Samples Submitted: February 29, 2024
 Laboratory Reference: 2402-399
 Project: Xing Hua Mercer Island

VOLATILE ORGANICS EPA 8260D
QUALITY CONTROL
 page 1 of 2

Matrix: Water
 Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0304W1					
Dichlorodifluoromethane	ND	0.20	EPA 8260D	3-4-24	3-4-24	
Chloromethane	ND	1.0	EPA 8260D	3-4-24	3-4-24	
Vinyl Chloride	ND	0.20	EPA 8260D	3-4-24	3-4-24	
Bromomethane	ND	1.0	EPA 8260D	3-4-24	3-4-24	
Chloroethane	ND	1.0	EPA 8260D	3-4-24	3-4-24	
Trichlorofluoromethane	ND	0.20	EPA 8260D	3-4-24	3-4-24	
1,1-Dichloroethene	ND	0.20	EPA 8260D	3-4-24	3-4-24	
Acetone	ND	5.0	EPA 8260D	3-4-24	3-4-24	
Iodomethane	ND	1.5	EPA 8260D	3-4-24	3-4-24	
Carbon Disulfide	ND	0.20	EPA 8260D	3-4-24	3-4-24	
Methylene Chloride	ND	1.0	EPA 8260D	3-4-24	3-4-24	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260D	3-4-24	3-4-24	
Methyl t-Butyl Ether	ND	0.20	EPA 8260D	3-4-24	3-4-24	
1,1-Dichloroethane	ND	0.20	EPA 8260D	3-4-24	3-4-24	
Vinyl Acetate	ND	1.0	EPA 8260D	3-4-24	3-4-24	
2,2-Dichloropropane	ND	0.20	EPA 8260D	3-4-24	3-4-24	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260D	3-4-24	3-4-24	
2-Butanone	ND	5.0	EPA 8260D	3-4-24	3-4-24	
Bromochloromethane	ND	0.20	EPA 8260D	3-4-24	3-4-24	
Chloroform	ND	0.20	EPA 8260D	3-4-24	3-4-24	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	3-4-24	3-4-24	
Carbon Tetrachloride	ND	0.20	EPA 8260D	3-4-24	3-4-24	
1,1-Dichloropropene	ND	0.20	EPA 8260D	3-4-24	3-4-24	
Benzene	ND	0.20	EPA 8260D	3-4-24	3-4-24	
1,2-Dichloroethane	ND	0.20	EPA 8260D	3-4-24	3-4-24	
Trichloroethene	ND	0.20	EPA 8260D	3-4-24	3-4-24	
1,2-Dichloropropane	ND	0.20	EPA 8260D	3-4-24	3-4-24	
Dibromomethane	ND	0.20	EPA 8260D	3-4-24	3-4-24	
Bromodichloromethane	ND	0.20	EPA 8260D	3-4-24	3-4-24	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	3-4-24	3-4-24	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260D	3-4-24	3-4-24	
Toluene	ND	1.0	EPA 8260D	3-4-24	3-4-24	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	3-4-24	3-4-24	



Date of Report: March 6, 2024
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 Laboratory Reference: 2402-399
 Project: Xing Hua Mercer Island

**VOLATILE ORGANICS EPA 8260D
 QUALITY CONTROL**

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0304W1					
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	3-4-24	3-4-24	
Tetrachloroethene	ND	0.20	EPA 8260D	3-4-24	3-4-24	
1,3-Dichloropropane	ND	0.20	EPA 8260D	3-4-24	3-4-24	
2-Hexanone	ND	2.0	EPA 8260D	3-4-24	3-4-24	
Dibromochloromethane	ND	0.20	EPA 8260D	3-4-24	3-4-24	
1,2-Dibromoethane	ND	0.20	EPA 8260D	3-4-24	3-4-24	
Chlorobenzene	ND	0.20	EPA 8260D	3-4-24	3-4-24	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	3-4-24	3-4-24	
Ethylbenzene	ND	0.20	EPA 8260D	3-4-24	3-4-24	
m,p-Xylene	ND	0.40	EPA 8260D	3-4-24	3-4-24	
o-Xylene	ND	0.20	EPA 8260D	3-4-24	3-4-24	
Styrene	ND	0.20	EPA 8260D	3-4-24	3-4-24	
Bromoform	ND	1.0	EPA 8260D	3-4-24	3-4-24	
Isopropylbenzene	ND	0.20	EPA 8260D	3-4-24	3-4-24	
Bromobenzene	ND	0.20	EPA 8260D	3-4-24	3-4-24	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	3-4-24	3-4-24	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	3-4-24	3-4-24	
n-Propylbenzene	ND	0.20	EPA 8260D	3-4-24	3-4-24	
2-Chlorotoluene	ND	0.20	EPA 8260D	3-4-24	3-4-24	
4-Chlorotoluene	ND	0.20	EPA 8260D	3-4-24	3-4-24	
1,3,5-Trimethylbenzene	ND	0.20	EPA 8260D	3-4-24	3-4-24	
tert-Butylbenzene	ND	0.20	EPA 8260D	3-4-24	3-4-24	
1,2,4-Trimethylbenzene	ND	0.20	EPA 8260D	3-4-24	3-4-24	
sec-Butylbenzene	ND	0.20	EPA 8260D	3-4-24	3-4-24	
1,3-Dichlorobenzene	ND	0.20	EPA 8260D	3-4-24	3-4-24	
p-Isopropyltoluene	ND	0.20	EPA 8260D	3-4-24	3-4-24	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	3-4-24	3-4-24	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	3-4-24	3-4-24	
n-Butylbenzene	ND	0.20	EPA 8260D	3-4-24	3-4-24	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260D	3-4-24	3-4-24	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260D	3-4-24	3-4-24	
Hexachlorobutadiene	ND	1.0	EPA 8260D	3-4-24	3-4-24	
Naphthalene	ND	1.0	EPA 8260D	3-4-24	3-4-24	
1,2,3-Trichlorobenzene	ND	1.0	EPA 8260D	3-4-24	3-4-24	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	95	75-127				
<i>Toluene-d8</i>	99	80-127				
<i>4-Bromofluorobenzene</i>	95	78-125				



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Date of Report: March 6, 2024
 Samples Submitted: February 29, 2024
 Laboratory Reference: 2402-399
 Project: Xing Hua Mercer Island

VOLATILE ORGANICS EPA 8260D
QUALITY CONTROL
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Matrix: Water
 Units: ug/L

Analyte	Result		Spike Level		Percent		Recovery		RPD	
					Recovery		Limits	RPD	Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB0304W1									
	SB	SBD	SB	SBD	SB	SBD				
Dichlorodifluoromethane	11.4	11.3	10.0	10.0	114	113	34-166	1	21	
Chloromethane	8.30	9.18	10.0	10.0	83	92	63-138	10	18	
Vinyl Chloride	11.5	11.1	10.0	10.0	115	111	71-135	4	20	
Bromomethane	8.79	9.34	10.0	10.0	88	93	20-151	6	36	
Chloroethane	10.5	10.4	10.0	10.0	105	104	76-125	1	20	
Trichlorofluoromethane	12.3	12.2	10.0	10.0	123	122	75-131	1	19	
1,1-Dichloroethene	11.4	11.2	10.0	10.0	114	112	78-125	2	19	
Acetone	10.5	9.92	10.0	10.0	105	99	76-125	6	18	
Iodomethane	6.77	6.98	10.0	10.0	68	70	10-155	3	40	
Carbon Disulfide	10.3	10.6	10.0	10.0	103	106	58-129	3	17	
Methylene Chloride	9.95	9.80	10.0	10.0	100	98	80-120	2	15	
(trans) 1,2-Dichloroethene	11.2	11.1	10.0	10.0	112	111	80-125	1	17	
Methyl t-Butyl Ether	10.8	11.0	10.0	10.0	108	110	80-122	2	15	
1,1-Dichloroethane	11.0	10.8	10.0	10.0	110	108	80-125	2	17	
Vinyl Acetate	9.09	9.43	10.0	10.0	91	94	80-131	4	15	
2,2-Dichloropropane	13.1	12.9	10.0	10.0	131	129	80-146	2	21	
(cis) 1,2-Dichloroethene	11.3	11.0	10.0	10.0	113	110	80-129	3	17	
2-Butanone	10.0	9.30	10.0	10.0	100	93	80-129	7	16	
Bromochloromethane	9.68	9.83	10.0	10.0	97	98	80-125	2	18	
Chloroform	10.2	10.3	10.0	10.0	102	103	80-123	1	16	
1,1,1-Trichloroethane	11.1	11.2	10.0	10.0	111	112	80-123	1	18	
Carbon Tetrachloride	11.4	11.3	10.0	10.0	114	113	80-126	1	17	
1,1-Dichloropropene	11.0	10.8	10.0	10.0	110	108	80-126	2	18	
Benzene	10.8	10.7	10.0	10.0	108	107	80-121	1	16	
1,2-Dichloroethane	10.6	10.9	10.0	10.0	106	109	80-124	3	15	
Trichloroethene	11.5	11.5	10.0	10.0	115	115	80-122	0	18	
1,2-Dichloropropane	11.1	11.0	10.0	10.0	111	110	80-123	1	15	
Dibromomethane	11.1	11.1	10.0	10.0	111	111	80-123	0	15	
Bromodichloromethane	11.9	12.2	10.0	10.0	119	122	80-125	2	15	
(cis) 1,3-Dichloropropene	13.2	13.2	10.0	10.0	132	132	80-129	0	15	I,I
Methyl Isobutyl Ketone	10.3	11.4	10.0	10.0	103	114	80-124	10	15	
Toluene	10.7	10.6	10.0	10.0	107	106	80-120	1	18	
(trans) 1,3-Dichloropropene	11.4	11.3	10.0	10.0	114	113	80-134	1	17	



Date of Report: March 6, 2024
 Samples Submitted: February 29, 2024
 Laboratory Reference: 2402-399
 Project: Xing Hua Mercer Island

VOLATILE ORGANICS EPA 8260D
QUALITY CONTROL

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Analyte	Result		Spike Level		Percent		Recovery		RPD	
					Recovery		Limits		RPD	Limit
SPIKE BLANKS										
Laboratory ID:	SB0304W1									
	SB	SBD	SB	SBD	SB	SBD				
1,1,2-Trichloroethane	11.0	11.3	10.0	10.0	110	113	77-126	3	20	
Tetrachloroethene	11.1	11.3	10.0	10.0	111	113	80-124	2	18	
1,3-Dichloropropane	10.3	10.7	10.0	10.0	103	107	80-120	4	15	
2-Hexanone	10.4	11.2	10.0	10.0	104	112	80-130	7	16	
Dibromochloromethane	10.6	10.5	10.0	10.0	106	105	80-128	1	15	
1,2-Dibromoethane	11.7	12.0	10.0	10.0	117	120	80-127	3	15	
Chlorobenzene	10.8	11.0	10.0	10.0	108	110	80-120	2	17	
1,1,1,2-Tetrachloroethane	11.9	12.0	10.0	10.0	119	120	80-125	1	17	
Ethylbenzene	11.3	11.4	10.0	10.0	113	114	80-125	1	18	
m,p-Xylene	22.6	22.9	20.0	20.0	113	115	80-127	1	18	
o-Xylene	11.2	11.3	10.0	10.0	112	113	80-126	1	18	
Styrene	11.6	11.8	10.0	10.0	116	118	80-130	2	17	
Bromoform	10.4	11.0	10.0	10.0	104	110	80-130	6	15	
Isopropylbenzene	11.5	11.7	10.0	10.0	115	117	80-129	2	18	
Bromobenzene	10.8	11.1	10.0	10.0	108	111	76-128	3	16	
1,1,2,2-Tetrachloroethane	10.6	11.2	10.0	10.0	106	112	74-130	6	15	
1,2,3-Trichloropropane	9.25	9.70	10.0	10.0	93	97	71-129	5	25	
n-Propylbenzene	11.2	11.4	10.0	10.0	112	114	80-129	2	19	
2-Chlorotoluene	10.8	11.0	10.0	10.0	108	110	80-128	2	18	
4-Chlorotoluene	11.2	11.5	10.0	10.0	112	115	80-130	3	19	
1,3,5-Trimethylbenzene	11.4	11.7	10.0	10.0	114	117	80-131	3	18	
tert-Butylbenzene	11.3	11.5	10.0	10.0	113	115	80-130	2	18	
1,2,4-Trimethylbenzene	11.5	11.8	10.0	10.0	115	118	80-130	3	18	
sec-Butylbenzene	11.4	11.6	10.0	10.0	114	116	80-130	2	18	
1,3-Dichlorobenzene	10.8	11.0	10.0	10.0	108	110	80-126	2	17	
p-Isopropyltoluene	11.5	11.8	10.0	10.0	115	118	80-132	3	18	
1,4-Dichlorobenzene	10.7	11.0	10.0	10.0	107	110	80-121	3	17	
1,2-Dichlorobenzene	11.0	11.5	10.0	10.0	110	115	79-125	4	15	
n-Butylbenzene	11.8	12.1	10.0	10.0	118	121	80-138	3	19	
1,2-Dibromo-3-chloropropane	11.6	11.9	10.0	10.0	116	119	73-133	3	15	
1,2,4-Trichlorobenzene	10.9	12.1	10.0	10.0	109	121	80-139	10	18	
Hexachlorobutadiene	11.6	12.1	10.0	10.0	116	121	80-151	4	18	
Naphthalene	8.38	9.54	10.0	10.0	84	95	68-144	13	25	
1,2,3-Trichlorobenzene	10.4	12.3	10.0	10.0	104	123	75-146	17	28	
Surrogate:										
Dibromofluoromethane					97	96	75-127			
Toluene-d8					100	100	80-127			
4-Bromofluorobenzene					102	104	78-125			





Data Qualifiers and Abbreviations

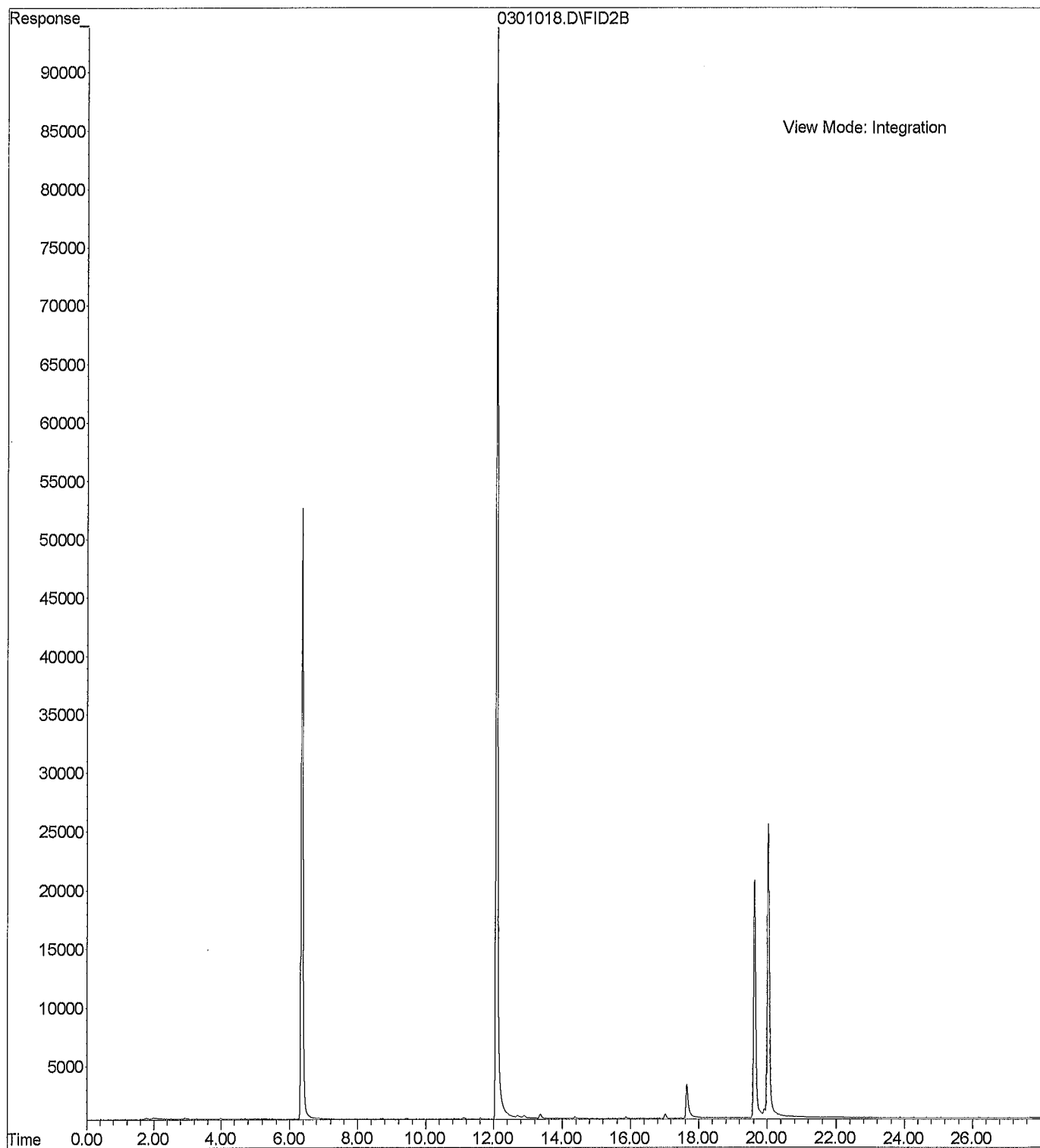
- A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.
- B - The analyte indicated was also found in the blank sample.
- C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.
- E - The value reported exceeds the quantitation range and is an estimate.
- F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.
- H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.
- I - Compound recovery is outside of the control limits.
- J - The value reported was below the practical quantitation limit. The value is an estimate.
- K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.
- L - The RPD is outside of the control limits.
- M - Hydrocarbons in the gasoline range are impacting the diesel range result.
- M1 - Hydrocarbons in the gasoline range (toluene-naphthalene) are present in the sample.
- N - Hydrocarbons in the lube oil range are impacting the diesel range result.
- N1 - Hydrocarbons in diesel range are impacting lube oil range results.
- O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.
- P - The RPD of the detected concentrations between the two columns is greater than 40.
- Q - Surrogate recovery is outside of the control limits.
- S - Surrogate recovery data is not available due to the necessary dilution of the sample.
- T - The sample chromatogram is not similar to a typical _____.
- U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
- U1 - The practical quantitation limit is elevated due to interferences present in the sample.
- V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.
- W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.
- X - Sample extract treated with a mercury cleanup procedure.
- X1 - Sample extract treated with a sulfuric acid/silica gel cleanup procedure.
- X2 - Sample extract treated with a silica gel cleanup procedure.
- Y - The calibration verification for this analyte exceeded the 20% drift specified in methods 8260 & 8270, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.
- Y1 - Negative effects of the matrix from this sample on the instrument caused values for this analyte in the bracketing continuing calibration verification standard (CCVs) to be outside of 20% acceptance criteria. Because of this, quantitation limits and sample concentrations should be considered estimates.
- Z -
- ND - Not Detected at PQL
- PQL - Practical Quantitation Limit
- RPD - Relative Percent Difference



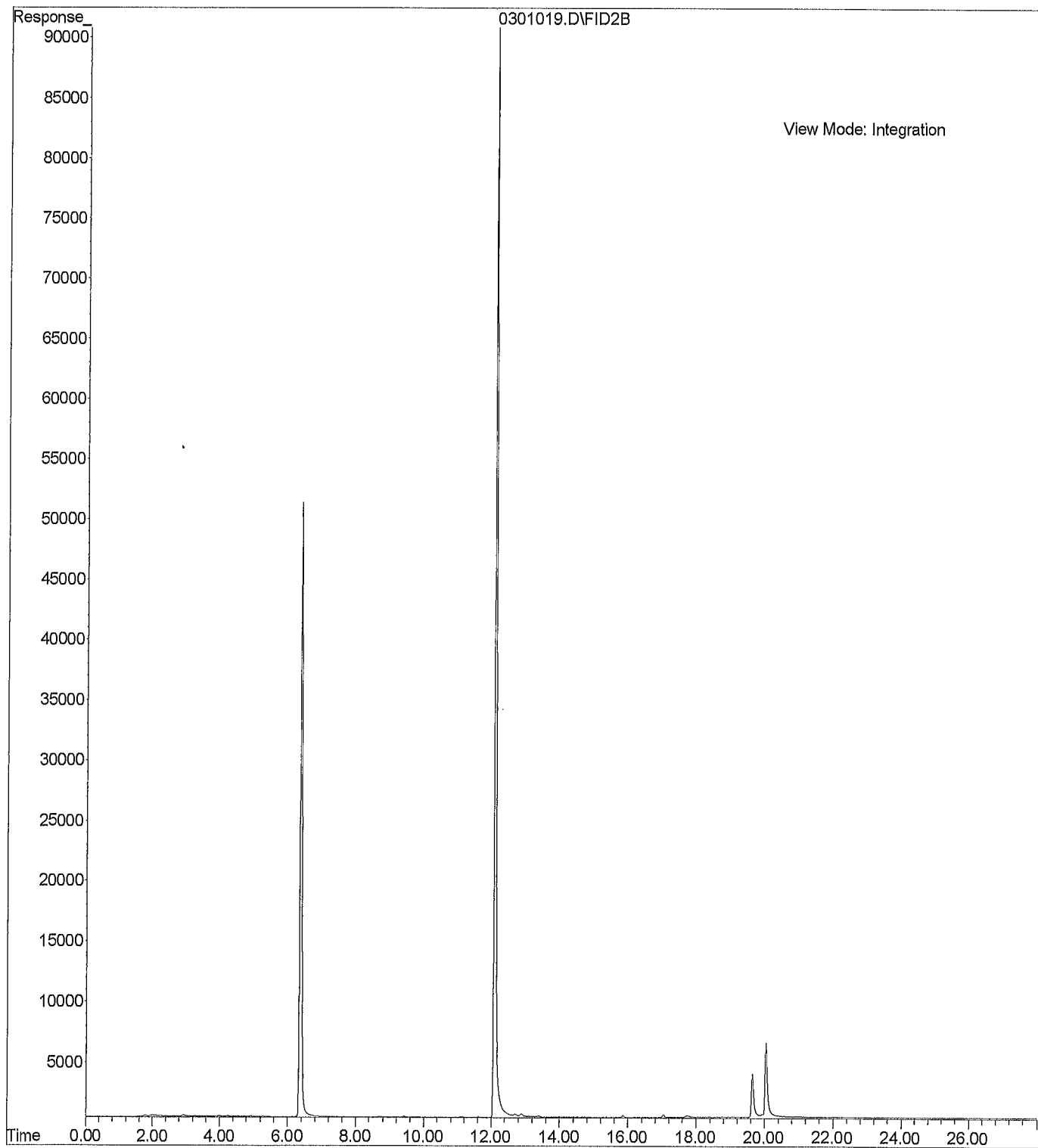
Chain of Custody

Analytical Laboratory Testing Services 14649 NE 95th Street • Redmond, WA 98052 Phone: (425) 883-3881 • www.on-site-env.com					
Company:			COM Smith		
Project Number:					
Project Name:			Xinghua Mercer Island		
Project Manager:			A. Welch		
Sampled by:			T. Platt		
Date Sampled			Time Sampled Matrix		
Same Day <input type="checkbox"/>			1 Day <input type="checkbox"/> 2 Days <input checked="" type="checkbox"/> 3 Days <input type="checkbox"/> Standard (7 Days)		
(other)					
Turnaround Request (in working days)			Laboratory Number: 02-399		
Number of Containers			NWTPH-HCID		
NWTPH-Gx/BTEX (8021 <input type="checkbox"/> 8260 <input type="checkbox"/>)			NWTPH-Gx		
NWTPH-Dx (SG Clean-up <input type="checkbox"/>)			Volatiles 8260		
Halogenated Volatiles 8260			EDB EPA 8011 (Waters Only)		
Semivolatiles 8270/SIM (with low-level PAHs)			PAHs 8270/SIM (low-level)		
PCBs 8082			Organochlorine Pesticides 8081		
Organophosphorus Pesticides 8270/SIM			Chlorinated Acid Herbicides 8151		
Total RCRA Metals			Total MTCA Metals		
TCPL Metals			HEM (oil and grease) 1664		
% Moisture					
Lab ID			Sample Identification		
1 MW-1-022924			2/29/24 1340 GW 7		
2 MW-2-022924			2/29/24 1530 GW 7		
3 MW-3-022924			2/29/24 1210 GW 3		
4 MW-4-022924			2/29/24 1640 GW 3		
5 MW-5-022924			2/29/24 1025 GW 3		
Relinquished			Signature		
Received			CDM Smith		
Relinquished			CJE		
Received			Date		
Relinquished			Time		
Comments/Special Instructions					
Data Package: Standard <input type="checkbox"/> Level III <input type="checkbox"/> Level IV <input type="checkbox"/>					
Chromatograms with final report <input type="checkbox"/> Electronic Data Deliverables (EDDs) <input type="checkbox"/>					

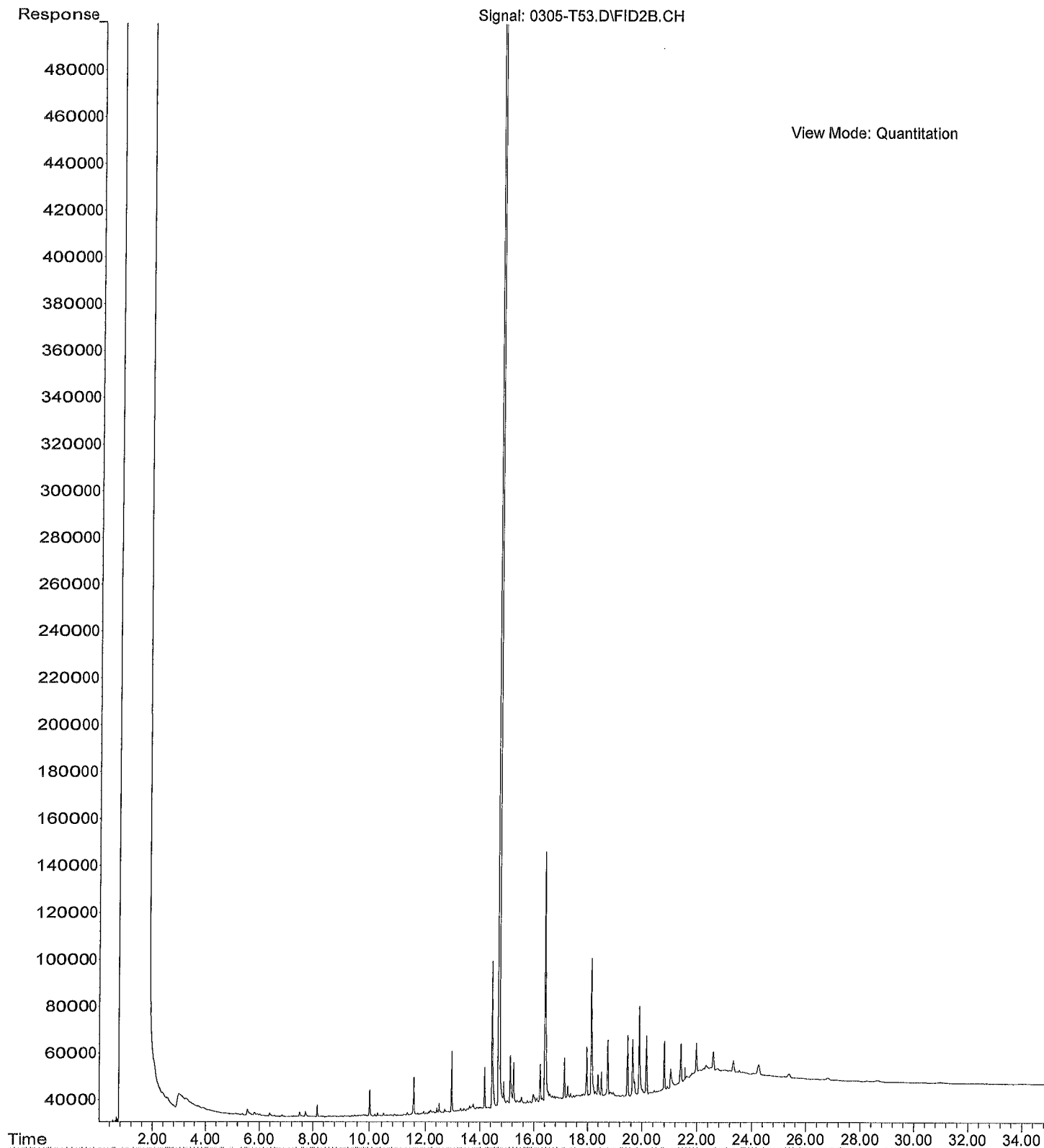
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Operator :
Acquired : 1 Mar 2024 18:50 using AcqMethod 231106G.M
Instrument : Hope
Sample Name: 02-399-01a
Misc Info :
Vial Number: 18



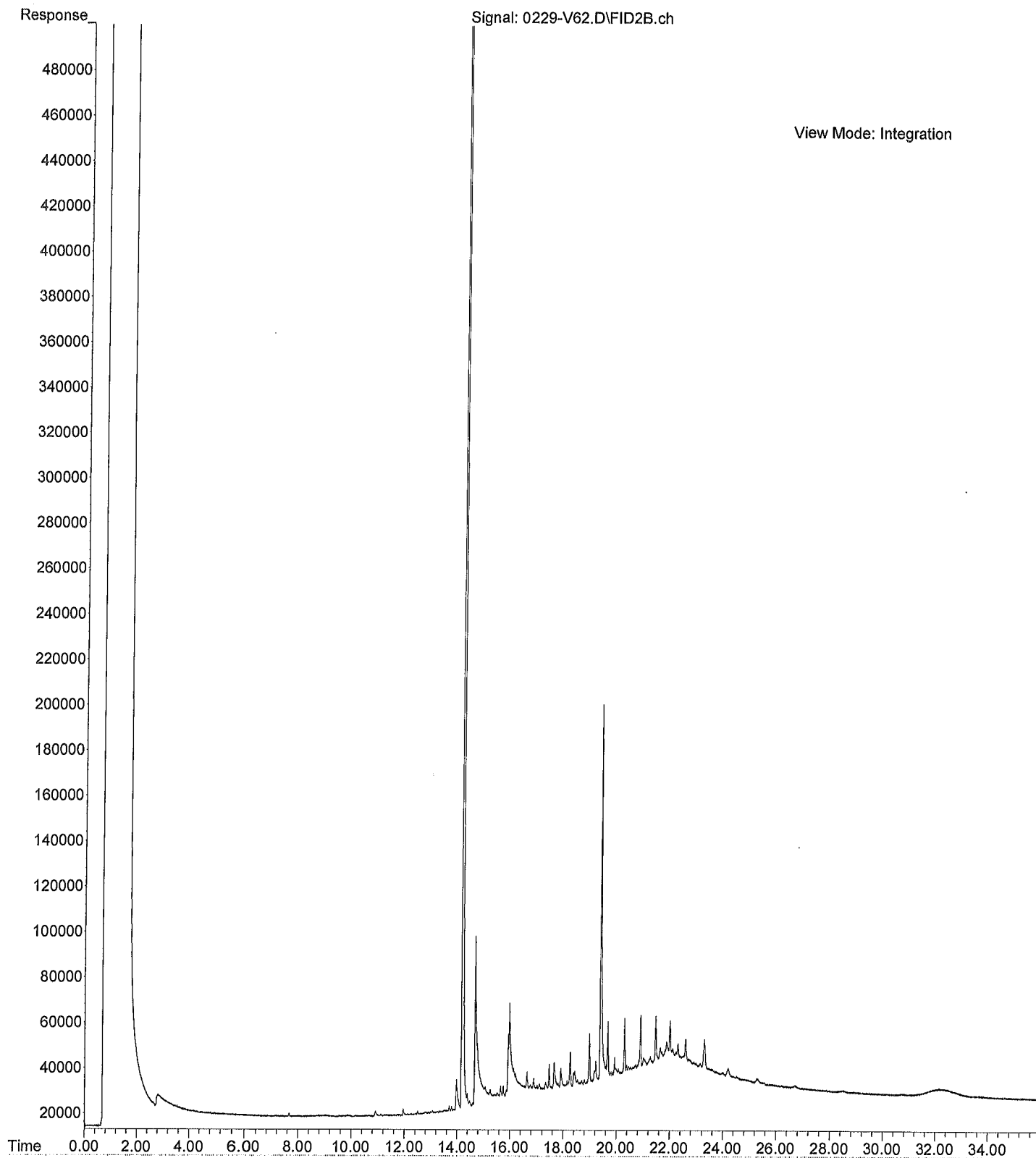
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Operator :
Acquired : 1 Mar 2024 19:20 using AcqMethod 231106G.M
Instrument : Hope
Sample Name: 02-399-02a
Misc Info :
Vial Number: 19



File :C:\msdchem\1\data\T240305.SEC\0305-T53.D
Operator : LW
Acquired : 05 Mar 2024 9:55 using AcqMethod T231127F.M
Instrument : Teri
Sample Name: 02-399-01 RC
Misc Info : RearSamp
Vial Number: 53



File :C:\msdchem\2\data\V240301.SEC\0229-V62.D
Operator : JS
Acquired : 1 Mar 2024 17:05 using AcqMethod V230830F.M
Instrument : Vigo
Sample Name: 02-399-02
Misc Info : RearSamp
Vial Number: 62





14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

March 15, 2024

August Welch
CDM Smith, Inc.
14432 SE Eastgate Way, Suite 100
Bellevue, WA 98007-6493

Re: Analytical Data for Project 295062
Laboratory Reference No. 2403-108

Dear August:

Enclosed are the analytical results and associated quality control data for samples submitted on March 8, 2024.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

A handwritten signature in black ink, appearing to read "DeB" followed by a stylized flourish.

David Baumeister
Project Manager

Enclosures



OnSite Environmental, Inc. 14648 NE 95th Street, Redmond, WA 98052 (425) 883-3881

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: March 15, 2024
Samples Submitted: March 8, 2024
Laboratory Reference: 2403-108
Project: 295062

Case Narrative

Samples were collected on March 8, 2024 and received by the laboratory on March 8, 2024. They were maintained at the laboratory at a temperature of 2°C to 6°C.

Please note that any and all soil sample results are reported on a dry-weight basis, unless otherwise noted below. However the soil results for the QA/QC samples are reported on a wet-weight basis.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.



Date of Report: March 15, 2024
 Samples Submitted: March 8, 2024
 Laboratory Reference: 2403-108
 Project: 295062

**DIESEL AND HEAVY OIL RANGE ORGANICS
 NWTPH-Dx**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	TP-2-1-030824					
Laboratory ID:	03-108-01					
Diesel Range Organics	ND	33	NWTPH-Dx	3-12-24	3-12-24	
Lube Oil Range Organics	ND	66	NWTPH-Dx	3-12-24	3-12-24	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	69	50-150				

Client ID:	TP-2-3.5-030824					
Laboratory ID:	03-108-02					
Diesel Range Organics	ND	35	NWTPH-Dx	3-12-24	3-12-24	
Lube Oil Range Organics	ND	70	NWTPH-Dx	3-12-24	3-12-24	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	71	50-150				

Client ID:	TP-2-6-030824					
Laboratory ID:	03-108-03					
Diesel Range Organics	ND	35	NWTPH-Dx	3-12-24	3-12-24	
Lube Oil Range Organics	ND	70	NWTPH-Dx	3-12-24	3-12-24	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	83	50-150				

Client ID:	TP-1-1-030824					
Laboratory ID:	03-108-04					
Diesel Range Organics	ND	33	NWTPH-Dx	3-12-24	3-12-24	
Lube Oil Range Organics	ND	66	NWTPH-Dx	3-12-24	3-12-24	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	72	50-150				

Client ID:	TP-1-4-030824					
Laboratory ID:	03-108-05					
Diesel Range Organics	ND	35	NWTPH-Dx	3-12-24	3-12-24	
Lube Oil Range Organics	ND	70	NWTPH-Dx	3-12-24	3-12-24	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	83	50-150				

Client ID:	TP-1-6-030824					
Laboratory ID:	03-108-06					
Diesel Range Organics	ND	35	NWTPH-Dx	3-12-24	3-12-24	
Lube Oil Range Organics	ND	69	NWTPH-Dx	3-12-24	3-12-24	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	78	50-150				



Date of Report: March 15, 2024
 Samples Submitted: March 8, 2024
 Laboratory Reference: 2403-108
 Project: 295062

**DIESEL AND HEAVY OIL RANGE ORGANICS
 NWTPH-Dx
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0312S1					
Diesel Range Organics	ND	25	NWTPH-Dx	3-12-24	3-12-24	
Lube Oil Range Organics	ND	50	NWTPH-Dx	3-12-24	3-12-24	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	77	50-150				

Analyte	Result		Spike Level		Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE										
Laboratory ID:	03-101-03									
	ORIG	DUP								
Diesel Range Organics	132	138	NA	NA		NA	NA	4	40	
Lube Oil Range Organics	58.2	ND	NA	NA		NA	NA	NA	40	
Surrogate:										
o-Terphenyl						89	89	50-150		



Date of Report: March 15, 2024
 Samples Submitted: March 8, 2024
 Laboratory Reference: 2403-108
 Project: 295062

VOLATILE ORGANICS EPA 8260D

page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:		TP-2-1-030824				
Laboratory ID:		03-108-01				
Dichlorodifluoromethane	ND	0.00099	EPA 8260D	3-11-24	3-11-24	
Chloromethane	ND	0.0050	EPA 8260D	3-11-24	3-11-24	
Vinyl Chloride	ND	0.00099	EPA 8260D	3-11-24	3-11-24	
Bromomethane	ND	0.0073	EPA 8260D	3-11-24	3-11-24	
Chloroethane	ND	0.0050	EPA 8260D	3-11-24	3-11-24	
Trichlorofluoromethane	ND	0.00099	EPA 8260D	3-11-24	3-11-24	
1,1-Dichloroethene	ND	0.00099	EPA 8260D	3-11-24	3-11-24	
Acetone	ND	0.0099	EPA 8260D	3-11-24	3-11-24	
Iodomethane	ND	0.0075	EPA 8260D	3-11-24	3-11-24	
Carbon Disulfide	ND	0.00099	EPA 8260D	3-11-24	3-11-24	
Methylene Chloride	ND	0.0050	EPA 8260D	3-11-24	3-11-24	
(trans) 1,2-Dichloroethene	ND	0.00099	EPA 8260D	3-11-24	3-11-24	
Methyl t-Butyl Ether	ND	0.00099	EPA 8260D	3-11-24	3-11-24	
1,1-Dichloroethane	ND	0.00099	EPA 8260D	3-11-24	3-11-24	
Vinyl Acetate	ND	0.0050	EPA 8260D	3-11-24	3-11-24	
2,2-Dichloropropane	ND	0.00099	EPA 8260D	3-11-24	3-11-24	
(cis) 1,2-Dichloroethene	ND	0.00099	EPA 8260D	3-11-24	3-11-24	
2-Butanone	ND	0.0050	EPA 8260D	3-11-24	3-11-24	
Bromochloromethane	ND	0.00099	EPA 8260D	3-11-24	3-11-24	
Chloroform	ND	0.00099	EPA 8260D	3-11-24	3-11-24	
1,1,1-Trichloroethane	ND	0.00099	EPA 8260D	3-11-24	3-11-24	
Carbon Tetrachloride	ND	0.00099	EPA 8260D	3-11-24	3-11-24	
1,1-Dichloropropene	ND	0.00099	EPA 8260D	3-11-24	3-11-24	
Benzene	ND	0.00099	EPA 8260D	3-11-24	3-11-24	
1,2-Dichloroethane	ND	0.00099	EPA 8260D	3-11-24	3-11-24	
Trichloroethene	ND	0.00099	EPA 8260D	3-11-24	3-11-24	
1,2-Dichloropropane	ND	0.00099	EPA 8260D	3-11-24	3-11-24	
Dibromomethane	ND	0.00099	EPA 8260D	3-11-24	3-11-24	
Bromodichloromethane	ND	0.00099	EPA 8260D	3-11-24	3-11-24	
2-Chloroethyl Vinyl Ether	ND	0.0050	EPA 8260D	3-11-24	3-11-24	
(cis) 1,3-Dichloropropene	ND	0.00099	EPA 8260D	3-11-24	3-11-24	
Methyl Isobutyl Ketone	ND	0.0050	EPA 8260D	3-11-24	3-11-24	
Toluene	ND	0.0050	EPA 8260D	3-11-24	3-11-24	



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Date of Report: March 15, 2024
 Samples Submitted: March 8, 2024
 Laboratory Reference: 2403-108
 Project: 295062

VOLATILE ORGANICS EPA 8260D
 page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	TP-2-1-030824					
Laboratory ID:	03-108-01					
(trans) 1,3-Dichloropropene	ND	0.00099	EPA 8260D	3-11-24	3-11-24	
1,1,2-Trichloroethane	ND	0.00099	EPA 8260D	3-11-24	3-11-24	
Tetrachloroethene	ND	0.00099	EPA 8260D	3-11-24	3-11-24	
1,3-Dichloropropane	ND	0.00099	EPA 8260D	3-11-24	3-11-24	
2-Hexanone	ND	0.0050	EPA 8260D	3-11-24	3-11-24	
Dibromochloromethane	ND	0.00099	EPA 8260D	3-11-24	3-11-24	
1,2-Dibromoethane	ND	0.00099	EPA 8260D	3-11-24	3-11-24	
Chlorobenzene	ND	0.00099	EPA 8260D	3-11-24	3-11-24	
1,1,1,2-Tetrachloroethane	ND	0.00099	EPA 8260D	3-11-24	3-11-24	
Ethylbenzene	ND	0.00099	EPA 8260D	3-11-24	3-11-24	
m,p-Xylene	ND	0.0020	EPA 8260D	3-11-24	3-11-24	
o-Xylene	ND	0.00099	EPA 8260D	3-11-24	3-11-24	
Styrene	ND	0.00099	EPA 8260D	3-11-24	3-11-24	
Bromoform	ND	0.0050	EPA 8260D	3-11-24	3-11-24	
Isopropylbenzene	ND	0.00099	EPA 8260D	3-11-24	3-11-24	
Bromobenzene	ND	0.00099	EPA 8260D	3-11-24	3-11-24	
1,1,2,2-Tetrachloroethane	ND	0.00099	EPA 8260D	3-11-24	3-11-24	
1,2,3-Trichloropropane	ND	0.00099	EPA 8260D	3-11-24	3-11-24	
n-Propylbenzene	ND	0.00099	EPA 8260D	3-11-24	3-11-24	
2-Chlorotoluene	ND	0.00099	EPA 8260D	3-11-24	3-11-24	
4-Chlorotoluene	ND	0.00099	EPA 8260D	3-11-24	3-11-24	
1,3,5-Trimethylbenzene	ND	0.00099	EPA 8260D	3-11-24	3-11-24	
tert-Butylbenzene	ND	0.00099	EPA 8260D	3-11-24	3-11-24	
1,2,4-Trimethylbenzene	ND	0.00099	EPA 8260D	3-11-24	3-11-24	
sec-Butylbenzene	ND	0.00099	EPA 8260D	3-11-24	3-11-24	
1,3-Dichlorobenzene	ND	0.00099	EPA 8260D	3-11-24	3-11-24	
p-Isopropyltoluene	ND	0.00099	EPA 8260D	3-11-24	3-11-24	
1,4-Dichlorobenzene	ND	0.00099	EPA 8260D	3-11-24	3-11-24	
1,2-Dichlorobenzene	ND	0.00099	EPA 8260D	3-11-24	3-11-24	
n-Butylbenzene	ND	0.00099	EPA 8260D	3-11-24	3-11-24	
1,2-Dibromo-3-chloropropane	ND	0.0050	EPA 8260D	3-11-24	3-11-24	
1,2,4-Trichlorobenzene	ND	0.00099	EPA 8260D	3-11-24	3-11-24	
Hexachlorobutadiene	ND	0.0050	EPA 8260D	3-11-24	3-11-24	
Naphthalene	ND	0.0050	EPA 8260D	3-11-24	3-11-24	
1,2,3-Trichlorobenzene	ND	0.00099	EPA 8260D	3-11-24	3-11-24	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>101</i>	<i>75-130</i>				
<i>Toluene-d8</i>	<i>99</i>	<i>78-128</i>				
<i>4-Bromofluorobenzene</i>	<i>93</i>	<i>71-130</i>				



Date of Report: March 15, 2024
 Samples Submitted: March 8, 2024
 Laboratory Reference: 2403-108
 Project: 295062

VOLATILE ORGANICS EPA 8260D
 page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID: TP-2-3.5-030824						
Laboratory ID: 03-108-02						
Dichlorodifluoromethane	ND	0.0013	EPA 8260D	3-11-24	3-11-24	
Chloromethane	ND	0.0065	EPA 8260D	3-11-24	3-11-24	
Vinyl Chloride	ND	0.0013	EPA 8260D	3-11-24	3-11-24	
Bromomethane	ND	0.0096	EPA 8260D	3-11-24	3-11-24	
Chloroethane	ND	0.0065	EPA 8260D	3-11-24	3-11-24	
Trichlorofluoromethane	ND	0.0013	EPA 8260D	3-11-24	3-11-24	
1,1-Dichloroethene	ND	0.0013	EPA 8260D	3-11-24	3-11-24	
Acetone	0.055	0.013	EPA 8260D	3-11-24	3-11-24	
Iodomethane	ND	0.0099	EPA 8260D	3-11-24	3-11-24	
Carbon Disulfide	ND	0.0013	EPA 8260D	3-11-24	3-11-24	
Methylene Chloride	ND	0.0065	EPA 8260D	3-11-24	3-11-24	
(trans) 1,2-Dichloroethene	ND	0.0013	EPA 8260D	3-11-24	3-11-24	
Methyl t-Butyl Ether	ND	0.0013	EPA 8260D	3-11-24	3-11-24	
1,1-Dichloroethane	ND	0.0013	EPA 8260D	3-11-24	3-11-24	
Vinyl Acetate	ND	0.0065	EPA 8260D	3-11-24	3-11-24	
2,2-Dichloropropane	ND	0.0013	EPA 8260D	3-11-24	3-11-24	
(cis) 1,2-Dichloroethene	ND	0.0013	EPA 8260D	3-11-24	3-11-24	
2-Butanone	0.0081	0.0065	EPA 8260D	3-11-24	3-11-24	
Bromochloromethane	ND	0.0013	EPA 8260D	3-11-24	3-11-24	
Chloroform	ND	0.0013	EPA 8260D	3-11-24	3-11-24	
1,1,1-Trichloroethane	ND	0.0013	EPA 8260D	3-11-24	3-11-24	
Carbon Tetrachloride	ND	0.0013	EPA 8260D	3-11-24	3-11-24	
1,1-Dichloropropene	ND	0.0013	EPA 8260D	3-11-24	3-11-24	
Benzene	ND	0.0013	EPA 8260D	3-11-24	3-11-24	
1,2-Dichloroethane	ND	0.0013	EPA 8260D	3-11-24	3-11-24	
Trichloroethene	ND	0.0013	EPA 8260D	3-11-24	3-11-24	
1,2-Dichloropropane	ND	0.0013	EPA 8260D	3-11-24	3-11-24	
Dibromomethane	ND	0.0013	EPA 8260D	3-11-24	3-11-24	
Bromodichloromethane	ND	0.0013	EPA 8260D	3-11-24	3-11-24	
2-Chloroethyl Vinyl Ether	ND	0.0065	EPA 8260D	3-11-24	3-11-24	
(cis) 1,3-Dichloropropene	ND	0.0013	EPA 8260D	3-11-24	3-11-24	
Methyl Isobutyl Ketone	ND	0.0065	EPA 8260D	3-11-24	3-11-24	
Toluene	ND	0.0065	EPA 8260D	3-11-24	3-11-24	



OnSite Environmental, Inc. 14648 NE 95th Street, Redmond, WA 98052 (425) 883-3881

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Date of Report: March 15, 2024
 Samples Submitted: March 8, 2024
 Laboratory Reference: 2403-108
 Project: 295062

VOLATILE ORGANICS EPA 8260D

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:		TP-2-3.5-030824				
Laboratory ID:		03-108-02				
(trans) 1,3-Dichloropropene	ND	0.0013	EPA 8260D	3-11-24	3-11-24	
1,1,2-Trichloroethane	ND	0.0013	EPA 8260D	3-11-24	3-11-24	
Tetrachloroethene	ND	0.0013	EPA 8260D	3-11-24	3-11-24	
1,3-Dichloropropane	ND	0.0013	EPA 8260D	3-11-24	3-11-24	
2-Hexanone	ND	0.0065	EPA 8260D	3-11-24	3-11-24	
Dibromochloromethane	ND	0.0013	EPA 8260D	3-11-24	3-11-24	
1,2-Dibromoethane	ND	0.0013	EPA 8260D	3-11-24	3-11-24	
Chlorobenzene	ND	0.0013	EPA 8260D	3-11-24	3-11-24	
1,1,1,2-Tetrachloroethane	ND	0.0013	EPA 8260D	3-11-24	3-11-24	
Ethylbenzene	ND	0.0013	EPA 8260D	3-11-24	3-11-24	
m,p-Xylene	ND	0.0026	EPA 8260D	3-11-24	3-11-24	
o-Xylene	ND	0.0013	EPA 8260D	3-11-24	3-11-24	
Styrene	ND	0.0013	EPA 8260D	3-11-24	3-11-24	
Bromoform	ND	0.0065	EPA 8260D	3-11-24	3-11-24	
Isopropylbenzene	ND	0.0013	EPA 8260D	3-11-24	3-11-24	
Bromobenzene	ND	0.0013	EPA 8260D	3-11-24	3-11-24	
1,1,2,2-Tetrachloroethane	ND	0.0013	EPA 8260D	3-11-24	3-11-24	
1,2,3-Trichloropropane	ND	0.0013	EPA 8260D	3-11-24	3-11-24	
n-Propylbenzene	ND	0.0013	EPA 8260D	3-11-24	3-11-24	
2-Chlorotoluene	ND	0.0013	EPA 8260D	3-11-24	3-11-24	
4-Chlorotoluene	ND	0.0013	EPA 8260D	3-11-24	3-11-24	
1,3,5-Trimethylbenzene	ND	0.0013	EPA 8260D	3-11-24	3-11-24	
tert-Butylbenzene	ND	0.0013	EPA 8260D	3-11-24	3-11-24	
1,2,4-Trimethylbenzene	0.0018	0.0013	EPA 8260D	3-11-24	3-11-24	
sec-Butylbenzene	ND	0.0013	EPA 8260D	3-11-24	3-11-24	
1,3-Dichlorobenzene	ND	0.0013	EPA 8260D	3-11-24	3-11-24	
p-Isopropyltoluene	ND	0.0013	EPA 8260D	3-11-24	3-11-24	
1,4-Dichlorobenzene	ND	0.0013	EPA 8260D	3-11-24	3-11-24	
1,2-Dichlorobenzene	ND	0.0013	EPA 8260D	3-11-24	3-11-24	
n-Butylbenzene	ND	0.0013	EPA 8260D	3-11-24	3-11-24	
1,2-Dibromo-3-chloropropane	ND	0.0065	EPA 8260D	3-11-24	3-11-24	
1,2,4-Trichlorobenzene	ND	0.0013	EPA 8260D	3-11-24	3-11-24	
Hexachlorobutadiene	ND	0.0065	EPA 8260D	3-11-24	3-11-24	
Naphthalene	ND	0.0065	EPA 8260D	3-11-24	3-11-24	
1,2,3-Trichlorobenzene	ND	0.0013	EPA 8260D	3-11-24	3-11-24	
Surrogate:						
	<i>Percent Recovery</i>	<i>Control Limits</i>				
Dibromofluoromethane	105	75-130				
Toluene-d8	96	78-128				
4-Bromofluorobenzene	95	71-130				



OnSite Environmental, Inc. 14648 NE 95th Street, Redmond, WA 98052 (425) 883-3881

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Date of Report: March 15, 2024
 Samples Submitted: March 8, 2024
 Laboratory Reference: 2403-108
 Project: 295062

VOLATILE ORGANICS EPA 8260D
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Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID: TP-2-6-030824						
Laboratory ID: 03-108-03						
Dichlorodifluoromethane	ND	0.0014	EPA 8260D	3-11-24	3-11-24	
Chloromethane	ND	0.0070	EPA 8260D	3-11-24	3-11-24	
Vinyl Chloride	ND	0.0014	EPA 8260D	3-11-24	3-11-24	
Bromomethane	ND	0.010	EPA 8260D	3-11-24	3-11-24	
Chloroethane	ND	0.0070	EPA 8260D	3-11-24	3-11-24	
Trichlorofluoromethane	ND	0.0014	EPA 8260D	3-11-24	3-11-24	
1,1-Dichloroethene	ND	0.0014	EPA 8260D	3-11-24	3-11-24	
Acetone	0.028	0.014	EPA 8260D	3-11-24	3-11-24	
Iodomethane	ND	0.011	EPA 8260D	3-11-24	3-11-24	
Carbon Disulfide	ND	0.0014	EPA 8260D	3-11-24	3-11-24	
Methylene Chloride	ND	0.0070	EPA 8260D	3-11-24	3-11-24	
(trans) 1,2-Dichloroethene	ND	0.0014	EPA 8260D	3-11-24	3-11-24	
Methyl t-Butyl Ether	ND	0.0014	EPA 8260D	3-11-24	3-11-24	
1,1-Dichloroethane	ND	0.0014	EPA 8260D	3-11-24	3-11-24	
Vinyl Acetate	ND	0.0070	EPA 8260D	3-11-24	3-11-24	
2,2-Dichloropropane	ND	0.0014	EPA 8260D	3-11-24	3-11-24	
(cis) 1,2-Dichloroethene	ND	0.0014	EPA 8260D	3-11-24	3-11-24	
2-Butanone	ND	0.0070	EPA 8260D	3-11-24	3-11-24	
Bromochloromethane	ND	0.0014	EPA 8260D	3-11-24	3-11-24	
Chloroform	ND	0.0014	EPA 8260D	3-11-24	3-11-24	
1,1,1-Trichloroethane	ND	0.0014	EPA 8260D	3-11-24	3-11-24	
Carbon Tetrachloride	ND	0.0014	EPA 8260D	3-11-24	3-11-24	
1,1-Dichloropropene	ND	0.0014	EPA 8260D	3-11-24	3-11-24	
Benzene	ND	0.0014	EPA 8260D	3-11-24	3-11-24	
1,2-Dichloroethane	ND	0.0014	EPA 8260D	3-11-24	3-11-24	
Trichloroethene	ND	0.0014	EPA 8260D	3-11-24	3-11-24	
1,2-Dichloropropane	ND	0.0014	EPA 8260D	3-11-24	3-11-24	
Dibromomethane	ND	0.0014	EPA 8260D	3-11-24	3-11-24	
Bromodichloromethane	ND	0.0014	EPA 8260D	3-11-24	3-11-24	
2-Chloroethyl Vinyl Ether	ND	0.0070	EPA 8260D	3-11-24	3-11-24	
(cis) 1,3-Dichloropropene	ND	0.0014	EPA 8260D	3-11-24	3-11-24	
Methyl Isobutyl Ketone	ND	0.0070	EPA 8260D	3-11-24	3-11-24	
Toluene	ND	0.0070	EPA 8260D	3-11-24	3-11-24	



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Date of Report: March 15, 2024
 Samples Submitted: March 8, 2024
 Laboratory Reference: 2403-108
 Project: 295062

VOLATILE ORGANICS EPA 8260D

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:		TP-2-6-030824				
Laboratory ID:		03-108-03				
(trans) 1,3-Dichloropropene	ND	0.0014	EPA 8260D	3-11-24	3-11-24	
1,1,2-Trichloroethane	ND	0.0014	EPA 8260D	3-11-24	3-11-24	
Tetrachloroethene	ND	0.0014	EPA 8260D	3-11-24	3-11-24	
1,3-Dichloropropane	ND	0.0014	EPA 8260D	3-11-24	3-11-24	
2-Hexanone	ND	0.0070	EPA 8260D	3-11-24	3-11-24	
Dibromochloromethane	ND	0.0014	EPA 8260D	3-11-24	3-11-24	
1,2-Dibromoethane	ND	0.0014	EPA 8260D	3-11-24	3-11-24	
Chlorobenzene	ND	0.0014	EPA 8260D	3-11-24	3-11-24	
1,1,1,2-Tetrachloroethane	ND	0.0014	EPA 8260D	3-11-24	3-11-24	
Ethylbenzene	ND	0.0014	EPA 8260D	3-11-24	3-11-24	
m,p-Xylene	ND	0.0028	EPA 8260D	3-11-24	3-11-24	
o-Xylene	ND	0.0014	EPA 8260D	3-11-24	3-11-24	
Styrene	ND	0.0014	EPA 8260D	3-11-24	3-11-24	
Bromoform	ND	0.0070	EPA 8260D	3-11-24	3-11-24	
Isopropylbenzene	ND	0.0014	EPA 8260D	3-11-24	3-11-24	
Bromobenzene	ND	0.0014	EPA 8260D	3-11-24	3-11-24	
1,1,2,2-Tetrachloroethane	ND	0.0014	EPA 8260D	3-11-24	3-11-24	
1,2,3-Trichloropropane	ND	0.0014	EPA 8260D	3-11-24	3-11-24	
n-Propylbenzene	ND	0.0014	EPA 8260D	3-11-24	3-11-24	
2-Chlorotoluene	ND	0.0014	EPA 8260D	3-11-24	3-11-24	
4-Chlorotoluene	ND	0.0014	EPA 8260D	3-11-24	3-11-24	
1,3,5-Trimethylbenzene	ND	0.0014	EPA 8260D	3-11-24	3-11-24	
tert-Butylbenzene	ND	0.0014	EPA 8260D	3-11-24	3-11-24	
1,2,4-Trimethylbenzene	ND	0.0014	EPA 8260D	3-11-24	3-11-24	
sec-Butylbenzene	ND	0.0014	EPA 8260D	3-11-24	3-11-24	
1,3-Dichlorobenzene	ND	0.0014	EPA 8260D	3-11-24	3-11-24	
p-Isopropyltoluene	ND	0.0014	EPA 8260D	3-11-24	3-11-24	
1,4-Dichlorobenzene	ND	0.0014	EPA 8260D	3-11-24	3-11-24	
1,2-Dichlorobenzene	ND	0.0014	EPA 8260D	3-11-24	3-11-24	
n-Butylbenzene	ND	0.0014	EPA 8260D	3-11-24	3-11-24	
1,2-Dibromo-3-chloropropane	ND	0.0070	EPA 8260D	3-11-24	3-11-24	
1,2,4-Trichlorobenzene	ND	0.0014	EPA 8260D	3-11-24	3-11-24	
Hexachlorobutadiene	ND	0.0070	EPA 8260D	3-11-24	3-11-24	
Naphthalene	ND	0.0070	EPA 8260D	3-11-24	3-11-24	
1,2,3-Trichlorobenzene	ND	0.0014	EPA 8260D	3-11-24	3-11-24	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>104</i>	<i>75-130</i>				
<i>Toluene-d8</i>	<i>98</i>	<i>78-128</i>				
<i>4-Bromofluorobenzene</i>	<i>95</i>	<i>71-130</i>				



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Date of Report: March 15, 2024
 Samples Submitted: March 8, 2024
 Laboratory Reference: 2403-108
 Project: 295062

VOLATILE ORGANICS EPA 8260D

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Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID: TP-1-1-030824						
Laboratory ID: 03-108-04						
Dichlorodifluoromethane	ND	0.0012	EPA 8260D	3-11-24	3-11-24	
Chloromethane	ND	0.0059	EPA 8260D	3-11-24	3-11-24	
Vinyl Chloride	ND	0.0012	EPA 8260D	3-11-24	3-11-24	
Bromomethane	ND	0.0087	EPA 8260D	3-11-24	3-11-24	
Chloroethane	ND	0.0059	EPA 8260D	3-11-24	3-11-24	
Trichlorofluoromethane	ND	0.0012	EPA 8260D	3-11-24	3-11-24	
1,1-Dichloroethene	ND	0.0012	EPA 8260D	3-11-24	3-11-24	
Acetone	0.043	0.012	EPA 8260D	3-11-24	3-11-24	
Iodomethane	ND	0.0090	EPA 8260D	3-11-24	3-11-24	
Carbon Disulfide	ND	0.0012	EPA 8260D	3-11-24	3-11-24	
Methylene Chloride	ND	0.0059	EPA 8260D	3-11-24	3-11-24	
(trans) 1,2-Dichloroethene	ND	0.0012	EPA 8260D	3-11-24	3-11-24	
Methyl t-Butyl Ether	ND	0.0012	EPA 8260D	3-11-24	3-11-24	
1,1-Dichloroethane	ND	0.0012	EPA 8260D	3-11-24	3-11-24	
Vinyl Acetate	ND	0.0059	EPA 8260D	3-11-24	3-11-24	
2,2-Dichloropropane	ND	0.0012	EPA 8260D	3-11-24	3-11-24	
(cis) 1,2-Dichloroethene	ND	0.0012	EPA 8260D	3-11-24	3-11-24	
2-Butanone	ND	0.0059	EPA 8260D	3-11-24	3-11-24	
Bromochloromethane	ND	0.0012	EPA 8260D	3-11-24	3-11-24	
Chloroform	ND	0.0012	EPA 8260D	3-11-24	3-11-24	
1,1,1-Trichloroethane	ND	0.0012	EPA 8260D	3-11-24	3-11-24	
Carbon Tetrachloride	ND	0.0012	EPA 8260D	3-11-24	3-11-24	
1,1-Dichloropropene	ND	0.0012	EPA 8260D	3-11-24	3-11-24	
Benzene	ND	0.0012	EPA 8260D	3-11-24	3-11-24	
1,2-Dichloroethane	ND	0.0012	EPA 8260D	3-11-24	3-11-24	
Trichloroethene	ND	0.0012	EPA 8260D	3-11-24	3-11-24	
1,2-Dichloropropane	ND	0.0012	EPA 8260D	3-11-24	3-11-24	
Dibromomethane	ND	0.0012	EPA 8260D	3-11-24	3-11-24	
Bromodichloromethane	ND	0.0012	EPA 8260D	3-11-24	3-11-24	
2-Chloroethyl Vinyl Ether	ND	0.0059	EPA 8260D	3-11-24	3-11-24	
(cis) 1,3-Dichloropropene	ND	0.0012	EPA 8260D	3-11-24	3-11-24	
Methyl Isobutyl Ketone	ND	0.0059	EPA 8260D	3-11-24	3-11-24	
Toluene	ND	0.0059	EPA 8260D	3-11-24	3-11-24	



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Date of Report: March 15, 2024
 Samples Submitted: March 8, 2024
 Laboratory Reference: 2403-108
 Project: 295062

VOLATILE ORGANICS EPA 8260D
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	TP-1-1-030824					
Laboratory ID:	03-108-04					
(trans) 1,3-Dichloropropene	ND	0.0012	EPA 8260D	3-11-24	3-11-24	
1,1,2-Trichloroethane	ND	0.0012	EPA 8260D	3-11-24	3-11-24	
Tetrachloroethene	ND	0.0012	EPA 8260D	3-11-24	3-11-24	
1,3-Dichloropropane	ND	0.0012	EPA 8260D	3-11-24	3-11-24	
2-Hexanone	ND	0.0059	EPA 8260D	3-11-24	3-11-24	
Dibromochloromethane	ND	0.0012	EPA 8260D	3-11-24	3-11-24	
1,2-Dibromoethane	ND	0.0012	EPA 8260D	3-11-24	3-11-24	
Chlorobenzene	ND	0.0012	EPA 8260D	3-11-24	3-11-24	
1,1,1,2-Tetrachloroethane	ND	0.0012	EPA 8260D	3-11-24	3-11-24	
Ethylbenzene	ND	0.0012	EPA 8260D	3-11-24	3-11-24	
m,p-Xylene	ND	0.0024	EPA 8260D	3-11-24	3-11-24	
o-Xylene	ND	0.0012	EPA 8260D	3-11-24	3-11-24	
Styrene	ND	0.0012	EPA 8260D	3-11-24	3-11-24	
Bromoform	ND	0.0059	EPA 8260D	3-11-24	3-11-24	
Isopropylbenzene	ND	0.0012	EPA 8260D	3-11-24	3-11-24	
Bromobenzene	ND	0.0012	EPA 8260D	3-11-24	3-11-24	
1,1,2,2-Tetrachloroethane	ND	0.0012	EPA 8260D	3-11-24	3-11-24	
1,2,3-Trichloropropane	ND	0.0012	EPA 8260D	3-11-24	3-11-24	
n-Propylbenzene	ND	0.0012	EPA 8260D	3-11-24	3-11-24	
2-Chlorotoluene	ND	0.0012	EPA 8260D	3-11-24	3-11-24	
4-Chlorotoluene	ND	0.0012	EPA 8260D	3-11-24	3-11-24	
1,3,5-Trimethylbenzene	ND	0.0012	EPA 8260D	3-11-24	3-11-24	
tert-Butylbenzene	ND	0.0012	EPA 8260D	3-11-24	3-11-24	
1,2,4-Trimethylbenzene	ND	0.0012	EPA 8260D	3-11-24	3-11-24	
sec-Butylbenzene	ND	0.0012	EPA 8260D	3-11-24	3-11-24	
1,3-Dichlorobenzene	ND	0.0012	EPA 8260D	3-11-24	3-11-24	
p-Isopropyltoluene	ND	0.0012	EPA 8260D	3-11-24	3-11-24	
1,4-Dichlorobenzene	ND	0.0012	EPA 8260D	3-11-24	3-11-24	
1,2-Dichlorobenzene	ND	0.0012	EPA 8260D	3-11-24	3-11-24	
n-Butylbenzene	ND	0.0012	EPA 8260D	3-11-24	3-11-24	
1,2-Dibromo-3-chloropropane	ND	0.0059	EPA 8260D	3-11-24	3-11-24	
1,2,4-Trichlorobenzene	ND	0.0012	EPA 8260D	3-11-24	3-11-24	
Hexachlorobutadiene	ND	0.0059	EPA 8260D	3-11-24	3-11-24	
Naphthalene	ND	0.0059	EPA 8260D	3-11-24	3-11-24	
1,2,3-Trichlorobenzene	ND	0.0012	EPA 8260D	3-11-24	3-11-24	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>103</i>	<i>75-130</i>				
<i>Toluene-d8</i>	<i>100</i>	<i>78-128</i>				
<i>4-Bromofluorobenzene</i>	<i>95</i>	<i>71-130</i>				



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Date of Report: March 15, 2024
 Samples Submitted: March 8, 2024
 Laboratory Reference: 2403-108
 Project: 295062

VOLATILE ORGANICS EPA 8260D

page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID: TP-1-4-030824						
Laboratory ID: 03-108-05						
Dichlorodifluoromethane	ND	0.0013	EPA 8260D	3-11-24	3-11-24	
Chloromethane	ND	0.0065	EPA 8260D	3-11-24	3-11-24	
Vinyl Chloride	ND	0.0013	EPA 8260D	3-11-24	3-11-24	
Bromomethane	ND	0.0097	EPA 8260D	3-11-24	3-11-24	
Chloroethane	ND	0.0065	EPA 8260D	3-11-24	3-11-24	
Trichlorofluoromethane	ND	0.0013	EPA 8260D	3-11-24	3-11-24	
1,1-Dichloroethene	ND	0.0013	EPA 8260D	3-11-24	3-11-24	
Acetone	ND	0.013	EPA 8260D	3-11-24	3-11-24	
Iodomethane	ND	0.0099	EPA 8260D	3-11-24	3-11-24	
Carbon Disulfide	ND	0.0013	EPA 8260D	3-11-24	3-11-24	
Methylene Chloride	ND	0.0065	EPA 8260D	3-11-24	3-11-24	
(trans) 1,2-Dichloroethene	ND	0.0013	EPA 8260D	3-11-24	3-11-24	
Methyl t-Butyl Ether	ND	0.0013	EPA 8260D	3-11-24	3-11-24	
1,1-Dichloroethane	ND	0.0013	EPA 8260D	3-11-24	3-11-24	
Vinyl Acetate	ND	0.0065	EPA 8260D	3-11-24	3-11-24	
2,2-Dichloropropane	ND	0.0013	EPA 8260D	3-11-24	3-11-24	
(cis) 1,2-Dichloroethene	ND	0.0013	EPA 8260D	3-11-24	3-11-24	
2-Butanone	ND	0.0065	EPA 8260D	3-11-24	3-11-24	
Bromochloromethane	ND	0.0013	EPA 8260D	3-11-24	3-11-24	
Chloroform	ND	0.0013	EPA 8260D	3-11-24	3-11-24	
1,1,1-Trichloroethane	ND	0.0013	EPA 8260D	3-11-24	3-11-24	
Carbon Tetrachloride	ND	0.0013	EPA 8260D	3-11-24	3-11-24	
1,1-Dichloropropene	ND	0.0013	EPA 8260D	3-11-24	3-11-24	
Benzene	ND	0.0013	EPA 8260D	3-11-24	3-11-24	
1,2-Dichloroethane	ND	0.0013	EPA 8260D	3-11-24	3-11-24	
Trichloroethene	ND	0.0013	EPA 8260D	3-11-24	3-11-24	
1,2-Dichloropropane	ND	0.0013	EPA 8260D	3-11-24	3-11-24	
Dibromomethane	ND	0.0013	EPA 8260D	3-11-24	3-11-24	
Bromodichloromethane	ND	0.0013	EPA 8260D	3-11-24	3-11-24	
2-Chloroethyl Vinyl Ether	ND	0.0065	EPA 8260D	3-11-24	3-11-24	
(cis) 1,3-Dichloropropene	ND	0.0013	EPA 8260D	3-11-24	3-11-24	
Methyl Isobutyl Ketone	ND	0.0065	EPA 8260D	3-11-24	3-11-24	
Toluene	ND	0.0065	EPA 8260D	3-11-24	3-11-24	



OnSite Environmental, Inc. 14648 NE 95th Street, Redmond, WA 98052 (425) 883-3881

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Date of Report: March 15, 2024
 Samples Submitted: March 8, 2024
 Laboratory Reference: 2403-108
 Project: 295062

VOLATILE ORGANICS EPA 8260D

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	TP-1-4-030824					
Laboratory ID:	03-108-05					
(trans) 1,3-Dichloropropene	ND	0.0013	EPA 8260D	3-11-24	3-11-24	
1,1,2-Trichloroethane	ND	0.0013	EPA 8260D	3-11-24	3-11-24	
Tetrachloroethene	ND	0.0013	EPA 8260D	3-11-24	3-11-24	
1,3-Dichloropropane	ND	0.0013	EPA 8260D	3-11-24	3-11-24	
2-Hexanone	ND	0.0065	EPA 8260D	3-11-24	3-11-24	
Dibromochloromethane	ND	0.0013	EPA 8260D	3-11-24	3-11-24	
1,2-Dibromoethane	ND	0.0013	EPA 8260D	3-11-24	3-11-24	
Chlorobenzene	ND	0.0013	EPA 8260D	3-11-24	3-11-24	
1,1,1,2-Tetrachloroethane	ND	0.0013	EPA 8260D	3-11-24	3-11-24	
Ethylbenzene	ND	0.0013	EPA 8260D	3-11-24	3-11-24	
m,p-Xylene	ND	0.0026	EPA 8260D	3-11-24	3-11-24	
o-Xylene	ND	0.0013	EPA 8260D	3-11-24	3-11-24	
Styrene	ND	0.0013	EPA 8260D	3-11-24	3-11-24	
Bromoform	ND	0.0065	EPA 8260D	3-11-24	3-11-24	
Isopropylbenzene	ND	0.0013	EPA 8260D	3-11-24	3-11-24	
Bromobenzene	ND	0.0013	EPA 8260D	3-11-24	3-11-24	
1,1,2,2-Tetrachloroethane	ND	0.0013	EPA 8260D	3-11-24	3-11-24	
1,2,3-Trichloropropane	ND	0.0013	EPA 8260D	3-11-24	3-11-24	
n-Propylbenzene	ND	0.0013	EPA 8260D	3-11-24	3-11-24	
2-Chlorotoluene	ND	0.0013	EPA 8260D	3-11-24	3-11-24	
4-Chlorotoluene	ND	0.0013	EPA 8260D	3-11-24	3-11-24	
1,3,5-Trimethylbenzene	ND	0.0013	EPA 8260D	3-11-24	3-11-24	
tert-Butylbenzene	ND	0.0013	EPA 8260D	3-11-24	3-11-24	
1,2,4-Trimethylbenzene	ND	0.0013	EPA 8260D	3-11-24	3-11-24	
sec-Butylbenzene	ND	0.0013	EPA 8260D	3-11-24	3-11-24	
1,3-Dichlorobenzene	ND	0.0013	EPA 8260D	3-11-24	3-11-24	
p-Isopropyltoluene	ND	0.0013	EPA 8260D	3-11-24	3-11-24	
1,4-Dichlorobenzene	ND	0.0013	EPA 8260D	3-11-24	3-11-24	
1,2-Dichlorobenzene	ND	0.0013	EPA 8260D	3-11-24	3-11-24	
n-Butylbenzene	ND	0.0013	EPA 8260D	3-11-24	3-11-24	
1,2-Dibromo-3-chloropropane	ND	0.0065	EPA 8260D	3-11-24	3-11-24	
1,2,4-Trichlorobenzene	ND	0.0013	EPA 8260D	3-11-24	3-11-24	
Hexachlorobutadiene	ND	0.0065	EPA 8260D	3-11-24	3-11-24	
Naphthalene	ND	0.0065	EPA 8260D	3-11-24	3-11-24	
1,2,3-Trichlorobenzene	ND	0.0013	EPA 8260D	3-11-24	3-11-24	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>100</i>	<i>75-130</i>				
<i>Toluene-d8</i>	<i>98</i>	<i>78-128</i>				
<i>4-Bromofluorobenzene</i>	<i>94</i>	<i>71-130</i>				



OnSite Environmental, Inc. 14648 NE 95th Street, Redmond, WA 98052 (425) 883-3881

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Date of Report: March 15, 2024
 Samples Submitted: March 8, 2024
 Laboratory Reference: 2403-108
 Project: 295062

VOLATILE ORGANICS EPA 8260D
 page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID: TP-1-6-030824						
Laboratory ID: 03-108-06						
Dichlorodifluoromethane	ND	0.0013	EPA 8260D	3-11-24	3-11-24	
Chloromethane	ND	0.0066	EPA 8260D	3-11-24	3-11-24	
Vinyl Chloride	ND	0.0013	EPA 8260D	3-11-24	3-11-24	
Bromomethane	ND	0.0097	EPA 8260D	3-11-24	3-11-24	
Chloroethane	ND	0.0066	EPA 8260D	3-11-24	3-11-24	
Trichlorofluoromethane	ND	0.0013	EPA 8260D	3-11-24	3-11-24	
1,1-Dichloroethene	ND	0.0013	EPA 8260D	3-11-24	3-11-24	
Acetone	ND	0.013	EPA 8260D	3-11-24	3-11-24	
Iodomethane	ND	0.010	EPA 8260D	3-11-24	3-11-24	
Carbon Disulfide	ND	0.0013	EPA 8260D	3-11-24	3-11-24	
Methylene Chloride	ND	0.0066	EPA 8260D	3-11-24	3-11-24	
(trans) 1,2-Dichloroethene	ND	0.0013	EPA 8260D	3-11-24	3-11-24	
Methyl t-Butyl Ether	ND	0.0013	EPA 8260D	3-11-24	3-11-24	
1,1-Dichloroethane	ND	0.0013	EPA 8260D	3-11-24	3-11-24	
Vinyl Acetate	ND	0.0066	EPA 8260D	3-11-24	3-11-24	
2,2-Dichloropropane	ND	0.0013	EPA 8260D	3-11-24	3-11-24	
(cis) 1,2-Dichloroethene	ND	0.0013	EPA 8260D	3-11-24	3-11-24	
2-Butanone	ND	0.0066	EPA 8260D	3-11-24	3-11-24	
Bromochloromethane	ND	0.0013	EPA 8260D	3-11-24	3-11-24	
Chloroform	ND	0.0013	EPA 8260D	3-11-24	3-11-24	
1,1,1-Trichloroethane	ND	0.0013	EPA 8260D	3-11-24	3-11-24	
Carbon Tetrachloride	ND	0.0013	EPA 8260D	3-11-24	3-11-24	
1,1-Dichloropropene	ND	0.0013	EPA 8260D	3-11-24	3-11-24	
Benzene	ND	0.0013	EPA 8260D	3-11-24	3-11-24	
1,2-Dichloroethane	ND	0.0013	EPA 8260D	3-11-24	3-11-24	
Trichloroethene	ND	0.0013	EPA 8260D	3-11-24	3-11-24	
1,2-Dichloropropane	ND	0.0013	EPA 8260D	3-11-24	3-11-24	
Dibromomethane	ND	0.0013	EPA 8260D	3-11-24	3-11-24	
Bromodichloromethane	ND	0.0013	EPA 8260D	3-11-24	3-11-24	
2-Chloroethyl Vinyl Ether	ND	0.0066	EPA 8260D	3-11-24	3-11-24	
(cis) 1,3-Dichloropropene	ND	0.0013	EPA 8260D	3-11-24	3-11-24	
Methyl Isobutyl Ketone	ND	0.0066	EPA 8260D	3-11-24	3-11-24	
Toluene	ND	0.0066	EPA 8260D	3-11-24	3-11-24	



Date of Report: March 15, 2024
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VOLATILE ORGANICS EPA 8260D

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	TP-1-6-030824					
Laboratory ID:	03-108-06					
(trans) 1,3-Dichloropropene	ND	0.0013	EPA 8260D	3-11-24	3-11-24	
1,1,2-Trichloroethane	ND	0.0013	EPA 8260D	3-11-24	3-11-24	
Tetrachloroethene	ND	0.0013	EPA 8260D	3-11-24	3-11-24	
1,3-Dichloropropane	ND	0.0013	EPA 8260D	3-11-24	3-11-24	
2-Hexanone	ND	0.0066	EPA 8260D	3-11-24	3-11-24	
Dibromochloromethane	ND	0.0013	EPA 8260D	3-11-24	3-11-24	
1,2-Dibromoethane	ND	0.0013	EPA 8260D	3-11-24	3-11-24	
Chlorobenzene	ND	0.0013	EPA 8260D	3-11-24	3-11-24	
1,1,1,2-Tetrachloroethane	ND	0.0013	EPA 8260D	3-11-24	3-11-24	
Ethylbenzene	ND	0.0013	EPA 8260D	3-11-24	3-11-24	
m,p-Xylene	ND	0.0026	EPA 8260D	3-11-24	3-11-24	
o-Xylene	ND	0.0013	EPA 8260D	3-11-24	3-11-24	
Styrene	ND	0.0013	EPA 8260D	3-11-24	3-11-24	
Bromoform	ND	0.0066	EPA 8260D	3-11-24	3-11-24	
Isopropylbenzene	ND	0.0013	EPA 8260D	3-11-24	3-11-24	
Bromobenzene	ND	0.0013	EPA 8260D	3-11-24	3-11-24	
1,1,2,2-Tetrachloroethane	ND	0.0013	EPA 8260D	3-11-24	3-11-24	
1,2,3-Trichloropropane	ND	0.0013	EPA 8260D	3-11-24	3-11-24	
n-Propylbenzene	ND	0.0013	EPA 8260D	3-11-24	3-11-24	
2-Chlorotoluene	ND	0.0013	EPA 8260D	3-11-24	3-11-24	
4-Chlorotoluene	ND	0.0013	EPA 8260D	3-11-24	3-11-24	
1,3,5-Trimethylbenzene	ND	0.0013	EPA 8260D	3-11-24	3-11-24	
tert-Butylbenzene	ND	0.0013	EPA 8260D	3-11-24	3-11-24	
1,2,4-Trimethylbenzene	ND	0.0013	EPA 8260D	3-11-24	3-11-24	
sec-Butylbenzene	ND	0.0013	EPA 8260D	3-11-24	3-11-24	
1,3-Dichlorobenzene	ND	0.0013	EPA 8260D	3-11-24	3-11-24	
p-Isopropyltoluene	ND	0.0013	EPA 8260D	3-11-24	3-11-24	
1,4-Dichlorobenzene	ND	0.0013	EPA 8260D	3-11-24	3-11-24	
1,2-Dichlorobenzene	ND	0.0013	EPA 8260D	3-11-24	3-11-24	
n-Butylbenzene	ND	0.0013	EPA 8260D	3-11-24	3-11-24	
1,2-Dibromo-3-chloropropane	ND	0.0066	EPA 8260D	3-11-24	3-11-24	
1,2,4-Trichlorobenzene	ND	0.0013	EPA 8260D	3-11-24	3-11-24	
Hexachlorobutadiene	ND	0.0066	EPA 8260D	3-11-24	3-11-24	
Naphthalene	ND	0.0066	EPA 8260D	3-11-24	3-11-24	
1,2,3-Trichlorobenzene	ND	0.0013	EPA 8260D	3-11-24	3-11-24	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>105</i>	<i>75-130</i>				
<i>Toluene-d8</i>	<i>97</i>	<i>78-128</i>				
<i>4-Bromofluorobenzene</i>	<i>97</i>	<i>71-130</i>				



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Date of Report: March 15, 2024
 Samples Submitted: March 8, 2024
 Laboratory Reference: 2403-108
 Project: 295062

**VOLATILE ORGANICS EPA 8260D
 QUALITY CONTROL**

page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0311S1					
Dichlorodifluoromethane	ND	0.0010	EPA 8260D	3-11-24	3-11-24	
Chloromethane	ND	0.0050	EPA 8260D	3-11-24	3-11-24	
Vinyl Chloride	ND	0.0010	EPA 8260D	3-11-24	3-11-24	
Bromomethane	ND	0.0074	EPA 8260D	3-11-24	3-11-24	
Chloroethane	ND	0.0050	EPA 8260D	3-11-24	3-11-24	
Trichlorofluoromethane	ND	0.0010	EPA 8260D	3-11-24	3-11-24	
1,1-Dichloroethene	ND	0.0010	EPA 8260D	3-11-24	3-11-24	
Acetone	ND	0.010	EPA 8260D	3-11-24	3-11-24	
Iodomethane	ND	0.0076	EPA 8260D	3-11-24	3-11-24	
Carbon Disulfide	ND	0.0010	EPA 8260D	3-11-24	3-11-24	
Methylene Chloride	ND	0.0050	EPA 8260D	3-11-24	3-11-24	
(trans) 1,2-Dichloroethene	ND	0.0010	EPA 8260D	3-11-24	3-11-24	
Methyl t-Butyl Ether	ND	0.0010	EPA 8260D	3-11-24	3-11-24	
1,1-Dichloroethane	ND	0.0010	EPA 8260D	3-11-24	3-11-24	
Vinyl Acetate	ND	0.0050	EPA 8260D	3-11-24	3-11-24	
2,2-Dichloropropane	ND	0.0010	EPA 8260D	3-11-24	3-11-24	
(cis) 1,2-Dichloroethene	ND	0.0010	EPA 8260D	3-11-24	3-11-24	
2-Butanone	ND	0.0050	EPA 8260D	3-11-24	3-11-24	
Bromochloromethane	ND	0.0010	EPA 8260D	3-11-24	3-11-24	
Chloroform	ND	0.0010	EPA 8260D	3-11-24	3-11-24	
1,1,1-Trichloroethane	ND	0.0010	EPA 8260D	3-11-24	3-11-24	
Carbon Tetrachloride	ND	0.0010	EPA 8260D	3-11-24	3-11-24	
1,1-Dichloropropene	ND	0.0010	EPA 8260D	3-11-24	3-11-24	
Benzene	ND	0.0010	EPA 8260D	3-11-24	3-11-24	
1,2-Dichloroethane	ND	0.0010	EPA 8260D	3-11-24	3-11-24	
Trichloroethene	ND	0.0010	EPA 8260D	3-11-24	3-11-24	
1,2-Dichloropropane	ND	0.0010	EPA 8260D	3-11-24	3-11-24	
Dibromomethane	ND	0.0010	EPA 8260D	3-11-24	3-11-24	
Bromodichloromethane	ND	0.0010	EPA 8260D	3-11-24	3-11-24	
2-Chloroethyl Vinyl Ether	ND	0.0050	EPA 8260D	3-11-24	3-11-24	
(cis) 1,3-Dichloropropene	ND	0.0010	EPA 8260D	3-11-24	3-11-24	
Methyl Isobutyl Ketone	ND	0.0050	EPA 8260D	3-11-24	3-11-24	
Toluene	ND	0.0050	EPA 8260D	3-11-24	3-11-24	



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Date of Report: March 15, 2024
 Samples Submitted: March 8, 2024
 Laboratory Reference: 2403-108
 Project: 295062

**VOLATILE ORGANICS EPA 8260D
 QUALITY CONTROL**

page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0311S1					
(trans) 1,3-Dichloropropene	ND	0.0010	EPA 8260D	3-11-24	3-11-24	
1,1,2-Trichloroethane	ND	0.0010	EPA 8260D	3-11-24	3-11-24	
Tetrachloroethene	ND	0.0010	EPA 8260D	3-11-24	3-11-24	
1,3-Dichloropropane	ND	0.0010	EPA 8260D	3-11-24	3-11-24	
2-Hexanone	ND	0.0050	EPA 8260D	3-11-24	3-11-24	
Dibromochloromethane	ND	0.0010	EPA 8260D	3-11-24	3-11-24	
1,2-Dibromoethane	ND	0.0010	EPA 8260D	3-11-24	3-11-24	
Chlorobenzene	ND	0.0010	EPA 8260D	3-11-24	3-11-24	
1,1,1,2-Tetrachloroethane	ND	0.0010	EPA 8260D	3-11-24	3-11-24	
Ethylbenzene	ND	0.0010	EPA 8260D	3-11-24	3-11-24	
m,p-Xylene	ND	0.0020	EPA 8260D	3-11-24	3-11-24	
o-Xylene	ND	0.0010	EPA 8260D	3-11-24	3-11-24	
Styrene	ND	0.0010	EPA 8260D	3-11-24	3-11-24	
Bromoform	ND	0.0050	EPA 8260D	3-11-24	3-11-24	
Isopropylbenzene	ND	0.0010	EPA 8260D	3-11-24	3-11-24	
Bromobenzene	ND	0.0010	EPA 8260D	3-11-24	3-11-24	
1,1,2,2-Tetrachloroethane	ND	0.0010	EPA 8260D	3-11-24	3-11-24	
1,2,3-Trichloropropane	ND	0.0010	EPA 8260D	3-11-24	3-11-24	
n-Propylbenzene	ND	0.0010	EPA 8260D	3-11-24	3-11-24	
2-Chlorotoluene	ND	0.0010	EPA 8260D	3-11-24	3-11-24	
4-Chlorotoluene	ND	0.0010	EPA 8260D	3-11-24	3-11-24	
1,3,5-Trimethylbenzene	ND	0.0010	EPA 8260D	3-11-24	3-11-24	
tert-Butylbenzene	ND	0.0010	EPA 8260D	3-11-24	3-11-24	
1,2,4-Trimethylbenzene	ND	0.0010	EPA 8260D	3-11-24	3-11-24	
sec-Butylbenzene	ND	0.0010	EPA 8260D	3-11-24	3-11-24	
1,3-Dichlorobenzene	ND	0.0010	EPA 8260D	3-11-24	3-11-24	
p-Isopropyltoluene	ND	0.0010	EPA 8260D	3-11-24	3-11-24	
1,4-Dichlorobenzene	ND	0.0010	EPA 8260D	3-11-24	3-11-24	
1,2-Dichlorobenzene	ND	0.0010	EPA 8260D	3-11-24	3-11-24	
n-Butylbenzene	ND	0.0020	EPA 8260D	3-11-24	3-11-24	
1,2-Dibromo-3-chloropropane	ND	0.0050	EPA 8260D	3-11-24	3-11-24	
1,2,4-Trichlorobenzene	ND	0.0010	EPA 8260D	3-11-24	3-11-24	
Hexachlorobutadiene	ND	0.0050	EPA 8260D	3-11-24	3-11-24	
Naphthalene	ND	0.0050	EPA 8260D	3-11-24	3-11-24	
1,2,3-Trichlorobenzene	ND	0.0010	EPA 8260D	3-11-24	3-11-24	
Surrogate:	Percent Recovery	Control Limits				
Dibromofluoromethane	101	75-130				
Toluene-d8	96	78-128				
4-Bromofluorobenzene	96	71-130				



OnSite Environmental, Inc. 14648 NE 95th Street, Redmond, WA 98052 (425) 883-3881

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: March 15, 2024
 Samples Submitted: March 8, 2024
 Laboratory Reference: 2403-108
 Project: 295062

VOLATILE ORGANICS EPA 8260D
QUALITY CONTROL

page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result		Spike Level		Percent		Recovery		RPD	
					Recovery		Limits		RPD	Limit
SPIKE BLANKS										
Laboratory ID:	SB0311S1									
	SB	SBD	SB	SBD	SB	SBD				
Dichlorodifluoromethane	0.0491	0.0472	0.0500	0.0500	98	94	30-160	4	26	
Chloromethane	0.0458	0.0455	0.0500	0.0500	92	91	59-131	1	26	
Vinyl Chloride	0.0468	0.0487	0.0500	0.0500	94	97	68-136	4	23	
Bromomethane	0.0336	0.0370	0.0500	0.0500	67	74	48-155	10	32	
Chloroethane	0.0415	0.0429	0.0500	0.0500	83	86	67-141	3	16	
Trichlorofluoromethane	0.0453	0.0459	0.0500	0.0500	91	92	76-127	1	19	
1,1-Dichloroethene	0.0476	0.0477	0.0500	0.0500	95	95	75-129	0	19	
Acetone	0.0490	0.0606	0.0500	0.0500	98	121	49-158	21	37	
Iodomethane	0.0327	0.0380	0.0500	0.0500	65	76	37-140	15	27	
Carbon Disulfide	0.0422	0.0455	0.0500	0.0500	84	91	41-143	8	19	
Methylene Chloride	0.0416	0.0421	0.0500	0.0500	83	84	60-124	1	18	
(trans) 1,2-Dichloroethene	0.0464	0.0474	0.0500	0.0500	93	95	79-133	2	15	
Methyl t-Butyl Ether	0.0464	0.0492	0.0500	0.0500	93	98	73-125	6	17	
1,1-Dichloroethane	0.0483	0.0492	0.0500	0.0500	97	98	79-125	2	17	
Vinyl Acetate	0.0491	0.0536	0.0500	0.0500	98	107	51-145	9	41	
2,2-Dichloropropane	0.0504	0.0515	0.0500	0.0500	101	103	79-126	2	18	
(cis) 1,2-Dichloroethene	0.0483	0.0485	0.0500	0.0500	97	97	75-131	0	15	
2-Butanone	0.0476	0.0543	0.0500	0.0500	95	109	54-145	13	32	
Bromochloromethane	0.0485	0.0491	0.0500	0.0500	97	98	80-126	1	15	
Chloroform	0.0471	0.0476	0.0500	0.0500	94	95	80-123	1	15	
1,1,1-Trichloroethane	0.0484	0.0483	0.0500	0.0500	97	97	78-124	0	21	
Carbon Tetrachloride	0.0493	0.0499	0.0500	0.0500	99	100	74-127	1	18	
1,1-Dichloropropene	0.0471	0.0477	0.0500	0.0500	94	95	80-123	1	15	
Benzene	0.0463	0.0475	0.0500	0.0500	93	95	80-122	3	18	
1,2-Dichloroethane	0.0482	0.0486	0.0500	0.0500	96	97	75-124	1	15	
Trichloroethene	0.0474	0.0477	0.0500	0.0500	95	95	80-129	1	18	
1,2-Dichloropropane	0.0460	0.0483	0.0500	0.0500	92	97	80-123	5	15	
Dibromomethane	0.0503	0.0521	0.0500	0.0500	101	104	80-123	4	15	
Bromodichloromethane	0.0517	0.0518	0.0500	0.0500	103	104	80-129	0	15	
(cis) 1,3-Dichloropropene	0.0518	0.0528	0.0500	0.0500	104	106	80-130	2	15	
Methyl Isobutyl Ketone	0.0505	0.0552	0.0500	0.0500	101	110	63-137	9	27	
Toluene	0.0475	0.0482	0.0500	0.0500	95	96	80-120	1	18	
(trans) 1,3-Dichloropropene	0.0491	0.0493	0.0500	0.0500	98	99	80-124	0	15	



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QUALITY CONTROL
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Analyte	Result		Spike Level		Percent		Recovery	RPD		
					Recovery	Limits	RPD	Limit	Flags	
SPIKE BLANKS										
Laboratory ID:	SB0311S1									
	SB	SBD	SB	SBD	SB	SBD				
1,1,2-Trichloroethane	0.0529	0.0546	0.0500	0.0500	106	109	80-120	3	15	
Tetrachloroethene	0.0486	0.0485	0.0500	0.0500	97	97	77-126	0	15	
1,3-Dichloropropane	0.0526	0.0537	0.0500	0.0500	105	107	77-123	2	15	
2-Hexanone	0.0535	0.0591	0.0500	0.0500	107	118	53-137	10	29	
Dibromochloromethane	0.0506	0.0506	0.0500	0.0500	101	101	80-128	0	16	
1,2-Dibromoethane	0.0555	0.0569	0.0500	0.0500	111	114	80-122	2	20	
Chlorobenzene	0.0531	0.0539	0.0500	0.0500	106	108	80-120	1	18	
1,1,1,2-Tetrachloroethane	0.0488	0.0488	0.0500	0.0500	98	98	80-120	0	15	
Ethylbenzene	0.0534	0.0541	0.0500	0.0500	107	108	80-120	1	15	
m,p-Xylene	0.101	0.104	0.100	0.100	101	104	80-120	3	15	
o-Xylene	0.0449	0.0455	0.0500	0.0500	90	91	80-120	1	15	
Styrene	0.0450	0.0459	0.0500	0.0500	90	92	80-122	2	15	
Bromoform	0.0511	0.0519	0.0500	0.0500	102	104	78-126	2	15	
Isopropylbenzene	0.0533	0.0542	0.0500	0.0500	107	108	80-125	2	15	
Bromobenzene	0.0573	0.0580	0.0500	0.0500	115	116	79-124	1	15	
1,1,2,2-Tetrachloroethane	0.0575	0.0591	0.0500	0.0500	115	118	75-122	3	17	
1,2,3-Trichloropropane	0.0579	0.0586	0.0500	0.0500	116	117	72-125	1	20	
n-Propylbenzene	0.0570	0.0572	0.0500	0.0500	114	114	77-126	0	16	
2-Chlorotoluene	0.0570	0.0572	0.0500	0.0500	114	114	75-128	0	15	
4-Chlorotoluene	0.0559	0.0558	0.0500	0.0500	112	112	78-127	0	16	
1,3,5-Trimethylbenzene	0.0490	0.0497	0.0500	0.0500	98	99	77-128	1	15	
tert-Butylbenzene	0.0561	0.0577	0.0500	0.0500	112	115	73-130	3	20	
1,2,4-Trimethylbenzene	0.0566	0.0571	0.0500	0.0500	113	114	77-125	1	16	
sec-Butylbenzene	0.0579	0.0591	0.0500	0.0500	116	118	75-130	2	17	
1,3-Dichlorobenzene	0.0589	0.0594	0.0500	0.0500	118	119	78-123	1	17	
p-Isopropyltoluene	0.0586	0.0598	0.0500	0.0500	117	120	75-130	2	18	
1,4-Dichlorobenzene	0.0564	0.0569	0.0500	0.0500	113	114	77-121	1	17	
1,2-Dichlorobenzene	0.0553	0.0552	0.0500	0.0500	111	110	80-120	0	15	
n-Butylbenzene	0.0505	0.0510	0.0500	0.0500	101	102	76-131	1	20	
1,2-Dibromo-3-chloropropane	0.0619	0.0658	0.0500	0.0500	124	132	61-137	6	28	
1,2,4-Trichlorobenzene	0.0575	0.0601	0.0500	0.0500	115	120	77-127	4	17	
Hexachlorobutadiene	0.0563	0.0554	0.0500	0.0500	113	111	77-125	2	22	
Naphthalene	0.0574	0.0609	0.0500	0.0500	115	122	68-129	6	19	
1,2,3-Trichlorobenzene	0.0575	0.0589	0.0500	0.0500	115	118	77-124	2	19	
Surrogate:										
Dibromofluoromethane					100	99	75-130			
Toluene-d8					98	98	78-128			
4-Bromofluorobenzene					97	98	71-130			



Date of Report: March 15, 2024
 Samples Submitted: March 8, 2024
 Laboratory Reference: 2403-108
 Project: 295062

% MOISTURE

Client ID	Lab ID	% Moisture	Date Analyzed
TP-2-1-030824	03-108-01	24	3-11-24
TP-2-3.5-030824	03-108-02	29	3-11-24
TP-2-6-030824	03-108-03	29	3-11-24
TP-1-1-030824	03-108-04	25	3-11-24
TP-1-4-030824	03-108-05	29	3-11-24
TP-1-6-030824	03-108-06	28	3-11-24





Data Qualifiers and Abbreviations

- A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.
- B - The analyte indicated was also found in the blank sample.
- C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.
- E - The value reported exceeds the quantitation range and is an estimate.
- F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.
- H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.
- I - Compound recovery is outside of the control limits.
- J - The value reported was below the practical quantitation limit. The value is an estimate.
- K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.
- L - The RPD is outside of the control limits.
- M - Hydrocarbons in the gasoline range are impacting the diesel range result.
- M1 - Hydrocarbons in the gasoline range (toluene-naphthalene) are present in the sample.
- N - Hydrocarbons in the lube oil range are impacting the diesel range result.
- N1 - Hydrocarbons in diesel range are impacting lube oil range results.
- O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.
- P - The RPD of the detected concentrations between the two columns is greater than 40.
- Q - Surrogate recovery is outside of the control limits.
- S - Surrogate recovery data is not available due to the necessary dilution of the sample.
- T - The sample chromatogram is not similar to a typical _____.
- U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
- U1 - The practical quantitation limit is elevated due to interferences present in the sample.
- V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.
- W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.
- X - Sample extract treated with a mercury cleanup procedure.
- X1 - Sample extract treated with a sulfuric acid/silica gel cleanup procedure.
- X2 - Sample extract treated with a silica gel cleanup procedure.
- Y - The calibration verification for this analyte exceeded the 20% drift specified in methods 8260 & 8270, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.
- Y1 - Negative effects of the matrix from this sample on the instrument caused values for this analyte in the bracketing continuing calibration verification standard (CCVs) to be outside of 20% acceptance criteria. Because of this, quantitation limits and sample concentrations should be considered estimates.
- Z -
- ND - Not Detected at PQL
- PQL - Practical Quantitation Limit
- RPD - Relative Percent Difference





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Chain of Custody

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Technical Memorandum

To: Wei Yang - Xinghua Group, LTD

From: August Welch, LG – CDM Smith

Date: June 14, 2024

Subject: Test Pit Soil Sampling Results – 2885 78th Ave SE, Mercer Island, Washington

Introduction

CDM Smith Inc. (CDM Smith) is pleased to provide Xinghua Group Ltd (Xinghua) with this technical memorandum documenting the soil sampling activities performed on May 28, 2024. The purpose of the soil sampling event was to characterize potential impacted soils prior to construction and excavation activities during redevelopment of the Mercer Island Property (formerly known as the King Property) located at 2885 78th Ave SE, Mercer Island, Washington (site). CDM Smith understands that Xinghua plans to demolish the building and re-develop the property, including the excavation and construction of a new building to include a sub-grade floor level. It is CDM Smith's understanding that removal and disposal of impacted soil will be conducted concurrently with redevelopment activities. Remedial actions, if any, will be conducted as an independent cleanup action.

Background

Multiple environmental due diligence investigations were conducted at this site between 2012 and 2018 including three Phase 1 Environmental Site Assessments, a limited subsurface investigation, and a limited supplemental Phase 2 environmental site investigation. The investigations identified low level concentrations of tetrachloroethene (PCE) and total petroleum hydrocarbons (TPH) in site soils and groundwater. With the exception of one shallow soil sample where oil-range TPH was detected, during these investigations, no soil or groundwater samples exceeded the Model Toxics Control Act (MTCA) Method A cleanup levels. In August 2021, CDM Smith prepared a Compliance Monitoring Plan/Environmental Media Management Plan (CMP-EMMP) to support construction during remedial excavation activities which is intended to address these impacted soils and assist with soil handling and disposal.

As a part of the construction permitting process, Xinghua is in the process of obtaining a construction stormwater permit from the Washington State Department of Ecology. On February 29, 2024, CDM Smith collected groundwater samples from the monitoring wells MW-1 through MW-5 at the site. On March 9, 2024, soil sampling at two test pits (TR-1 and TP-2) excavated adjacent to the former dry cleaner building was performed to supplement historical soil sampling data and to provide initial pre-characterization soil data for construction planning. Findings of the groundwater and test pit sampling were documented in CDM Smith's Groundwater and Soil Sampling Results Technical Memorandum, dated March 23, 2024. During this sampling event, groundwater elevations ranged from 79.57 feet above mean sea level (amsl) in the southwestern portion of the site at MW-3 to 83.32 ft amsl with a southwesterly groundwater gradient. The analytical results of groundwater sampling indicate that

volatile organic compounds (VOCs) were not present at concentrations greater than the laboratory reporting limits in any of the groundwater samples collected from the monitoring wells MW-1 through MW-5. Lube oil-range total petroleum hydrocarbons (TPH-O) were detected in the groundwater samples collected from MW-1 and MW-2. The result of 0.51 mg/L in the groundwater sample collected from MW-2 slightly exceeds the MTCA Method A cleanup level of 0.5 mg/L. Soil samples collected from two test pit excavations advanced to 6 ft bgs in the vicinity of MW-5, did not contain any contaminants of concern (total petroleum hydrocarbons and chlorinated VOCs) at concentrations exceeding the laboratory reporting limits.

This memorandum documents the May 28, 2024 excavation of eight additional test pits and collection of soil samples for laboratory analysis to further assist in planning for construction work and provide supporting data for the construction stormwater permit.

Field Methods

On May 28, 2024, CDM Smith collected soil samples from eight test pit excavations advanced in the area of the former dry cleaner building. The locations of the test pits are shown on **Figure 1**. The construction contractor, R Miller, excavated the test pits using a backhoe. Each test pit was excavated to 6 feet below ground surface (bgs). CDM Smith examined the excavated soil, and field screened the excavated soils for the presence of volatile organic compounds using a photoionization detector. Soil samples were collected from each test pit at depths of approximately 0.5 ft, 3.5 ft and 6 ft. Soil samples were collected directly from the backhoe bucket and samples for VOC analysis were collected using EPA Method 5035 for the preservation of volatiles. Selected samples were submitted to OnSite under chain of custody protocol for the following analyses:

- Volatile Organic Compounds (VOCs) by EPA Method 8260D, and
- Diesel- and oil-range TPH by Northwest Method NWTPH-Dx.

Following collection of the soil samples, the test pits were backfilled using the excavated soils and compacted using the backhoe bucket.

Findings

Soils encountered during test pit excavations were generally silt or silty sand in the upper foot, which was characterized as fill material. Underlying the fill, the soil was generally bluish gray clay with varying amounts of fine sand near the bottom of the excavations at 6 feet bgs. Results of field screening and visual observations did not note any evidence for contamination in any of the test pits. Groundwater was encountered across the site between 3.5 to 6 feet bgs.

Based on CDM Smith's review of the laboratory results for soil samples, the laboratory followed their appropriate Quality Control/Quality Assurance (QA/QC) procedures, and the data are considered acceptable for use on this project. The analytical results of soil sampling are summarized in **Table 1**. The analytical laboratory report is included as **Attachment A**. TPH-O was detected in the sample collected from TP-10 at the 0-0.5 ft interval at a concentration of 140 mg; however, the concentration of is well less than the MTCA Method A Cleanup level. Soil samples from the test pit, TP-9 were analyzed for VOCs and chlorinated solvents (PCE and related breakdown products) were not detected in any soil sample at concentrations exceeding the laboratory reporting limits. Trace detections of Acetone, 2-butanone and carbon disulfide were present in the samples; however, acetone and 2-butanone are common

Mr. Wei Yang, Xinghua Group, LTD

June 14, 2024

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laboratory contaminants and trace detections of these compounds is unlikely to be related to historical dry cleaning activities.

Conclusions

The analytical results of soil sampling indicate that TPH-O was detected in one soil sample collected from TP-10 at 0.5 feet bgs. The result of 140 milligrams per kilogram (mg/kg) in the soil sample collected from TP-10 does not exceed the MTCA Method A cleanup level of 2,000 mg/kg. TPH-D or TPH-O were not detected at concentrations greater than the laboratory reporting limits in any of the other samples analyzed. VOCs were not present at concentrations greater than the laboratory reporting limits in any of the soil samples collected from the test pit TP-9 with the exception of trace detections of acetone, 2-butanone and carbon disulfide, which are considered insignificant. Additional characterization of PCE impacted soils in the area beneath the former dry cleaner is planned after demolition of the building and removal of the slab.

CDM Smith appreciates the opportunity to assist Xinghua Group, Ltd on this project. Please contact me at (425) 519-8352 with any questions.

Sincerely,



August Welch, LG

CDM Smith

425-519-8352

cc: Megan McKay, Johnston Architects
Ryan Healy and Marc Luedke, R. Miller Inc.
Winnie Lai, KPFF
Richard Martin, Richard Martin Groundwater
Ben Blanchette, Haley Aldrich
Duncan Medlin, Clearwater Services

Attachments:

Table 1 – Soil Analytical Results

Figure 1 – Site Plan with Sample Locations

Attachment A – Analytical Laboratory Reports



Tables

Table 1
Soil Analytical Results
Xinghua Group - Mercer Island 78th Ave
Mercer Island, Washington

Analytical Method and Analyte		MTCA Method A Soil Cleanup Level* (mg/kg)	Sample ID (Boring ID and Depth in feet bgs) and Date Sampled											
			TP-1-1	TP-1-4	TP-1-6	TP-2-1	TP-2-3.5	TP-2-6	TP-3-S -1ft	TP-3-S-6ft	TP-4-S-0.5ft	TP-4-S-4ft	TP-5-S-1ft	TP-5-S-3.5ft
			3/8/2024	3/8/2024	3/8/2024	3/8/2024	3/8/2024	3/8/2024	5/28/2024	5/28/2024	5/28/2024	5/28/2024	5/28/2024	5/28/2024
NWTPH-Dx (mg/kg)														
Diesel Range Organics		2,000	<33	<35	<35	<33	<35	<35	<26	<29	<30	<30	<28	<28
Lube Oil		2,000	<66	<70	<69	<66	<70	<70	<52	<58	<59	<60	<56	<56
Selected Volatile Organic Compounds (mg/kg)														
EPA 8260D														
Acetone		NE	0.043	<0.013	<0.013	<0.0099	0.055	0.028	--	--	--	--	--	--
2-Butanone		NE	<0.0059	<0.0065	<0.0066	<0.0050	0.0081	<0.0070	--	--	--	--	--	--
Benzene		0.03	<0.0012	<0.0013	<0.0013	<0.00099	<0.0013	<0.0014	--	--	--	--	--	--
Toluene		7	<0.0059	<0.0065	<0.0066	<0.0050	<0.0065	<0.0070	--	--	--	--	--	--
Ethylbenzene		6	<0.0012	<0.0013	<0.0013	<0.00099	<0.0013	<0.0014	--	--	--	--	--	--
m, p-Xylene		NE	<0.0024	<0.0026	<0.0026	<0.0020	<0.0026	<0.0028	--	--	--	--	--	--
o-Xylene		NE	<0.0012	<0.0013	<0.0013	<0.00099	<0.0013	<0.0014	--	--	--	--	--	--
Total Xylenes ^b		9 ^c	<0.0036	<0.0039	<0.0039	<0.00299	<0.0039	<0.0042	--	--	--	--	--	--
PCE		0.05	<0.0012	<0.0013	<0.0013	<0.00099	<0.0013	<0.0014	--	--	--	--	--	--
TCE		0.03	<0.0012	<0.0013	<0.0013	<0.00099	<0.0013	<0.0014	--	--	--	--	--	--
cis-1,2-DCE		NE	<0.0012	<0.0013	<0.0013	<0.00099	<0.0013	<0.0014	--	--	--	--	--	--
trans-1,2-DCE		NE	<0.0012	<0.0013	<0.0013	<0.00099	<0.0013	<0.0014	--	--	--	--	--	--
Vinyl Chloride		NE	<0.0012	<0.0013	<0.0013	<0.0050	<0.0013	<0.0014	--	--	--	--	--	--

Notes:
Bolded values are detected analytes at the listed concentration.
Boxed values exceed the MTCA cleanup Level.
a) Washington State Department of Ecology Model Toxics Control Act (MTCA)
Method A soil cleanup level for unrestricted land use, Chapter 173-340 WAC, Revised 2013.
b) Total value and cleanup level for total xylenes is based on the sum of m, p-xylene and o-xylene.
< - analyte not detected at or greater than the listed concentration.
mg/kg - milligrams per kilogram
NE - Not Established
-- - Not Analyzed
Y - The calibration verification for this analyte exceeded the 20% drift specified in methods 8260 & 8270, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.

Table 1
Soil Analytical Results
Xinghua Group - Mercer Island 78th Ave
Mercer Island, Washington

Analytical Method and Analyte		MTCA Method A Soil Cleanup Level* (mg/kg)	Sample ID (Boring ID and Depth in feet bgs) and Date Sampled											
			TP-6-S-0.5ft	TP-6-S-3.5ft	TP-7-S-0.5ft	TP-7-S-4ft	TP-8-S-1ft	TP-8-S-4ft	TP-9-S-1ft	TP-9-S-2ft	TP-9-S-3.5ft	TP-10-S-0.5ft	TP-10-S-3.5ft	
			5/28/2024	5/28/2024	5/28/2024	5/28/2024	5/28/2024	5/28/2024	5/28/2024	5/28/2024	5/28/2024	5/28/2024	5/28/2024	
NWTPH-Dx (mg/kg)														
Diesel Range Organics	2,000	<31	<35	<29	<34	<27	<35	<33	--	<27	<30	<36		
Lube Oil	2,000	<61	<70	<58	<68	<54	<70	<65	--	<55	140	<72		
Selected Volatile Organic Compounds (mg/kg)														
EPA 8260D														
Acetone	NE	--	--	--	--	--	--	--	<0.010	0.44 Y	--	--	--	
2-Butanone	NE	--	--	--	--	--	--	--	<0.0052	0.085	--	--	--	
Benzene	0.03	--	--	--	--	--	--	--	<0.0010	<0.0019	--	--	--	
Toluene	7	--	--	--	--	--	--	--	<0.0052	<0.0094	--	--	--	
Ethylbenzene	6	--	--	--	--	--	--	--	<0.0010	<0.0019	--	--	--	
m, p-Xylene	NE	--	--	--	--	--	--	--	<0.0021	<0.0037	--	--	--	
o-Xylene	NE	--	--	--	--	--	--	--	<0.0010	<0.0019	--	--	--	
Total Xylenes ^b	9 ^c	--	--	--	--	--	--	--	<0.0031	<0.0056	--	--	--	
PCE	0.05	--	--	--	--	--	--	--	<0.0010	<0.0019	--	--	--	
TCE	0.03	--	--	--	--	--	--	--	<0.0010	<0.0019	--	--	--	
cis-1,2-DCE	NE	--	--	--	--	--	--	--	<0.0010	<0.0019	--	--	--	
trans-1,2-DCE	NE	--	--	--	--	--	--	--	<0.0010	<0.0019	--	--	--	
Vinyl Chloride	NE	--	--	--	--	--	--	--	<0.0010	<0.0019	--	--	--	

Notes:
Bolded values are detected analytes at the listed concentration.
Boxed values exceed the MTCA cleanup Level.
a) Washington State Department of Ecology Model Toxics Control Act (MTCA)
Method A soil cleanup level for unrestricted land use, Chapter 173-340 WAC, Revised 2013.
b) Total value and cleanup level for total xylenes is based on the sum of m, p-xylene and o-xylene.
< - analyte not detected at or greater than the listed concentration.
mg/kg - milligrams per kilogram
NE - Not Established
-- - Not Analyzed
Y - The calibration verification for this analyte exceeded the 20% drift specified in methods 8260 & 8270, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.



Figures

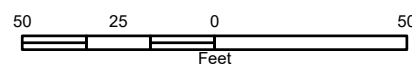


Legend

- State of Washington
- Parcel Boundary
- Approximate Location of Former Dry Cleaner
- ★ State Capital
- Major City
- Location of Project Site
- Approximate Location of Dry Cleaning Machine
- + Groundwater Monitoring Well
- Test Pit

Notes:

1. Geographic data for the study area was projected using coordinate system North American Datum 1983 State Plane, Washington North (US Feet).
2. Aerial Source(s): ESRI, DigitalGlobe, USGS, 2024
3. Monitoring well and test pit locations are approximate.





Attachment A – Laboratory Reports



14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

June 5, 2024

August Welch
CDM Smith, Inc.
14432 SE Eastgate Way, Suite 100
Bellevue, WA 98007-6493

Re: Analytical Data for Project 295062
Laboratory Reference No. 2405-402

Dear August:

Enclosed are the analytical results and associated quality control data for samples submitted on May 29, 2024.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

A handwritten signature in black ink, appearing to read "D. Baumeister", with a long horizontal flourish extending to the right.

David Baumeister
Project Manager

Enclosures



OnSite Environmental, Inc. 14648 NE 95th Street, Redmond, WA 98052 (425) 883-3881

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: June 5, 2024
Samples Submitted: May 29, 2024
Laboratory Reference: 2405-402
Project: 295062

Case Narrative

Samples were collected on May 28, 2024 and received by the laboratory on May 29, 2024. They were maintained at the laboratory at a temperature of 2°C to 6°C.

Please note that any and all soil sample results are reported on a dry-weight basis, unless otherwise noted below. However the soil results for the QA/QC samples are reported on a wet-weight basis.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.



Date of Report: June 5, 2024
 Samples Submitted: May 29, 2024
 Laboratory Reference: 2405-402
 Project: 295062

**DIESEL AND HEAVY OIL RANGE ORGANICS
 NWTPH-Dx**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	TP-10-S-3.5ft					
Laboratory ID:	05-402-01					
Diesel Range Organics	ND	36	NWTPH-Dx	5-30-24	5-30-24	
Lube Oil Range Organics	ND	72	NWTPH-Dx	5-30-24	5-30-24	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	71	50-150				

Client ID:	TP-10-S-0.5ft					
Laboratory ID:	05-402-02					
Diesel Range Organics	ND	30	NWTPH-Dx	5-30-24	5-30-24	
Lube Oil	140	61	NWTPH-Dx	5-30-24	5-30-24	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	83	50-150				

Client ID:	TP-9-S-1ft					
Laboratory ID:	05-402-03					
Diesel Range Organics	ND	27	NWTPH-Dx	5-30-24	5-30-24	
Lube Oil Range Organics	ND	55	NWTPH-Dx	5-30-24	5-30-24	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	72	50-150				

Client ID:	TP-9-S-3.5ft					
Laboratory ID:	05-402-05					
Diesel Range Organics	ND	33	NWTPH-Dx	5-30-24	5-30-24	
Lube Oil Range Organics	ND	65	NWTPH-Dx	5-30-24	5-30-24	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	65	50-150				

Client ID:	TP-8-S-1ft					
Laboratory ID:	05-402-06					
Diesel Range Organics	ND	27	NWTPH-Dx	5-30-24	5-30-24	
Lube Oil Range Organics	ND	54	NWTPH-Dx	5-30-24	5-30-24	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	67	50-150				

Client ID:	TP-8-S-4ft					
Laboratory ID:	05-402-07					
Diesel Range Organics	ND	35	NWTPH-Dx	5-30-24	5-30-24	
Lube Oil Range Organics	ND	70	NWTPH-Dx	5-30-24	5-30-24	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	72	50-150				



Date of Report: June 5, 2024
 Samples Submitted: May 29, 2024
 Laboratory Reference: 2405-402
 Project: 295062

**DIESEL AND HEAVY OIL RANGE ORGANICS
 NWTPH-Dx**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	TP-7-S-0.5ft					
Laboratory ID:	05-402-08					
Diesel Range Organics	ND	29	NWTPH-Dx	5-30-24	5-30-24	
Lube Oil Range Organics	ND	58	NWTPH-Dx	5-30-24	5-30-24	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	78	50-150				

Client ID:	TP-7-S-4ft					
Laboratory ID:	05-402-09					
Diesel Range Organics	ND	34	NWTPH-Dx	5-30-24	5-30-24	
Lube Oil Range Organics	ND	68	NWTPH-Dx	5-30-24	5-30-24	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	73	50-150				

Client ID:	TP-6-S-0.5ft					
Laboratory ID:	05-402-10					
Diesel Range Organics	ND	31	NWTPH-Dx	5-30-24	5-30-24	
Lube Oil Range Organics	ND	61	NWTPH-Dx	5-30-24	5-30-24	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	77	50-150				

Client ID:	TP-6-S-3.5ft					
Laboratory ID:	05-402-11					
Diesel Range Organics	ND	35	NWTPH-Dx	5-30-24	5-30-24	
Lube Oil Range Organics	ND	70	NWTPH-Dx	5-30-24	5-30-24	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	64	50-150				

Client ID:	TP-5-S-1ft					
Laboratory ID:	05-402-13					
Diesel Range Organics	ND	28	NWTPH-Dx	5-30-24	5-30-24	
Lube Oil Range Organics	ND	56	NWTPH-Dx	5-30-24	5-30-24	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	64	50-150				

Client ID:	TP-5-S-3.5ft					
Laboratory ID:	05-402-14					
Diesel Range Organics	ND	28	NWTPH-Dx	5-30-24	5-30-24	
Lube Oil Range Organics	ND	56	NWTPH-Dx	5-30-24	5-30-24	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	73	50-150				



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Date of Report: June 5, 2024
 Samples Submitted: May 29, 2024
 Laboratory Reference: 2405-402
 Project: 295062

**DIESEL AND HEAVY OIL RANGE ORGANICS
 NWTPH-Dx**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	TP-4-S-0.5ft					
Laboratory ID:	05-402-15					
Diesel Range Organics	ND	30	NWTPH-Dx	5-30-24	5-30-24	
Lube Oil Range Organics	ND	59	NWTPH-Dx	5-30-24	5-30-24	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	73	50-150				

Client ID:	TP-4-S-4ft					
Laboratory ID:	05-402-16					
Diesel Range Organics	ND	30	NWTPH-Dx	5-30-24	5-30-24	
Lube Oil Range Organics	ND	60	NWTPH-Dx	5-30-24	5-30-24	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	71	50-150				

Client ID:	TP-3-S-1ft					
Laboratory ID:	05-402-17					
Diesel Range Organics	ND	26	NWTPH-Dx	5-30-24	5-30-24	
Lube Oil Range Organics	ND	52	NWTPH-Dx	5-30-24	5-30-24	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	76	50-150				

Client ID:	TP-3-S-6ft					
Laboratory ID:	05-402-18					
Diesel Range Organics	ND	29	NWTPH-Dx	5-30-24	5-30-24	
Lube Oil Range Organics	ND	58	NWTPH-Dx	5-30-24	5-30-24	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	74	50-150				



Date of Report: June 5, 2024
 Samples Submitted: May 29, 2024
 Laboratory Reference: 2405-402
 Project: 295062

**DIESEL AND HEAVY OIL RANGE ORGANICS
 NWTPH-Dx
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0530S1					
Diesel Range Organics	ND	25	NWTPH-Dx	5-30-24	5-30-24	
Lube Oil Range Organics	ND	50	NWTPH-Dx	5-30-24	5-30-24	
Surrogate:	Percent Recovery	Control Limits				
<i>o</i> -Terphenyl	74	50-150				

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	05-376-01							
	ORIG	DUP						
Diesel Range Organics	6050	5700	NA	NA	NA	NA	6	40
Lube Oil Range	ND	ND	NA	NA	NA	NA	NA	40
Surrogate:								
<i>o</i> -Terphenyl				85	85	50-150		
Laboratory ID:	05-389-02							
	ORIG	DUP						
Diesel Range	ND	ND	NA	NA	NA	NA	NA	40
Lube Oil Range	ND	ND	NA	NA	NA	NA	NA	40
Surrogate:								
<i>o</i> -Terphenyl				81	69	50-150		



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 Project: 295062

VOLATILE ORGANICS EPA 8260D

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Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	TP-9-S-1ft					
Laboratory ID:	05-402-03					
Dichlorodifluoromethane	ND	0.0010	EPA 8260D	5-29-24	5-29-24	
Chloromethane	ND	0.0052	EPA 8260D	5-29-24	5-29-24	
Vinyl Chloride	ND	0.0010	EPA 8260D	5-29-24	5-29-24	
Bromomethane	ND	0.0052	EPA 8260D	5-29-24	5-29-24	
Chloroethane	ND	0.0052	EPA 8260D	5-29-24	5-29-24	
Trichlorofluoromethane	ND	0.0010	EPA 8260D	5-29-24	5-29-24	
1,1-Dichloroethene	ND	0.0010	EPA 8260D	5-29-24	5-29-24	
Acetone	ND	0.010	EPA 8260D	5-29-24	5-29-24	
Iodomethane	ND	0.010	EPA 8260D	5-29-24	5-29-24	
Carbon Disulfide	ND	0.0010	EPA 8260D	5-29-24	5-29-24	
Methylene Chloride	ND	0.0052	EPA 8260D	5-29-24	5-29-24	
(trans) 1,2-Dichloroethene	ND	0.0010	EPA 8260D	5-29-24	5-29-24	
Methyl t-Butyl Ether	ND	0.0010	EPA 8260D	5-29-24	5-29-24	
1,1-Dichloroethane	ND	0.0010	EPA 8260D	5-29-24	5-29-24	
Vinyl Acetate	ND	0.0052	EPA 8260D	5-29-24	5-29-24	
2,2-Dichloropropane	ND	0.0010	EPA 8260D	5-29-24	5-29-24	
(cis) 1,2-Dichloroethene	ND	0.0010	EPA 8260D	5-29-24	5-29-24	
2-Butanone	ND	0.0052	EPA 8260D	5-29-24	5-29-24	
Bromochloromethane	ND	0.0010	EPA 8260D	5-29-24	5-29-24	
Chloroform	ND	0.0010	EPA 8260D	5-29-24	5-29-24	
1,1,1-Trichloroethane	ND	0.0010	EPA 8260D	5-29-24	5-29-24	
Carbon Tetrachloride	ND	0.0010	EPA 8260D	5-29-24	5-29-24	
1,1-Dichloropropene	ND	0.0010	EPA 8260D	5-29-24	5-29-24	
Benzene	ND	0.0010	EPA 8260D	5-29-24	5-29-24	
1,2-Dichloroethane	ND	0.0010	EPA 8260D	5-29-24	5-29-24	
Trichloroethene	ND	0.0010	EPA 8260D	5-29-24	5-29-24	
1,2-Dichloropropane	ND	0.0010	EPA 8260D	5-29-24	5-29-24	
Dibromomethane	ND	0.0010	EPA 8260D	5-29-24	5-29-24	
Bromodichloromethane	ND	0.0010	EPA 8260D	5-29-24	5-29-24	
2-Chloroethyl Vinyl Ether	ND	0.0052	EPA 8260D	5-29-24	5-29-24	
(cis) 1,3-Dichloropropene	ND	0.0010	EPA 8260D	5-29-24	5-29-24	
Methyl Isobutyl Ketone	ND	0.0052	EPA 8260D	5-29-24	5-29-24	
Toluene	ND	0.0052	EPA 8260D	5-29-24	5-29-24	



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VOLATILE ORGANICS EPA 8260D

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	TP-9-S-1ft					
Laboratory ID:	05-402-03					
(trans) 1,3-Dichloropropene	ND	0.0010	EPA 8260D	5-29-24	5-29-24	
1,1,2-Trichloroethane	ND	0.0010	EPA 8260D	5-29-24	5-29-24	
Tetrachloroethene	ND	0.0010	EPA 8260D	5-29-24	5-29-24	
1,3-Dichloropropane	ND	0.0010	EPA 8260D	5-29-24	5-29-24	
2-Hexanone	ND	0.0052	EPA 8260D	5-29-24	5-29-24	
Dibromochloromethane	ND	0.0010	EPA 8260D	5-29-24	5-29-24	
1,2-Dibromoethane	ND	0.0010	EPA 8260D	5-29-24	5-29-24	
Chlorobenzene	ND	0.0010	EPA 8260D	5-29-24	5-29-24	
1,1,1,2-Tetrachloroethane	ND	0.0010	EPA 8260D	5-29-24	5-29-24	
Ethylbenzene	ND	0.0010	EPA 8260D	5-29-24	5-29-24	
m,p-Xylene	ND	0.0021	EPA 8260D	5-29-24	5-29-24	
o-Xylene	ND	0.0010	EPA 8260D	5-29-24	5-29-24	
Styrene	ND	0.0010	EPA 8260D	5-29-24	5-29-24	
Bromoform	ND	0.0052	EPA 8260D	5-29-24	5-29-24	
Isopropylbenzene	ND	0.0010	EPA 8260D	5-29-24	5-29-24	
Bromobenzene	ND	0.0010	EPA 8260D	5-29-24	5-29-24	
1,1,2,2-Tetrachloroethane	ND	0.0010	EPA 8260D	5-29-24	5-29-24	
1,2,3-Trichloropropane	ND	0.0010	EPA 8260D	5-29-24	5-29-24	
n-Propylbenzene	ND	0.0010	EPA 8260D	5-29-24	5-29-24	
2-Chlorotoluene	ND	0.0010	EPA 8260D	5-29-24	5-29-24	
4-Chlorotoluene	ND	0.0010	EPA 8260D	5-29-24	5-29-24	
1,3,5-Trimethylbenzene	ND	0.0010	EPA 8260D	5-29-24	5-29-24	
tert-Butylbenzene	ND	0.0010	EPA 8260D	5-29-24	5-29-24	
1,2,4-Trimethylbenzene	ND	0.0010	EPA 8260D	5-29-24	5-29-24	
sec-Butylbenzene	ND	0.0010	EPA 8260D	5-29-24	5-29-24	
1,3-Dichlorobenzene	ND	0.0010	EPA 8260D	5-29-24	5-29-24	
p-Isopropyltoluene	ND	0.0010	EPA 8260D	5-29-24	5-29-24	
1,4-Dichlorobenzene	ND	0.0010	EPA 8260D	5-29-24	5-29-24	
1,2-Dichlorobenzene	ND	0.0010	EPA 8260D	5-29-24	5-29-24	
n-Butylbenzene	ND	0.0010	EPA 8260D	5-29-24	5-29-24	
1,2-Dibromo-3-chloropropane	ND	0.0052	EPA 8260D	5-29-24	5-29-24	
1,2,4-Trichlorobenzene	ND	0.0010	EPA 8260D	5-29-24	5-29-24	
Hexachlorobutadiene	ND	0.0052	EPA 8260D	5-29-24	5-29-24	
Naphthalene	ND	0.0052	EPA 8260D	5-29-24	5-29-24	
1,2,3-Trichlorobenzene	ND	0.0010	EPA 8260D	5-29-24	5-29-24	
Surrogate:	Percent Recovery	Control Limits				
Dibromofluoromethane	97	69-124				
Toluene-d8	101	80-118				
4-Bromofluorobenzene	99	75-123				



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 Project: 295062

VOLATILE ORGANICS EPA 8260D

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Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	TP-9-S-2ft					
Laboratory ID:	05-402-04					
Dichlorodifluoromethane	ND	0.0019	EPA 8260D	5-29-24	5-29-24	
Chloromethane	ND	0.0094	EPA 8260D	5-29-24	5-29-24	
Vinyl Chloride	ND	0.0019	EPA 8260D	5-29-24	5-29-24	
Bromomethane	ND	0.0094	EPA 8260D	5-29-24	5-29-24	
Chloroethane	ND	0.0094	EPA 8260D	5-29-24	5-29-24	
Trichlorofluoromethane	ND	0.0019	EPA 8260D	5-29-24	5-29-24	
1,1-Dichloroethene	ND	0.0019	EPA 8260D	5-29-24	5-29-24	
Acetone	0.44	0.019	EPA 8260D	5-29-24	5-29-24	Y
Iodomethane	ND	0.019	EPA 8260D	5-29-24	5-29-24	
Carbon Disulfide	0.0040	0.0019	EPA 8260D	5-29-24	5-29-24	
Methylene Chloride	ND	0.0094	EPA 8260D	5-29-24	5-29-24	
(trans) 1,2-Dichloroethene	ND	0.0019	EPA 8260D	5-29-24	5-29-24	
Methyl t-Butyl Ether	ND	0.0019	EPA 8260D	5-29-24	5-29-24	
1,1-Dichloroethane	ND	0.0019	EPA 8260D	5-29-24	5-29-24	
Vinyl Acetate	ND	0.0094	EPA 8260D	5-29-24	5-29-24	
2,2-Dichloropropane	ND	0.0019	EPA 8260D	5-29-24	5-29-24	
(cis) 1,2-Dichloroethene	ND	0.0019	EPA 8260D	5-29-24	5-29-24	
2-Butanone	0.085	0.0094	EPA 8260D	5-29-24	5-29-24	
Bromochloromethane	ND	0.0019	EPA 8260D	5-29-24	5-29-24	
Chloroform	ND	0.0019	EPA 8260D	5-29-24	5-29-24	
1,1,1-Trichloroethane	ND	0.0019	EPA 8260D	5-29-24	5-29-24	
Carbon Tetrachloride	ND	0.0019	EPA 8260D	5-29-24	5-29-24	
1,1-Dichloropropene	ND	0.0019	EPA 8260D	5-29-24	5-29-24	
Benzene	ND	0.0019	EPA 8260D	5-29-24	5-29-24	
1,2-Dichloroethane	ND	0.0019	EPA 8260D	5-29-24	5-29-24	
Trichloroethene	ND	0.0019	EPA 8260D	5-29-24	5-29-24	
1,2-Dichloropropane	ND	0.0019	EPA 8260D	5-29-24	5-29-24	
Dibromomethane	ND	0.0019	EPA 8260D	5-29-24	5-29-24	
Bromodichloromethane	ND	0.0019	EPA 8260D	5-29-24	5-29-24	
2-Chloroethyl Vinyl Ether	ND	0.0094	EPA 8260D	5-29-24	5-29-24	
(cis) 1,3-Dichloropropene	ND	0.0019	EPA 8260D	5-29-24	5-29-24	
Methyl Isobutyl Ketone	ND	0.0094	EPA 8260D	5-29-24	5-29-24	
Toluene	ND	0.0094	EPA 8260D	5-29-24	5-29-24	



OnSite Environmental, Inc. 14648 NE 95th Street, Redmond, WA 98052 (425) 883-3881

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Date of Report: June 5, 2024
 Samples Submitted: May 29, 2024
 Laboratory Reference: 2405-402
 Project: 295062

VOLATILE ORGANICS EPA 8260D
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	TP-9-S-2ft					
Laboratory ID:	05-402-04					
(trans) 1,3-Dichloropropene	ND	0.0019	EPA 8260D	5-29-24	5-29-24	
1,1,2-Trichloroethane	ND	0.0019	EPA 8260D	5-29-24	5-29-24	
Tetrachloroethene	ND	0.0019	EPA 8260D	5-29-24	5-29-24	
1,3-Dichloropropane	ND	0.0019	EPA 8260D	5-29-24	5-29-24	
2-Hexanone	ND	0.0094	EPA 8260D	5-29-24	5-29-24	
Dibromochloromethane	ND	0.0019	EPA 8260D	5-29-24	5-29-24	
1,2-Dibromoethane	ND	0.0019	EPA 8260D	5-29-24	5-29-24	
Chlorobenzene	ND	0.0019	EPA 8260D	5-29-24	5-29-24	
1,1,1,2-Tetrachloroethane	ND	0.0019	EPA 8260D	5-29-24	5-29-24	
Ethylbenzene	ND	0.0019	EPA 8260D	5-29-24	5-29-24	
m,p-Xylene	ND	0.0037	EPA 8260D	5-29-24	5-29-24	
o-Xylene	ND	0.0019	EPA 8260D	5-29-24	5-29-24	
Styrene	ND	0.0019	EPA 8260D	5-29-24	5-29-24	
Bromoform	ND	0.0094	EPA 8260D	5-29-24	5-29-24	
Isopropylbenzene	ND	0.0019	EPA 8260D	5-29-24	5-29-24	
Bromobenzene	ND	0.0019	EPA 8260D	5-29-24	5-29-24	
1,1,2,2-Tetrachloroethane	ND	0.0019	EPA 8260D	5-29-24	5-29-24	
1,2,3-Trichloropropane	ND	0.0019	EPA 8260D	5-29-24	5-29-24	
n-Propylbenzene	ND	0.0019	EPA 8260D	5-29-24	5-29-24	
2-Chlorotoluene	ND	0.0019	EPA 8260D	5-29-24	5-29-24	
4-Chlorotoluene	ND	0.0019	EPA 8260D	5-29-24	5-29-24	
1,3,5-Trimethylbenzene	ND	0.0019	EPA 8260D	5-29-24	5-29-24	
tert-Butylbenzene	ND	0.0019	EPA 8260D	5-29-24	5-29-24	
1,2,4-Trimethylbenzene	ND	0.0019	EPA 8260D	5-29-24	5-29-24	
sec-Butylbenzene	ND	0.0019	EPA 8260D	5-29-24	5-29-24	
1,3-Dichlorobenzene	ND	0.0019	EPA 8260D	5-29-24	5-29-24	
p-Isopropyltoluene	ND	0.0019	EPA 8260D	5-29-24	5-29-24	
1,4-Dichlorobenzene	ND	0.0019	EPA 8260D	5-29-24	5-29-24	
1,2-Dichlorobenzene	ND	0.0019	EPA 8260D	5-29-24	5-29-24	
n-Butylbenzene	ND	0.0019	EPA 8260D	5-29-24	5-29-24	
1,2-Dibromo-3-chloropropane	ND	0.0094	EPA 8260D	5-29-24	5-29-24	
1,2,4-Trichlorobenzene	ND	0.0019	EPA 8260D	5-29-24	5-29-24	
Hexachlorobutadiene	ND	0.0094	EPA 8260D	5-29-24	5-29-24	
Naphthalene	ND	0.0094	EPA 8260D	5-29-24	5-29-24	
1,2,3-Trichlorobenzene	ND	0.0019	EPA 8260D	5-29-24	5-29-24	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>97</i>	<i>69-124</i>				
<i>Toluene-d8</i>	<i>98</i>	<i>80-118</i>				
<i>4-Bromofluorobenzene</i>	<i>89</i>	<i>75-123</i>				



OnSite Environmental, Inc. 14648 NE 95th Street, Redmond, WA 98052 (425) 883-3881

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Date of Report: June 5, 2024
 Samples Submitted: May 29, 2024
 Laboratory Reference: 2405-402
 Project: 295062

VOLATILE ORGANICS EPA 8260D

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Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	TP-9-S-3.5ft					
Laboratory ID:	05-402-05					
Dichlorodifluoromethane	ND	0.0012	EPA 8260D	5-29-24	5-29-24	
Chloromethane	ND	0.0058	EPA 8260D	5-29-24	5-29-24	
Vinyl Chloride	ND	0.0012	EPA 8260D	5-29-24	5-29-24	
Bromomethane	ND	0.0058	EPA 8260D	5-29-24	5-29-24	
Chloroethane	ND	0.0058	EPA 8260D	5-29-24	5-29-24	
Trichlorofluoromethane	ND	0.0012	EPA 8260D	5-29-24	5-29-24	
1,1-Dichloroethene	ND	0.0012	EPA 8260D	5-29-24	5-29-24	
Acetone	0.044	0.012	EPA 8260D	5-29-24	5-29-24	Y
Iodomethane	ND	0.012	EPA 8260D	5-29-24	5-29-24	
Carbon Disulfide	ND	0.0012	EPA 8260D	5-29-24	5-29-24	
Methylene Chloride	ND	0.0058	EPA 8260D	5-29-24	5-29-24	
(trans) 1,2-Dichloroethene	ND	0.0012	EPA 8260D	5-29-24	5-29-24	
Methyl t-Butyl Ether	ND	0.0012	EPA 8260D	5-29-24	5-29-24	
1,1-Dichloroethane	ND	0.0012	EPA 8260D	5-29-24	5-29-24	
Vinyl Acetate	ND	0.0058	EPA 8260D	5-29-24	5-29-24	
2,2-Dichloropropane	ND	0.0012	EPA 8260D	5-29-24	5-29-24	
(cis) 1,2-Dichloroethene	ND	0.0012	EPA 8260D	5-29-24	5-29-24	
2-Butanone	0.0063	0.0058	EPA 8260D	5-29-24	5-29-24	
Bromochloromethane	ND	0.0012	EPA 8260D	5-29-24	5-29-24	
Chloroform	ND	0.0012	EPA 8260D	5-29-24	5-29-24	
1,1,1-Trichloroethane	ND	0.0012	EPA 8260D	5-29-24	5-29-24	
Carbon Tetrachloride	ND	0.0012	EPA 8260D	5-29-24	5-29-24	
1,1-Dichloropropene	ND	0.0012	EPA 8260D	5-29-24	5-29-24	
Benzene	ND	0.0012	EPA 8260D	5-29-24	5-29-24	
1,2-Dichloroethane	ND	0.0012	EPA 8260D	5-29-24	5-29-24	
Trichloroethene	ND	0.0012	EPA 8260D	5-29-24	5-29-24	
1,2-Dichloropropane	ND	0.0012	EPA 8260D	5-29-24	5-29-24	
Dibromomethane	ND	0.0012	EPA 8260D	5-29-24	5-29-24	
Bromodichloromethane	ND	0.0012	EPA 8260D	5-29-24	5-29-24	
2-Chloroethyl Vinyl Ether	ND	0.0058	EPA 8260D	5-29-24	5-29-24	
(cis) 1,3-Dichloropropene	ND	0.0012	EPA 8260D	5-29-24	5-29-24	
Methyl Isobutyl Ketone	ND	0.0058	EPA 8260D	5-29-24	5-29-24	
Toluene	ND	0.0058	EPA 8260D	5-29-24	5-29-24	



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Date of Report: June 5, 2024
 Samples Submitted: May 29, 2024
 Laboratory Reference: 2405-402
 Project: 295062

VOLATILE ORGANICS EPA 8260D

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	TP-9-S-3.5ft					
Laboratory ID:	05-402-05					
(trans) 1,3-Dichloropropene	ND	0.0012	EPA 8260D	5-29-24	5-29-24	
1,1,2-Trichloroethane	ND	0.0012	EPA 8260D	5-29-24	5-29-24	
Tetrachloroethene	ND	0.0012	EPA 8260D	5-29-24	5-29-24	
1,3-Dichloropropane	ND	0.0012	EPA 8260D	5-29-24	5-29-24	
2-Hexanone	ND	0.0058	EPA 8260D	5-29-24	5-29-24	
Dibromochloromethane	ND	0.0012	EPA 8260D	5-29-24	5-29-24	
1,2-Dibromoethane	ND	0.0012	EPA 8260D	5-29-24	5-29-24	
Chlorobenzene	ND	0.0012	EPA 8260D	5-29-24	5-29-24	
1,1,1,2-Tetrachloroethane	ND	0.0012	EPA 8260D	5-29-24	5-29-24	
Ethylbenzene	ND	0.0012	EPA 8260D	5-29-24	5-29-24	
m,p-Xylene	ND	0.0023	EPA 8260D	5-29-24	5-29-24	
o-Xylene	ND	0.0012	EPA 8260D	5-29-24	5-29-24	
Styrene	ND	0.0012	EPA 8260D	5-29-24	5-29-24	
Bromoform	ND	0.0058	EPA 8260D	5-29-24	5-29-24	
Isopropylbenzene	ND	0.0012	EPA 8260D	5-29-24	5-29-24	
Bromobenzene	ND	0.0012	EPA 8260D	5-29-24	5-29-24	
1,1,2,2-Tetrachloroethane	ND	0.0012	EPA 8260D	5-29-24	5-29-24	
1,2,3-Trichloropropane	ND	0.0012	EPA 8260D	5-29-24	5-29-24	
n-Propylbenzene	ND	0.0012	EPA 8260D	5-29-24	5-29-24	
2-Chlorotoluene	ND	0.0012	EPA 8260D	5-29-24	5-29-24	
4-Chlorotoluene	ND	0.0012	EPA 8260D	5-29-24	5-29-24	
1,3,5-Trimethylbenzene	ND	0.0012	EPA 8260D	5-29-24	5-29-24	
tert-Butylbenzene	ND	0.0012	EPA 8260D	5-29-24	5-29-24	
1,2,4-Trimethylbenzene	ND	0.0012	EPA 8260D	5-29-24	5-29-24	
sec-Butylbenzene	ND	0.0012	EPA 8260D	5-29-24	5-29-24	
1,3-Dichlorobenzene	ND	0.0012	EPA 8260D	5-29-24	5-29-24	
p-Isopropyltoluene	ND	0.0012	EPA 8260D	5-29-24	5-29-24	
1,4-Dichlorobenzene	ND	0.0012	EPA 8260D	5-29-24	5-29-24	
1,2-Dichlorobenzene	ND	0.0012	EPA 8260D	5-29-24	5-29-24	
n-Butylbenzene	ND	0.0012	EPA 8260D	5-29-24	5-29-24	
1,2-Dibromo-3-chloropropane	ND	0.0058	EPA 8260D	5-29-24	5-29-24	
1,2,4-Trichlorobenzene	ND	0.0012	EPA 8260D	5-29-24	5-29-24	
Hexachlorobutadiene	ND	0.0058	EPA 8260D	5-29-24	5-29-24	
Naphthalene	ND	0.0058	EPA 8260D	5-29-24	5-29-24	
1,2,3-Trichlorobenzene	ND	0.0012	EPA 8260D	5-29-24	5-29-24	
Surrogate:	Percent Recovery	Control Limits				
Dibromofluoromethane	97	69-124				
Toluene-d8	100	80-118				
4-Bromofluorobenzene	100	75-123				



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Date of Report: June 5, 2024
 Samples Submitted: May 29, 2024
 Laboratory Reference: 2405-402
 Project: 295062

VOLATILE ORGANICS EPA 8260D
QUALITY CONTROL

page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0529S1					
Dichlorodifluoromethane	ND	0.0010	EPA 8260D	5-29-24	5-29-24	
Chloromethane	ND	0.0050	EPA 8260D	5-29-24	5-29-24	
Vinyl Chloride	ND	0.0010	EPA 8260D	5-29-24	5-29-24	
Bromomethane	ND	0.0050	EPA 8260D	5-29-24	5-29-24	
Chloroethane	ND	0.0050	EPA 8260D	5-29-24	5-29-24	
Trichlorofluoromethane	ND	0.0010	EPA 8260D	5-29-24	5-29-24	
1,1-Dichloroethene	ND	0.0010	EPA 8260D	5-29-24	5-29-24	
Acetone	ND	0.010	EPA 8260D	5-29-24	5-29-24	
Iodomethane	ND	0.010	EPA 8260D	5-29-24	5-29-24	
Carbon Disulfide	ND	0.0010	EPA 8260D	5-29-24	5-29-24	
Methylene Chloride	ND	0.0050	EPA 8260D	5-29-24	5-29-24	
(trans) 1,2-Dichloroethene	ND	0.0010	EPA 8260D	5-29-24	5-29-24	
Methyl t-Butyl Ether	ND	0.0010	EPA 8260D	5-29-24	5-29-24	
1,1-Dichloroethane	ND	0.0010	EPA 8260D	5-29-24	5-29-24	
Vinyl Acetate	ND	0.0050	EPA 8260D	5-29-24	5-29-24	
2,2-Dichloropropane	ND	0.0010	EPA 8260D	5-29-24	5-29-24	
(cis) 1,2-Dichloroethene	ND	0.0010	EPA 8260D	5-29-24	5-29-24	
2-Butanone	ND	0.0050	EPA 8260D	5-29-24	5-29-24	
Bromochloromethane	ND	0.0010	EPA 8260D	5-29-24	5-29-24	
Chloroform	ND	0.0010	EPA 8260D	5-29-24	5-29-24	
1,1,1-Trichloroethane	ND	0.0010	EPA 8260D	5-29-24	5-29-24	
Carbon Tetrachloride	ND	0.0010	EPA 8260D	5-29-24	5-29-24	
1,1-Dichloropropene	ND	0.0010	EPA 8260D	5-29-24	5-29-24	
Benzene	ND	0.0010	EPA 8260D	5-29-24	5-29-24	
1,2-Dichloroethane	ND	0.0010	EPA 8260D	5-29-24	5-29-24	
Trichloroethene	ND	0.0010	EPA 8260D	5-29-24	5-29-24	
1,2-Dichloropropane	ND	0.0010	EPA 8260D	5-29-24	5-29-24	
Dibromomethane	ND	0.0010	EPA 8260D	5-29-24	5-29-24	
Bromodichloromethane	ND	0.0010	EPA 8260D	5-29-24	5-29-24	
2-Chloroethyl Vinyl Ether	ND	0.0050	EPA 8260D	5-29-24	5-29-24	
(cis) 1,3-Dichloropropene	ND	0.0010	EPA 8260D	5-29-24	5-29-24	
Methyl Isobutyl Ketone	ND	0.0050	EPA 8260D	5-29-24	5-29-24	
Toluene	ND	0.0050	EPA 8260D	5-29-24	5-29-24	



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 Laboratory Reference: 2405-402
 Project: 295062

VOLATILE ORGANICS EPA 8260D
QUALITY CONTROL

page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0529S1					
(trans) 1,3-Dichloropropene	ND	0.0010	EPA 8260D	5-29-24	5-29-24	
1,1,2-Trichloroethane	ND	0.0010	EPA 8260D	5-29-24	5-29-24	
Tetrachloroethene	ND	0.0010	EPA 8260D	5-29-24	5-29-24	
1,3-Dichloropropane	ND	0.0010	EPA 8260D	5-29-24	5-29-24	
2-Hexanone	ND	0.0050	EPA 8260D	5-29-24	5-29-24	
Dibromochloromethane	ND	0.0010	EPA 8260D	5-29-24	5-29-24	
1,2-Dibromoethane	ND	0.0010	EPA 8260D	5-29-24	5-29-24	
Chlorobenzene	ND	0.0010	EPA 8260D	5-29-24	5-29-24	
1,1,1,2-Tetrachloroethane	ND	0.0010	EPA 8260D	5-29-24	5-29-24	
Ethylbenzene	ND	0.0010	EPA 8260D	5-29-24	5-29-24	
m,p-Xylene	ND	0.0020	EPA 8260D	5-29-24	5-29-24	
o-Xylene	ND	0.0010	EPA 8260D	5-29-24	5-29-24	
Styrene	ND	0.0010	EPA 8260D	5-29-24	5-29-24	
Bromoform	ND	0.0050	EPA 8260D	5-29-24	5-29-24	
Isopropylbenzene	ND	0.0010	EPA 8260D	5-29-24	5-29-24	
Bromobenzene	ND	0.0010	EPA 8260D	5-29-24	5-29-24	
1,1,2,2-Tetrachloroethane	ND	0.0010	EPA 8260D	5-29-24	5-29-24	
1,2,3-Trichloropropane	ND	0.0010	EPA 8260D	5-29-24	5-29-24	
n-Propylbenzene	ND	0.0010	EPA 8260D	5-29-24	5-29-24	
2-Chlorotoluene	ND	0.0010	EPA 8260D	5-29-24	5-29-24	
4-Chlorotoluene	ND	0.0010	EPA 8260D	5-29-24	5-29-24	
1,3,5-Trimethylbenzene	ND	0.0010	EPA 8260D	5-29-24	5-29-24	
tert-Butylbenzene	ND	0.0010	EPA 8260D	5-29-24	5-29-24	
1,2,4-Trimethylbenzene	ND	0.0010	EPA 8260D	5-29-24	5-29-24	
sec-Butylbenzene	ND	0.0010	EPA 8260D	5-29-24	5-29-24	
1,3-Dichlorobenzene	ND	0.0010	EPA 8260D	5-29-24	5-29-24	
p-Isopropyltoluene	ND	0.0010	EPA 8260D	5-29-24	5-29-24	
1,4-Dichlorobenzene	ND	0.0010	EPA 8260D	5-29-24	5-29-24	
1,2-Dichlorobenzene	ND	0.0010	EPA 8260D	5-29-24	5-29-24	
n-Butylbenzene	ND	0.0010	EPA 8260D	5-29-24	5-29-24	
1,2-Dibromo-3-chloropropane	ND	0.0050	EPA 8260D	5-29-24	5-29-24	
1,2,4-Trichlorobenzene	ND	0.0010	EPA 8260D	5-29-24	5-29-24	
Hexachlorobutadiene	ND	0.0050	EPA 8260D	5-29-24	5-29-24	
Naphthalene	ND	0.0050	EPA 8260D	5-29-24	5-29-24	
1,2,3-Trichlorobenzene	ND	0.0010	EPA 8260D	5-29-24	5-29-24	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>104</i>	<i>69-124</i>				
<i>Toluene-d8</i>	<i>100</i>	<i>80-118</i>				
<i>4-Bromofluorobenzene</i>	<i>99</i>	<i>75-123</i>				



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Date of Report: June 5, 2024
 Samples Submitted: May 29, 2024
 Laboratory Reference: 2405-402
 Project: 295062

VOLATILE ORGANICS EPA 8260D
QUALITY CONTROL
 page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result		Spike Level		Percent		Recovery		RPD	
					Recovery		Limits		RPD	Limit
SPIKE BLANKS										
Laboratory ID:	SB0529S1									
	SB	SBD	SB	SBD	SB	SBD				
Dichlorodifluoromethane	0.0516	0.0501	0.0500	0.0500	103	100	24-162	3	24	
Chloromethane	0.0508	0.0493	0.0500	0.0500	102	99	41-143	3	22	
Vinyl Chloride	0.0519	0.0498	0.0500	0.0500	104	100	52-141	4	20	
Bromomethane	0.0486	0.0469	0.0500	0.0500	97	94	37-145	4	23	
Chloroethane	0.0503	0.0481	0.0500	0.0500	101	96	54-148	4	19	
Trichlorofluoromethane	0.0541	0.0532	0.0500	0.0500	108	106	65-142	2	18	
1,1-Dichloroethene	0.0546	0.0532	0.0500	0.0500	109	106	74-133	3	16	
Acetone	0.0601	0.0574	0.0500	0.0500	120	115	50-159	5	38	
Iodomethane	0.0524	0.0508	0.0500	0.0500	105	102	36-133	3	31	
Carbon Disulfide	0.0449	0.0451	0.0500	0.0500	90	90	37-138	0	27	
Methylene Chloride	0.0550	0.0549	0.0500	0.0500	110	110	60-135	0	23	
(trans) 1,2-Dichloroethene	0.0555	0.0551	0.0500	0.0500	111	110	74-131	1	15	
Methyl t-Butyl Ether	0.0551	0.0525	0.0500	0.0500	110	105	76-129	5	15	
1,1-Dichloroethane	0.0540	0.0528	0.0500	0.0500	108	106	74-130	2	15	
Vinyl Acetate	0.0531	0.0536	0.0500	0.0500	106	107	58-146	1	21	
2,2-Dichloropropane	0.0554	0.0558	0.0500	0.0500	111	112	74-137	1	16	
(cis) 1,2-Dichloroethene	0.0553	0.0538	0.0500	0.0500	111	108	71-136	3	15	
2-Butanone	0.0580	0.0519	0.0500	0.0500	116	104	58-144	11	32	
Bromochloromethane	0.0555	0.0552	0.0500	0.0500	111	110	78-128	1	15	
Chloroform	0.0550	0.0536	0.0500	0.0500	110	107	75-128	3	15	
1,1,1-Trichloroethane	0.0558	0.0546	0.0500	0.0500	112	109	73-129	2	15	
Carbon Tetrachloride	0.0597	0.0594	0.0500	0.0500	119	119	69-134	1	15	
1,1-Dichloropropene	0.0538	0.0541	0.0500	0.0500	108	108	73-127	1	15	
Benzene	0.0541	0.0530	0.0500	0.0500	108	106	75-126	2	15	
1,2-Dichloroethane	0.0549	0.0527	0.0500	0.0500	110	105	70-133	4	15	
Trichloroethene	0.0525	0.0528	0.0500	0.0500	105	106	80-130	1	15	
1,2-Dichloropropane	0.0525	0.0524	0.0500	0.0500	105	105	78-131	0	16	
Dibromomethane	0.0550	0.0530	0.0500	0.0500	110	106	72-136	4	28	
Bromodichloromethane	0.0546	0.0539	0.0500	0.0500	109	108	80-129	1	15	
(cis) 1,3-Dichloropropene	0.0560	0.0553	0.0500	0.0500	112	111	80-132	1	17	
Methyl Isobutyl Ketone	0.0575	0.0518	0.0500	0.0500	115	104	62-146	10	22	
Toluene	0.0545	0.0549	0.0500	0.0500	109	110	78-124	1	17	
(trans) 1,3-Dichloropropene	0.0564	0.0551	0.0500	0.0500	113	110	80-130	2	15	



Date of Report: June 5, 2024
 Samples Submitted: May 29, 2024
 Laboratory Reference: 2405-402
 Project: 295062

VOLATILE ORGANICS EPA 8260D
QUALITY CONTROL

page 2 of 2

Analyte	Result		Spike Level		Percent		Recovery		RPD	
					Recovery		Limits	RPD	Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB0529S1									
	SB	SBD	SB	SBD	SB	SBD				
1,1,2-Trichloroethane	0.0541	0.0526	0.0500	0.0500	108	105	80-123	3	15	
Tetrachloroethene	0.0527	0.0553	0.0500	0.0500	105	111	80-130	5	15	
1,3-Dichloropropane	0.0535	0.0517	0.0500	0.0500	107	103	80-122	3	15	
2-Hexanone	0.0574	0.0526	0.0500	0.0500	115	105	61-143	9	30	
Dibromochloromethane	0.0575	0.0575	0.0500	0.0500	115	115	80-129	0	15	
1,2-Dibromoethane	0.0563	0.0539	0.0500	0.0500	113	108	80-125	4	15	
Chlorobenzene	0.0528	0.0540	0.0500	0.0500	106	108	80-119	2	15	
1,1,1,2-Tetrachloroethane	0.0550	0.0552	0.0500	0.0500	110	110	80-124	0	15	
Ethylbenzene	0.0537	0.0545	0.0500	0.0500	107	109	80-120	1	15	
m,p-Xylene	0.107	0.110	0.100	0.100	107	110	80-121	3	15	
o-Xylene	0.0532	0.0546	0.0500	0.0500	106	109	80-120	3	15	
Styrene	0.0545	0.0560	0.0500	0.0500	109	112	80-130	3	15	
Bromoform	0.0621	0.0592	0.0500	0.0500	124	118	79-132	5	15	
Isopropylbenzene	0.0547	0.0555	0.0500	0.0500	109	111	80-126	1	15	
Bromobenzene	0.0548	0.0541	0.0500	0.0500	110	108	80-124	1	15	
1,1,2,2-Tetrachloroethane	0.0560	0.0516	0.0500	0.0500	112	103	75-128	8	19	
1,2,3-Trichloropropane	0.0577	0.0535	0.0500	0.0500	115	107	74-128	8	19	
n-Propylbenzene	0.0541	0.0545	0.0500	0.0500	108	109	80-128	1	16	
2-Chlorotoluene	0.0540	0.0546	0.0500	0.0500	108	109	80-126	1	15	
4-Chlorotoluene	0.0557	0.0558	0.0500	0.0500	111	112	80-129	0	15	
1,3,5-Trimethylbenzene	0.0551	0.0559	0.0500	0.0500	110	112	80-129	1	15	
tert-Butylbenzene	0.0544	0.0546	0.0500	0.0500	109	109	80-129	0	15	
1,2,4-Trimethylbenzene	0.0535	0.0553	0.0500	0.0500	107	111	80-127	3	15	
sec-Butylbenzene	0.0546	0.0551	0.0500	0.0500	109	110	77-134	1	16	
1,3-Dichlorobenzene	0.0541	0.0567	0.0500	0.0500	108	113	80-125	5	15	
p-Isopropyltoluene	0.0550	0.0566	0.0500	0.0500	110	113	80-133	3	15	
1,4-Dichlorobenzene	0.0541	0.0567	0.0500	0.0500	108	113	78-127	5	15	
1,2-Dichlorobenzene	0.0539	0.0552	0.0500	0.0500	108	110	79-127	2	15	
n-Butylbenzene	0.0536	0.0565	0.0500	0.0500	107	113	80-136	5	17	
1,2-Dibromo-3-chloropropane	0.0548	0.0504	0.0500	0.0500	110	101	68-143	8	26	
1,2,4-Trichlorobenzene	0.0532	0.0582	0.0500	0.0500	106	116	77-142	9	19	
Hexachlorobutadiene	0.0507	0.0559	0.0500	0.0500	101	112	73-135	10	19	
Naphthalene	0.0551	0.0551	0.0500	0.0500	110	110	72-142	0	21	
1,2,3-Trichlorobenzene	0.0522	0.0564	0.0500	0.0500	104	113	77-139	8	19	
Surrogate:										
Dibromofluoromethane					104	104	69-124			
Toluene-d8					101	100	80-118			
4-Bromofluorobenzene					100	101	75-123			



OnSite Environmental, Inc. 14648 NE 95th Street, Redmond, WA 98052 (425) 883-3881

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: June 5, 2024
 Samples Submitted: May 29, 2024
 Laboratory Reference: 2405-402
 Project: 295062

% MOISTURE

Client ID	Lab ID	% Moisture	Date Analyzed
TP-10-S-3.5ft	05-402-01	31	5-30-24
TP-10-S-0.5ft	05-402-02	18	5-30-24
TP-9-S-1ft	05-402-03	8	5-30-24
TP-9-S-2ft	05-402-04	36	5-30-24
TP-9-S-3.5ft	05-402-05	24	5-30-24
TP-8-S-1ft	05-402-06	7	5-30-24
TP-8-S-4ft	05-402-07	28	5-30-24
TP-7-S-0.5ft	05-402-08	13	5-30-24
TP-7-S-4ft	05-402-09	27	5-30-24
TP-6-S-0.5ft	05-402-10	18	5-30-24
TP-6-S-3.5ft	05-402-11	28	5-30-24
TP-5-S-1ft	05-402-13	10	5-30-24
TP-5-S-3.5ft	05-402-14	11	5-30-24
TP-4-S-0.5ft	05-402-15	16	5-30-24
TP-4-S-4ft	05-402-16	17	5-30-24
TP-3-S-1ft	05-402-17	4	5-30-24
TP-3-S-6ft	05-402-18	14	5-30-24





Data Qualifiers and Abbreviations

- A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.
- B - The analyte indicated was also found in the blank sample.
- C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.
- E - The value reported exceeds the quantitation range and is an estimate.
- F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.
- H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.
- I - Compound recovery is outside of the control limits.
- J - The value reported was below the practical quantitation limit. The value is an estimate.
- K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.
- L - The RPD is outside of the control limits.
- M - Hydrocarbons in the gasoline range are impacting the diesel range result.
- M1 - Hydrocarbons in the gasoline range (toluene-naphthalene) are present in the sample.
- N - Hydrocarbons in the lube oil range are impacting the diesel range result.
- N1 - Hydrocarbons in diesel range are impacting lube oil range results.
- O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.
- P - The RPD of the detected concentrations between the two columns is greater than 40.
- Q - Surrogate recovery is outside of the control limits.
- S - Surrogate recovery data is not available due to the necessary dilution of the sample.
- T - The sample chromatogram is not similar to a typical _____.
- U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
- U1 - The practical quantitation limit is elevated due to interferences present in the sample.
- V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.
- W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.
- X - Sample extract treated with a mercury cleanup procedure.
- X1 - Sample extract treated with a sulfuric acid/silica gel cleanup procedure.
- X2 - Sample extract treated with a silica gel cleanup procedure.
- Y - The calibration verification for this analyte exceeded the 20% drift specified in methods 8260 & 8270, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.
- Y1 - Negative effects of the matrix from this sample on the instrument caused values for this analyte in the bracketing continuing calibration verification standard (CCVs) to be outside of 20% acceptance criteria. Because of this, quantitation limits and sample concentrations should be considered estimates.
- Z -
- ND - Not Detected at PQL
- PQL - Practical Quantitation Limit
- RPD - Relative Percent Difference





**OnSite
Environmental Inc.**

Analytical Laboratory Testing Services
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Phone: (425) 883-3881 • www.onsite-env.com

Chain of Custody

Page 1 of 2

Turnaround Request (in working days)				Laboratory Number: 05-402													
(Check One)																	
<input type="checkbox"/> Same Day				<input type="checkbox"/> 1 Day													
<input type="checkbox"/> 2 Days				<input type="checkbox"/> 3 Days													
<input checked="" type="checkbox"/> Standard (7 Days)																	
<input type="checkbox"/> _____ (other)																	
Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers												
1	TP-10-S-3.5ft	05/29/24	1000	S	1												
2	TP-10-S-0.5ft		1055		2												
3	TP-9-S-1ft		1115		4												
4	TP-9-S-2ft		1120		4												
5	TP-9-S-3.5ft		1125		4												
6	TP-8-S-1ft		1145		1												
7	TP-8-S-4ft		1155		1												
8	TP-7-S-0.5ft		1200		1												
9	TP-7-S-4ft		1205		1												
10	TP-6-S-0.5ft		1220		1												
Signature		Company		Date	Time	Comments/Special Instructions											
		CDM Smith		5/29/24	852												
Received		Received		5/27/24	852												
Relinquished		Relinquished															
Received		Received															
Relinquished		Relinquished															
Received		Received															
Relinquished		Relinquished															
Reviewed/Date		Reviewed/Date		Data Package: Standard <input checked="" type="checkbox"/> Level III <input type="checkbox"/> Level IV <input type="checkbox"/> Chromatograms with final report <input type="checkbox"/> Electronic Data Deliverables (EDDs) <input type="checkbox"/>													

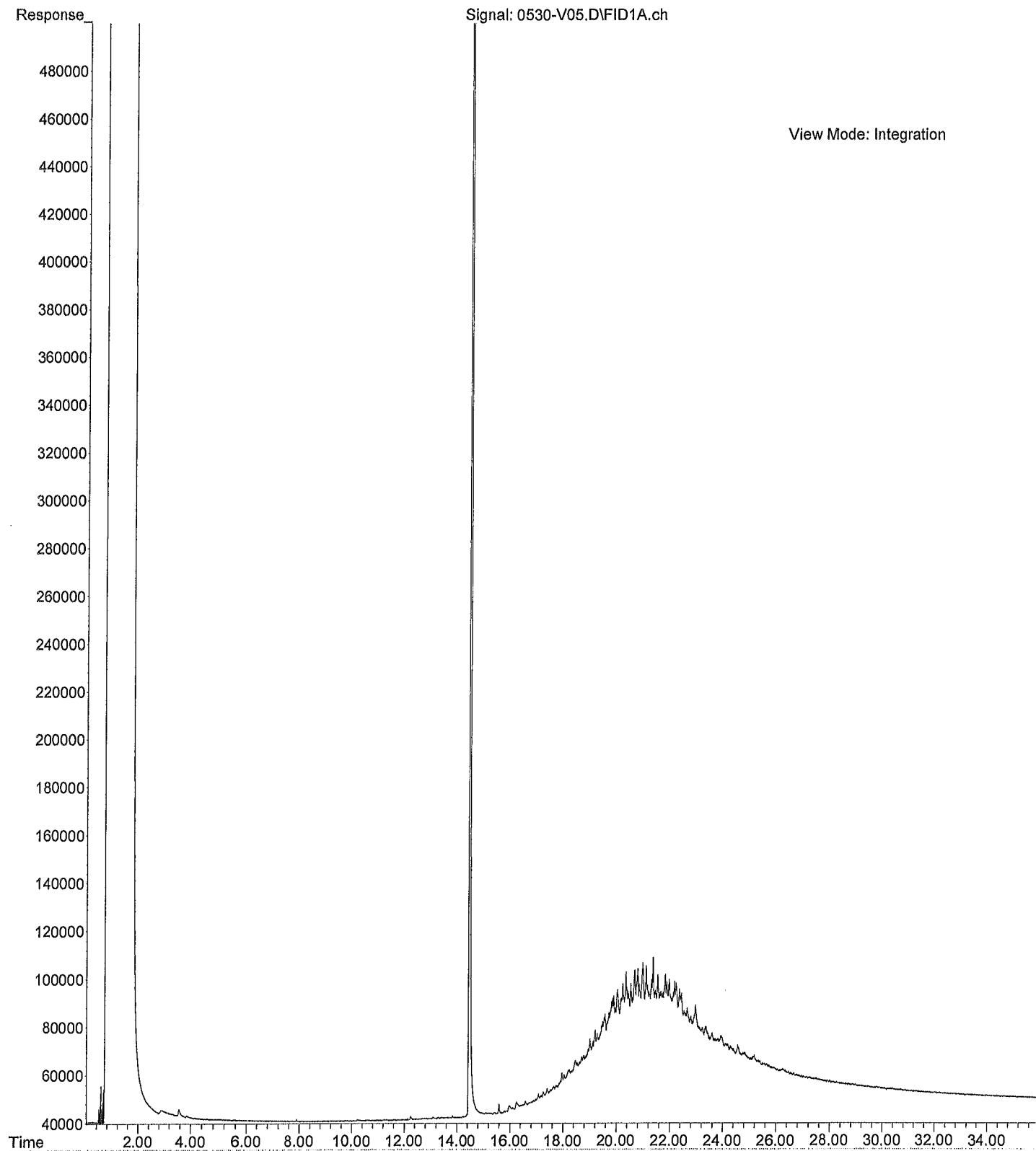


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Chain of Custody

Page 2 of 2[illegible]

File :C:\msdchem\2\data\V240530\0530-V05.D
Operator : LW
Acquired : 30 May 2024 10:55 using AcqMethod V230830F.M
Instrument : Vigo
Sample Name: 05-402-02
Misc Info : Sample
Vial Number: 5





Appendix C CID Approval Letter



STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY

Northwest Region Office
PO Box 330316, Shoreline, WA 98133-9716 • 206-594-0000

September 13, 2024

Wei Yang
Xinghua Group Ltd.
3199 W 44th Avenue
Vancouver, BC V6N3K5
Canada

RE: Contained-In Determination for F002 Contaminated Soils at the Mercer Island Site, located at 2885 78th Avenue Southeast, Mercer Island, Washington, 98040.

References: 1. Electronic Mail and Attached Request for Contained-In Determination from Britta Nelson (CDM Smith) to Paul Bianco (Ecology), dated August 7, 2024.
2. Electronic Mail from Michelle Myers (Ecology) to Wei Yang (Xinghua Group Ltd.), dated August 22, 2024.
3. Electronic Mail and Attached Revised Request for Contained-In Determination from Wei Yang (Xinghua Group Ltd.) to Michelle Myers and Paul Bianco (Ecology), dated August 29, 2024.
4. Electronic Mail from Michelle Myers (Ecology) to Wei Yang (Xinghua Group Ltd.), dated September 5, 2024.
5. Electronic Mail and Attached Revision 2, Request for Contained-In Determination from Wei Yang (Xinghua Group Ltd.) to Michelle Myers (Ecology), dated September 10, 2024.

Dear Wei Yang:

The Washington State Department of Ecology (Ecology) received a contained-in determination request from you and your environmental consultant, CDM Smith, Inc. (CDM Smith), for specific F002 listed waste tetrachloroethylene (PCE) contaminated soils that will be generated during excavation activities on the property located at the property located at 2885 78th Avenue Southeast, Mercer Island, Washington, 98040.

Analytical data were submitted to Ecology to determine if these soils contaminated with F002 listed dangerous waste constituents may be exempt from management as dangerous wastes per the "Contained-In Policy"¹. Ecology understands that these contaminated soils do not

¹ Washington State Department of Ecology Contained-in Policy, dated February 19, 1993

designate under federal characteristics (WAC 173-303-090) or State-only criteria (WAC 173-303-100).

Based on the information received and reviewed, Ecology has determined that **450 Tons** of PCE contaminated soils to be generated during the excavation activities are contaminated with F002 listed dangerous waste constituents (PCE) at concentrations that do not warrant management as dangerous wastes. Ecology will not require disposal of these **450 Tons** as F002 listed dangerous wastes at a RCRA permitted dangerous waste treatment, storage, and disposal (TSD) facility, provided that all of the following conditions are implemented. This contained-in determination applies only to the contaminated soils and does not pertain to contaminated water or any mixture of contaminated soils and fluid.

You or your environmental consultant, CDM Smith, shall:

- Ensure that no standing water is present within the containers or trucks holding the contaminated soils. All water must be removed to the maximum extent possible from each container or truck and managed as F002 dangerous wastes or as otherwise allowed under Chapter 173-303 WAC. Adding bentonite or similar materials to absorb standing F002 listed waste contaminated water in the containers is not allowed. Mixtures of bentonite or similar materials and the listed waste contaminated water must be managed as F002 listed dangerous wastes.
- Directly deliver the soils to a solid waste landfill or transfer station permitted under Chapter 173-351 WAC and/or Chapter 173-350 WAC inside Washington State. If taken directly to the solid waste landfill, no off-loading of the contaminated soils is allowed between the cleanup site and the permitted solid waste landfill. If taken to the transfer station, the intermodal containers from the cleanup site will be loaded on to rail cars, removal of the contaminated soils from the intermodal container at the transfer station is not allowed.
- If you plan to deliver the contaminated soils to a landfill outside Washington State, you must FIRST submit to Ecology written approval for the contaminated soil disposal from the State hazardous waste program and the out of state landfill, **before** the soils are delivered to the out of state landfill.
- If you load the contaminated soils directly onto the truck bed or the contaminated soils are transported in roll-off bins, the truck or the roll-off bins must be lined with plastic and properly covered to prevent leaks, spills, or dispersion due to wind.
- Dispose of the contaminated soils at the permitted solid waste landfill by October 31, 2024. This contained-in determination letter is no longer valid after October 31, 2024 and the contaminated soils shall be managed as dangerous wastes after this date.

- Provide copies of all signed solid waste landfill receipts or a certificate of disposal issued by the receiving landfill for these contaminated soils to Ecology, attention of Michelle Myers, by November 30, 2024. This is an important verification step for you and your consultant to follow in order for this Ecology decision to be valid.
- *Notify Ecology before disposal of the contaminated soil if the amount exceeds the approved amount. Additional soils must be approved for a CID by Ecology before disposal because they are dangerous waste until that approval is received.*
- Notify Ecology via email at least five (5) days before removing the contaminated soils approved in this letter. This notice gives Ecology the option of observing the removal. If Ecology will observe the removal, we will notify you by phone or email at least 24 hours before the day the soil removal begins.
- Do not consolidate these contaminated soils with other soils that do not pertain to this CID.
- Ensure that the transporter is properly trained to handle hazardous waste so that the transporter manages the contained-in determination soils during transport in a manner that is protective of human health and the environment.
- Take measures to prevent unauthorized contact with these contaminated soils at all times.
- Provide instructions to the landfill operator that these soils are **not** to be used for daily, intermediate, or final cover.
- Provide copies of all soil analytical data to the landfill operator, upon request.
- Do not send these contaminated soils to any incinerator, thermal desorption unit or recycling facility unless that facility is a RCRA Subtitle C permitted dangerous waste TSD facility.

Ecology issued this determination based on the information provided and reviewed to date. This Ecology determination will be rescinded if Ecology finds that the information submitted by the property owner or its environmental consultant is materially false, misleading, otherwise does not accurately represent the site conditions, or if the Ecology requirements listed above are not followed.

This written decision only applies to the **450 Tons** of soil to be excavated as described in your request (reference 5). It does not apply to any other media. Any data used for this contained-in determination is intended for use in determining the proper disposal of the above stated PCE and associated breakdown product contaminated soils according to the Washington State Dangerous Waste Regulations (Chapter 173-303 WAC) and Ecology Contained-in Policy. This

letter is not an Ecology approval for dangerous waste designation or disposal of contaminated soils that may be generated or already excavated from other areas in this property.

This letter is not a No Further Action (NFA) letter and not written approval for any cleanup action plan you may have submitted. Instead, this letter only addresses the procedures for disposal of the contaminated soils according to the Washington State Dangerous Waste Regulations (Chapter 173-303 WAC). Regulatory decisions regarding the cleanup action, applicable soil and groundwater cleanup levels and any other cleanup issues must comply with the requirements under Ecology Model Toxics Control Act (Chapter 173-340 WAC). Local agencies may have the authority to impose additional requirements on this waste stream.

If you fail to comply with the terms of this letter, Ecology may issue an administrative order and/or penalty as provided by the Revised Code of Washington, Sections 70A.300.090 and/or .120 (Hazardous Waste Management Act).

If you have any questions concerning this letter, please contact me at (206) 773-3498 or michelle.myers2@ecy.wa.gov.

Sincerely,



Michelle A. Myers, PE
Environmental Engineer
Hazardous Waste and Toxics Reduction Program

Sent by Registered Mail: RE 042 763 445 US.

ecc: August Welch, CDM Smith
Britta Nelson, CDM Smith
Paul Bianco, Ecology
Christa Colouzis, Ecology
Ron Kauffman, Ecology
Sandra Matthews, Ecology
Donna Musa, Ecology
Elaine Snouwaert, Ecology
Michelle Underwood, Ecology
Kurt Walker, Ecology

To request an ADA accommodation, contact Ecology by phone at 360-407-6831 or email at ecyadacoordinator@ecy.wa.gov, or visit <https://ecology.wa.gov/accessibility>. For Relay Service or TTY call 711 or 877-833-6341.



Appendix D Weight Tickets

690610- Xing Hua Group Ltd

Ticket Date	Facility & Ticket Number		Contract	Truck #	Container	Material	Material Rate		Billing Quantity		Material Total	Tax Total	Total
09/27/2024 I	3A	5338399	TB-13755	5226	GCEU435549	Contained in Contaminater	81.06	S	24.92	TN	\$2,020.00	\$72.72	\$2,092.72
09/27/2024 I	3A	5338400	TB-13755	2234	AWIU8243	Contained in Contaminater	80.75	S	25.41	TN	\$2,051.98	\$73.87	\$2,125.85
09/27/2024 I	3A	5338405	TB-13755	2234	RBSU200106	Contained in Contaminater	108.19	S	18.67	TN	\$2,020.00	\$72.72	\$2,092.72
09/27/2024 I	3A	5338407	TB-13755	5227	RBSU200204	Contained in Contaminater	103.75	S	19.47	TN	\$2,020.00	\$72.72	\$2,092.72
09/27/2024 I	3A	5338430	TB-13755	5226	EGTU420523	Contained in Contaminater	81.55	S	24.77	TN	\$2,020.00	\$72.72	\$2,092.72
09/27/2024 I	3A	5338435	TB-13755	2235	TRLU902653	Contained in Contaminater	86.58	S	23.33	TN	\$2,020.00	\$72.72	\$2,092.72
09/27/2024 I	3A	5338436	TB-13755	5227	AWIU200003	Contained in Contaminater	92.24	S	21.90	TN	\$2,020.00	\$72.72	\$2,092.72
09/27/2024 I	3A	5338438	TB-13755	0331	RBSU200436	Contained in Contaminater	102.90	S	19.63	TN	\$2,020.00	\$72.72	\$2,092.72
09/27/2024 I	3A	5338439	TB-13755	2234	RBSU200361	Contained in Contaminater	92.03	S	21.95	TN	\$2,020.00	\$72.72	\$2,092.72
09/27/2024 I	3A	5338441	TB-13755	5226	RBSU200265	Contained in Contaminater	83.96	S	24.06	TN	\$2,020.00	\$72.72	\$2,092.72
09/27/2024 I	3A	5338446	TB-13755	5227	RBSU200157	Contained in Contaminater	95.10	S	21.24	TN	\$2,020.00	\$72.72	\$2,092.72
09/27/2024 I	3A	5338447	TB-13755	0331	RBSU200352	Contained in Contaminater	93.91	S	21.51	TN	\$2,020.00	\$72.72	\$2,092.72
09/27/2024 I	3A	5338451	TB-13755	2234	GCEU430376	Contained in Contaminater	82.55	S	24.47	TN	\$2,020.00	\$72.72	\$2,092.72
09/27/2024 I	3A	5338452	TB-13755	3516	RBSU200290	Contained in Contaminater	86.36	S	23.39	TN	\$2,020.00	\$72.72	\$2,092.72
09/27/2024 I	3A	5338455	TB-13755	2235	TOLU456256	Contained in Contaminater	101.41	S	19.92	TN	\$2,020.00	\$72.72	\$2,092.72
09/27/2024 I	3A	5338456	TB-13755	5227	AWIU8368	Contained in Contaminater	81.98	S	24.64	TN	\$2,020.00	\$72.72	\$2,092.72
09/27/2024 I	3A	5338457	TB-13755	0331	AWIU200004	Contained in Contaminater	87.33	S	23.13	TN	\$2,020.00	\$72.72	\$2,092.72
10/02/2024 I	3A	5338531	TB-13755	7749	GCEU440078	Contained in Contaminater	89.94	S	22.46	TN	\$2,020.00	\$72.72	\$2,092.72
10/02/2024 I	3A	5338533	TB-13755	2234	EGTU420439	Contained in Contaminater	91.86	S	21.99	TN	\$2,020.00	\$72.72	\$2,092.72
10/03/2024 I	3A	5338586	TB-13755	Cowden		Trucking	180.00	F	31.83	HR	\$5,729.40	\$206.26	\$5,935.66
10/05/2024 I	3A	5338636	TB-13755	3516	TOLU901258	Contained in Contaminater	98.06	S	20.60	TN	\$2,020.00	\$72.72	\$2,092.72
10/29/2024 I	3A	5339232	TB-13755	Cowden		Trucking	180.00	F	3.25	HR	\$585.00	\$21.06	\$606.06

Tickets Reported:	22	Items Reported:	22	Customer Totals:		\$46,746.38	\$1,682.87	\$48,429.25
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Material Summary	Weight			Volume			Count		Billing Quantity		Material Total	Tax Total	Total
	Inbound	Outbound		Inbound	Outbound		Inbound	Outbound					
67 - Contained in Conta	447.46	0.00	TN	560.00	0.00	YD	0.00	0.00	447.46	TN	\$40,431.98	\$1,455.55	\$41,887.53
TR - Trucking	0.00	0.00	TN	0.00	0.00	YD	35.08	0.00	35.08	HR	\$6,314.40	\$227.32	\$6,541.72

Tickets Reported:	22	Items Reported:	22	Cash Totals:				
				Invoice Totals:		\$46,746.38	\$1,682.87	\$48,429.25
				Report Totals:		\$46,746.38	\$1,682.87	\$48,429.25

SITE Seattle 20 - 48 Ft --
SEATTLE ROOSEVELT-, WA

CUSTOMER 690610

Xing Hua Group Ltd
11225 SE 6th Street Ste 100
Bellevue, WA 98004
Contract:TB-13755

SCALE IN GROSS WEIGHT 95,760 NET TONS 23.13
SCALE OUT TARE WEIGHT 49,500 NET WEIGHT 46,260

SITE	3A	TICKET #	5338457	CELL	319095
WEIGHMASTER	Denise B.				
DATE/TIME IN	9/27/24	2:44 pm	DATE/TIME OUT	9/27/24	3:17 pm
VEHICLE	0331	CONTAINER		AWIU200004	
REFERENCE	BNSF230083				
BILL OF LADING	INBOUND INVOICE				

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
23.13	tn	Tracking QTY Contained in Contaminated Soil Origin:Mercer Island 100%				

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by chapter 15.80 RCW administered by the Washington State Department of Agriculture.

INBOUND - SCALE INDICATOR B337755370 E-seal #2002
OUTBOUND - SCALE INDICATOR 56565605KM E-seal #2008
Denise Bowers

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

RS-F042U/PR (04/19)

SIGNATURE

Denise B

NET AMOUNT
TENDERED
CHANGE
CHECK#

SITE Seattle 20 - 48 Ft --
SEATTLE ROOSEVELT-, WA

CUSTOMER 690610

Xing Hua Group Ltd
11225 SE 6th Street Ste 100
Bellevue, WA 98004
Contract:TB-13755

SCALE IN GROSS WEIGHT 97,400 NET TONS 24.64
SCALE OUT TARE WEIGHT 48,120 NET WEIGHT 49,280

SITE 3A	TICKET #	5338456	CELL	319096
WEIGHMASTER		Denise B.		
DATE/TIME IN	9/27/24	2:42 pm	DATE/TIME OUT	9/27/24 3:12 pm
VEHICLE	5227		CONTAINER	AMU8368
REFERENCE	DTTX27034			
BILL OF LADING	INBOUND INVOICE			

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
24.64	tn	Tracking Qty Contained in Contaminated Soil				
		Origin:Mercer Island 100%				

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by chapter 15.80 RCW administered by the Washington State Department of Agriculture.

INBOUND - SCALE INDICATOR B33775370 E-seal #2002
OUTBOUND - SCALE INDICATOR 5665605KM E-seal #2008

Denise Bowers

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RS-F042UPR (04/19)

SIGNATURE

Denise B

NET AMOUNT
TENDERED
CHANGE
CHECK#

SITE Seattle 20 - 48 Ft --
SEATTLE ROOSEVELT-, WA

CUSTOMER 690610
King Hua Group Ltd
11225 SE 6th Street Ste 100
Bellevue, WA 98004
Contract:TB-13755

SCALE IN GROSS WEIGHT 85,820 NET TONS 19.92
SCALE OUT TARE WEIGHT 45,980 NET WEIGHT 39,840

SITE 3A		TICKET # 5338455		CELL 319081
WEIGHMASTER		Denise B.		
DATE/TIME IN 9/27/24	2:30 pm	DATE/TIME OUT 9/27/24	3:01 pm	
VEHICLE 2235	CONTAINER TOLL456256			
REFERENCE	BNSF230076			
BILL OF LADING	INBOUND INVOICE			

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
-----	------	-------------	------	-----------	-----	-------

19.92	tn	Tracking qty Contained in Contaminated Soil				
		Origin:Mercer Island 100%				

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INBOUND - SCALE INDICATOR B337755370 E-seal #2002
OUTBOUND - SCALE INDICATOR 56656605KM E-seal #2008 Denise Bowers

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer

RS-F042UPR (04/19)

SIGNATURE Denise B

NET AMOUNT
TENDERED
CHANGE
CHECK#

SITE Seattle 20 - 48 Ft --
SEATTLE ROOSEVELT, WA

CUSTOMER 690610
Xing Hua Group Ltd
11225 SE 6th Street Ste 100
Bellevue, WA 98004
Contract:TB-13755

SCALE IN GROSS WEIGHT 94,480 NET TONS 23.39
SCALE OUT TARE WEIGHT 47,700 NET WEIGHT 46,780

SITE	3A	TICKET #	5338452	CELL	319080
WEIGHMASTER	Denise B.				
DATE/TIME IN	9/27/24	2:12 PM	DATE/TIME OUT	9/27/24	2:32 PM
VEHICLE	3516	CONTAINER		RBSU200290	
REFERENCE	BNSF230076				
BILL OF LADING	INBOUND INVOICE				

QTY	UNIT	Tracking	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
23.39	tn	Contained in Contaminated Soil	Origin:Mercer Island 100%				

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by chapter 15.80 RCW administered by the Washington State Department of Agriculture.
INBOUND - SCALE INDICATOR B337756370 E-seal #2002
OUTBOUND - SCALE INDICATOR 56656605KM E-seal #2008

Denise Bowers

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

RS-F0421UPR (04/19)

SIGNATURE

Denise B

NET AMOUNT
TENDERED
CHANGE
CHECK#

SITE Seattle 20 - 48 Ft --
SEATTLE ROOSEVELT-, WA

CUSTOMER 690610
Xing Hua Group Ltd
11225 SE 6th Street Ste 100
Bellevue, WA 98004
Contract:TB-13755

SCALE IN GROSS WEIGHT 95,500 NET TONS 24.47
SCALE OUT TARE WEIGHT 46,560 NET WEIGHT 48,940

SITE 3A	TICKET #	5338451	CELL	319079
WEIGHMASTER	Denise B.			
DATE/TIME IN	9/27/24	1:56 pm	DATE/TIME OUT	9/27/24 2:26 pm
VEHICLE	2234		CONTAINER	GCEU430376
REFERENCE	BNSFP230076			
BILL OF LADING	INBOUND INVOICE			

QTY	UNIT	Tracking Qty	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
24.47	tn	Contained in Contaminated Soil	Origin:Mercer Island 100%				

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by chapter 15.80 RCW administered by the Washington State Department of Agriculture.
INBOUND - SCALE INDICATOR B337755370 E-seal #2002
OUTBOUND - SCALE INDICATOR 56656605KM E-seal #2008

Denise Bowers

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RS-F0421IPR (04/19)

SIGNATURE

Denise B

NET AMOUNT
TENDERED
CHANGE
CHECK#

SITE Seattle 20 - 48 Ft --
SEATTLE ROOSEVELT, WA

CUSTOMER 690610
Xing Hua Group Ltd
11225 SE 6th Street Ste 100
Bellevue, WA 98004
Contract:TB-13755

SCALE IN GROSS WEIGHT 91,160 NET TONS 21.51
SCALE OUT TARE WEIGHT 48,140 NET WEIGHT 43,020

SITE 3A	TICKET #	5338447	CELL	319078
WEIGHMASTER		Denise B.		
DATE/TIME IN	9/27/24	1:47 PM	DATE/TIME OUT	9/27/24 2:07 PM
VEHICLE	0331	CONTAINER RBSH200352		
REFERENCE	BNSP230076			
BILL OF LADING	INBOUND INVOICE			

QTY	UNIT	Tracking	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
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21.51	tn	Contained in Contaminated Soil	Origin:Mercer Island 100%				
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INBOUND - SCALE INDICATOR B337755370 E-seal #2002
OUTBOUND - SCALE INDICATOR 56656605KM E-seal #2008
Denise Bowers

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RS-F042UPR (04/19)

SIGNATURE

Denise B

NET AMOUNT
TENDERED
CHANGE
CHECK#

SITE **Seattle 20 - 48 Ft --**
SEATTLE ROOSEVELT-, WA

CUSTOMER **690610**
King Hua Group Ltd
11225 SE 6th Street Ste 100
Bellevue, WA 98004
Contract:TB-13755

SCALE IN GROSS WEIGHT **91,640** NET TONS **21.24**
SCALE OUT TARE WEIGHT **49,160** NET WEIGHT **42,480**

SITE 3A	TICKET # 5338446	CELL 319076
WEIGHMASTER Denise B.		
DATE/TIME IN 9/27/24 1:41 pm	DATE/TIME OUT 9/27/24 2:07 pm	
VEHICLE 5227	CONTAINER RSUP00157	
REFERENCE DTY427445		
BILL OF LADING		

QTY	UNIT	Tracking qty	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
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21.24	tn	Contained in Contaminated Soil	Origin:Mercer Island 100%				
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INBOUND - SCALE INDICATOR B337755370 E-seal #2002
OUTBOUND - SCALE INDICATOR 56656605KM E-seal #2008
Denise Bowers

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RS-F0421UPR (04/19)

SIGNATURE **Denise Bowers**

NET AMOUNT
TENDERED
CHANGE
CHECK#

SITE Seattle 20 - 48 Ft --
SEATTLE ROOSEVELT, WA

CUSTOMER 690610
Xing Hua Group Ltd
1125 SE 6th Street Ste 100
Bellevue, WA 98004
Contract:TB-13755

SCALE IN GROSS WEIGHT 95,840 NET TONS 24.06
SCALE OUT TARE WEIGHT 47,720 NET WEIGHT 48,120

SITE 3A TICKET # 5338441 CELL 319077

WEIGHMASTER Denise B.

DATE/TIME IN 9/27/24 1:43 PM DATE/TIME OUT 9/27/24 1:59 PM

VEHICLE 5226 CONTAINER RBSUT00265

REFERENCE BNSFP230076

BILL OF LADING INBOUND INVOICE

QTY	UNIT	Tracking QTY	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
24.06	tn	Contained in Contaminated Soil	Origin:Mercer Island 100%				

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by chapter 15.80 RCW administered by the Washington State Department of Agriculture.

INBOUND - SCALE INDICATOR B337755370 E-seal #2002
OUTBOUND - SCALE INDICATOR 56656605KM E-seal #2008 Denise Bowers

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RS-F042UPR (04/19)

SIGNATURE

Denise Bowers

NET AMOUNT
TENDERED
CHANGE
CHECK#

SITE **Seattle 20 - 48 ft --**
SEATTLE ROOSEVELT-, WA

SITE **3A** TICKET # **5338439** CELL **319074**

CUSTOMER **690610**
Xing Hua Group Ltd
11225 SE 6th Street Ste 100
Bellevue, WA 98004
Contract:TB-13755

WEIGHMASTER **Denise B.**
DATE/TIME IN **9/27/24 1:00 pm** DATE/TIME OUT **9/27/24 1:27 pm**
VEHICLE **2234** CONTAINER **RSU220361**
REFERENCE
BILL OF LADING **DTYX427445**

SCALE IN GROSS WEIGHT **91,640** NET TONS **21.95**
SCALE OUT TARE WEIGHT **47,740** NET WEIGHT **43,900**

INBOUND
INVOICE

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
21.95	tn	Tracking QTY Contained in Contaminated Soil Origin:Mercer Island 100%				

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INBOUND - SCALE INDICATOR B337755370 E-seal #2002
OUTBOUND - SCALE INDICATOR 56656605KM E-seal #2008
Denise Bowers

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RS-F042UPR (04/19)

SIGNATURE

Denise B

CHECK#

CHANGE

TENDERED

NET AMOUNT

SITE Seattle 20 - 48 Ft --
SEATTLE ROOSEVELT-, WA

CUSTOMER 690610
Xing Hua Group Ltd
11225 SE 6th Street Ste 100
Bellevue, WA 98004
Contract:TB-13755

SCALE IN GROSS WEIGHT 87,100 NET TONS 19.63
SCALE OUT TARE WEIGHT 47,840 NET WEIGHT 39,260

SITE 3A	TICKET #	5338438	CELL	319073		
WEIGHMASTER		Denise B.				
DATE/TIME IN		9/27/24	12:53 PM	DATE/TIME OUT	9/27/24	1:18 PM
VEHICLE		0331	CONTAINER			RBSU200436
REFERENCE		DTTX427445				
BILL OF LADING		INBOUND INVOICE				

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
19.63	tn	Freeking Qty Contained in Contaminated Soil Origin:Mercer Island 100%				

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INBOUND - SCALE INDICATOR B337755370 E-seal #2002
OUTBOUND - SCALE INDICATOR 56656605KM E-seal #2008
Denise Bowers

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RS-F042UPR (04/19)

SIGNATURE

Denise B

NET AMOUNT
TENDERED
CHANGE
CHECK#

SITE Seattle 20 - 48 Ft --
SEATTLE ROOSEVELT-, WA

CUSTOMER 690610

Xing Hua Group Ltd
11225 SE 6th Street Ste 100
Bellevue, WA 98004
Contract:TB-13755

SCALE IN GROSS WEIGHT 94,480 NET TONS 21.90
SCALE OUT TARE WEIGHT 50,680 NET WEIGHT 43,800

SITE 3A TICKET # 5338436 CELL 319091

WEIGHMASTER Denise B.

DATE/TIME IN 9/27/24 12:41 pm DATE/TIME OUT 8/27/24 1:10 pm

VEHICLE 5227 CONTAINER AWIU200003

REFERENCE BNSF231114

BILL OF LADING INBOUND INVOICE

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
21.90	tn	Tracking Qty Contained in Contaminated Soil Origin:Mercer Island 1008				

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INBOUND - SCALE INDICATOR B337756370 E-seal #2002
OUTBOUND - SCALE INDICATOR 56656605KM E-seal #2008 Denise Bowers

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RS-F042UPR (04/19)

SIGNATURE Denise B

NET AMOUNT
TENDERED
CHANGE
CHECK#

SITE Seattle 20 - 48 Ft --
SEATTLE ROOSEVELT, WA

CUSTOMER 690610
Xing Hua Group Ltd
11225 SE 6th Street Ste 100
Bellevue, WA 98004
Contract:TB-13755

SCALE IN GROSS WEIGHT 93,080 NET TONS 23.33
SCALE OUT TARE WEIGHT 46,420 NET WEIGHT 46,660

SITE 3A	TICKET #	5338435	CELL	319032
WEIGHMASTER	Denise B.			
DATE/TIME IN	9/27/24 12:45 PM	DATE/TIME OUT	9/27/24 1:09 PM	
VEHICLE	2235	CONTAINER	TRU902653	
REFERENCE	BNSF231114			
BILL OF LADING				

INBOUND
INVOICE

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
23.33	tn	Tracking Qty Contained in Contaminated Soil Origin:Mercer Island 100%				

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by chapter 15.80 RCW administered by the Washington State Department of Agriculture.

INBOUND - SCALE INDICATOR B337755370 E-seal #2002
OUTBOUND - SCALE INDICATOR 5665605KM E-seal #2008
Denise Bowers

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RS-F0421PR (04/19)

SIGNATURE

Denise B

NET AMOUNT
TENDERED
CHANGE
CHECK#

SITE **Seattle 20 - 48 Ft -**
SEATTLE ROOSEVELT, WA

3A
SITE TICKET # **5338430** CELL **319082**

CUSTOMER **690610**
Xing Hua Group Ltd
11225 SE 6th Street Ste 100
Bellevue, WA 98004
Contract:TB-13755

WEIGHMASTER **Denise B.**
DATE/TIME IN **9/27/24 11:55 am** DATE/TIME OUT **9/27/24 12:18 PM**
VEHICLE **5226** CONTAINER **EGTU420523**
REFERENCE **DTTX645024**
BILL OF LADING **DTTX645024**

SCALE IN GROSS WEIGHT **96,360** NET TONS **24.77**
SCALE OUT TARE WEIGHT **46,820** NET WEIGHT **49,540**

INBOUND
INVOICE

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
24.77	tn	Tracking QTY Contained in Contaminated Soil Origin:Mercer Island 100%				

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INBOUND - SCALE INDICATOR B337755370 E-seal #2002
OUTBOUND - SCALE INDICATOR 56656605KM E-seal #2008
Denise Bowers

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RS-F0421PR (04/19)

SIGNATURE **Denise B**

NET AMOUNT
TENDERED
CHANGE
CHECK #

SITE Seattle 20 - 48 Ft --
SEATTLE ROOSEVELT-, WA

CUSTOMER 690610
Xing Hua Group Ltd
11225 SE 6th Street Ste 100
Bellevue, WA 98004
Contract:TB-13755

SCALE IN GROSS WEIGHT 88,960 NET TONS 19.47
SCALE OUT TARE WEIGHT 50,020 NET WEIGHT 38,940

SITE	3A	TICKET #	5338407	CELL	319067
WEIGHMASTER	Denise B.				
DATE/TIME IN	9/27/24	8:35 am	DATE/TIME OUT	9/27/24	10:00 am
VEHICLE	5227	CONTAINER		RBSU200204	
REFERENCE	BNSF230105				
BILL OF LADING	INBOUND INVOICE				

QTY	UNIT	Tracking QTY	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
15.47	tn	Contained in Contaminated Soil	Origin:Mercer Island 1008				

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by chapter 15.80 RCW administered by the Washington State Department of Agriculture.

INBOUND - SCALE INDICATOR B337755370 E-seal #2002
OUTBOUND - SCALE INDICATOR 56656605KM E-seal #2008 Denise Bowers

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RS-F0421PR (04/19)

SIGNATURE Denise B

NET AMOUNT
TENDERED
CHANGE
CHECK#

SITE **Seattle 20 - 48 Ft -**
SEATTLE ROOSEVELT-, WA

CUSTOMER **690610**
Xing Hua Group Ltd
11225 SE 6th Street Ste 100
Bellevue, WA 98004
Contract:TB-13755

SCALE IN GROSS WEIGHT **86,140** NET TONS **18.67**
SCALE OUT TARE WEIGHT **48,800** NET WEIGHT **37,340**

SITE	3A	TICKET #	5338405	CELL	319064
WEIGHMASTER	Denise B.				
DATE/TIME IN	9/27/24	9:21 am	DATE/TIME OUT	9/27/24	9:54 am
VEHICLE	2234	CONTAINER RSDU00106			
REFERENCE	DTYX620162				
BILL OF LADING	INBOUND INVOICE				

QTY	UNIT	Tracking QTY	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
18.67	tn	Contained in Contaminated Soil	Origin:Mercer Island 100%				

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INBOUND - SCALE INDICATOR B337755370 E-seal #2002
OUTBOUND - SCALE INDICATOR 5656605KM E-seal #2008
Denise Bowers

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RS-F0421UPR (04/19)

SIGNATURE *Denise B*

NET AMOUNT
TENDERED
CHANGE
CHECK#

SITE Seattle 20 - 48 Ft --
SEATTLE ROOSEVELT-, WA

CUSTOMER 690610

Xing Hua Group Ltd
11225 SE 6th Street Ste 100
Bellevue, WA 98004
Contract:TB-13755

SCALE IN GROSS WEIGHT 101,460 NET TONS 25.41
SCALE OUT TARE WEIGHT 50,640 NET WEIGHT 50,820

SITE 3A TICKET # 5338400 CELL 319028

WEIGHMASTER Denise B.

DATE/TIME IN 9/27/24 8:11 am DATE/TIME OUT 9/27/24 8:37 am

VEHICLE 2234 CONTAINER AW108243

REFERENCE

BILL OF LADING DTTX27034

INBOUND
INVOICE

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
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25.41	tn	Tracking Qty Contained in Contaminated Soil				
		Origin:Mercer Island 100%				

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by chapter 15.80 RCW administered by the Washington State Department of Agriculture.

INBOUND - SCALE INDICATOR B837755370 E-seal #2002
OUTBOUND - SCALE INDICATOR 56656605KM E-seal #2008 Denise Bowers

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RS-F042UPR (04/19)

SIGNATURE

Denise B

NET AMOUNT

TENDERED

CHANGE

CHECK#

SITE **Seattle 20 - 48 Ft --**
SEATTLE ROOSEVELT-, WA

CUSTOMER **690610**
Xing Hua Group Ltd
11225 SE 6th Street Ste 100
Bellevue, WA 98004
Contract:TB-13755

SCALE IN GROSS WEIGHT **96,160** NET TONS **24.92**
SCALE OUT TARE WEIGHT **46,320** NET WEIGHT **49,840**

SITE 3A		TICKET # 5338399		CELL 319097
WEIGHMASTER Denise B.				
DATE/TIME IN 9/27/24	8:03 am	DATE/TIME OUT 9/27/24	8:19 am	
VEHICLE 5226	CONTAINER GCEU435549			
REFERENCE DTYX27034				
BILL OF LADING				

INBOUND
INVOICE

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
24.92	tn	Tracking Qty Contained in Contaminated Soil Origin:Mercer Island 100%				

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by chapter 15.80 RCW administered by the Washington State Department of Agriculture.
INBOUND - SCALE INDICATOR B337755370 E-seal #2002
OUTBOUND - SCALE INDICATOR 56656605KM E-seal #2008

Denise Bowers

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RS-F0421UPR (04/19)

SIGNATURE

Denise B

NET AMOUNT
TENDERED
CHANGE
CHECK#

SITE Seattle 20 - 48 Ft --
SEATTLE ROOSEVELT-, WA

CUSTOMER 660410
King Hua Group Ltd
1123 SE 6th Street Ste 100
Bellevue, WA 98004
Contract:TB-13755

SCALE IN GROSS WEIGHT 92,240 NET TONS 21.99
SCALE OUT TARE WEIGHT 48,260 NET WEIGHT 43,980

SITE	TICKET #	5338533	CELL	315045
WEIGHMASTER	Danielle C.			
DATE/TIME IN	10/2/24	2:00 pm	DATE/TIME OUT	10/2/24 2:07 pm
VEHICLE	2034		CONTAINER	BG2440004
REFERENCE	BNSP231188			
BILL OF LADING	INBOUND INVOICE			

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
-----	------	-------------	------	-----------	-----	-------

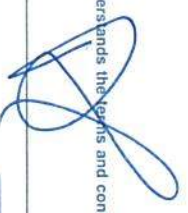
21.99	tn	Tracking 001 Contained in Contaminated Soil				
		Origin:Mercer Island 100%				

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by chapter 15.80 RCW administered by the Washington State Department of Agriculture.
INBOUND - SCALE INDICATOR B337755370 E-seal #2002
OUTBOUND - SCALE INDICATOR 5665605KM E-seal #2008
Danielle Cannon

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

RS-F042UPR (04/19)

SIGNATURE



NET AMOUNT
TENDERED
CHANGE
CHECK#

SITE Seattle 20 - 48 Ft --
SEATTLE ROOSEVELT, WA

CUSTOMER King Hua Group Ltd
11205 SE 6th Street Ste 100
Bellevue, WA 98004
Contract:TB-13755

SITE 3A TICKET # 5338531 CELL 310000

WEIGHMASTER Danielle C.

DATE/TIME IN 10/22/24 2:01 PM DATE/TIME OUT 10/22/24 2:16 PM

VEHICLE 7749 CONTAINER GCR440078

REFERENCE BNSF231188

BILL OF LADING INBOUND
INVOICE

SCALE IN GROSS WEIGHT 92,640 NET TONS 22.46
SCALE OUT TARE WEIGHT 47,720 NET WEIGHT 44,920

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
1	CU YD	Tracking City				
1	CU YD	Contained in Contaminated Soil				
		Origin:Mercer Island 1003				

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by chapter 15.80 RCW administered by the Washington State Department of Agriculture.
INBOUND - SCALE INDICATOR B337755370 E-seal #2002
OUTBOUND - SCALE INDICATOR 56656605KM E-seal #2008
Danielle Cannon

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.
SIGNATURE 

NET AMOUNT
TENDERED
CHANGE
CHECK #

SITE Seattle 20 - 48 Ft -
SEATTLE ROOSEVELT-, WA

CUSTOMER 690610

Xing Hua Group Ltd
11225 SE 6th Street Ste 100
Bellevue, WA 98004

Contract:TB-13755

SCALE IN GROSS WEIGHT 86,460 NET TONS 20.60
SCALE OUT TARE WEIGHT 45,260 NET WEIGHT 41,200

3A
SITE TICKET # 5338636 CELL 319018

WEIGHMASTER Denise B.

DATE/TIME IN 10/5/24 2:31 pm DATE/TIME OUT 10/5/24 2:51 pm

VEHICLE 3516 CONTAINER TOLU901258

REFERENCE

BNSF230105

BILL OF LADING

INBOUND
INVOICE

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
-----	------	-------------	------	-----------	-----	-------

20.60	tn	Tracking QTY Contained in Contaminated Soil		Origin:Mercer Island 100%		
-------	----	---	--	---------------------------	--	--

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by chapter 15.80 RCW administered by the Washington State Department of Agriculture.

INBOUND - SCALE INDICATOR B337755370 E-seal #2002
OUTBOUND - SCALE INDICATOR 5665605KM E-seal #2008

Denise Bowers

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer

NET AMOUNT

TENDERED

CHANGE

CHECK#

Denise B

Seattle 20 - 48 Ft --
SEATTLE ROOSEVELT , WA

3A5338399319097

Denise B.

690610 - Xing Hua Group Ltd
11225 SE 6th Street Ste 100
Bellevue, WA 98004

9/27/248:03 am9/27/248:19 am

5226GCEU435549

Contract:TB-13755

DTTX27034

Scale In GROSS WEIGHT96,160NET TONS24.92INBOUND
Scale Out TARE WEIGHT46,320NET WEIGHT49,840INVOICE

28.00YDTracking QTY

24.92tnContained inOrigin:Mercer Island 100%
Contaminated Soil

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by chapter 15.80 RCW administered by the Washington State Department of Agriculture.

INBOUND - SCALE INDICATOR B337755370 E-seal #2002

OUTBOUND - SCALE INDICATOR 56656605KM E-seal #2008

CHANGE:
CHECK :

Seattle 20 - 48 Ft --
SEATTLE ROOSEVELT , WA

3A5338400319098

Denise B.

690610 - Xing Hua Group Ltd
11225 SE 6th Street Ste 100
Bellevue, WA 98004

9/27/248:11 am9/27/248:37 am

2234AWIU8243

Contract:TB-13755

DTTX27034

Scale In GROSS WEIGHT101,460NET TONS25.41INBOUND
Scale Out TARE WEIGHT50,640NET WEIGHT50,820INVOICE

28.00YDTracking QTY

25.41tnContained inOrigin:Mercer Island 100%
Contaminated Soil

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by chapter 15.80 RCW administered by the Washington State Department of Agriculture.

INBOUND - SCALE INDICATOR B337755370 E-seal #2002

OUTBOUND - SCALE INDICATOR 56656605KM E-seal #2008

CHANGE:
CHECK :

Seattle 20 - 48 Ft --
SEATTLE ROOSEVELT , WA

3A5338407319067

Denise B.

690610 - Xing Hua Group Ltd
11225 SE 6th Street Ste 100
Bellevue, WA 98004

9/27/248:35 am9/27/2410:00 am
5227RBSU200204

Contract:TB-13755

BNSF230105

Scale In GROSS WEIGHT88,960NET TONS19.47
Scale Out TARE WEIGHT50,020NET WEIGHT38,940

INBOUND
INVOICE

28.00YDTracking QTY
19.47tnContained inOrigin:Mercer Island 100%
Contaminated Soil

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by chapter 15.80 RCW administered by the Washington State Department of Agriculture.
INBOUND - SCALE INDICATOR B337755370 E-seal #2002
OUTBOUND - SCALE INDICATOR 56656605KM E-seal #2008

Seattle 20 - 48 Ft --
SEATTLE ROOSEVELT , WA

3A5338405319064

Denise B.

690610 - Xing Hua Group Ltd
11225 SE 6th Street Ste 100
Bellevue, WA 98004

9/27/249:21 am9/27/249:54 am
2234RBSU200106

Contract:TB-13755

DTTX620162

Scale In GROSS WEIGHT86,140NET TONS18.67
Scale Out TARE WEIGHT48,800NET WEIGHT37,340

INBOUND
INVOICE

28.00YDTracking QTY
18.67tnContained inOrigin:Mercer Island 100%
Contaminated Soil

CHANGE:
CHECK :

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by chapter 15.80 RCW administered by the Washington State Department of Agriculture.
INBOUND - SCALE INDICATOR B337755370 E-seal #2002
OUTBOUND - SCALE INDICATOR 56656605KM E-seal #2008

CHANGE:
CHECK :

Seattle 20 - 48 Ft --
SEATTLE ROOSEVELT , WA

690610 - Xing Hua Group Ltd
11225 SE 6th Street Ste 100
Bellevue, WA 98004

Contract:TB-13755

3A

5338430

Denise B.

9/27/24 11:55 am
5226

319082
9/27/24 12:18 pm
EGTU420523

Scale In GROSS WEIGHT 96,360 NET TONS 24.77
Scale Out TARE WEIGHT 46,820 NET WEIGHT 49,540

INBOUND
INVOICE

28.00 YD Tracking QTY
24.77 tn Contained in Contaminated Soil

Origin:Mercer Island 100%

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INBOUND - SCALE INDICATOR B337755370 E-seal #2002
OUTBOUND - SCALE INDICATOR 56656605KM E-seal #2008

Seattle 20 - 48 Ft --
SEATTLE ROOSEVELT , WA

690610 - Xing Hua Group Ltd
11225 SE 6th Street Ste 100
Bellevue, WA 98004

Contract:TB-13755

3A

5338436

Denise B.

9/27/24 12:41 pm
5227

319091
9/27/24 1:10 pm
AWIU200003

Scale In GROSS WEIGHT 94,480 NET TONS 21.90
Scale Out TARE WEIGHT 50,680 NET WEIGHT 43,800

INBOUND
INVOICE

28.00 YD Tracking QTY
21.90 tn Contained in Contaminated Soil

Origin:Mercer Island 100%

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by chapter 15.80 RCW administered by the Washington State Department of Agriculture.
INBOUND - SCALE INDICATOR B337755370 E-seal #2002
OUTBOUND - SCALE INDICATOR 56656605KM E-seal #2008

CHANGE :

CHECK :

Seattle 20 - 48 Ft --
SEATTLE ROOSEVELT , WA

3A5338435319092

Denise B.

690610 - Xing Hua Group Ltd
11225 SE 6th Street Ste 100
Bellevue, WA 98004

9/27/24 12:45 pm
2235

9/27/24 1:09 pm
TRLU902653

Contract:TB-13755

Scale In	GROSS WEIGHT	93,080	NET TONS	23.33	INBOUND
Scale Out	TARE WEIGHT	46,420	NET WEIGHT	46,660	INVOICE

28.00	YD	Tracking QTY	
23.33	tn	Contained in	Origin:Mercer Island 100%
		Contaminated Soil	

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INBOUND - SCALE INDICATOR B337755370 E-seal #2002
OUTBOUND - SCALE INDICATOR 56656605KM E-seal #2008

CHANGE :
CHECK :

Seattle 20 - 48 Ft --
SEATTLE ROOSEVELT , WA

3A5338438319073

Denise B.

690610 - Xing Hua Group Ltd
11225 SE 6th Street Ste 100
Bellevue, WA 98004

9/27/24 12:53 pm
0331

9/27/24 1:18 pm
RBSU200436

Contract:TB-13755

Scale In	GROSS WEIGHT	87,100	NET TONS	19.63	INBOUND
Scale Out	TARE WEIGHT	47,840	NET WEIGHT	39,260	INVOICE

28.00	YD	Tracking QTY	
19.63	tn	Contained in	Origin:Mercer Island 100%
		Contaminated Soil	

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by chapter 15.80 RCW administered by the Washington State Department of Agriculture.
INBOUND - SCALE INDICATOR B337755370 E-seal #2002
OUTBOUND - SCALE INDICATOR 56656605KM E-seal #2008

CHANGE :
CHECK :

Seattle 20 - 48 Ft --
SEATTLE ROOSEVELT , WA

3A5338439319074

Denise B.

690610 - Xing Hua Group Ltd
11225 SE 6th Street Ste 100
Bellevue, WA 98004

9/27/241:00 pm9/27/241:27 pm
2234RBSU200361

Contract:TB-13755

DTTX427445

Scale In	GROSS WEIGHT	91,640	NET TONS	21.95	INBOUND
Scale Out	TARE WEIGHT	47,740	NET WEIGHT	43,900	INVOICE

28.00	YD	Tracking QTY	
21.95	tn	Contained in	Origin:Mercer Island 100%
		Contaminated Soil	

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by chapter 15.80 RCW administered by the Washington State Department of Agriculture.
INBOUND - SCALE INDICATOR B337755370 E-seal #2002
OUTBOUND - SCALE INDICATOR 56656605KM E-seal #2008

CHANGE :
CHECK :

Seattle 20 - 48 Ft --
SEATTLE ROOSEVELT , WA

3A5338446319076

Denise B.

690610 - Xing Hua Group Ltd
11225 SE 6th Street Ste 100
Bellevue, WA 98004

9/27/241:41 pm9/27/242:07 pm
5227RBSU200157

Contract:TB-13755

DTTX427445

Scale In	GROSS WEIGHT	91,640	NET TONS	21.24	INBOUND
Scale Out	TARE WEIGHT	49,160	NET WEIGHT	42,480	INVOICE

28.00	YD	Tracking QTY	
21.24	tn	Contained in	Origin:Mercer Island 100%
		Contaminated Soil	

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INBOUND - SCALE INDICATOR B337755370 E-seal #2002
OUTBOUND - SCALE INDICATOR 56656605KM E-seal #2008

CHANGE :
CHECK :

Seattle 20 - 48 Ft --
SEATTLE ROOSEVELT , WA

3A5338441319077

690610 - Xing Hua Group Ltd
11225 SE 6th Street Ste 100
Bellevue, WA 98004

Denise B.
9/27/24 1:43 pm
5226

9/27/24 1:59 pm
RBSU200265

Contract:TB-13755

BNSF230076

Scale In GROSS WEIGHT	95,840	NET TONS	24.06	INBOUND
Scale Out TARE WEIGHT	47,720	NET WEIGHT	48,120	INVOICE

28.00 YD Tracking QTY

24.06 tn Contained in Origin:Mercer Island 100%
Contaminated Soil

CHANGE:

CHECK :

Seattle 20 - 48 Ft --
SEATTLE ROOSEVELT , WA

3A5338447319078

690610 - Xing Hua Group Ltd
11225 SE 6th Street Ste 100
Bellevue, WA 98004

Denise B.
9/27/24 1:47 pm
0331

9/27/24 2:07 pm
RBSU200352

Contract:TB-13755

BNSF230076

Scale In GROSS WEIGHT	91,160	NET TONS	21.51	INBOUND
Scale Out TARE WEIGHT	48,140	NET WEIGHT	43,020	INVOICE

28.00 YD Tracking QTY

21.51 tn Contained in Origin:Mercer Island 100%
Contaminated Soil

CHANGE:

CHECK :

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by chapter 15.80 RCW administered by the Washington State Department of Agriculture.

INBOUND - SCALE INDICATOR B337755370 E-seal #2002

OUTBOUND - SCALE INDICATOR 56656605KM E-seal #2008

Seattle 20 - 48 Ft --
SEATTLE ROOSEVELT , WA

690610 - Xing Hua Group Ltd
11225 SE 6th Street Ste 100
Bellevue, WA 98004

Contract:TB-13755

3A

5338451

Denise B.

9/27/24 1:56 pm
2234

9/27/24 2:26 pm
GCEU430376

BNSF230076

Scale In GROSS WEIGHT
Scale Out TARE WEIGHT

95,500
46,560

NET TONS
NET WEIGHT

24.47
48,940

INBOUND
INVOICE

28.00 YD Tracking QTY
24.47 tn Contained in
Contaminated Soil

Origin:Mercer Island 100%

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by chapter 15.80 RCW administered by the Washington State Department of Agriculture.
INBOUND - SCALE INDICATOR B337755370 E-seal #2002
OUTBOUND - SCALE INDICATOR 56656605KM E-seal #2008

Seattle 20 - 48 Ft --
SEATTLE ROOSEVELT , WA

690610 - Xing Hua Group Ltd
11225 SE 6th Street Ste 100
Bellevue, WA 98004

Contract:TB-13755

3A

5338452

Denise B.

9/27/24 2:12 pm
3516

9/27/24 2:33 pm
RBSU200290

BNSF230076

Scale In GROSS WEIGHT
Scale Out TARE WEIGHT

94,480
47,700

NET TONS
NET WEIGHT

23.39
46,780

INBOUND
INVOICE

28.00 YD Tracking QTY
23.39 tn Contained in
Contaminated Soil

Origin:Mercer Island 100%

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by chapter 15.80 RCW administered by the Washington State Department of Agriculture.
INBOUND - SCALE INDICATOR B337755370 E-seal #2002
OUTBOUND - SCALE INDICATOR 56656605KM E-seal #2008

CHANGE :

CHECK :

Seattle 20 - 48 Ft --
SEATTLE ROOSEVELT , WA

3A5338455319081

690610 - Xing Hua Group Ltd
11225 SE 6th Street Ste 100
Bellevue, WA 98004

Denise B.
9/27/24 2:30 pm
2235

9/27/24 3:01 pm
TOLU456256

Contract:TB-13755

BNSF230076

Scale In GROSS WEIGHT	85,820	NET TONS	19.92	INBOUND
Scale Out TARE WEIGHT	45,980	NET WEIGHT	39,840	INVOICE

28.00	YD	Tracking QTY	
19.92	tn	Contained in	Origin:Mercer Island 100%
		Contaminated Soil	

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INBOUND - SCALE INDICATOR B337755370 E-seal #2002

OUTBOUND - SCALE INDICATOR 56656605KM E-seal #2008

CHANGE:
CHECK :

Seattle 20 - 48 Ft --
SEATTLE ROOSEVELT , WA

3A5338456319096

690610 - Xing Hua Group Ltd
11225 SE 6th Street Ste 100
Bellevue, WA 98004

Denise B.
9/27/24 2:42 pm
5227

9/27/24 3:12 pm
AWIU8368

Contract:TB-13755

DTTX27034

Scale In GROSS WEIGHT	97,400	NET TONS	24.64	INBOUND
Scale Out TARE WEIGHT	48,120	NET WEIGHT	49,280	INVOICE

28.00	YD	Tracking QTY	
24.64	tn	Contained in	Origin:Mercer Island 100%
		Contaminated Soil	

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INBOUND - SCALE INDICATOR B337755370 E-seal #2002

OUTBOUND - SCALE INDICATOR 56656605KM E-seal #2008

CHANGE:
CHECK :

Seattle 20 - 48 Ft --
SEATTLE ROOSEVELT , WA

690610 - Xing Hua Group Ltd
11225 SE 6th Street Ste 100
Bellevue, WA 98004

Contract:TB-13755

3A

5338457

Denise B.

9/27/24 2:44 pm
0331

319095
9/27/24 3:17 pm
AWIU200004

Scale In GROSS WEIGHT 95,760 NET TONS 23.13
Scale Out TARE WEIGHT 49,500 NET WEIGHT 46,260

INBOUND
INVOICE

28.00 YD Tracking QTY
23.13 tn Contained in Contaminated Soil

Origin:Mercer Island 100%

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by chapter 15.80 RCW administered by the Washington State Department of Agriculture.
INBOUND - SCALE INDICATOR B337755370 E-seal #2002
OUTBOUND - SCALE INDICATOR 56656605KM E-seal #2008

Seattle 20 - 48 Ft --
SEATTLE ROOSEVELT , WA

690610 - Xing Hua Group Ltd
11225 SE 6th Street Ste 100
Bellevue, WA 98004

Contract:TB-13755

3A

5338533

Danielle C.

10/2/24 2:00 pm
2234

319087
10/2/24 2:27 pm
EGTU420439

Scale In GROSS WEIGHT 92,240 NET TONS 21.99
Scale Out TARE WEIGHT 48,260 NET WEIGHT 43,980

INBOUND
INVOICE

28.00 YD Tracking QTY
21.99 tn Contained in Contaminated Soil

Origin:Mercer Island 100%

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by chapter 15.80 RCW administered by the Washington State Department of Agriculture.
INBOUND - SCALE INDICATOR B337755370 E-seal #2002
OUTBOUND - SCALE INDICATOR 56656605KM E-seal #2008

CHANGE :

CHECK :

Seattle 20 - 48 Ft --
SEATTLE ROOSEVELT , WA

3A5338531319088

Danielle C.

690610 - Xing Hua Group Ltd
11225 SE 6th Street Ste 100
Bellevue, WA 98004

10/2/242:01 pm10/2/242:16 pm
7749GCEU440078

Contract:TB-13755

BNSF231188

Scale In	GROSS WEIGHT	92,640	NET TONS	22.46	INBOUND
Scale Out	TARE WEIGHT	47,720	NET WEIGHT	44,920	INVOICE

28.00	YD	Tracking QTY	
22.46	tn	Contained in Contaminated Soil	Origin:Mercer Island 100%

CHANGE :
CHECK :

Seattle 20 - 48 Ft --
SEATTLE ROOSEVELT , WA

3A5338586

Saovry S.

690610 - Xing Hua Group Ltd
11225 SE 6th Street Ste 100
Bellevue, WA 98004

10/3/242:20 pm10/3/242:20 pm
Cowden
6679

Contract:TB-13755

Scale In	GROSS WEIGHT	0	NET TONS	0.00	INBOUND
Scale Out	TARE WEIGHT	0	NET WEIGHT	0	INVOICE

31.83	HR	Tracking QTY	
31.83	hr	Trucking	Origin:Mercer Island 100%

CHANGE :
CHECK :

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INBOUND - SCALE INDICATOR B337755370 E-seal #2002
OUTBOUND - SCALE INDICATOR 56656605KM E-seal #2008

Seattle 20 - 48 Ft --
SEATTLE ROOSEVELT , WA

3A5338636319018

Denise B.

690610 - Xing Hua Group Ltd
11225 SE 6th Street Ste 100
Bellevue, WA 98004

10/5/24 2:31 pm
3516

10/5/24 2:51 pm
TOLU901258

Contract:TB-13755

Scale In GROSS WEIGHT	86,460	NET TONS	20.60	INBOUND
Scale Out TARE WEIGHT	45,260	NET WEIGHT	41,200	INVOICE

28.00	YD	Tracking QTY	
20.60	tn	Contained in	Origin:Mercer Island 100%
		Contaminated Soil	

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by chapter 15.80 RCW administered by the Washington State Department of Agriculture.
INBOUND - SCALE INDICATOR B337755370 E-seal #2002
OUTBOUND - SCALE INDICATOR 56656605KM E-seal #2008

CHANGE :
CHECK :

Seattle 20 - 48 Ft --
SEATTLE ROOSEVELT , WA

3A5339232

Saovry S.

690610 - Xing Hua Group Ltd
11225 SE 6th Street Ste 100
Bellevue, WA 98004

10/29/24 3:00 pm
Cowden
6729

10/29/24 3:00 pm

Contract:TB-13755

Scale In GROSS WEIGHT	0	NET TONS	0.00	INBOUND
Scale Out TARE WEIGHT	0	NET WEIGHT	0	INVOICE

3.25	HR	Tracking QTY	
3.25	hr	Trucking	Origin:Mercer Island 100%

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by chapter 15.80 RCW administered by the Washington State Department of Agriculture.
INBOUND - SCALE INDICATOR B337755370 E-seal #2002
OUTBOUND - SCALE INDICATOR 56656605KM E-seal #2008

CHANGE :
CHECK :

Detail Customer Activity Report

August 01, 2024 to October 03, 2024

Specific Customer(s) : 10696

TPH Soil

010696- R Miller, Inc

Ticket Date	Facility & Ticket			Truck #	Container	Material	Material Rate	Billing		Material Total	Tax Total	Total
	Number	Contract						Quantity				
08/12/2024	I 01	1025295	TB-11816	39 TD	EXCAVATING	SW-CONT W/FUEL	72.00	F	16.24 TN	\$1,169.28	\$0.00	\$1,169.28
08/12/2024	I 01	1025297	TB-11816	39 TD	EXCAVATING	SW-CONT W/FUEL	72.00	F	16.93 TN	\$1,218.96	\$0.00	\$1,218.96
08/12/2024	I 01	1025298	TB-11816	39 TD	EXCAVATING	SW-CONT W/FUEL	72.00	F	13.04 TN	\$938.88	\$0.00	\$938.88
08/12/2024	I 01	1025303	TB-11816	39 TD	EXCAVATING	SW-CONT W/FUEL	72.00	F	20.35 TN	\$1,465.20	\$0.00	\$1,465.20
08/12/2024	I 01	1025311	TB-11816	39 TD	EXCAVATING	SW-CONT W/FUEL	72.00	F	17.48 TN	\$1,258.56	\$0.00	\$1,258.56
08/13/2024	I 01	1025317	TB-11816	39 TD	EXCAVATING	SW-CONT W/FUEL	72.00	F	13.30 TN	\$957.60	\$0.00	\$957.60
08/13/2024	I 01	1025323	TB-11816	39 TD	EXCAVATING	SW-CONT W/FUEL	72.00	F	13.95 TN	\$1,004.40	\$0.00	\$1,004.40
08/13/2024	I 01	1025325	TB-11816	39 TD	EXCAVATING	SW-CONT W/FUEL	72.00	F	16.72 TN	\$1,203.84	\$0.00	\$1,203.84
08/13/2024	I 01	1025330	TB-11816	39 TD	EXCAVATING	SW-CONT W/FUEL	72.00	F	16.74 TN	\$1,205.28	\$0.00	\$1,205.28
08/13/2024	I 01	1025333	TB-11816	39 TD	EXCAVATING	SW-CONT W/FUEL	72.00	F	17.93 TN	\$1,290.96	\$0.00	\$1,290.96
08/13/2024	I 01	1025342	TB-11816	39 TD	EXCAVATING	SW-CONT W/FUEL	72.00	F	18.60 TN	\$1,339.20	\$0.00	\$1,339.20
08/14/2024	I 01	1025356	TB-11816	39 TD	EXCAVATING	SW-CONT W/FUEL	72.00	F	16.55 TN	\$1,191.60	\$0.00	\$1,191.60
08/14/2024	I 01	1025359	TB-11816	39 TD	EXCAVATING	SW-CONT W/FUEL	72.00	F	15.69 TN	\$1,129.68	\$0.00	\$1,129.68
08/14/2024	I 01	1025366	TB-11816	39 TD	EXCAVATING	SW-CONT W/FUEL	72.00	F	18.87 TN	\$1,358.64	\$0.00	\$1,358.64
08/14/2024	I 01	1025372	TB-11816	39 TD	EXCAVATING	SW-CONT W/FUEL	72.00	F	15.43 TN	\$1,110.96	\$0.00	\$1,110.96
08/15/2024	I 01	1025388	TB-11816	1 R&R		SW-CONT W/FUEL	72.00	F	7.08 TN	\$509.76	\$0.00	\$509.76
08/15/2024	I 01	1025390	TB-11816	39 TD	EXCAVATING	SW-CONT W/FUEL	72.00	F	13.43 TN	\$966.96	\$0.00	\$966.96
08/15/2024	I 01	1025393	TB-11816	1 R&R		SW-CONT W/FUEL	72.00	F	8.72 TN	\$627.84	\$0.00	\$627.84
08/15/2024	I 01	1025403	TB-11816	39 TD	EXCAVATING	SW-CONT W/FUEL	72.00	F	14.66 TN	\$1,055.52	\$0.00	\$1,055.52
08/15/2024	I 01	1025406	TB-11816	1 R&R		SW-CONT W/FUEL	72.00	F	4.99 TN	\$359.28	\$0.00	\$359.28
08/15/2024	I 01	1025414	TB-11816	39 TD	EXCAVATING	SW-CONT W/FUEL	72.00	F	15.49 TN	\$1,115.28	\$0.00	\$1,115.28
08/15/2024	I 01	1025415	TB-11816	1 R&R		SW-CONT W/FUEL	72.00	F	9.93 TN	\$714.96	\$0.00	\$714.96
08/15/2024	I 01	1025420	TB-11816	1 R&R		SW-CONT W/FUEL	72.00	F	10.16 TN	\$731.52	\$0.00	\$731.52
08/15/2024	I 01	1025422	TB-11816	39 TD	EXCAVATING	SW-CONT W/FUEL	72.00	F	14.47 TN	\$1,041.84	\$0.00	\$1,041.84
08/15/2024	I 01	1025425	TB-11816	1 R&R		SW-CONT W/FUEL	72.00	F	9.79 TN	\$704.88	\$0.00	\$704.88
08/15/2024	I 01	1025430	TB-11816	39 TD	EXCAVATING	SW-CONT W/FUEL	72.00	F	15.12 TN	\$1,088.64	\$0.00	\$1,088.64
08/15/2024	I 01	1025432	TB-11816	1 R&R		SW-CONT W/FUEL	72.00	F	10.79 TN	\$776.88	\$0.00	\$776.88

Tickets Reported: 27 Items Reported: 27

Customer Totals: \$27,536.40 \$0.00 \$27,536.40

Material Summary	Weight					Volume					Count		Billing		Material	Tax	Total
	Inbound	Outbound		Inbound	Outbound		Inbound	Outbound		Quantity	Total	Total					
VH - SW-CONT W/FUEL	382.45	0.00	TN	0.00	0.00	YD	0.00	0.00		382.45	TN	\$27,536.40	\$0.00		\$27,536.40		

				Cash Totals:			
				Invoice Totals:	\$27,536.40	\$0.00	\$27,536.40
				Report Totals:	\$27,536.40	\$0.00	\$27,536.40
Tickets Reported:	27	Items Reported:	27				

Detail Customer Activity Report

August 01, 2024 to October 03, 2024

Specific Customer(s) : 333847

TPH Soil

333847- Xing Hua Group Ltd

Ticket Date	Facility & Ticket Number	Contract	Truck #	Container	Material	Material Rate	Billing Quantity	Material Total	Tax Total	Total
08/19/2024 I 01	1025451	TB11816X	39 TD EXCAVATING		SW-CONT W/FUEL	72.00 F	15.91 TN	\$1,145.52	\$0.00	\$1,145.52
08/19/2024 I 01	1025455	TB11816X	39 TD EXCAVATING		SW-CONT W/FUEL	72.00 F	18.03 TN	\$1,298.16	\$0.00	\$1,298.16
08/19/2024 I 01	1025456	TB11816X	3 CARSON		SW-CONT W/FUEL	72.00 F	30.82 TN	\$2,219.04	\$0.00	\$2,219.04
08/26/2024 I 01	1025570	TB11816X	515 ROCK-ON		SW-CONT W/FUEL	72.00 F	14.98 TN	\$1,078.56	\$0.00	\$1,078.56
08/26/2024 I 01	1025571	TB11816X	02 4S		SW-CONT W/FUEL	72.00 F	15.30 TN	\$1,101.60	\$0.00	\$1,101.60
08/26/2024 I 01	1025574	TB11816X	515 ROCK-ON		SW-CONT W/FUEL	72.00 F	14.88 TN	\$1,071.36	\$0.00	\$1,071.36
08/26/2024 I 01	1025579	TB11816X	39 TD EXCAVATING		SW-CONT W/FUEL	72.00 F	15.42 TN	\$1,110.24	\$0.00	\$1,110.24
08/26/2024 I 01	1025583	TB11816X	02 4S		SW-CONT W/FUEL	72.00 F	15.24 TN	\$1,097.28	\$0.00	\$1,097.28
08/26/2024 I 01	1025585	TB11816X	515 ROCK-ON		SW-CONT W/FUEL	72.00 F	14.28 TN	\$1,028.16	\$0.00	\$1,028.16
08/26/2024 I 01	1025590	TB11816X	39 TD EXCAVATING		SW-CONT W/FUEL	72.00 F	14.66 TN	\$1,055.52	\$0.00	\$1,055.52
08/26/2024 I 01	1025593	TB11816X	02 4S		SW-CONT W/FUEL	72.00 F	14.40 TN	\$1,036.80	\$0.00	\$1,036.80
08/26/2024 I 01	1025596	TB11816X	515 ROCK-ON		SW-CONT W/FUEL	72.00 F	14.47 TN	\$1,041.84	\$0.00	\$1,041.84
08/26/2024 I 01	1025606	TB11816X	02 4S		SW-CONT W/FUEL	72.00 F	15.52 TN	\$1,117.44	\$0.00	\$1,117.44
08/26/2024 I 01	1025607	TB11816X	515 ROCK-ON		SW-CONT W/FUEL	72.00 F	14.75 TN	\$1,062.00	\$0.00	\$1,062.00
08/27/2024 I 01	1025628	TB11816X	72 THAYER		SW-CONT W/FUEL	72.00 F	15.16 TN	\$1,091.52	\$0.00	\$1,091.52
08/27/2024 I 01	1025633	TB11816X	39 TD EXCAVATING		SW-CONT W/FUEL	72.00 F	18.20 TN	\$1,310.40	\$0.00	\$1,310.40
08/27/2024 I 01	1025637	TB11816X	72 THAYER		SW-CONT W/FUEL	72.00 F	11.47 TN	\$825.84	\$0.00	\$825.84
08/27/2024 I 01	1025645	TB11816X	39 TD EXCAVATING		SW-CONT W/FUEL	72.00 F	16.08 TN	\$1,157.76	\$0.00	\$1,157.76
08/27/2024 I 01	1025646	TB11816X	72 THAYER		SW-CONT W/FUEL	72.00 F	13.29 TN	\$956.88	\$0.00	\$956.88
08/27/2024 I 01	1025652	TB11816X	39 TD EXCAVATING		SW-CONT W/FUEL	72.00 F	16.88 TN	\$1,215.36	\$0.00	\$1,215.36
08/27/2024 I 01	1025654	TB11816X	72 THAYER		SW-CONT W/FUEL	72.00 F	12.48 TN	\$898.56	\$0.00	\$898.56
08/27/2024 I 01	1025662	TB11816X	39 TD EXCAVATING		SW-CONT W/FUEL	72.00 F	17.97 TN	\$1,293.84	\$0.00	\$1,293.84
08/27/2024 I 01	1025663	TB11816X	72 THAYER		SW-CONT W/FUEL	72.00 F	11.66 TN	\$839.52	\$0.00	\$839.52
08/27/2024 I 01	1025667	TB11816X	39 TD EXCAVATING		SW-CONT W/FUEL	72.00 F	17.19 TN	\$1,237.68	\$0.00	\$1,237.68
08/27/2024 I 01	1025668	TB11816X	72 THAYER		SW-CONT W/FUEL	72.00 F	11.66 TN	\$839.52	\$0.00	\$839.52
08/27/2024 I 01	1025669	TB11816X	39 TD EXCAVATING		SW-CONT W/FUEL	72.00 F	18.35 TN	\$1,321.20	\$0.00	\$1,321.20
08/27/2024 I 01	1025671	TB11816X	72 THAYER		SW-CONT W/FUEL	72.00 F	12.49 TN	\$899.28	\$0.00	\$899.28
08/27/2024 I 01	1025674	TB11816X	72 THAYER		SW-CONT W/FUEL	72.00 F	13.15 TN	\$946.80	\$0.00	\$946.80
08/27/2024 I 01	1025675	TB11816X	39 TD EXCAVATING		SW-CONT W/FUEL	72.00 F	17.69 TN	\$1,273.68	\$0.00	\$1,273.68
08/27/2024 I 01	1025676	TB11816X	72 THAYER		SW-CONT W/FUEL	72.00 F	12.28 TN	\$884.16	\$0.00	\$884.16
08/28/2024 I 01	1025684	TB11816X	39 TD EXCAVATING		SW-CONT W/FUEL	72.00 F	15.20 TN	\$1,094.40	\$0.00	\$1,094.40
08/28/2024 I 01	1025692	TB11816X	39 TD EXCAVATING		SW-CONT W/FUEL	72.00 F	18.91 TN	\$1,361.52	\$0.00	\$1,361.52
08/28/2024 I 01	1025704	TB11816X	39 TD EXCAVATING		SW-CONT W/FUEL	72.00 F	16.72 TN	\$1,203.84	\$0.00	\$1,203.84
08/28/2024 I 01	1025709	TB11816X	39 TD EXCAVATING		SW-CONT W/FUEL	72.00 F	17.84 TN	\$1,284.48	\$0.00	\$1,284.48
09/25/2024 I 01	1026176	TB11816X	4 BDT		SW-CONT W/FUEL	72.00 F	11.97 TN	\$861.84	\$0.00	\$861.84
09/25/2024 I 01	1026184	TB11816X	4 BDT		SW-CONT W/FUEL	72.00 F	14.02 TN	\$1,009.44	\$0.00	\$1,009.44
09/25/2024 I 01	1026186	TB11816X	39 TD EXCAVATING		SW-CONT W/FUEL	72.00 F	14.39 TN	\$1,036.08	\$0.00	\$1,036.08
09/25/2024 I 01	1026190	TB11816X	4 BDT		SW-CONT W/FUEL	72.00 F	13.55 TN	\$975.60	\$0.00	\$975.60

All Ticket Types
History and Waiting

Detail Customer Activity Report

August 01, 2024 to October 03, 2024

Specific Customer(s) : 333847

All Facilities

333847- Xing Hua Group Ltd

Ticket Date	Facility & Ticket Number		Contract	Truck #	Container	Material	Material Rate		Billing Quantity		Material Total	Tax Total	Total
09/25/2024	I 01	1026192	TB11816X	39 TD	EXCAVATING	SW-CONT W/FUEL	72.00	F	17.20	TN	\$1,238.40	\$0.00	\$1,238.40
09/25/2024	I 01	1026196	TB11816X	4 BDT		SW-CONT W/FUEL	72.00	F	14.47	TN	\$1,041.84	\$0.00	\$1,041.84
09/25/2024	I 01	1026201	TB11816X	39 TD	EXCAVATING	SW-CONT W/FUEL	72.00	F	16.77	TN	\$1,207.44	\$0.00	\$1,207.44
09/25/2024	I 01	1026202	TB11816X	4 BDT		SW-CONT W/FUEL	72.00	F	13.14	TN	\$946.08	\$0.00	\$946.08
09/25/2024	I 01	1026205	TB11816X	39 TD	EXCAVATING	SW-CONT W/FUEL	72.00	F	14.41	TN	\$1,037.52	\$0.00	\$1,037.52
09/25/2024	I 01	1026207	TB11816X	4 BDT		SW-CONT W/FUEL	72.00	F	11.06	TN	\$796.32	\$0.00	\$796.32
09/25/2024	I 01	1026212	TB11816X	39 TD	EXCAVATING	SW-CONT W/FUEL	72.00	F	16.86	TN	\$1,213.92	\$0.00	\$1,213.92
09/25/2024	I 01	1026213	TB11816X	4 BDT		SW-CONT W/FUEL	72.00	F	11.35	TN	\$817.20	\$0.00	\$817.20
09/26/2024	I 01	1026232	TB11816X	39 TD	EXCAVATING	SW-CONT W/FUEL	72.00	F	18.86	TN	\$1,357.92	\$0.00	\$1,357.92
09/26/2024	I 01	1026233	TB11816X	4 BDT		SW-CONT W/FUEL	72.00	F	13.17	TN	\$948.24	\$0.00	\$948.24
09/26/2024	I 01	1026234	TB11816X	01 WARD		SW-CONT W/FUEL	72.00	F	13.49	TN	\$971.28	\$0.00	\$971.28
09/26/2024	I 01	1026237	TB11816X	4 BDT		SW-CONT W/FUEL	72.00	F	13.32	TN	\$959.04	\$0.00	\$959.04
09/26/2024	I 01	1026238	TB11816X	01 WARD		SW-CONT W/FUEL	72.00	F	13.41	TN	\$965.52	\$0.00	\$965.52
09/26/2024	I 01	1026240	TB11816X	39 TD	EXCAVATING	SW-CONT W/FUEL	72.00	F	13.33	TN	\$959.76	\$0.00	\$959.76
09/26/2024	I 01	1026241	TB11816X	4 BDT		SW-CONT W/FUEL	72.00	F	14.68	TN	\$1,056.96	\$0.00	\$1,056.96
09/26/2024	I 01	1026242	TB11816X	01 WARD		SW-CONT W/FUEL	72.00	F	12.51	TN	\$900.72	\$0.00	\$900.72
09/26/2024	I 01	1026243	TB11816X	01 WARD		SW-CONT W/FUEL	72.00	F	11.48	TN	\$826.56	\$0.00	\$826.56
09/26/2024	I 01	1026244	TB11816X	4 BDT		SW-CONT W/FUEL	72.00	F	12.60	TN	\$907.20	\$0.00	\$907.20
09/26/2024	I 01	1026245	TB11816X	39 TD	EXCAVATING	SW-CONT W/FUEL	72.00	F	13.79	TN	\$992.88	\$0.00	\$992.88
09/26/2024	I 01	1026246	TB11816X	01 WARD		SW-CONT W/FUEL	72.00	F	13.00	TN	\$936.00	\$0.00	\$936.00
09/26/2024	I 01	1026247	TB11816X	4 BDT		SW-CONT W/FUEL	72.00	F	12.06	TN	\$868.32	\$0.00	\$868.32
09/26/2024	I 01	1026249	TB11816X	39 TD	EXCAVATING	SW-CONT W/FUEL	72.00	F	18.78	TN	\$1,352.16	\$0.00	\$1,352.16
09/26/2024	I 01	1026250	TB11816X	4 BDT		SW-CONT W/FUEL	72.00	F	12.61	TN	\$907.92	\$0.00	\$907.92
09/26/2024	I 01	1026251	TB11816X	01 WARD		SW-CONT W/FUEL	72.00	F	8.44	TN	\$607.68	\$0.00	\$607.68
09/26/2024	I 01	1026253	TB11816X	4 BDT		SW-CONT W/FUEL	72.00	F	12.50	TN	\$900.00	\$0.00	\$900.00
09/26/2024	I 01	1026254	TB11816X	01 WARD		SW-CONT W/FUEL	72.00	F	12.01	TN	\$864.72	\$0.00	\$864.72
09/26/2024	I 01	1026256	TB11816X	39 TD	EXCAVATING	SW-CONT W/FUEL	72.00	F	12.69	TN	\$913.68	\$0.00	\$913.68
09/26/2024	I 01	1026257	TB11816X	4 BDT		SW-CONT W/FUEL	72.00	F	13.01	TN	\$936.72	\$0.00	\$936.72
09/26/2024	I 01	1026258	TB11816X	01 WARD		SW-CONT W/FUEL	72.00	F	12.97	TN	\$933.84	\$0.00	\$933.84

Tickets Reported:	67	Items Reported:	67	Customer Totals:	\$70,648.56	\$0.00	\$70,648.56
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Material Summary	Weight		Volume		Count		Billing Quantity	Material Total	Tax Total	Total			
	Inbound	Outbound	Inbound	Outbound	Inbound	Outbound							
VH - SW-CONT W/FUEL	981.23	0.00	TN	0.00	0.00	YD	0.00	0.00	981.23	TN	\$70,648.56	\$0.00	\$70,648.56

				Cash Totals:					
Tickets Reported:		67	Items Reported:		67	Invoice Totals:	\$70,648.56	\$0.00	\$70,648.56
						Report Totals:	\$70,648.56	\$0.00	\$70,648.56

333847- Xing Hua Group Ltd

Ticket Date	Facility & Ticket Number	Contract	Truck #	Container	Material	Material Rate	Billing Quantity	Material Total	Tax Total	Total
10/31/2024 I 01	1027223	TB11816X	104 SANTA		SW-CONT W/FUEL	72.00 F	12.36 TN	\$889.92	\$0.00	\$889.92
10/31/2024 I 01	1027226	TB11816X	104 SANTA		SW-CONT W/FUEL	72.00 F	14.38 TN	\$1,035.36	\$0.00	\$1,035.36
10/31/2024 I 01	1027233	TB11816X	104 SANTA		SW-CONT W/FUEL	72.00 F	11.97 TN	\$861.84	\$0.00	\$861.84
10/31/2024 I 01	1027235	TB11816X	104 SANTA		SW-CONT W/FUEL	72.00 F	13.87 TN	\$998.64	\$0.00	\$998.64
10/31/2024 I 01	1027239	TB11816X	104 SANTA		SW-CONT W/FUEL	72.00 F	16.91 TN	\$1,217.52	\$0.00	\$1,217.52

Tickets Reported:	5	Items Reported:	5	Customer Totals:	\$5,003.28	\$0.00	\$5,003.28
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Material Summary		Weight		Volume		Count		Billing Quantity	Material Total	Tax Total	Total
		Inbound	Outbound	Inbound	Outbound	Inbound	Outbound				
VH - SW-CONT W/FUEL		69.49	0.00 TN	0.00	0.00 YD	0.00	0.00	69.49 TN	\$5,003.28	\$0.00	\$5,003.28

Tickets Reported:	5	Items Reported:	5	Cash Totals:			
				Invoice Totals:	\$5,003.28	\$0.00	\$5,003.28
				Report Totals:	\$5,003.28	\$0.00	\$5,003.28



Appendix E Lab Reports



14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

August 5, 2024

August Welch
CDM Smith, Inc.
14432 SE Eastgate Way, Suite 100
Bellevue, WA 98007-6493

Re: Analytical Data for Project 295062
Laboratory Reference No. 2408-007

Dear August:

Enclosed are the analytical results and associated quality control data for samples submitted on August 1, 2024.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

A handwritten signature in black ink, appearing to read "DeB" followed by a stylized flourish.

David Baumeister
Project Manager

Enclosures



OnSite Environmental, Inc. 14648 NE 95th Street, Redmond, WA 98052 (425) 883-3881

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 5, 2024
Samples Submitted: August 1, 2024
Laboratory Reference: 2408-007
Project: 295062

Case Narrative

Samples were collected on August 1, 2024 and received by the laboratory on August 1, 2024. They were maintained at the laboratory at a temperature of 2°C to 6°C.

Please note that any and all soil sample results are reported on a dry-weight basis, unless otherwise noted below. However the soil results for the QA/QC samples are reported on a wet-weight basis.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.



Date of Report: August 5, 2024
 Samples Submitted: August 1, 2024
 Laboratory Reference: 2408-007
 Project: 295062

**GASOLINE RANGE ORGANICS/BTEX
 NWTPH-Gx/EPA 8021B**

Matrix: Soil
 Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID: Screen3-s-080124						
Laboratory ID:	08-007-01					
Benzene	ND	0.020	EPA 8021B	8-1-24	8-1-24	
Toluene	ND	0.057	EPA 8021B	8-1-24	8-1-24	
Ethylbenzene	ND	0.057	EPA 8021B	8-1-24	8-1-24	
m,p-Xylene	ND	0.057	EPA 8021B	8-1-24	8-1-24	
o-Xylene	ND	0.057	EPA 8021B	8-1-24	8-1-24	
Gasoline	ND	22	NWTPH-Gx	8-1-24	8-1-24	U1
Surrogate:	Percent Recovery	Control Limits				
Fluorobenzene	101	62-134				

Client ID: Screen4-s-080124						
Laboratory ID:	08-007-02					
Benzene	ND	0.020	EPA 8021B	8-1-24	8-1-24	
Toluene	ND	0.074	EPA 8021B	8-1-24	8-1-24	
Ethylbenzene	ND	0.074	EPA 8021B	8-1-24	8-1-24	
m,p-Xylene	ND	0.074	EPA 8021B	8-1-24	8-1-24	
o-Xylene	ND	0.074	EPA 8021B	8-1-24	8-1-24	
Gasoline	ND	59	NWTPH-Gx	8-1-24	8-1-24	U1
Surrogate:	Percent Recovery	Control Limits				
Fluorobenzene	109	62-134				

Client ID: Screen9-s-080124						
Laboratory ID:	08-007-03					
Benzene	ND	0.020	EPA 8021B	8-1-24	8-1-24	
Toluene	ND	0.066	EPA 8021B	8-1-24	8-1-24	
Ethylbenzene	ND	0.066	EPA 8021B	8-1-24	8-1-24	
m,p-Xylene	ND	0.066	EPA 8021B	8-1-24	8-1-24	
o-Xylene	ND	0.066	EPA 8021B	8-1-24	8-1-24	
Gasoline	ND	6.6	NWTPH-Gx	8-1-24	8-1-24	
Surrogate:	Percent Recovery	Control Limits				
Fluorobenzene	116	62-134				



Date of Report: August 5, 2024
 Samples Submitted: August 1, 2024
 Laboratory Reference: 2408-007
 Project: 295062

**GASOLINE RANGE ORGANICS/BTEX
 NWTPH-Gx/EPA 8021B
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0801S1					
Benzene	ND	0.020	EPA 8021B	8-1-24	8-1-24	
Toluene	ND	0.050	EPA 8021B	8-1-24	8-1-24	
Ethylbenzene	ND	0.050	EPA 8021B	8-1-24	8-1-24	
m,p-Xylene	ND	0.050	EPA 8021B	8-1-24	8-1-24	
o-Xylene	ND	0.050	EPA 8021B	8-1-24	8-1-24	
Gasoline	ND	5.0	NWTPH-Gx	8-1-24	8-1-24	
Surrogate:	Percent Recovery	Control Limits				
Fluorobenzene	86	62-134				

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	07-074-01							
	ORIG	DUP						
Benzene	ND	ND	NA	NA	NA	NA	30	
Toluene	ND	ND	NA	NA	NA	NA	30	
Ethylbenzene	ND	ND	NA	NA	NA	NA	30	
m,p-Xylene	ND	ND	NA	NA	NA	NA	30	
o-Xylene	ND	ND	NA	NA	NA	NA	30	
Gasoline	ND	ND	NA	NA	NA	NA	30	
Surrogate:								
Fluorobenzene				101	99	62-134		

SPIKE BLANKS

Laboratory ID:	SB0801S1								
	SB	SBD	SB	SBD	SB	SBD			
Benzene	1.07	0.987	1.00	1.00	107	99	72-119	8	10
Toluene	1.03	0.950	1.00	1.00	103	95	75-122	8	10
Ethylbenzene	1.04	0.959	1.00	1.00	104	96	75-121	8	10
m,p-Xylene	1.03	0.955	1.00	1.00	103	96	76-122	8	11
o-Xylene	1.03	0.963	1.00	1.00	103	96	77-122	7	11
Surrogate:									
Fluorobenzene					96	89	62-134		



Date of Report: August 5, 2024
 Samples Submitted: August 1, 2024
 Laboratory Reference: 2408-007
 Project: 295062

**DIESEL AND HEAVY OIL RANGE ORGANICS
 NWTPH-Dx**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	Screen3-s-080124					
Laboratory ID:	08-007-01					
Diesel Fuel #2	520	29	NWTPH-Dx	8-1-24	8-1-24	
Lube Oil Range Organics	ND	59	NWTPH-Dx	8-1-24	8-1-24	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	93	50-150				

Client ID:	Screen4-s-080124					
Laboratory ID:	08-007-02					
Diesel Fuel #2	150	32	NWTPH-Dx	8-1-24	8-1-24	
Lube Oil Range Organics	ND	65	NWTPH-Dx	8-1-24	8-1-24	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	63	50-150				

Client ID:	Screen9-s-080124					
Laboratory ID:	08-007-03					
Diesel Range Organics	ND	32	NWTPH-Dx	8-1-24	8-1-24	
Lube Oil Range Organics	ND	63	NWTPH-Dx	8-1-24	8-1-24	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	82	50-150				



Date of Report: August 5, 2024
 Samples Submitted: August 1, 2024
 Laboratory Reference: 2408-007
 Project: 295062

**DIESEL AND HEAVY OIL RANGE ORGANICS
 NWTPH-Dx
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0801S1					
Diesel Range Organics	ND	25	NWTPH-Dx	8-1-24	8-1-24	
Lube Oil Range Organics	ND	50	NWTPH-Dx	8-1-24	8-1-24	
Surrogate:	Percent Recovery	Control Limits				
o-Terphenyl	76	50-150				

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	07-297-01							
	ORIG	DUP						
Diesel Range	ND	ND	NA	NA	NA	NA	NA	40
Lube Oil Range	ND	ND	NA	NA	NA	NA	NA	40
Surrogate:								
o-Terphenyl				73	71	50-150		



Date of Report: August 5, 2024
 Samples Submitted: August 1, 2024
 Laboratory Reference: 2408-007
 Project: 295062

**TOTAL METALS
 EPA 6010D/7471B**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID: Screen3-s-080124						
Laboratory ID: 08-007-01						
Arsenic	ND	12	EPA 6010D	8-2-24	8-2-24	
Barium	88	2.9	EPA 6010D	8-2-24	8-2-24	
Cadmium	ND	0.59	EPA 6010D	8-2-24	8-2-24	
Chromium	35	0.59	EPA 6010D	8-2-24	8-2-24	
Copper	14	1.2	EPA 6010D	8-2-24	8-2-24	
Lead	10	5.9	EPA 6010D	8-2-24	8-2-24	
Mercury	ND	0.29	EPA 7471B	8-2-24	8-2-24	
Nickel	28	2.9	EPA 6010D	8-2-24	8-2-24	
Selenium	ND	12	EPA 6010D	8-2-24	8-2-24	
Silver	ND	1.2	EPA 6010D	8-2-24	8-2-24	
Zinc	47	2.9	EPA 6010D	8-2-24	8-2-24	

Client ID: Screen4-s-080124						
Laboratory ID: 08-007-02						
Arsenic	ND	13	EPA 6010D	8-2-24	8-5-24	
Barium	91	3.2	EPA 6010D	8-2-24	8-5-24	
Cadmium	ND	0.65	EPA 6010D	8-2-24	8-5-24	
Chromium	36	0.65	EPA 6010D	8-2-24	8-5-24	
Copper	16	1.3	EPA 6010D	8-2-24	8-5-24	
Lead	25	6.5	EPA 6010D	8-2-24	8-5-24	
Mercury	ND	0.32	EPA 7471B	8-2-24	8-2-24	
Nickel	31	3.2	EPA 6010D	8-2-24	8-5-24	
Selenium	ND	13	EPA 6010D	8-2-24	8-5-24	
Silver	ND	1.3	EPA 6010D	8-2-24	8-5-24	
Zinc	56	3.2	EPA 6010D	8-2-24	8-5-24	



Date of Report: August 5, 2024
 Samples Submitted: August 1, 2024
 Laboratory Reference: 2408-007
 Project: 295062

**TOTAL METALS
 EPA 6010D/7471B**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID: Screen9-s-080124						
Laboratory ID: 08-007-03						
Arsenic	ND	13	EPA 6010D	8-2-24	8-5-24	
Barium	120	3.2	EPA 6010D	8-2-24	8-5-24	
Cadmium	ND	0.63	EPA 6010D	8-2-24	8-5-24	
Chromium	46	0.63	EPA 6010D	8-2-24	8-5-24	
Copper	25	1.3	EPA 6010D	8-2-24	8-5-24	
Lead	6.6	6.3	EPA 6010D	8-2-24	8-5-24	
Mercury	ND	0.32	EPA 7471B	8-2-24	8-2-24	
Nickel	55	3.2	EPA 6010D	8-2-24	8-5-24	
Selenium	ND	13	EPA 6010D	8-2-24	8-5-24	
Silver	ND	1.3	EPA 6010D	8-2-24	8-5-24	
Zinc	46	3.2	EPA 6010D	8-2-24	8-5-24	



Date of Report: August 5, 2024
 Samples Submitted: August 1, 2024
 Laboratory Reference: 2408-007
 Project: 295062

**TOTAL METALS
 EPA 6010D/7471B
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0802SM1					
Arsenic	ND	10	EPA 6010D	8-2-24	8-2-24	
Barium	ND	2.5	EPA 6010D	8-2-24	8-2-24	
Cadmium	ND	0.50	EPA 6010D	8-2-24	8-2-24	
Chromium	ND	0.50	EPA 6010D	8-2-24	8-2-24	
Copper	ND	1.0	EPA 6010D	8-2-24	8-2-24	
Lead	ND	5.0	EPA 6010D	8-2-24	8-2-24	
Nickel	ND	2.5	EPA 6010D	8-2-24	8-2-24	
Selenium	ND	10	EPA 6010D	8-2-24	8-2-24	
Silver	ND	1.0	EPA 6010D	8-2-24	8-2-24	
Zinc	ND	2.5	EPA 6010D	8-2-24	8-2-24	
<hr/>						
Laboratory ID:	MB0802S1					
Mercury	ND	0.25	EPA 7471B	8-2-24	8-2-24	



Date of Report: August 5, 2024
 Samples Submitted: August 1, 2024
 Laboratory Reference: 2408-007
 Project: 295062

**TOTAL METALS
 EPA 6010D/7471B
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	08-007-01							
	ORIG	DUP						
Arsenic	ND	ND	NA	NA	NA	NA	NA	20
Barium	75.5	75.8	NA	NA	NA	NA	0	20
Cadmium	ND	ND	NA	NA	NA	NA	NA	20
Chromium	30.1	32.4	NA	NA	NA	NA	7	20
Copper	12.2	13.6	NA	NA	NA	NA	11	20
Lead	8.56	9.52	NA	NA	NA	NA	11	20
Nickel	23.8	26.3	NA	NA	NA	NA	10	20
Selenium	ND	ND	NA	NA	NA	NA	NA	20
Silver	ND	ND	NA	NA	NA	NA	NA	20
Zinc	40.3	41.9	NA	NA	NA	NA	4	20

Laboratory ID:	08-010-01							
Mercury	ND	ND	NA	NA	NA	NA	NA	20

MATRIX SPIKES

Laboratory ID:	08-007-01									
	MS	MSD	MS	MSD		MS	MSD			
Arsenic	91.2	90.5	100	100	ND	91	91	75-125	1	20
Barium	174	173	100	100	75.5	99	98	75-125	1	20
Cadmium	44.6	44.4	50.0	50.0	ND	89	89	75-125	0	20
Chromium	122	124	100	100	30.1	92	94	75-125	1	20
Copper	60.7	60.8	50.0	50.0	12.2	97	97	75-125	0	20
Lead	258	257	250	250	8.56	100	99	75-125	1	20
Nickel	120	121	100	100	23.8	96	97	75-125	1	20
Selenium	84.8	86.7	100	100	ND	85	87	75-125	2	20
Silver	21.9	21.6	25.0	25.0	ND	88	86	75-125	1	20
Zinc	132	134	100	100	40.3	92	94	75-125	1	20

Laboratory ID:	08-010-01									
Mercury	0.526	0.514	0.500	0.500	0.0256	100	98	80-120	2	20



OnSite Environmental, Inc. 14648 NE 95th Street, Redmond, WA 98052 (425) 883-3881

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 5, 2024
Samples Submitted: August 1, 2024
Laboratory Reference: 2408-007
Project: 295062

% MOISTURE

Client ID	Lab ID	% Moisture	Date Analyzed
Screen3-s-080124	08-007-01	15	8-1-24
Screen4-s-080124	08-007-02	23	8-1-24
Screen9-s-080124	08-007-03	21	8-1-24





Data Qualifiers and Abbreviations

- A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.
- B - The analyte indicated was also found in the blank sample.
- C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.
- E - The value reported exceeds the quantitation range and is an estimate.
- F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.
- H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.
- I - Compound recovery is outside of the control limits.
- J - The value reported was below the practical quantitation limit. The value is an estimate.
- K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.
- L - The RPD is outside of the control limits.
- M - Hydrocarbons in the gasoline range are impacting the diesel range result.
- M1 - Hydrocarbons in the gasoline range (toluene-naphthalene) are present in the sample.
- N - Hydrocarbons in the lube oil range are impacting the diesel range result.
- N1 - Hydrocarbons in diesel range are impacting lube oil range results.
- O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.
- P - The RPD of the detected concentrations between the two columns is greater than 40.
- Q - Surrogate recovery is outside of the control limits.
- S - Surrogate recovery data is not available due to the necessary dilution of the sample.
- T - The sample chromatogram is not similar to a typical _____.
- U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
- U1 - The practical quantitation limit is elevated due to interferences present in the sample.
- V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.
- W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.
- X - Sample extract treated with a mercury cleanup procedure.
- X1 - Sample extract treated with a sulfuric acid/silica gel cleanup procedure.
- X2 - Sample extract treated with a silica gel cleanup procedure.
- Y - The calibration verification for this analyte exceeded the 20% drift specified in methods 8260 & 8270, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.
- Y1 - Negative effects of the matrix from this sample on the instrument caused values for this analyte in the bracketing continuing calibration verification standard (CCVs) to be outside of 20% acceptance criteria. Because of this, quantitation limits and sample concentrations should be considered estimates.
- Z -
- ND - Not Detected at PQL
- PQL - Practical Quantitation Limit
- RPD - Relative Percent Difference





Onsite Environmental Inc.
Analytical Laboratory Testing Services
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Chain of Custody

Turnaround Request
(in working days)

(Check One)

☐ Same Day ☐ 1 Day

☐ 2 Days ☐ 3 Days

☐ Standard (7 Days) * 24/5 hours for TPH+BTEX

☒ 24/5 hours for TPH+BTEX
48 hours for MTCA 5

(other)

Laboratory Number: 08-007

Company: CDM Smith
Project Number: Xinghua
Project Name: 295062
Project Manager: August Weiden
Sampled by: Evelyn Lundeen

Lab ID Sample Identification

Date Sampled Time Sampled Matrix

Number of Containers

NWTPH-HCID

NWTPH-Gx/BTEX (8021 ☒ 8260 ☐)

NWTPH-Gx

NWTPH-Dx (SG Clean-up ☐)

Volatiles 8260

Halogenated Volatiles 8260

EDB EPA 8011 (Waters Only)

Semivolatiles 8270/SIM
(with low-level PAHs)
PAHs 8270/SIM (low-level)

PCBs 8082

Organochlorine Pesticides 8081

Organophosphorus Pesticides 8270/SIM

Chlorinated Acid Herbicides 8151

Total RCRA Metals + Cu, Ni, Zn

Total MTCA Metals

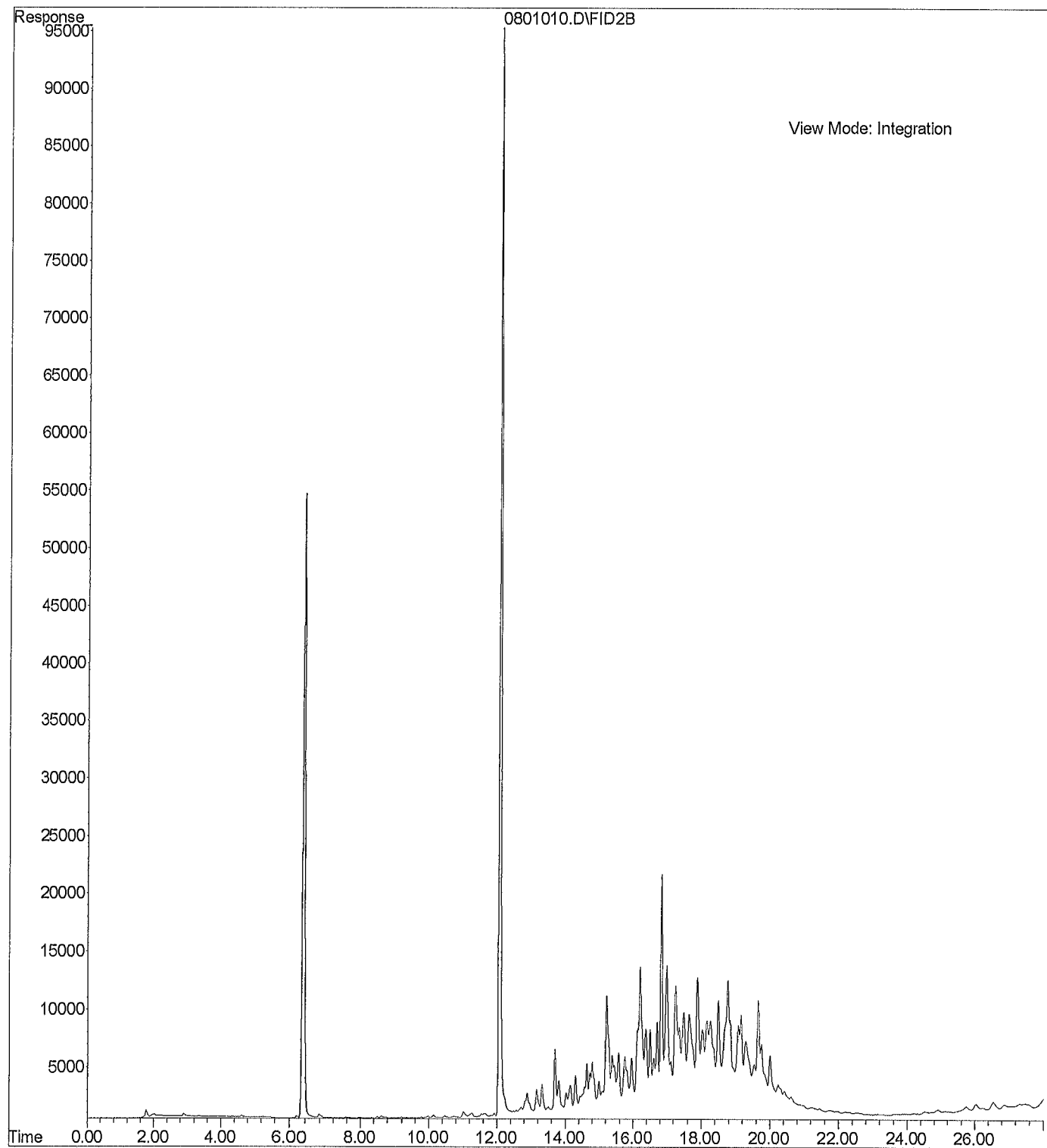
TCLP Metals

HEM (oil and grease) 1664

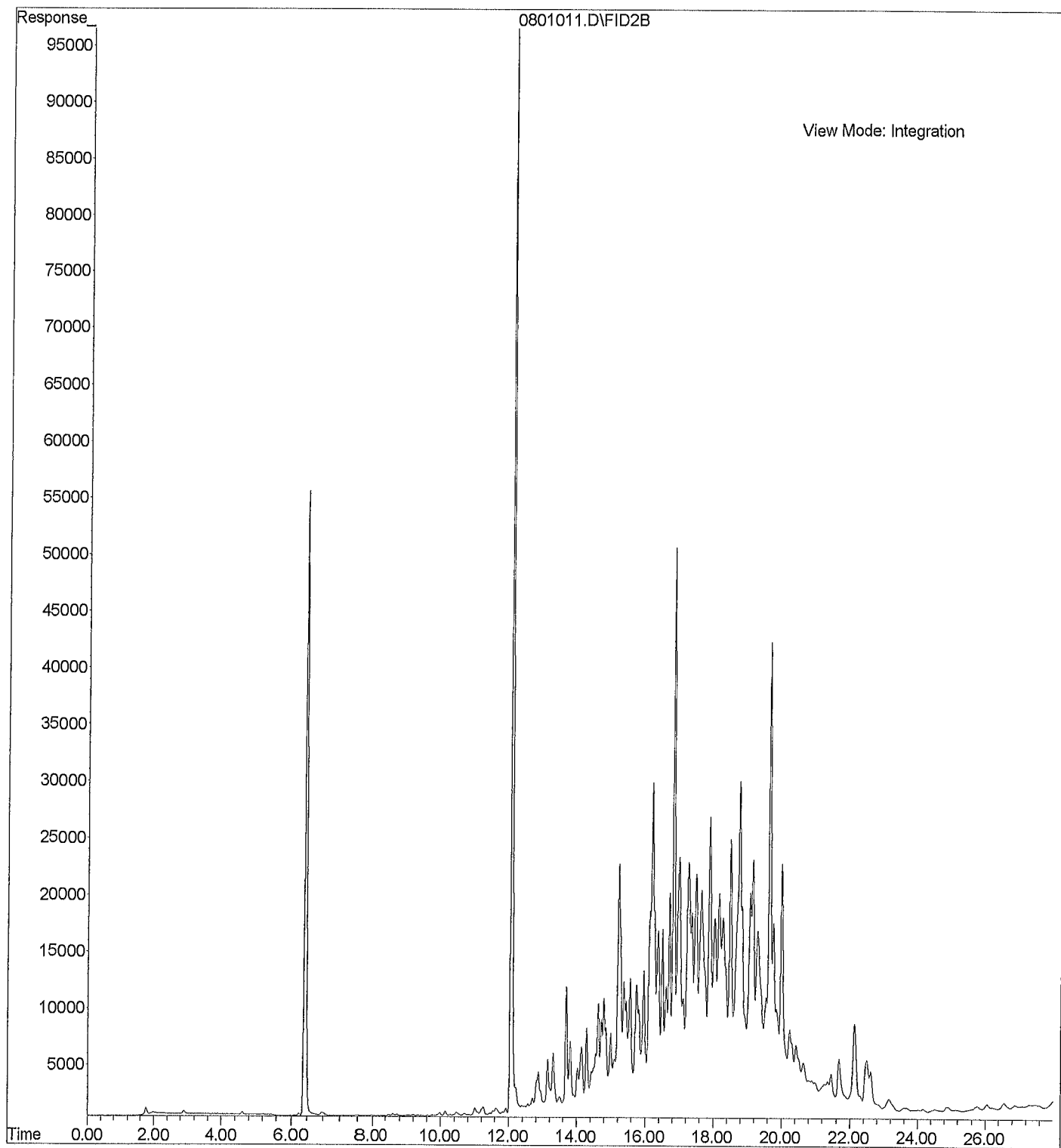
% Moisture

Signature	Company	Date	Time	Comments/Special Instructions
Relinquished	CDM Smith	08/01/24	1424	Please email results to Evelyn.Lundeen@cdmsmith.com and Nelsonbc@cdmsmith.com * 24 hour turn for TPH+BTEX 48 hour turn for Metals Data Package: Standard <input checked="" type="checkbox"/> Level III <input type="checkbox"/> Level IV <input type="checkbox"/> Chromatograms with final report <input type="checkbox"/> Electronic Data Deliverables (EDDs) <input type="checkbox"/>
Received	OSE	08/11/24	1424	
Relinquished				
Received				
Relinquished				
Received				
Relinquished				
Reviewed/Date	Reviewed/Date			

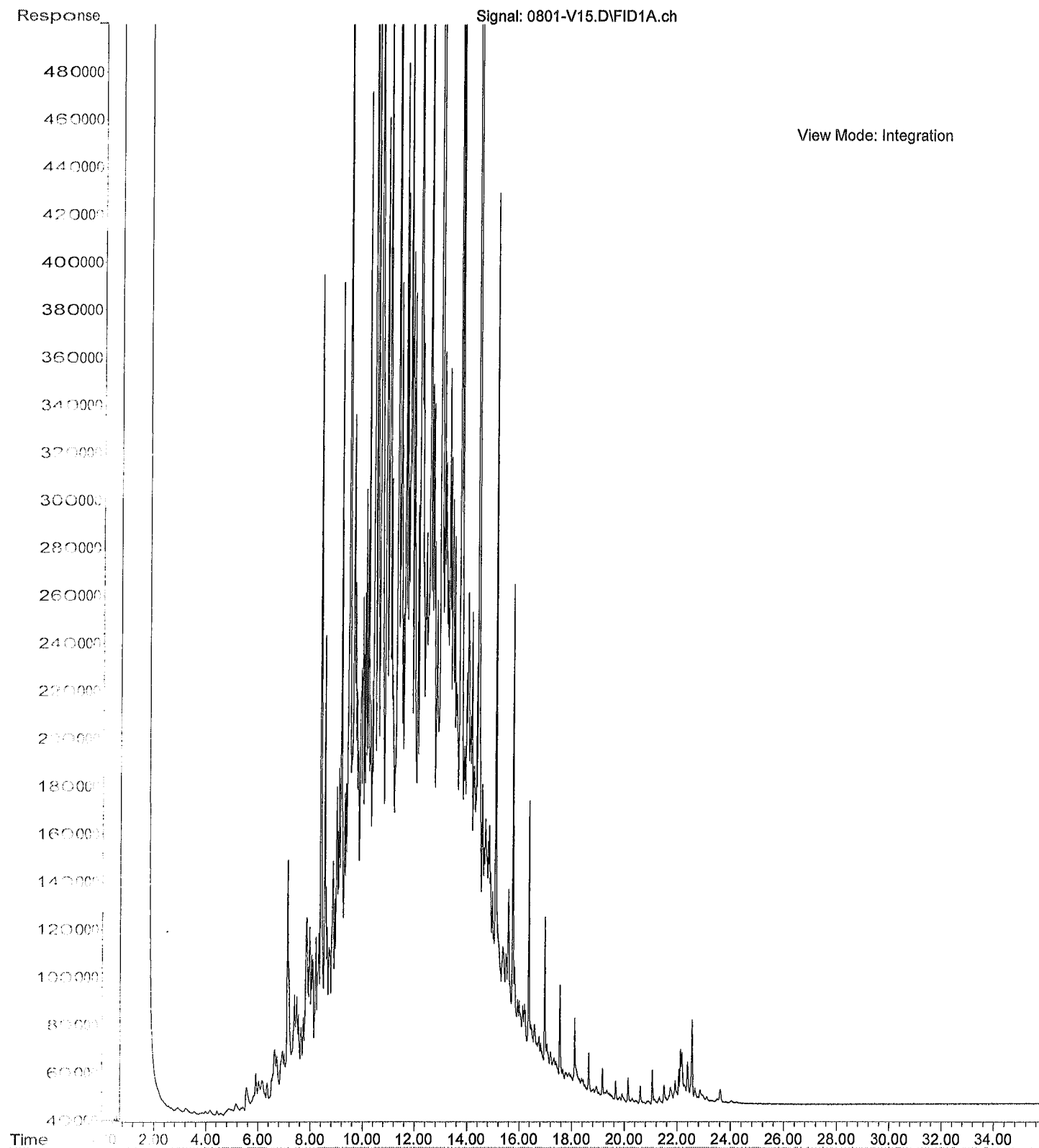
File : X:\BTEX\HOPE\DATA\H240801\0801010.D
Operator :
Acquired : 1 Aug 2024 16:24 using AcqMethod 240312B.M
Instrument : Hope
Sample Name: 08-007-01s
Misc Info :
Vial Number: 10



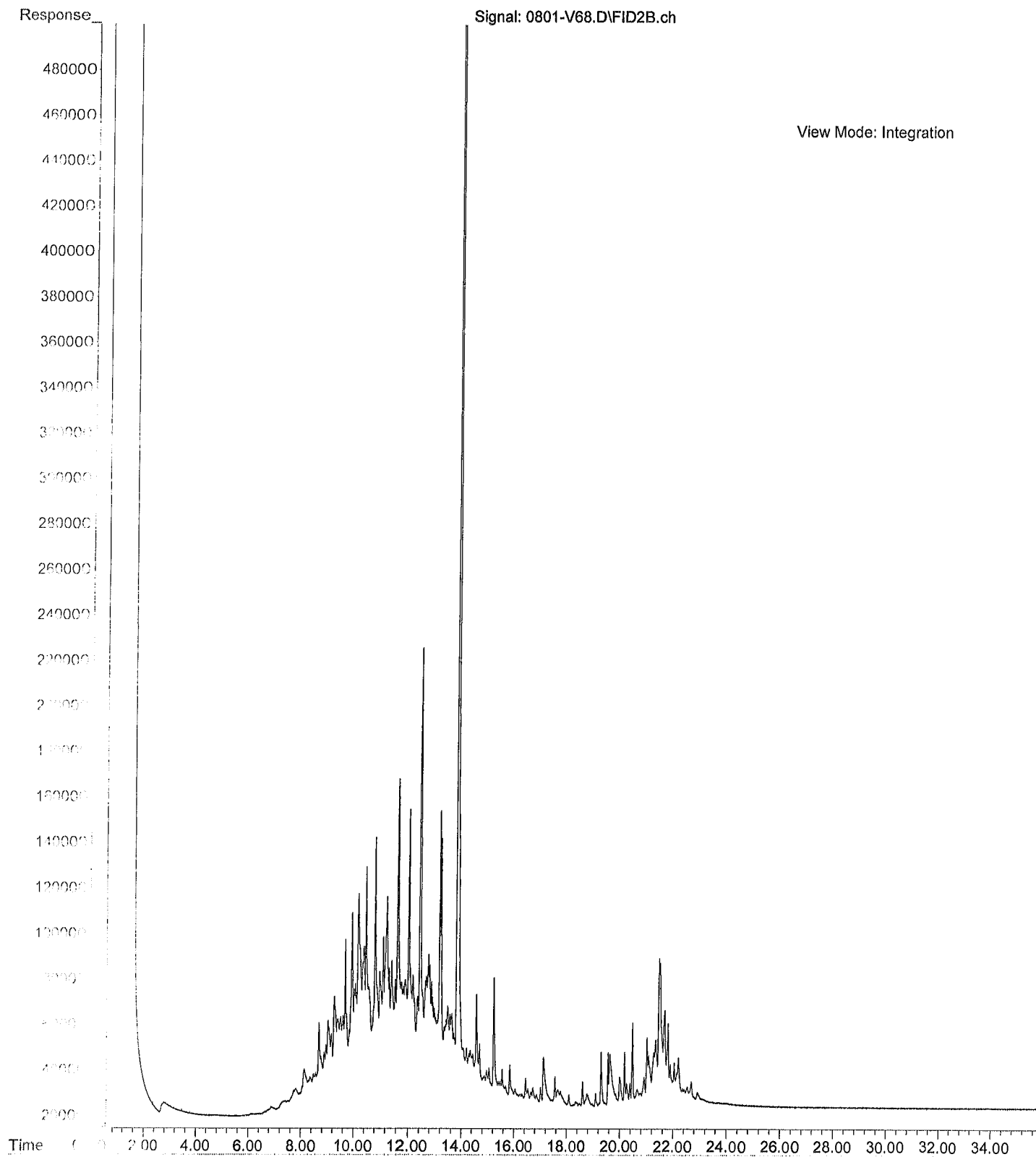
File : X:\BTEX\HOPE\DATA\H240801\0801011.D
Operator :
Acquired : 1 Aug 2024 16:54 using AcqMethod 240312B.M
Instrument : Hope
Sample Name: 08-007-02s
Misc Info :
Vial Number: 11



File :C:\msdchem\2\data\V240801\0801-V15.D
Operator : LW
Acquired : 1 Aug 2024 18:14 using AcqMethod V230830F.M
Instrument : Vigo
Sample Name: 08-007-01
Misc Info : Sample
Vial Number: 15



File : C:\msdchem\2\data\V240801.SEC\0801-V68.D
Operator : LW
Acquired : 1 Aug 2024 20:17 using AcqMethod V230830F.M
Instrument : Vigo
Sample Name: 08-007-02
Misc Info : RearSamp
Vial Number: 68





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August 9, 2024

August Welch
CDM Smith, Inc.
14432 SE Eastgate Way, Suite 100
Bellevue, WA 98007-6493

Re: Analytical Data for Project 295062
Laboratory Reference No. 2408-090

Dear August:

Enclosed are the analytical results and associated quality control data for samples submitted on August 8, 2024.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

A handwritten signature in black ink, appearing to read "DeB" followed by a stylized flourish.

David Baumeister
Project Manager

Enclosures



OnSite Environmental, Inc. 14648 NE 95th Street, Redmond, WA 98052 (425) 883-3881

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 9, 2024
Samples Submitted: August 8, 2024
Laboratory Reference: 2408-090
Project: 295062

Case Narrative

Samples were collected on August 8, 2024 and received by the laboratory on August 8, 2024. They were maintained at the laboratory at a temperature of 2°C to 6°C.

Please note that any and all soil sample results are reported on a dry-weight basis, unless otherwise noted below. However the soil results for the QA/QC samples are reported on a wet-weight basis.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

NWTPH-Dx Analysis

The duplicate RPD is outside of the control limits due to sample inhomogeneity. The higher value was reported.

Any other QA/QC issues associated with this extraction and analysis will be indicated with a footnote reference and discussed in detail on the Data Qualifier page.



Date of Report: August 9, 2024
 Samples Submitted: August 8, 2024
 Laboratory Reference: 2408-090
 Project: 295062

**DIESEL AND HEAVY OIL RANGE ORGANICS
 NWTPH-Dx**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	E1-1B-8					
Laboratory ID:	08-090-01					
Diesel Range Organics	ND	29	NWTPH-Dx	8-8-24	8-8-24	
Lube Oil Range Organics	ND	58	NWTPH-Dx	8-8-24	8-8-24	
Surrogate:	Percent Recovery	Control Limits				
<i>o</i> -Terphenyl	74	50-150				

Client ID:	E1-1ESW-4					
Laboratory ID:	08-090-02					
Diesel Range Organics	ND	29	NWTPH-Dx	8-8-24	8-8-24	
Lube Oil Range Organics	ND	57	NWTPH-Dx	8-8-24	8-8-24	
Surrogate:	Percent Recovery	Control Limits				
<i>o</i> -Terphenyl	81	50-150				

Client ID:	E1-2B-8					
Laboratory ID:	08-090-03					
Diesel Range Organics	ND	29	NWTPH-Dx	8-8-24	8-8-24	
Lube Oil Range Organics	ND	59	NWTPH-Dx	8-8-24	8-8-24	
Surrogate:	Percent Recovery	Control Limits				
<i>o</i> -Terphenyl	83	50-150				

Client ID:	E1-2ESW-4					
Laboratory ID:	08-090-04					
Diesel Range Organics	ND	29	NWTPH-Dx	8-8-24	8-8-24	
Lube Oil Range Organics	ND	58	NWTPH-Dx	8-8-24	8-8-24	
Surrogate:	Percent Recovery	Control Limits				
<i>o</i> -Terphenyl	70	50-150				

Client ID:	E1-1SSW-4					
Laboratory ID:	08-090-05					
Diesel Range Organics	ND	29	NWTPH-Dx	8-8-24	8-8-24	
Lube Oil Range Organics	ND	58	NWTPH-Dx	8-8-24	8-8-24	
Surrogate:	Percent Recovery	Control Limits				
<i>o</i> -Terphenyl	80	50-150				



Date of Report: August 9, 2024
 Samples Submitted: August 8, 2024
 Laboratory Reference: 2408-090
 Project: 295062

**DIESEL AND HEAVY OIL RANGE ORGANICS
 NWTPH-Dx
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0808S1					
Diesel Range Organics	ND	25	NWTPH-Dx	8-8-24	8-8-24	
Lube Oil Range Organics	ND	50	NWTPH-Dx	8-8-24	8-8-24	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	79	50-150				

Analyte	Result		Spike Level		Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE										
Laboratory ID:	08-084-02									
	ORIG	DUP								
Diesel Range	ND	ND	NA	NA		NA	NA	NA	40	
Lube Oil	561	247	NA	NA		NA	NA	78	40	L
Surrogate:										
o-Terphenyl						67	65	50-150		



Date of Report: August 9, 2024
Samples Submitted: August 8, 2024
Laboratory Reference: 2408-090
Project: 295062

% MOISTURE

Client ID	Lab ID	% Moisture	Date Analyzed
E1-1B-8	08-090-01	14	8-8-24
E1-1ESW-4	08-090-02	13	8-8-24
E1-2B-8	08-090-03	15	8-8-24
E1-2ESW-4	08-090-04	13	8-8-24
E1-1SSW-4	08-090-05	14	8-8-24





Data Qualifiers and Abbreviations

- A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.
- B - The analyte indicated was also found in the blank sample.
- C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.
- E - The value reported exceeds the quantitation range and is an estimate.
- F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.
- H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.
- I - Compound recovery is outside of the control limits.
- J - The value reported was below the practical quantitation limit. The value is an estimate.
- K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.
- L - The RPD is outside of the control limits.
- M - Hydrocarbons in the gasoline range are impacting the diesel range result.
- M1 - Hydrocarbons in the gasoline range (toluene-naphthalene) are present in the sample.
- N - Hydrocarbons in the lube oil range are impacting the diesel range result.
- N1 - Hydrocarbons in diesel range are impacting lube oil range results.
- O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.
- P - The RPD of the detected concentrations between the two columns is greater than 40.
- Q - Surrogate recovery is outside of the control limits.
- S - Surrogate recovery data is not available due to the necessary dilution of the sample.
- T - The sample chromatogram is not similar to a typical _____.
- U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
- U1 - The practical quantitation limit is elevated due to interferences present in the sample.
- V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.
- W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.
- X - Sample extract treated with a mercury cleanup procedure.
- X1 - Sample extract treated with a sulfuric acid/silica gel cleanup procedure.
- X2 - Sample extract treated with a silica gel cleanup procedure.
- Y - The calibration verification for this analyte exceeded the 20% drift specified in methods 8260 & 8270, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.
- Y1 - Negative effects of the matrix from this sample on the instrument caused values for this analyte in the bracketing continuing calibration verification standard (CCVs) to be outside of 20% acceptance criteria. Because of this, quantitation limits and sample concentrations should be considered estimates.
- Z -
- ND - Not Detected at PQL
- PQL - Practical Quantitation Limit
- RPD - Relative Percent Difference





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Chain of Custody

Page 1 of 1

[illegible]



14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

August 13, 2024

August Welch
CDM Smith, Inc.
14432 SE Eastgate Way, Suite 100
Bellevue, WA 98007-6493

Re: Analytical Data for Project 295862
Laboratory Reference No. 2408-131

Dear August:

Enclosed are the analytical results and associated quality control data for samples submitted on August 12, 2024.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

A handwritten signature in black ink, appearing to read "DeB" followed by a stylized flourish.

David Baumeister
Project Manager

Enclosures



OnSite Environmental, Inc. 14648 NE 95th Street, Redmond, WA 98052 (425) 883-3881

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 13, 2024
Samples Submitted: August 12, 2024
Laboratory Reference: 2408-131
Project: 295862

Case Narrative

Samples were collected on August 12, 2024 and received by the laboratory on August 12, 2024. They were maintained at the laboratory at a temperature of 2°C to 6°C.

Please note that any and all soil sample results are reported on a dry-weight basis, unless otherwise noted below. However the soil results for the QA/QC samples are reported on a wet-weight basis.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.



Date of Report: August 13, 2024
 Samples Submitted: August 12, 2024
 Laboratory Reference: 2408-131
 Project: 295862

**DIESEL AND HEAVY OIL RANGE ORGANICS
 NWTPH-Dx**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	E1-3B-6					
Laboratory ID:	08-131-01					
Diesel Range Organics	ND	30	NWTPH-Dx	8-13-24	8-13-24	
Lube Oil Range Organics	ND	60	NWTPH-Dx	8-13-24	8-13-24	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	76	50-150				

Client ID:	E1-4B-4					
Laboratory ID:	08-131-02					
Diesel Range Organics	ND	29	NWTPH-Dx	8-13-24	8-13-24	
Lube Oil Range Organics	ND	57	NWTPH-Dx	8-13-24	8-13-24	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	83	50-150				

Client ID:	E1-5WSW-4					
Laboratory ID:	08-131-03					
Diesel Range Organics	ND	30	NWTPH-Dx	8-13-24	8-13-24	
Lube Oil Range Organics	ND	60	NWTPH-Dx	8-13-24	8-13-24	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	79	50-150				



Date of Report: August 13, 2024
 Samples Submitted: August 12, 2024
 Laboratory Reference: 2408-131
 Project: 295862

**DIESEL AND HEAVY OIL RANGE ORGANICS
 NWTPH-Dx
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0813S1					
Diesel Range Organics	ND	25	NWTPH-Dx	8-13-24	8-13-24	
Lube Oil Range Organics	ND	50	NWTPH-Dx	8-13-24	8-13-24	
Surrogate:	Percent Recovery	Control Limits				
o-Terphenyl	85	50-150				

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	08-131-03							
	ORIG	DUP						
Diesel Range	ND	ND	NA	NA	NA	NA	40	
Lube Oil Range	ND	ND	NA	NA	NA	NA	40	
Surrogate:								
o-Terphenyl				79	74	50-150		



Date of Report: August 13, 2024
Samples Submitted: August 12, 2024
Laboratory Reference: 2408-131
Project: 295862

% MOISTURE

Client ID	Lab ID	% Moisture	Date Analyzed
E1-3B-6	08-131-01	16	8-12-24
E1-4B-4	08-131-02	13	8-12-24
E1-5WSW-4	08-131-03	17	8-12-24





Data Qualifiers and Abbreviations

- A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.
- B - The analyte indicated was also found in the blank sample.
- C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.
- E - The value reported exceeds the quantitation range and is an estimate.
- F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.
- H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.
- I - Compound recovery is outside of the control limits.
- J - The value reported was below the practical quantitation limit. The value is an estimate.
- K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.
- L - The RPD is outside of the control limits.
- M - Hydrocarbons in the gasoline range are impacting the diesel range result.
- M1 - Hydrocarbons in the gasoline range (toluene-naphthalene) are present in the sample.
- N - Hydrocarbons in the lube oil range are impacting the diesel range result.
- N1 - Hydrocarbons in diesel range are impacting lube oil range results.
- O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.
- P - The RPD of the detected concentrations between the two columns is greater than 40.
- Q - Surrogate recovery is outside of the control limits.
- S - Surrogate recovery data is not available due to the necessary dilution of the sample.
- T - The sample chromatogram is not similar to a typical _____.
- U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
- U1 - The practical quantitation limit is elevated due to interferences present in the sample.
- V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.
- W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.
- X - Sample extract treated with a mercury cleanup procedure.
- X1 - Sample extract treated with a sulfuric acid/silica gel cleanup procedure.
- X2 - Sample extract treated with a silica gel cleanup procedure.
- Y - The calibration verification for this analyte exceeded the 20% drift specified in methods 8260 & 8270, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.
- Y1 - Negative effects of the matrix from this sample on the instrument caused values for this analyte in the bracketing continuing calibration verification standard (CCVs) to be outside of 20% acceptance criteria. Because of this, quantitation limits and sample concentrations should be considered estimates.
- Z -
- ND - Not Detected at PQL
- PQL - Practical Quantitation Limit
- RPD - Relative Percent Difference





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Chain of Custody

Page 1 of 1

Turnaround Request (in working days)			Laboratory Number: 08-131			
(Check One)						
<input checked="" type="checkbox"/> Same Day	<input checked="" type="checkbox"/> 2 Days	<input type="checkbox"/> 3 Days				
<input type="checkbox"/> Standard (7 Days)						
<input type="checkbox"/> (other) _____						
Company:	CDM Smith	Signature	Company	Date	Time	Comments/Special Instructions
Project Number:	295862		CDM Smith	8/12/24	1624	Email data to nelsonbc@cdmsmith.com welch@cdmsmith.com lindencj@cdmsmith.com
Project Name:	Xinqhua		OSE	8/12/24	1624	
Project Manager:	August Welch					
Sampled by:	Freelyn Lunder					
Lab ID	EA-38	Sample Identification				
1	EA-3B-6	8/12/24 936	S	2		X
2	EA-4B-4	8/12/24 1000	S	2		X
3	EA-5WSW-4	8/12/24 1020	S	2		X
Number of Containers						
NWTPH-HCID						
NWTPH-Gx/BTEX (8021 <input type="checkbox"/> 8260 <input type="checkbox"/>)						
NWTPH-Gx						
NWTPH-Dx (SG Clean-up <input type="checkbox"/>)						
Volatiles 8260						
Halogenated Volatiles 8260						
EDB EPA 8011 (Waters Only)						
Semivolatiles 8270/SIM (with low-level PAHs)						
PAHs 8270/SIM (low-level)						
PCBs 8082						
Organochlorine Pesticides 8081						
Organophosphorus Pesticides 8270/SIM						
Chlorinated Acid Herbicides 8151						
Total RCRA Metals						
Total MTCA Metals						
TCPL Metals						
HEM (oil and grease) 1664						
% Moisture						

Reviewed/Date

Reviewed/Date

Chromatograms with final report ☒ Electronic Data Deliverables (EDDs) ☒

Data Package: Standard ☒ Level III ☐ Level IV ☐



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August 15, 2024

August Welch
CDM Smith, Inc.
14432 SE Eastgate Way, Suite 100
Bellevue, WA 98007-6493

Re: Analytical Data for Project 295062
Laboratory Reference No. 2408-175

Dear August:

Enclosed are the analytical results and associated quality control data for samples submitted on August 14, 2024.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

A handwritten signature in black ink, appearing to read "DeB" followed by a stylized flourish.

David Baumeister
Project Manager

Enclosures



OnSite Environmental, Inc. 14648 NE 95th Street, Redmond, WA 98052 (425) 883-3881

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 15, 2024
Samples Submitted: August 14, 2024
Laboratory Reference: 2408-175
Project: 295062

Case Narrative

Samples were collected on August 14, 2024 and received by the laboratory on August 14, 2024. They were maintained at the laboratory at a temperature of 2°C to 6°C.

Please note that any and all soil sample results are reported on a dry-weight basis, unless otherwise noted below. However the soil results for the QA/QC samples are reported on a wet-weight basis.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.



Date of Report: August 15, 2024
 Samples Submitted: August 14, 2024
 Laboratory Reference: 2408-175
 Project: 295062

**DIESEL AND HEAVY OIL RANGE ORGANICS
 NWTPH-Dx**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	E1-6B-6					
Laboratory ID:	08-175-01					
Diesel Range Organics	ND	29	NWTPH-Dx	8-15-24	8-15-24	
Lube Oil Range Organics	ND	46	NWTPH-Dx	8-15-24	8-15-24	
Surrogate:	Percent Recovery	Control Limits				
<i>o</i> -Terphenyl	74	50-150				

Client ID:	E1-7SWE-5.5					
Laboratory ID:	08-175-02					
Diesel Range Organics	ND	29	NWTPH-Dx	8-15-24	8-15-24	
Lube Oil Range Organics	ND	46	NWTPH-Dx	8-15-24	8-15-24	
Surrogate:	Percent Recovery	Control Limits				
<i>o</i> -Terphenyl	78	50-150				

Client ID:	E1-8B-6					
Laboratory ID:	08-175-03					
Diesel Range Organics	ND	29	NWTPH-Dx	8-15-24	8-15-24	
Lube Oil Range Organics	ND	46	NWTPH-Dx	8-15-24	8-15-24	
Surrogate:	Percent Recovery	Control Limits				
<i>o</i> -Terphenyl	51	50-150				

Client ID:	E1-9B-6					
Laboratory ID:	08-175-04					
Diesel Range Organics	ND	29	NWTPH-Dx	8-15-24	8-15-24	
Lube Oil Range Organics	ND	46	NWTPH-Dx	8-15-24	8-15-24	
Surrogate:	Percent Recovery	Control Limits				
<i>o</i> -Terphenyl	70	50-150				

Client ID:	E1-10SWE-5.5					
Laboratory ID:	08-175-05					
Diesel Range Organics	ND	29	NWTPH-Dx	8-15-24	8-15-24	
Lube Oil Range Organics	ND	46	NWTPH-Dx	8-15-24	8-15-24	
Surrogate:	Percent Recovery	Control Limits				
<i>o</i> -Terphenyl	64	50-150				

Client ID:	E1-11B-6					
Laboratory ID:	08-175-06					
Diesel Range Organics	ND	28	NWTPH-Dx	8-15-24	8-15-24	
Lube Oil Range Organics	ND	45	NWTPH-Dx	8-15-24	8-15-24	
Surrogate:	Percent Recovery	Control Limits				
<i>o</i> -Terphenyl	71	50-150				



Date of Report: August 15, 2024
 Samples Submitted: August 14, 2024
 Laboratory Reference: 2408-175
 Project: 295062

**DIESEL AND HEAVY OIL RANGE ORGANICS
 NWTPH-Dx**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	E1-12B-6					
Laboratory ID:	08-175-07					
Diesel Range Organics	ND	30	NWTPH-Dx	8-15-24	8-15-24	
Lube Oil Range Organics	ND	47	NWTPH-Dx	8-15-24	8-15-24	
Surrogate:	Percent Recovery	Control Limits				
<i>o</i> -Terphenyl	76	50-150				

Client ID:	E1-13B-6					
Laboratory ID:	08-175-08					
Diesel Range Organics	ND	31	NWTPH-Dx	8-15-24	8-15-24	
Lube Oil Range Organics	ND	49	NWTPH-Dx	8-15-24	8-15-24	
Surrogate:	Percent Recovery	Control Limits				
<i>o</i> -Terphenyl	64	50-150				

Client ID:	E1-14SWE-3.5					
Laboratory ID:	08-175-09					
Diesel Range Organics	ND	28	NWTPH-Dx	8-15-24	8-15-24	
Lube Oil Range Organics	ND	45	NWTPH-Dx	8-15-24	8-15-24	
Surrogate:	Percent Recovery	Control Limits				
<i>o</i> -Terphenyl	71	50-150				

Client ID:	E1-15SWE-5.5					
Laboratory ID:	08-175-10					
Diesel Range Organics	ND	29	NWTPH-Dx	8-15-24	8-15-24	
Lube Oil	66	47	NWTPH-Dx	8-15-24	8-15-24	
Surrogate:	Percent Recovery	Control Limits				
<i>o</i> -Terphenyl	65	50-150				

Client ID:	E1-16SWE-5					
Laboratory ID:	08-175-11					
Diesel Range Organics	ND	29	NWTPH-Dx	8-15-24	8-15-24	
Lube Oil	62	47	NWTPH-Dx	8-15-24	8-15-24	
Surrogate:	Percent Recovery	Control Limits				
<i>o</i> -Terphenyl	65	50-150				

Client ID:	E1-17B-6					
Laboratory ID:	08-175-12					
Diesel Range Organics	ND	28	NWTPH-Dx	8-15-24	8-15-24	
Lube Oil	71	45	NWTPH-Dx	8-15-24	8-15-24	
Surrogate:	Percent Recovery	Control Limits				
<i>o</i> -Terphenyl	74	50-150				



OnSite Environmental, Inc. 14648 NE 95th Street, Redmond, WA 98052 (425) 883-3881

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 15, 2024
 Samples Submitted: August 14, 2024
 Laboratory Reference: 2408-175
 Project: 295062

**DIESEL AND HEAVY OIL RANGE ORGANICS
 NWTPH-Dx
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0815S1					
Diesel Range Organics	ND	25	NWTPH-Dx	8-15-24	8-15-24	
Lube Oil Range Organics	ND	40	NWTPH-Dx	8-15-24	8-15-24	
Surrogate:	Percent Recovery	Control Limits				
o-Terphenyl	72	50-150				

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	08-175-04							
	ORIG	DUP						
Diesel Range	ND	ND	NA	NA	NA	NA	NA	40
Lube Oil Range	ND	ND	NA	NA	NA	NA	NA	40
Surrogate:								
o-Terphenyl				70	69	50-150		
Laboratory ID:	08-175-11							
	ORIG	DUP						
Diesel Range	ND	ND	NA	NA	NA	NA	NA	40
Lube Oil	53.4	44.8	NA	NA	NA	NA	18	40
Surrogate:								
o-Terphenyl				65	59	50-150		



Date of Report: August 15, 2024
 Samples Submitted: August 14, 2024
 Laboratory Reference: 2408-175
 Project: 295062

% MOISTURE

Client ID	Lab ID	% Moisture	Date Analyzed
E1-6B-6	08-175-01	13	8-14-24
E1-7SWE-5.5	08-175-02	13	8-14-24
E1-8B-6	08-175-03	14	8-14-24
E1-9B-6	08-175-04	13	8-14-24
E1-10SWE-5.5	08-175-05	14	8-14-24
E1-11B-6	08-175-06	11	8-14-24
E1-12B-6	08-175-07	16	8-14-24
E1-13B-6	08-175-08	18	8-14-24
E1-14SWE-3.5	08-175-09	11	8-14-24
E1-15SWE-5.5	08-175-10	14	8-14-24
E1-16SWE-5	08-175-11	14	8-14-24
E1-17B-6	08-175-12	12	8-14-24





Data Qualifiers and Abbreviations

- A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.
- B - The analyte indicated was also found in the blank sample.
- C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.
- E - The value reported exceeds the quantitation range and is an estimate.
- F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.
- H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.
- I - Compound recovery is outside of the control limits.
- J - The value reported was below the practical quantitation limit. The value is an estimate.
- K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.
- L - The RPD is outside of the control limits.
- M - Hydrocarbons in the gasoline range are impacting the diesel range result.
- M1 - Hydrocarbons in the gasoline range (toluene-naphthalene) are present in the sample.
- N - Hydrocarbons in the lube oil range are impacting the diesel range result.
- N1 - Hydrocarbons in diesel range are impacting lube oil range results.
- O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.
- P - The RPD of the detected concentrations between the two columns is greater than 40.
- Q - Surrogate recovery is outside of the control limits.
- S - Surrogate recovery data is not available due to the necessary dilution of the sample.
- T - The sample chromatogram is not similar to a typical _____.
- U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
- U1 - The practical quantitation limit is elevated due to interferences present in the sample.
- V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.
- W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.
- X - Sample extract treated with a mercury cleanup procedure.
- X1 - Sample extract treated with a sulfuric acid/silica gel cleanup procedure.
- X2 - Sample extract treated with a silica gel cleanup procedure.
- Y - The calibration verification for this analyte exceeded the 20% drift specified in methods 8260 & 8270, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.
- Y1 - Negative effects of the matrix from this sample on the instrument caused values for this analyte in the bracketing continuing calibration verification standard (CCVs) to be outside of 20% acceptance criteria. Because of this, quantitation limits and sample concentrations should be considered estimates.
- Z -
- ND - Not Detected at PQL
- PQL - Practical Quantitation Limit
- RPD - Relative Percent Difference





Chain of Custody

Analytical Laboratory Testing Services
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Phone: (425) 883-3881 • www.onsite-env.com

Company: <u>CDM Smith</u>		(Check One)																	
Project Number: <u>295062</u>	<input type="checkbox"/> Same Day	<input checked="" type="checkbox"/> 1 Day																	
Project Name: <u>Mercer Island</u>	<input type="checkbox"/> 2 Days	<input type="checkbox"/> 3 Days																	
Project Manager: <u>A. Welch</u>	<input type="checkbox"/> Standard (7 Days)																		
Sampled by: <u>M. Simon</u>	<input type="checkbox"/> _____ (other)																		
Lab ID	Sample Identification	Time Date Sampled	Date Time Sampled	Matrix	Number of Containers	NWTPH-HCID													
1	E1-6B-6	0900	8/14	SO	1	NWTPH-Gx/BTEX (8021 <input type="checkbox"/> 8260 <input type="checkbox"/>)													
2	E1-7SWE-5.5	0905				NWTPH-Gx													
3	E1-8B-6	0910				NWTPH-Dx (SG Clean-up <input type="checkbox"/>)													
4	E1-9B-6	0915				Volatiles 8260													
5	E1-10SWE-5.5	0920				Halogenated Volatiles 8260													
6	E1-11B-6	1130				EDB EPA 8011 (Waters Only)													
7	E1-12B-6	1135				Semivolatiles 8270/SIM (with low-level PAHs)													
8	E1-13B-6	1140				PAHs 8270/SIM (low-level)													
9	E1-14SWE-3.5	1145				PCBs 8082													
10	E1-15SWE-5.5	1150				Organochlorine Pesticides 8081													
						Organophosphorus Pesticides 8270/SIM													
						Chlorinated Acid Herbicides 8151													
						Total RCRA Metals													
						Total MTCA Metals													
						TCLP Metals													
						HEM (oil and grease) 1664													
						% Moisture													
Relinquished		Signature		Company		Date		Time		Comments/Special Instructions									
Received		<u>[Signature]</u>		CDM Smith		8/14		1540											
Relinquished				CME		8/14/24		1500											
Received																			
Relinquished																			
Received																			
Relinquished																			
Reviewed/Date				Reviewed/Date						Data Package: Standard <input type="checkbox"/> Level III <input type="checkbox"/> Level IV <input type="checkbox"/>									
										Chromatograms with final report <input type="checkbox"/> Electronic Data Deliverables (EDDs) <input type="checkbox"/>									



Chain of Custody

Analytical Laboratory Testing Services
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Company: _____

Number: epn smifh

Project Number: 295062

Project Name: Mercer Island

Project Manager: A. Welch

Sampled by: M-Simon

Lab ID	Sample Identification
--------	-----------------------

11	E1-1654E-5
12	E1-1713-6

8114	1155	50
8114	1200	50

[illegible]

		NWTPH-HCID
		NWTPH-Gx/BTEX (8021 <input type="checkbox"/> 8260 <input type="checkbox"/>)
		NWTPH-Gx
X	X	NWTPH-Dx (SG Clean-up <input type="checkbox"/>)
		Volatiles 8260
		Halogenated Volatiles 8260
		EDB EPA 8011 (Waters Only)
		Semivolatiles 8270/SIM (with low-level PAHs)
		PAHs 8270/SIM (low-level)
		PCBs 8082
		Organochlorine Pesticides 8081
		Organophosphorus Pesticides 8270
		Chlorinated Acid Herbicides 8151
		Total RCRA Metals
		Total MTCA Metals
		TCLP Metals
		HEM (oil and grease) 1664

% Moisture

Turnaround Request
(in working days)

(Check One)

☐ Same Day ☒ 1 Day

☐ 2 Days ☐ 3 Days

☐ Standard (7 Days)

(other)

Signature _____

Company

Date _____

Time

Comments/Special Instructions

Ed Smith

8/H	1540
-----	------

[Signature]

[Signature]

8/14/24 Sat

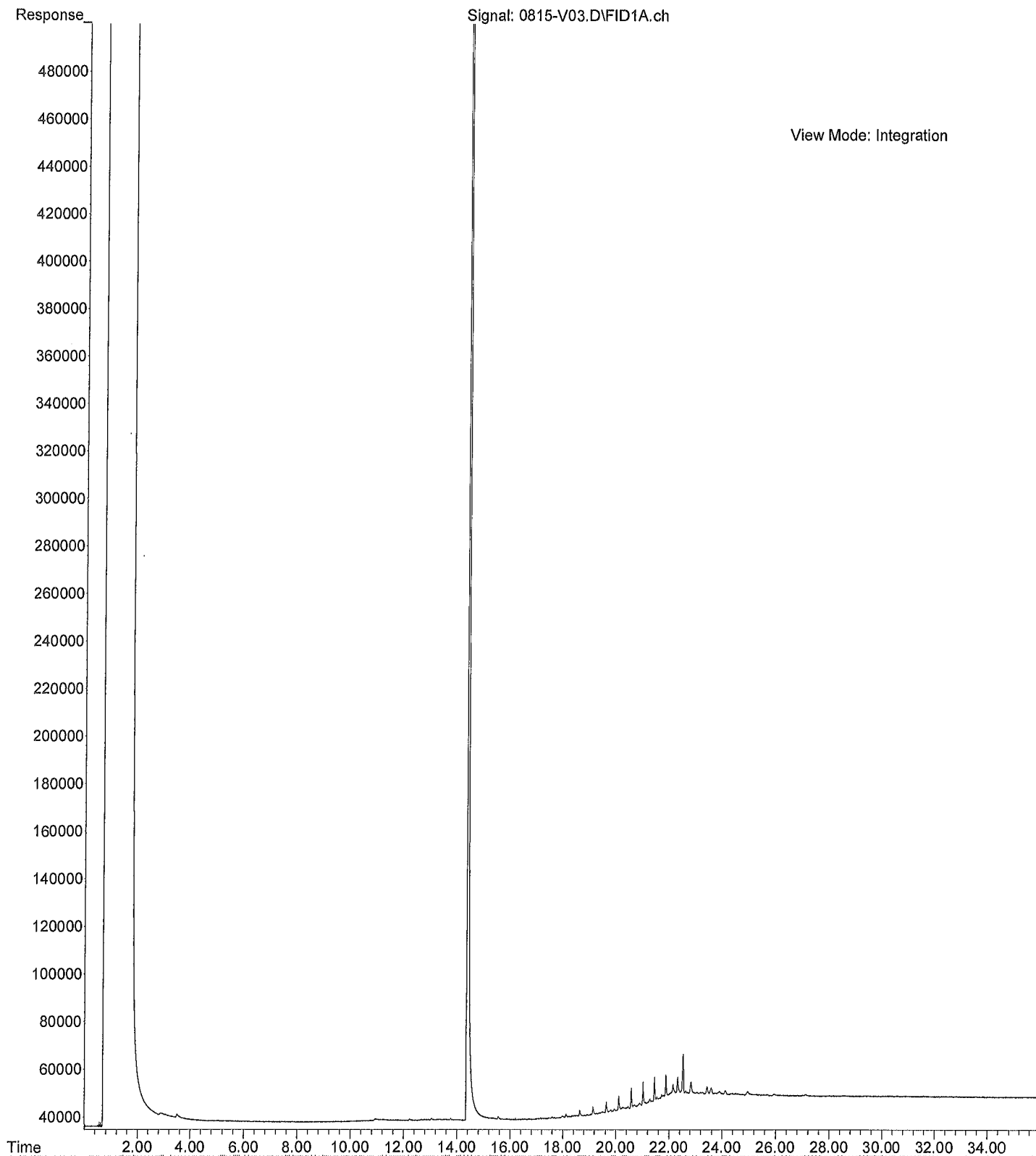
Reviewed/Date

Reviewed/Date

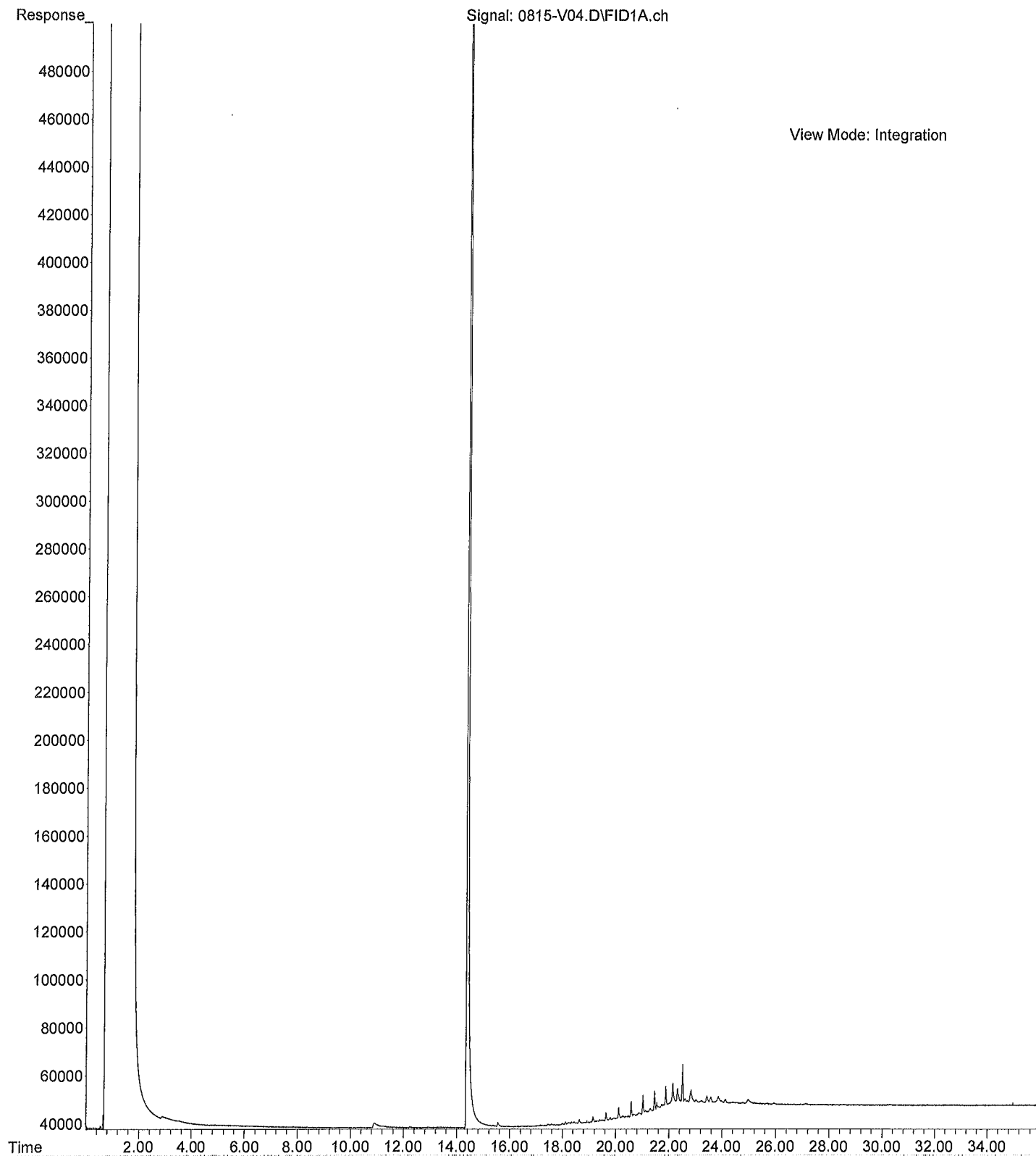
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Chromatograms with final report ☐ Electronic Data Deliverables (EDDs) ☐

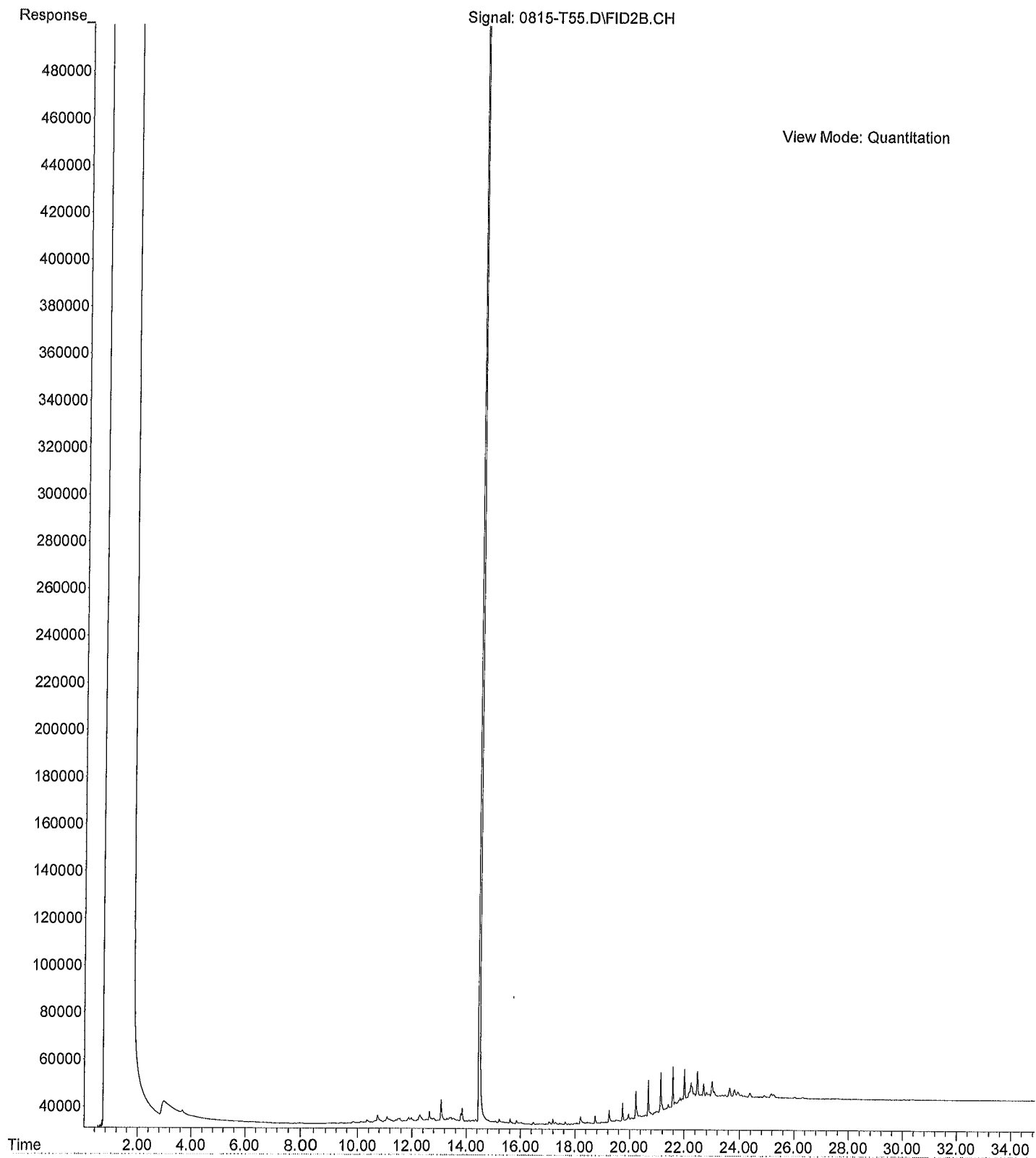
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Misc Info : Sample
Vial Number: 3



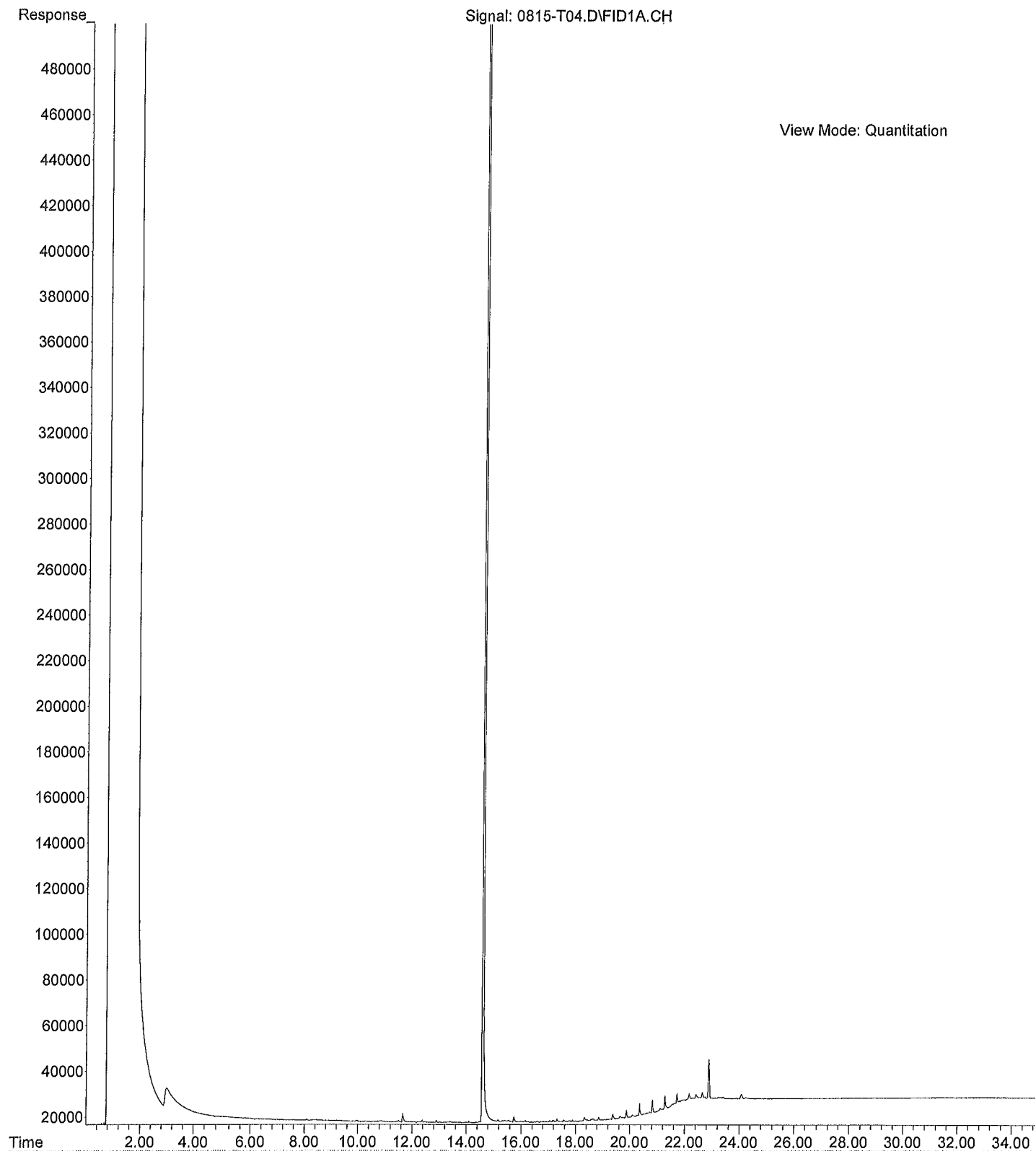
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Instrument : Vigo
Sample Name: 08-175-02
Misc Info : Sample
Vial Number: 4



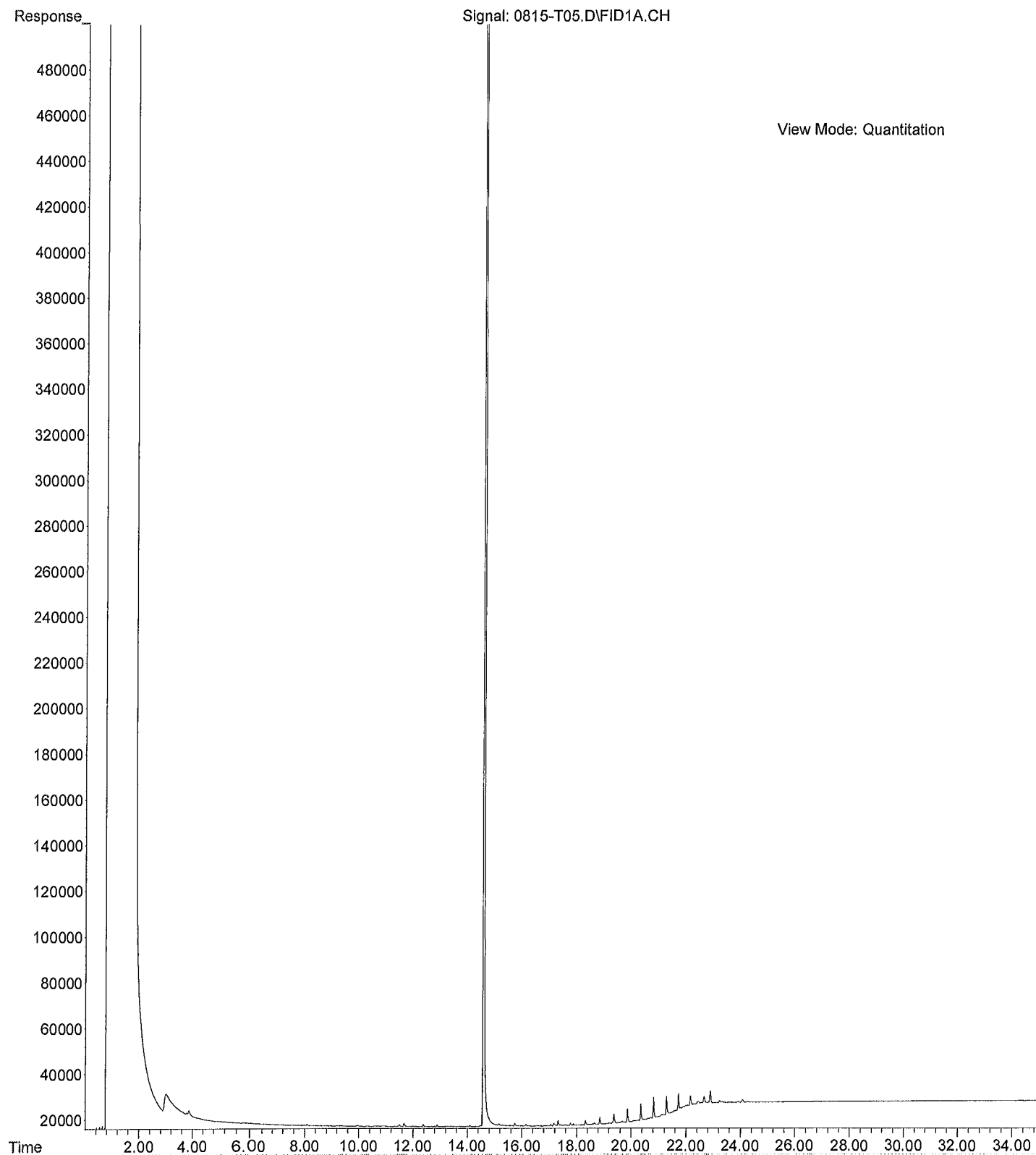
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Instrument : Teri
Sample Name: 08-175-03
Misc Info : RearSamp
Vial Number: 55



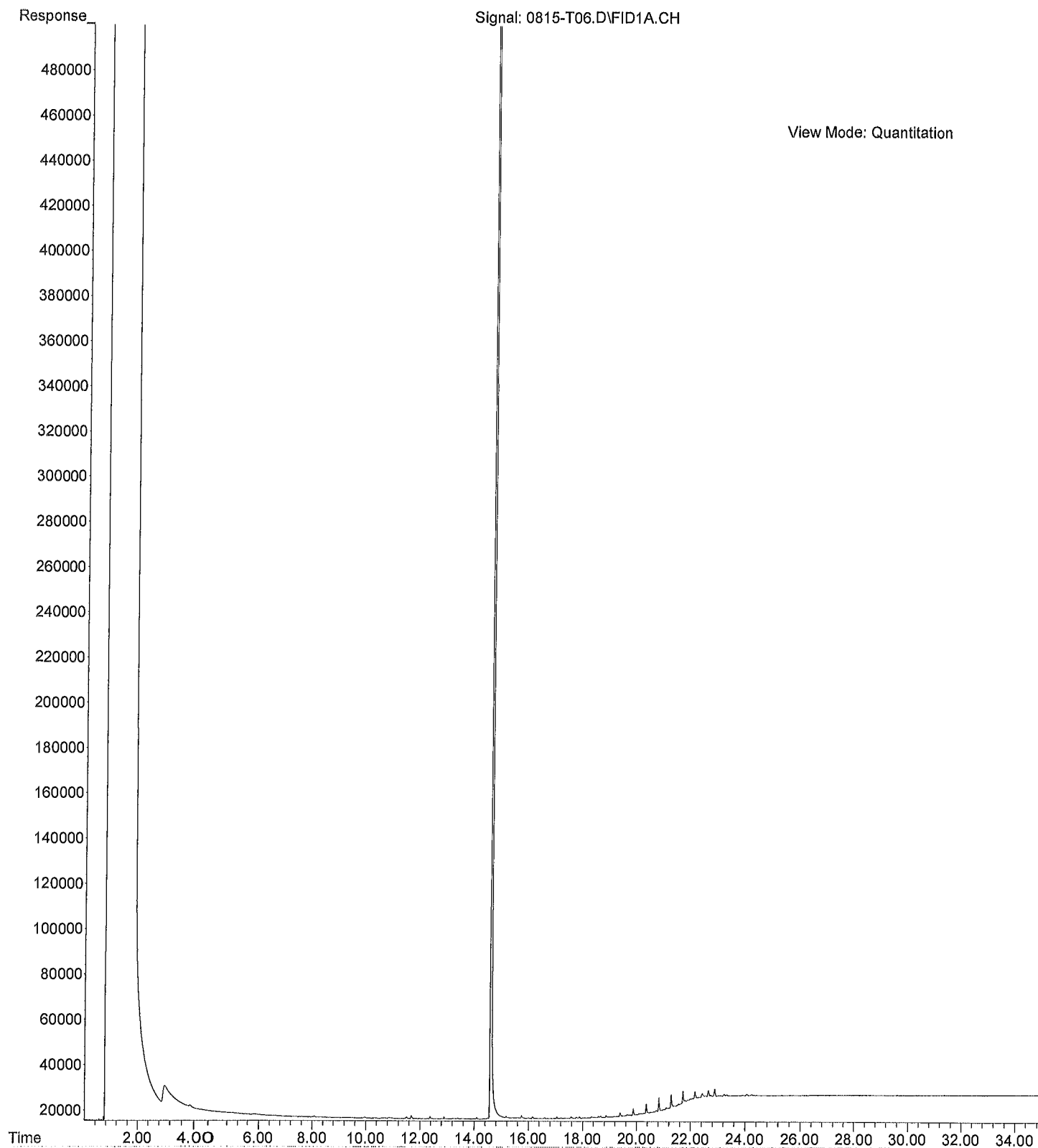
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Sample Name: 08-175-04
Misc Info : Sample
Vial Number: 4



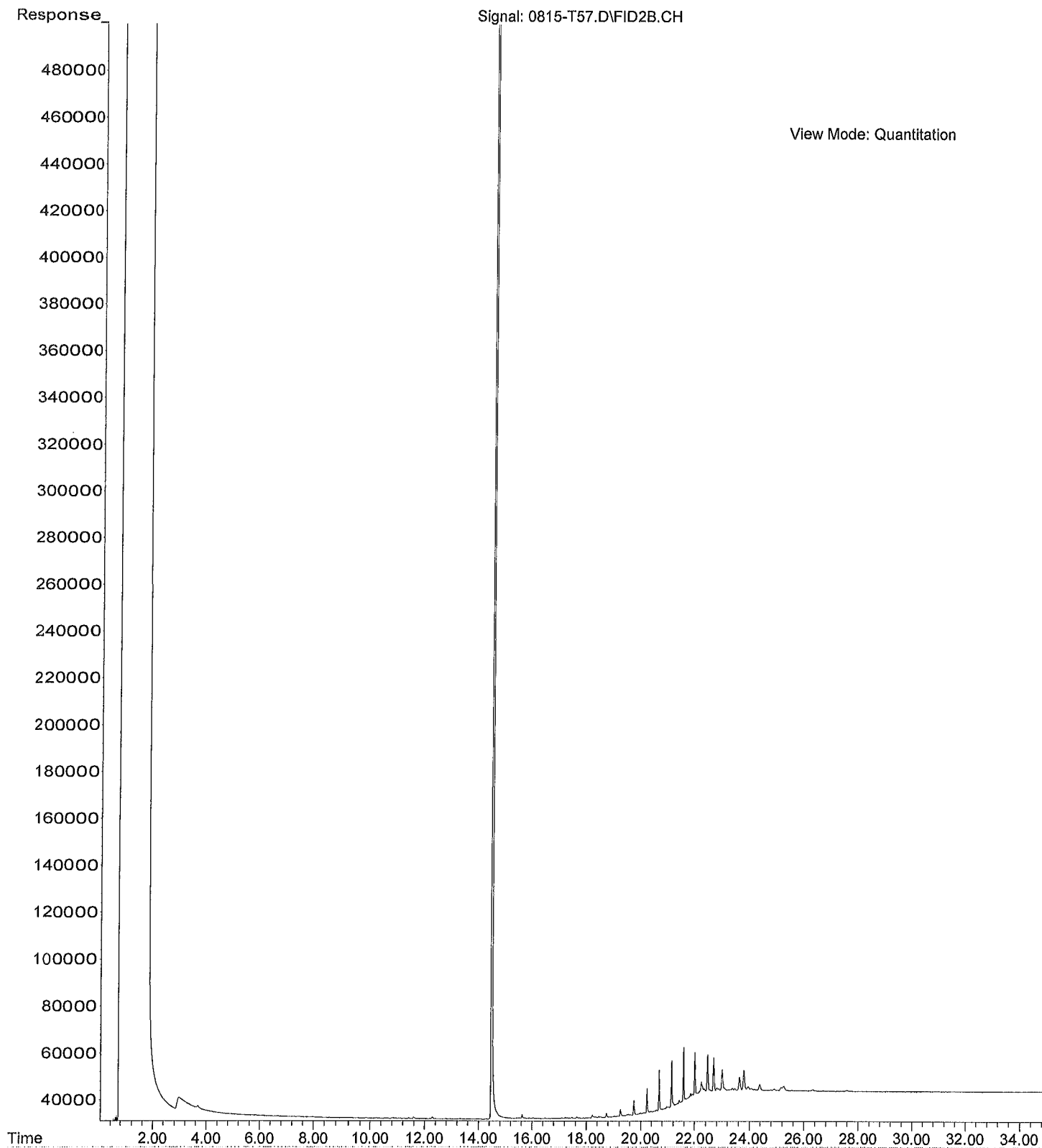
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Instrument : Teri
Sample Name: 08-175-06
Misc Info : Sample
Vial Number: 5



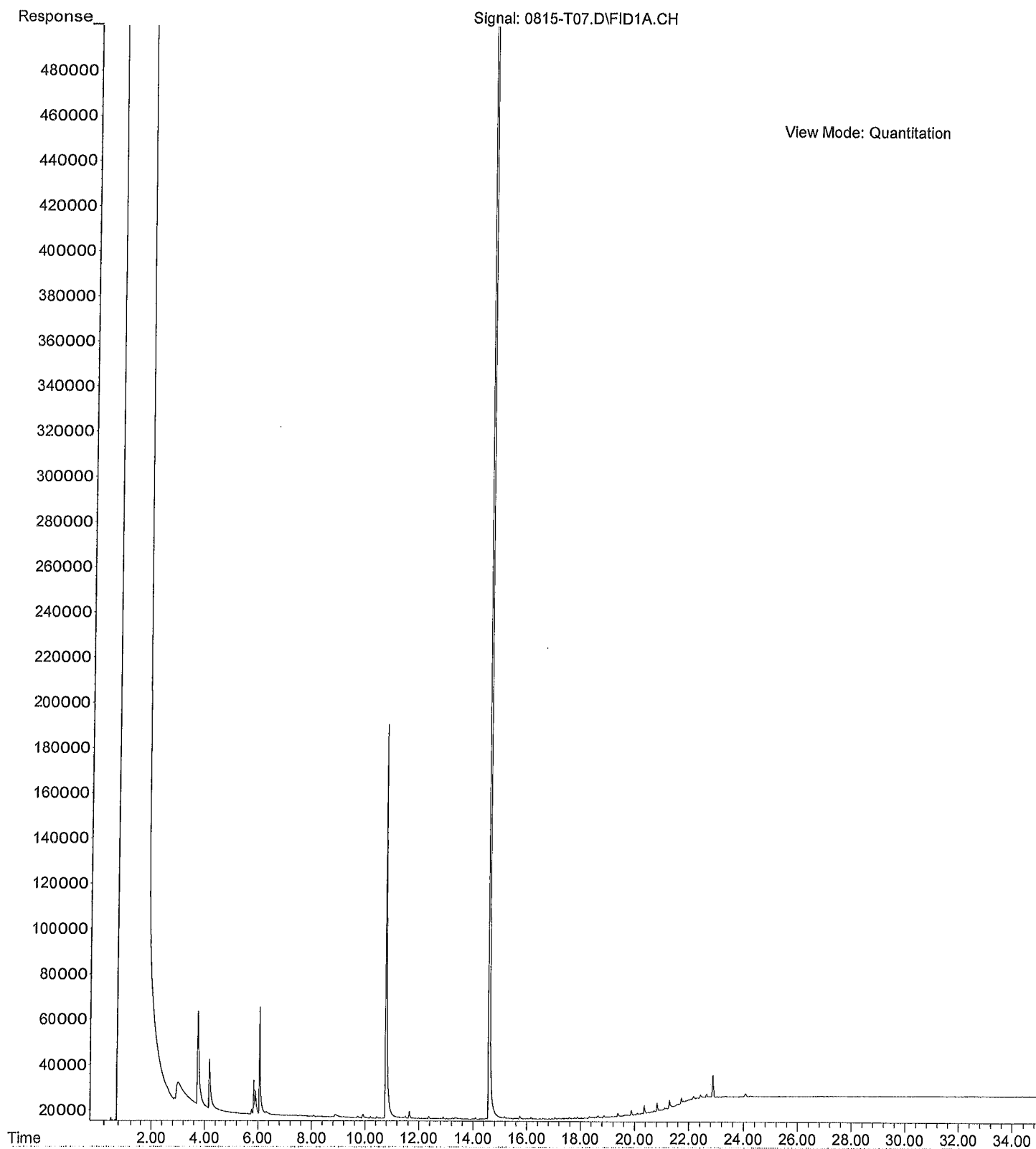
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Instrument : Teri
Sample Name: 08-175-07
Misc Info : Sample
Vial Number: 6



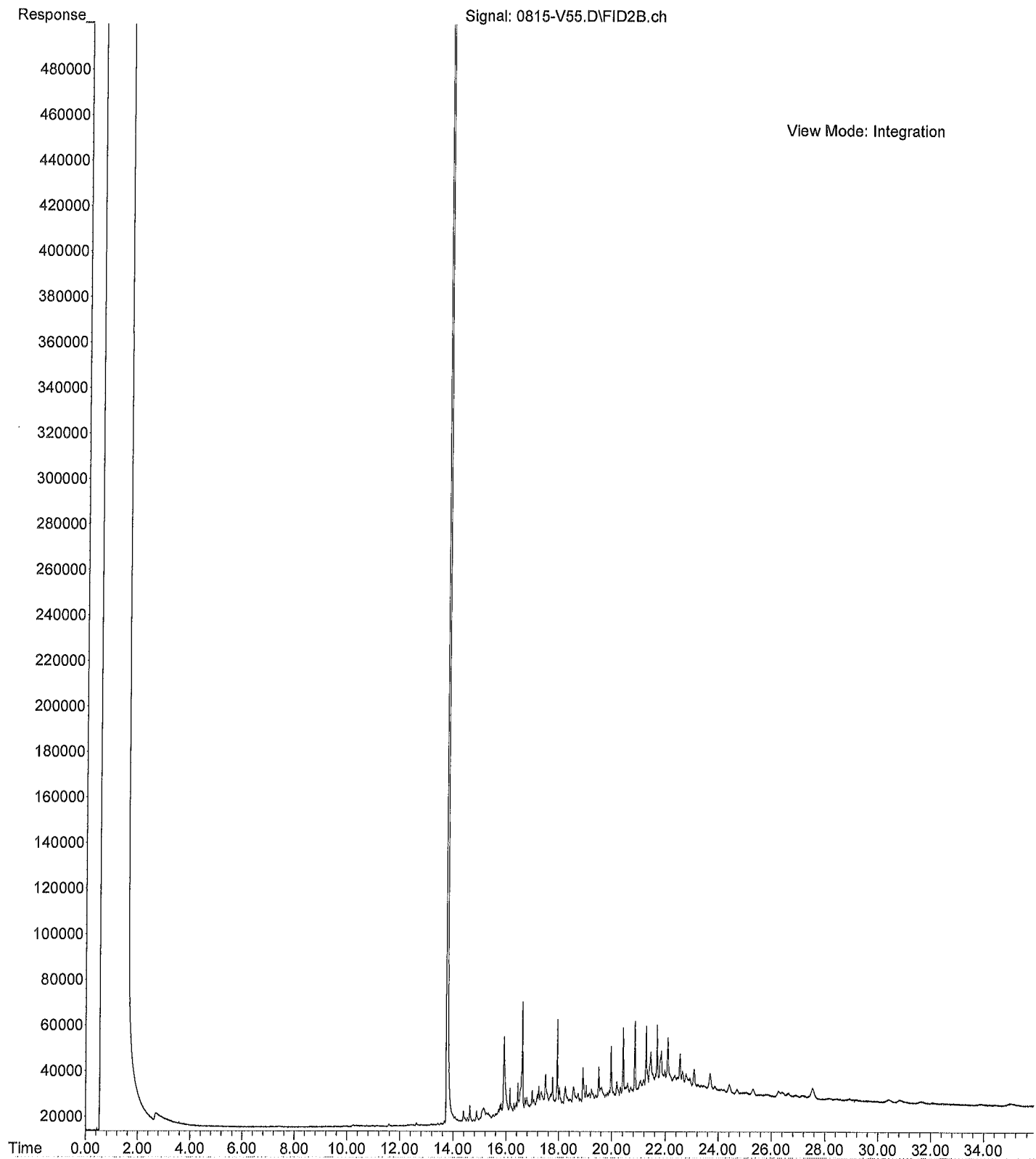
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Sample Name: 08-175-08
Misc Info : RearSamp
Vial Number: 57



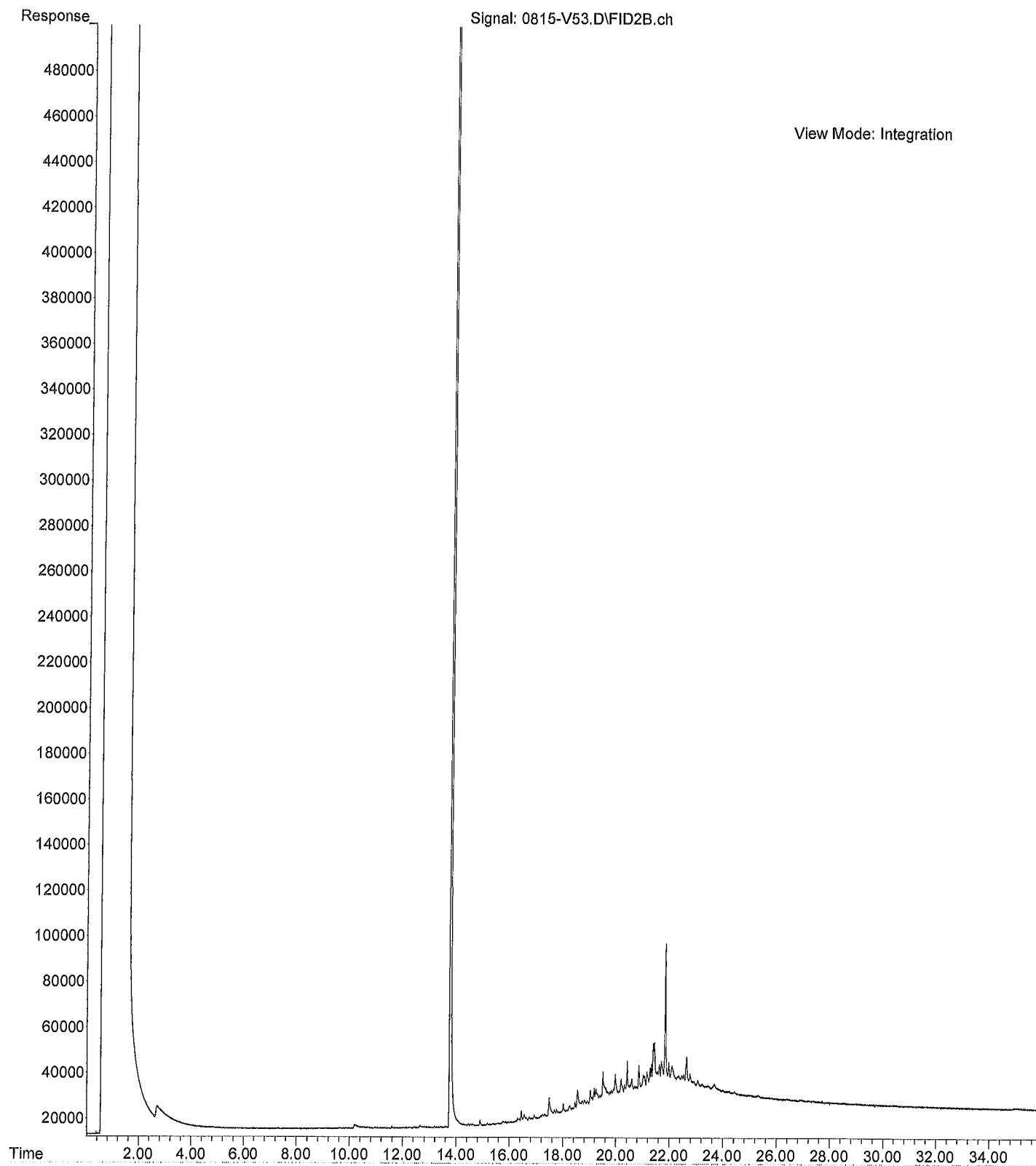
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Instrument : Teri
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Misc Info : Sample
Vial Number: 7



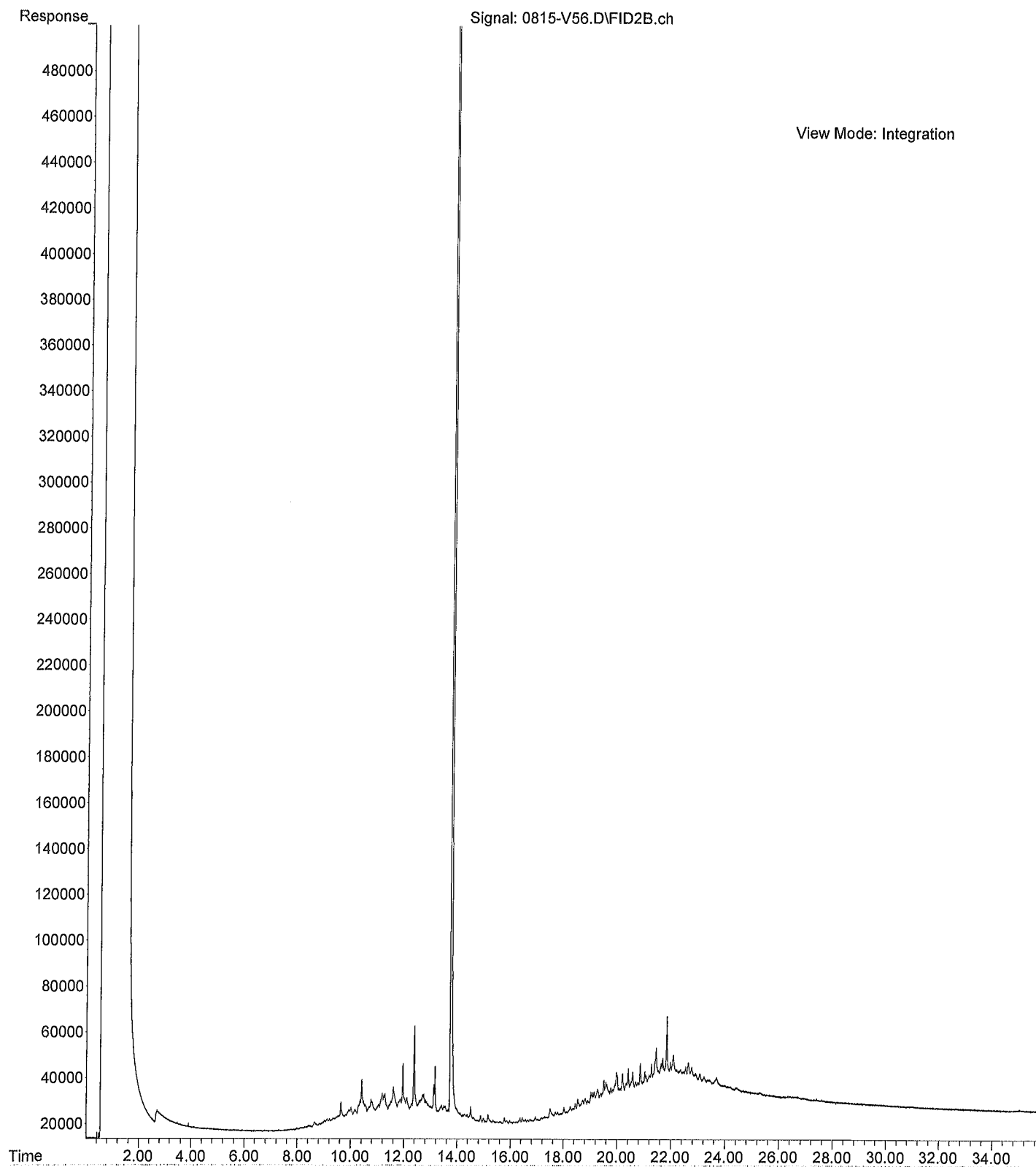
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Sample Name: 08-175-10
Misc Info : RearSamp
Vial Number: 55



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Operator : LW
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Instrument : Vigo
Sample Name: 08-175-11-DUP
Misc Info : RearSamp
Vial Number: 53



File :X:\DIESELS\Vigo\Data\V240815.SEC\0815-V56.D
Operator : LW
Acquired : 15 Aug 2024 11:25 using AcqMethod V230830F.M
Instrument : Vigo
Sample Name: 08-175-12
Misc Info : RearSamp
Vial Number: 56





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August 16, 2024

August Welch
CDM Smith, Inc.
14432 SE Eastgate Way, Suite 100
Bellevue, WA 98007-6493

Re: Analytical Data for Project 295062
Laboratory Reference No. 2408-189

Dear August:

Enclosed are the analytical results and associated quality control data for samples submitted on August 15, 2024.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

A handwritten signature in black ink, appearing to read "DeB" followed by a stylized flourish.

David Baumeister
Project Manager

Enclosures



OnSite Environmental, Inc. 14648 NE 95th Street, Redmond, WA 98052 (425) 883-3881

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 16, 2024
Samples Submitted: August 15, 2024
Laboratory Reference: 2408-189
Project: 295062

Case Narrative

Samples were collected on August 15, 2024 and received by the laboratory on August 15, 2024. They were maintained at the laboratory at a temperature of 2°C to 6°C.

Please note that any and all soil sample results are reported on a dry-weight basis, unless otherwise noted below. However the soil results for the QA/QC samples are reported on a wet-weight basis.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.



Date of Report: August 16, 2024
 Samples Submitted: August 15, 2024
 Laboratory Reference: 2408-189
 Project: 295062

**DIESEL AND HEAVY OIL RANGE ORGANICS
 NWTPH-Dx**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	E1-18SWS-7					
Laboratory ID:	08-189-01					
Diesel Range Organics	ND	29	NWTPH-Dx	8-16-24	8-16-24	
Lube Oil Range Organics	ND	58	NWTPH-Dx	8-16-24	8-16-24	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	69	50-150				

Client ID:	E1-19SWE-7					
Laboratory ID:	08-189-02					
Diesel Range Organics	ND	29	NWTPH-Dx	8-16-24	8-16-24	
Lube Oil Range Organics	ND	57	NWTPH-Dx	8-16-24	8-16-24	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	87	50-150				

Client ID:	E1-20B-7					
Laboratory ID:	08-189-03					
Diesel Range Organics	ND	28	NWTPH-Dx	8-16-24	8-16-24	
Lube Oil Range Organics	ND	57	NWTPH-Dx	8-16-24	8-16-24	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	69	50-150				

Client ID:	E1-21B-9					
Laboratory ID:	08-189-04					
Diesel Range Organics	ND	34	NWTPH-Dx	8-16-24	8-16-24	
Lube Oil Range Organics	ND	69	NWTPH-Dx	8-16-24	8-16-24	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	58	50-150				

Client ID:	E1-22B-9					
Laboratory ID:	08-189-05					
Diesel Range Organics	ND	35	NWTPH-Dx	8-16-24	8-16-24	
Lube Oil Range Organics	ND	69	NWTPH-Dx	8-16-24	8-16-24	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	79	50-150				

Client ID:	E1-23B-9					
Laboratory ID:	08-189-06					
Diesel Range Organics	ND	34	NWTPH-Dx	8-16-24	8-16-24	
Lube Oil Range Organics	ND	67	NWTPH-Dx	8-16-24	8-16-24	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	68	50-150				



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This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 16, 2024
 Samples Submitted: August 15, 2024
 Laboratory Reference: 2408-189
 Project: 295062

**DIESEL AND HEAVY OIL RANGE ORGANICS
 NWTPH-Dx
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0816S1					
Diesel Range Organics	ND	25	NWTPH-Dx	8-16-24	8-16-24	
Lube Oil Range Organics	ND	50	NWTPH-Dx	8-16-24	8-16-24	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	79	50-150				

Analyte	Result		Spike Level		Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE										
Laboratory ID:	08-188-01									
	ORIG	DUP								
Diesel Range	ND	ND	NA	NA		NA	NA	NA	40	
Lube Oil	152	120	NA	NA		NA	NA	24	40	
Surrogate:										
o-Terphenyl						79	68	50-150		



Date of Report: August 16, 2024
Samples Submitted: August 15, 2024
Laboratory Reference: 2408-189
Project: 295062

% MOISTURE

Client ID	Lab ID	% Moisture	Date Analyzed
E1-18SWS-7	08-189-01	14	8-15-24
E1-19SWE-7	08-189-02	13	8-15-24
E1-20B-7	08-189-03	12	8-15-24
E1-21B-9	08-189-04	27	8-15-24
E1-22B-9	08-189-05	28	8-15-24
E1-23B-9	08-189-06	26	8-15-24





Data Qualifiers and Abbreviations

- A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.
- B - The analyte indicated was also found in the blank sample.
- C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.
- E - The value reported exceeds the quantitation range and is an estimate.
- F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.
- H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.
- I - Compound recovery is outside of the control limits.
- J - The value reported was below the practical quantitation limit. The value is an estimate.
- K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.
- L - The RPD is outside of the control limits.
- M - Hydrocarbons in the gasoline range are impacting the diesel range result.
- M1 - Hydrocarbons in the gasoline range (toluene-naphthalene) are present in the sample.
- N - Hydrocarbons in the lube oil range are impacting the diesel range result.
- N1 - Hydrocarbons in diesel range are impacting lube oil range results.
- O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.
- P - The RPD of the detected concentrations between the two columns is greater than 40.
- Q - Surrogate recovery is outside of the control limits.
- S - Surrogate recovery data is not available due to the necessary dilution of the sample.
- T - The sample chromatogram is not similar to a typical _____.
- U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
- U1 - The practical quantitation limit is elevated due to interferences present in the sample.
- V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.
- W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.
- X - Sample extract treated with a mercury cleanup procedure.
- X1 - Sample extract treated with a sulfuric acid/silica gel cleanup procedure.
- X2 - Sample extract treated with a silica gel cleanup procedure.
- Y - The calibration verification for this analyte exceeded the 20% drift specified in methods 8260 & 8270, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.
- Y1 - Negative effects of the matrix from this sample on the instrument caused values for this analyte in the bracketing continuing calibration verification standard (CCVs) to be outside of 20% acceptance criteria. Because of this, quantitation limits and sample concentrations should be considered estimates.
- Z -
- ND - Not Detected at PQL
- PQL - Practical Quantitation Limit
- RPD - Relative Percent Difference





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còm sin. Hh

295862

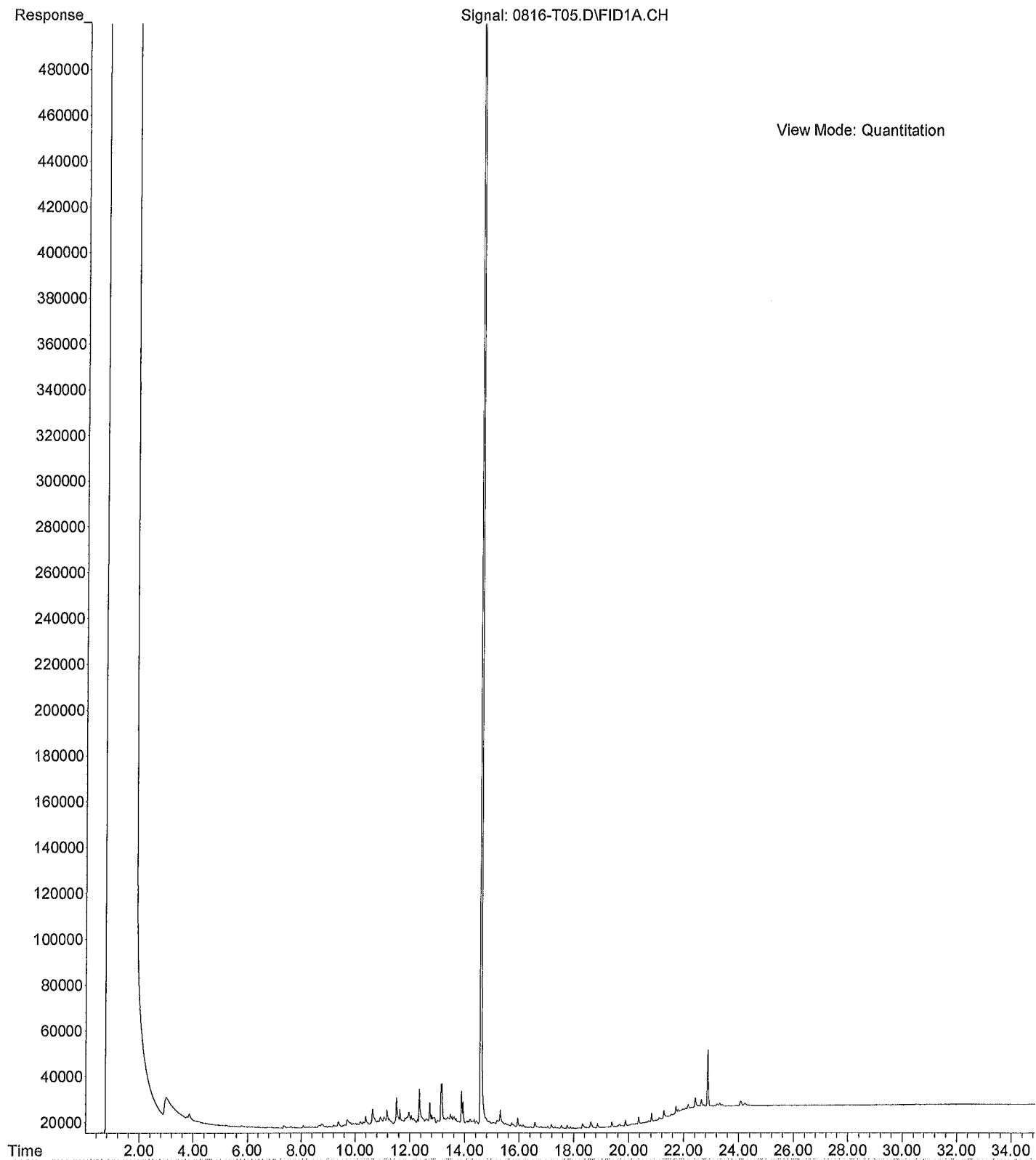
Xinghua - Mercer Island

August Welch

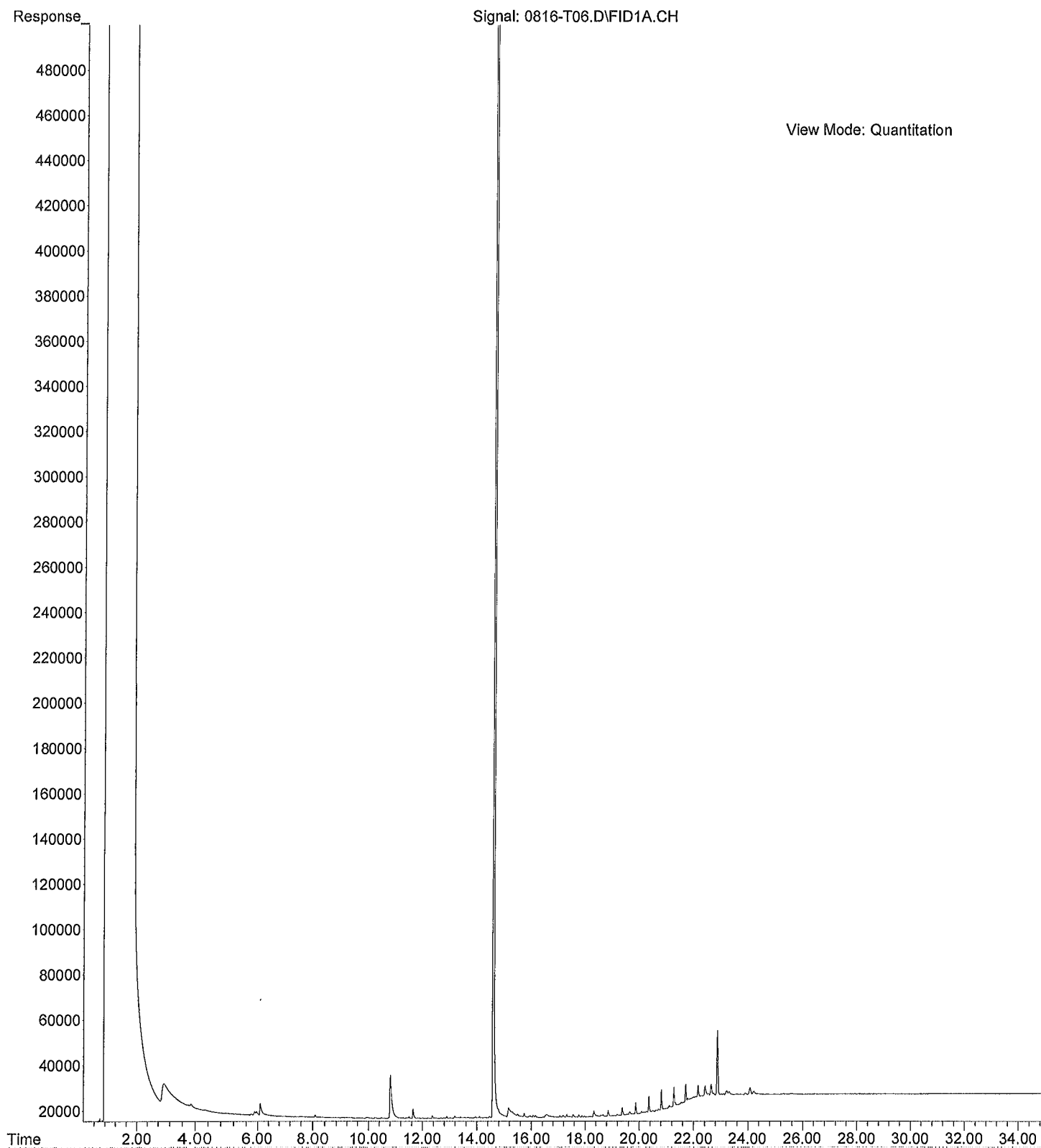
Patrick Faynor

Company: CDM Smith				Turnaround Request (in working days)					
Project Number: 295862				<input checked="" type="checkbox"/> Same Day <input type="checkbox"/> 1 Day <input type="checkbox"/> 2 Days <input type="checkbox"/> 3 Days <input type="checkbox"/> Standard (7 Days)					
Project Name: Kingsbury - Mercer Island				<input type="checkbox"/> _____ (other)					
Project Manager: August Welch									
Sampled by: Patrick Fayner									
Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers				
1	EI-18SW-7	8/15/24	0835	SO	1				
2	EI-19SW-E-7		0840	I	1				
3	EI-20B-7		0845	I	1				
4	EI-21B-9		1310	I	1				
5	EI-22B-9		1315	I	1				
6	EI-23B-9		1320	I	1				
Signature		Company		Date	Time	Comments/Special Instructions			
		CDM Smith		8/15/24	1613	email data to nelson.b.cadmus@smith.com lundeen.j.cadmus@smith.com welch.a.cadmus@smith.com fayner.p.cadmus@smith.com simone.cadmus@smith.com			
Relinquished						Data Package: Standard <input checked="" type="checkbox"/> Level III <input type="checkbox"/> Level IV <input type="checkbox"/>			
Received						Chromatograms with final report <input checked="" type="checkbox"/> Electronic Data Deliverables (EDDs) <input type="checkbox"/>			
Relinquished									
Received									
Relinquished									
Received									
Relinquished									
Reviewed/Date		Reviewed/Date		Laboratory Number: 08-189					

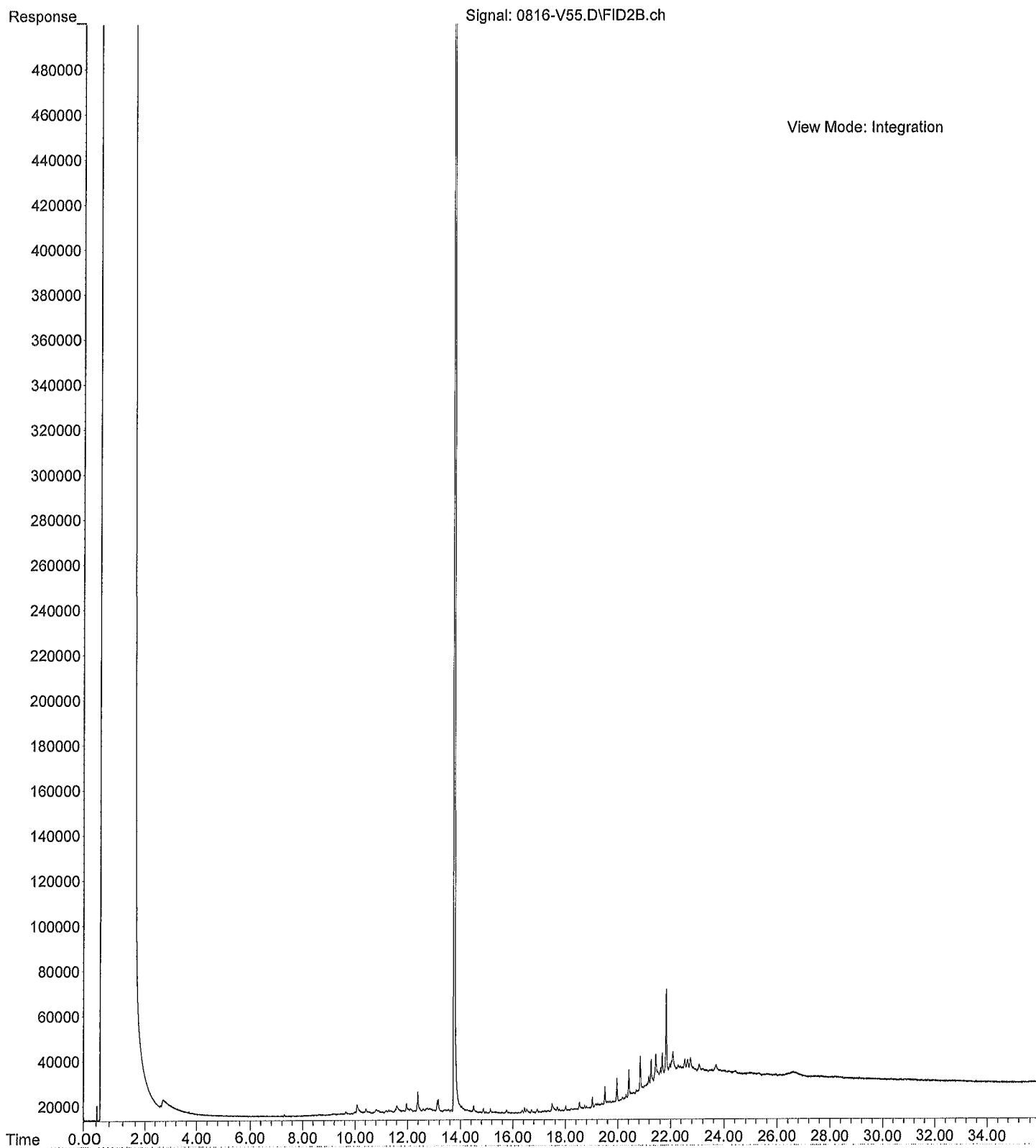
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Instrument : Teri
Sample Name: 08-189-01
Misc Info : Sample
Vial Number: 5



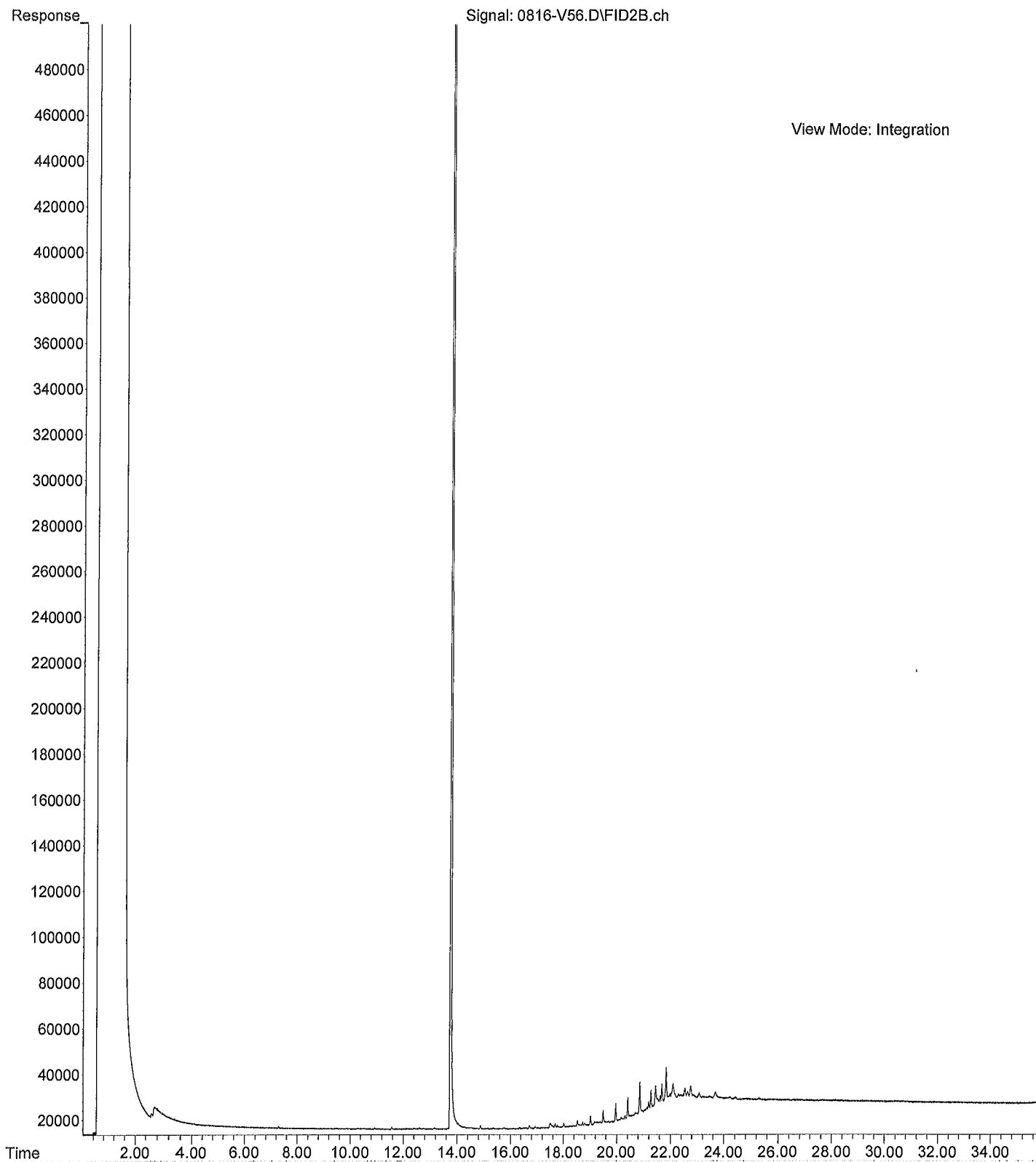
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Operator : LW
Acquired : 16 Aug 2024 12:21 using AcqMethod T231127F.M
Instrument : Teri
Sample Name: 08-189-02
Misc Info : Sample
Vial Number: 6



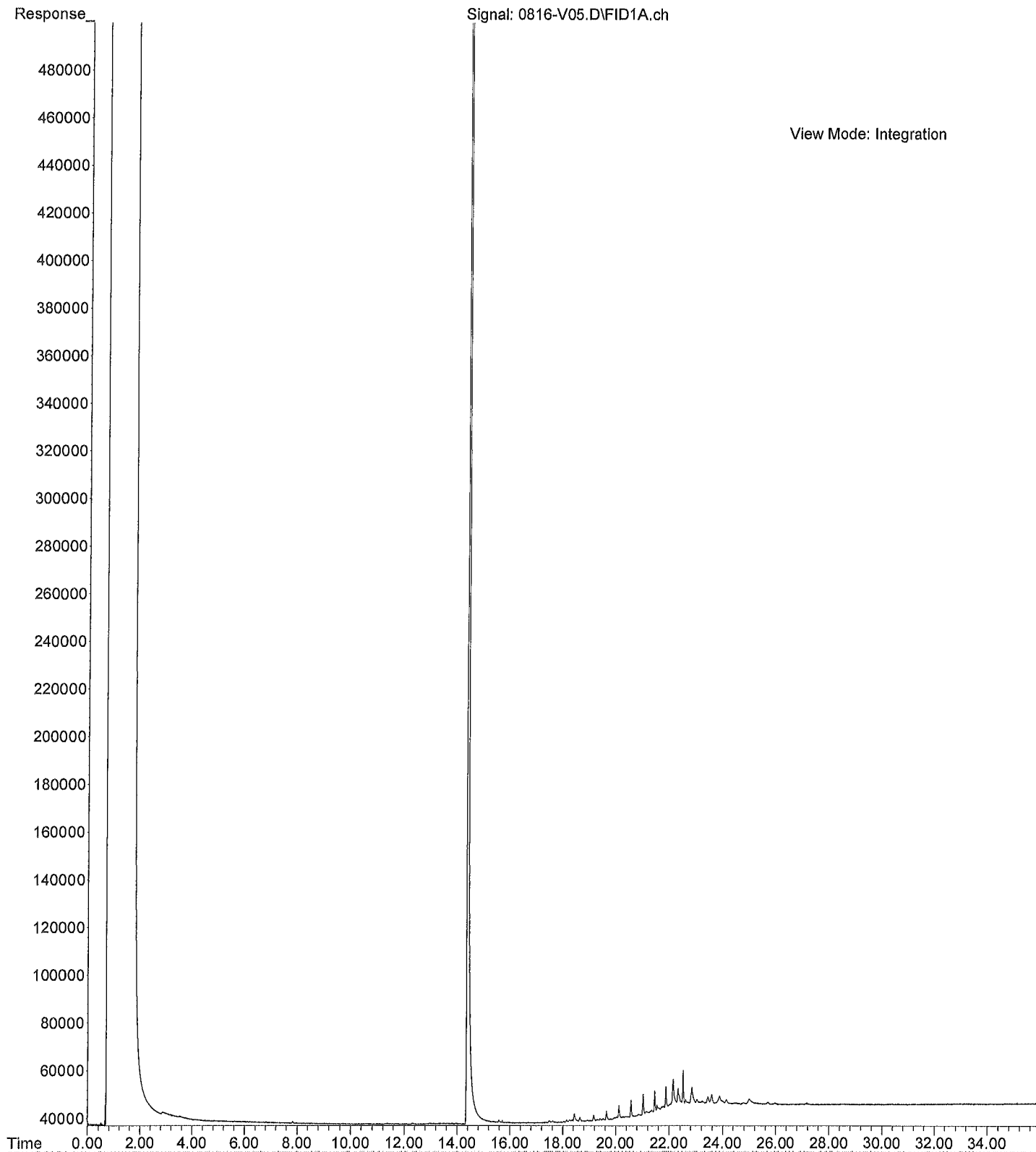
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Acquired : 16 Aug 2024 11:35 using AcqMethod V230830F.M
Instrument : Vigo
Sample Name: 08-189-03
Misc Info : RearSamp
Vial Number: 55



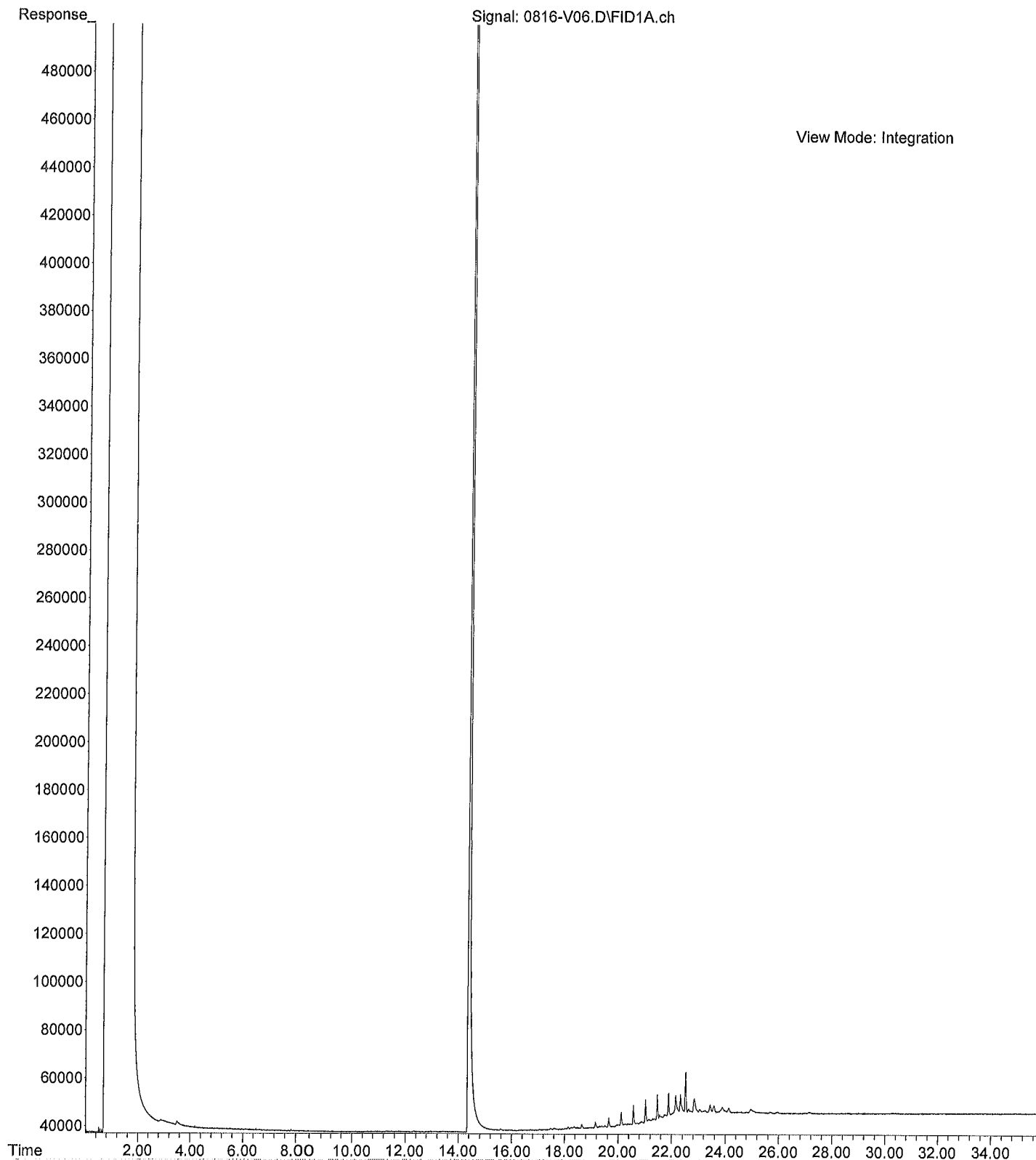
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Operator : LW
Acquired : 16 Aug 2024 12:16 using AcqMethod V230830F.M
Instrument : Vigo
Sample Name: 08-189-04
Misc Info : RearSamp
Vial Number: 56



File :X:\DIESELS\Vigo\Data\V240816\0816-V05.D
Operator : LW
Acquired : 16 Aug 2024 11:35 using AcqMethod V230830F.M
Instrument : Vigo
Sample Name: 08-189-05
Misc Info : Sample
Vial Number: 5



File :X:\DIESELS\Vigo\Data\V240816\0816-V06.D
Operator : LW
Acquired : 16 Aug 2024 12:16 using AcqMethod V230830F.M
Instrument : Vigo
Sample Name: 08-189-06
Misc Info : Sample
Vial Number: 6





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August 23, 2024

August Welch
CDM Smith, Inc.
14432 SE Eastgate Way, Suite 100
Bellevue, WA 98007-6493

Re: Analytical Data for Project 295062
Laboratory Reference No. 2408-207

Dear August:

Enclosed are the analytical results and associated quality control data for samples submitted on August 16, 2024.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

A handwritten signature in black ink, appearing to read "DeB" followed by a stylized flourish.

David Baumeister
Project Manager

Enclosures



OnSite Environmental, Inc. 14648 NE 95th Street, Redmond, WA 98052 (425) 883-3881

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 23, 2024
Samples Submitted: August 16, 2024
Laboratory Reference: 2408-207
Project: 295062

Case Narrative

Samples were collected on August 16, 2024 and received by the laboratory on August 16, 2024. They were maintained at the laboratory at a temperature of 2°C to 6°C.

Please note that any and all soil sample results are reported on a dry-weight basis, unless otherwise noted below. However the soil results for the QA/QC samples are reported on a wet-weight basis.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.



Date of Report: August 23, 2024
 Samples Submitted: August 16, 2024
 Laboratory Reference: 2408-207
 Project: 295062

**DIESEL AND HEAVY OIL RANGE ORGANICS
 NWTPH-Dx**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	E1-24B-6					
Laboratory ID:	08-207-01					
Diesel Range Organics	ND	30	NWTPH-Dx	8-16-24	8-17-24	
Lube Oil	100	60	NWTPH-Dx	8-16-24	8-17-24	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	85	50-150				

Client ID:	E1-25SWS-6					
Laboratory ID:	08-207-02					
Diesel Range Organics	ND	32	NWTPH-Dx	8-16-24	8-16-24	
Lube Oil Range Organics	ND	64	NWTPH-Dx	8-16-24	8-16-24	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	81	50-150				

Client ID:	E1-26B-6					
Laboratory ID:	08-207-03					
Diesel Range Organics	ND	28	NWTPH-Dx	8-16-24	8-16-24	
Lube Oil Range Organics	ND	57	NWTPH-Dx	8-16-24	8-16-24	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	75	50-150				

Client ID:	E1-27B-6					
Laboratory ID:	08-207-04					
Diesel Range Organics	ND	30	NWTPH-Dx	8-16-24	8-16-24	
Lube Oil Range Organics	ND	59	NWTPH-Dx	8-16-24	8-16-24	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	83	50-150				



Date of Report: August 23, 2024
 Samples Submitted: August 16, 2024
 Laboratory Reference: 2408-207
 Project: 295062

**DIESEL AND HEAVY OIL RANGE ORGANICS
 NWTPH-Dx
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0816S1					
Diesel Range Organics	ND	25	NWTPH-Dx	8-16-24	8-16-24	
Lube Oil Range Organics	ND	50	NWTPH-Dx	8-16-24	8-16-24	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	79	50-150				

Analyte	Result		Spike Level		Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE										
Laboratory ID:	08-188-01									
	ORIG	DUP								
Diesel Range	ND	ND	NA	NA		NA	NA	NA	40	
Lube Oil	152	120	NA	NA		NA	NA	24	40	
Surrogate:										
o-Terphenyl						79	68	50-150		



Date of Report: August 23, 2024
 Samples Submitted: August 16, 2024
 Laboratory Reference: 2408-207
 Project: 295062

PAHs EPA 8270E/SIM

Matrix: Soil
 Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	E1-27B-6					
Laboratory ID:	08-207-04					
Naphthalene	ND	0.0079	EPA 8270E/SIM	8-16-24	8-19-24	
2-Methylnaphthalene	ND	0.0079	EPA 8270E/SIM	8-16-24	8-19-24	
1-Methylnaphthalene	ND	0.0079	EPA 8270E/SIM	8-16-24	8-19-24	
Acenaphthylene	ND	0.0079	EPA 8270E/SIM	8-16-24	8-19-24	
Acenaphthene	ND	0.0079	EPA 8270E/SIM	8-16-24	8-19-24	
Fluorene	ND	0.0079	EPA 8270E/SIM	8-16-24	8-19-24	
Phenanthrene	ND	0.0079	EPA 8270E/SIM	8-16-24	8-19-24	
Anthracene	ND	0.0079	EPA 8270E/SIM	8-16-24	8-19-24	
Fluoranthene	ND	0.0079	EPA 8270E/SIM	8-16-24	8-19-24	
Pyrene	ND	0.0079	EPA 8270E/SIM	8-16-24	8-19-24	
Benzo[a]anthracene	ND	0.0079	EPA 8270E/SIM	8-16-24	8-19-24	
Chrysene	ND	0.0079	EPA 8270E/SIM	8-16-24	8-19-24	
Benzo[b]fluoranthene	ND	0.0079	EPA 8270E/SIM	8-16-24	8-19-24	
Benzo(j,k)fluoranthene	ND	0.0079	EPA 8270E/SIM	8-16-24	8-19-24	
Benzo[a]pyrene	ND	0.0079	EPA 8270E/SIM	8-16-24	8-19-24	
Indeno(1,2,3-c,d)pyrene	ND	0.0079	EPA 8270E/SIM	8-16-24	8-19-24	
Dibenz[a,h]anthracene	ND	0.0079	EPA 8270E/SIM	8-16-24	8-19-24	
Benzo[g,h,i]perylene	ND	0.0079	EPA 8270E/SIM	8-16-24	8-19-24	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>2-Fluorobiphenyl</i>	<i>77</i>	<i>47-112</i>				
<i>Pyrene-d10</i>	<i>83</i>	<i>48-129</i>				
<i>Terphenyl-d14</i>	<i>80</i>	<i>51-114</i>				



Date of Report: August 23, 2024
 Samples Submitted: August 16, 2024
 Laboratory Reference: 2408-207
 Project: 295062

**PAHs EPA 8270E/SIM
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0816S1					
Naphthalene	ND	0.0067	EPA 8270E/SIM	8-16-24	8-16-24	
2-Methylnaphthalene	ND	0.0067	EPA 8270E/SIM	8-16-24	8-16-24	
1-Methylnaphthalene	ND	0.0067	EPA 8270E/SIM	8-16-24	8-16-24	
Acenaphthylene	ND	0.0067	EPA 8270E/SIM	8-16-24	8-16-24	
Acenaphthene	ND	0.0067	EPA 8270E/SIM	8-16-24	8-16-24	
Fluorene	ND	0.0067	EPA 8270E/SIM	8-16-24	8-16-24	
Phenanthrene	ND	0.0067	EPA 8270E/SIM	8-16-24	8-16-24	
Anthracene	ND	0.0067	EPA 8270E/SIM	8-16-24	8-16-24	
Fluoranthene	ND	0.0067	EPA 8270E/SIM	8-16-24	8-16-24	
Pyrene	ND	0.0067	EPA 8270E/SIM	8-16-24	8-16-24	
Benzo[a]anthracene	ND	0.0067	EPA 8270E/SIM	8-16-24	8-16-24	
Chrysene	ND	0.0067	EPA 8270E/SIM	8-16-24	8-16-24	
Benzo[b]fluoranthene	ND	0.0067	EPA 8270E/SIM	8-16-24	8-16-24	
Benzo[j,k]fluoranthene	ND	0.0067	EPA 8270E/SIM	8-16-24	8-16-24	
Benzo[a]pyrene	ND	0.0067	EPA 8270E/SIM	8-16-24	8-16-24	
Indeno(1,2,3-c,d)pyrene	ND	0.0067	EPA 8270E/SIM	8-16-24	8-16-24	
Dibenz[a,h]anthracene	ND	0.0067	EPA 8270E/SIM	8-16-24	8-16-24	
Benzo[g,h,i]perylene	ND	0.0067	EPA 8270E/SIM	8-16-24	8-16-24	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
2-Fluorobiphenyl	77	47-112				
Pyrene-d10	85	48-129				
Terphenyl-d14	81	51-114				



Date of Report: August 23, 2024
 Samples Submitted: August 16, 2024
 Laboratory Reference: 2408-207
 Project: 295062

**PAHs EPA 8270E/SIM
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg

Analyte	Result		Spike Level		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB0816S1									
	SB	SBD	SB	SBD	SB	SBD				
Naphthalene	0.0750	0.0751	0.0833	0.0833	90	90	64-115	0	15	
Acenaphthylene	0.0762	0.0763	0.0833	0.0833	91	92	68-118	0	15	
Acenaphthene	0.0757	0.0754	0.0833	0.0833	91	91	67-116	0	15	
Fluorene	0.0756	0.0779	0.0833	0.0833	91	94	69-120	3	15	
Phenanthrene	0.0864	0.0872	0.0833	0.0833	104	105	67-120	1	15	
Anthracene	0.0844	0.0793	0.0833	0.0833	101	95	71-118	6	15	
Fluoranthene	0.0766	0.0819	0.0833	0.0833	92	98	73-118	7	15	
Pyrene	0.0776	0.0804	0.0833	0.0833	93	97	71-118	4	15	
Benzo[a]anthracene	0.0790	0.0805	0.0833	0.0833	95	97	60-128	2	15	
Chrysene	0.0771	0.0757	0.0833	0.0833	93	91	70-121	2	15	
Benzo[b]fluoranthene	0.0803	0.0759	0.0833	0.0833	96	91	68-123	6	15	
Benzo(j,k)fluoranthene	0.0782	0.0814	0.0833	0.0833	94	98	73-123	4	17	
Benzo[a]pyrene	0.0806	0.0806	0.0833	0.0833	97	97	72-120	0	15	
Indeno(1,2,3-c,d)pyrene	0.0828	0.0830	0.0833	0.0833	99	100	64-122	0	15	
Dibenz[a,h]anthracene	0.0940	0.0921	0.0833	0.0833	113	111	72-120	2	15	
Benzo[g,h,i]perylene	0.0810	0.0804	0.0833	0.0833	97	97	71-117	1	15	
Surrogate:										
2-Fluorobiphenyl					89	88	47-112			
Pyrene-d10					96	94	48-129			
Terphenyl-d14					89	92	51-114			



Date of Report: August 23, 2024
Samples Submitted: August 16, 2024
Laboratory Reference: 2408-207
Project: 295062

% MOISTURE

Client ID	Lab ID	% Moisture	Date Analyzed
E1-24B-6	08-207-01	17	8-16-24
E1-25SWS-6	08-207-02	22	8-16-24
E1-26B-6	08-207-03	12	8-16-24
E1-27B-6	08-207-04	16	8-16-24





Data Qualifiers and Abbreviations

- A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.
- B - The analyte indicated was also found in the blank sample.
- C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.
- E - The value reported exceeds the quantitation range and is an estimate.
- F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.
- H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.
- I - Compound recovery is outside of the control limits.
- J - The value reported was below the practical quantitation limit. The value is an estimate.
- K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.
- L - The RPD is outside of the control limits.
- M - Hydrocarbons in the gasoline range are impacting the diesel range result.
- M1 - Hydrocarbons in the gasoline range (toluene-naphthalene) are present in the sample.
- N - Hydrocarbons in the lube oil range are impacting the diesel range result.
- N1 - Hydrocarbons in diesel range are impacting lube oil range results.
- O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.
- P - The RPD of the detected concentrations between the two columns is greater than 40.
- Q - Surrogate recovery is outside of the control limits.
- S - Surrogate recovery data is not available due to the necessary dilution of the sample.
- T - The sample chromatogram is not similar to a typical _____.
- U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
- U1 - The practical quantitation limit is elevated due to interferences present in the sample.
- V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.
- W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.
- X - Sample extract treated with a mercury cleanup procedure.
- X1 - Sample extract treated with a sulfuric acid/silica gel cleanup procedure.
- X2 - Sample extract treated with a silica gel cleanup procedure.
- Y - The calibration verification for this analyte exceeded the 20% drift specified in methods 8260 & 8270, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.
- Y1 - Negative effects of the matrix from this sample on the instrument caused values for this analyte in the bracketing continuing calibration verification standard (CCVs) to be outside of 20% acceptance criteria. Because of this, quantitation limits and sample concentrations should be considered estimates.
- Z -
- ND - Not Detected at PQL
- PQL - Practical Quantitation Limit
- RPD - Relative Percent Difference





Analytical Laboratory Testing Services
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

CDR Smith

~~295862~~ 295062

inghwa-Meter Island

August Weich

Patrick J. J. J.

Lab ID	Sample Identification
--------	-----------------------

Date	Time	Matrix
Sampled	Sampled	Sampled

Number of Containers

NWTPH-HCID

NWTPH-Gx/BTEX (8021 ☐ 8260 ☐)

NWTPH-Gx

NWTPH-Dx (SG Clean-up ☐)

Volatiles 8260

Halogenated Volatiles 8260

EPA 8011 (Waters Only)

Semivolatiles 8270/SIM

PAHs 8270/SIM (low-level)

PCBs 8082

Organochlorine Pesticides 8081

Organophosphorus Pesticides 8270/SIM

Chlorinated Acid Herbicides 8151

Total RCRA Metals

Total MTCA Metals

TCLP Metals

HEM (oil and grease) 1664

% Moisture

Turnaround Request
(in working days)

(Check One)

☒ Same Day ☐ 1 Day

☐ 2 Days ☐ 3 Days

☒ Standard (7 Days)

standard form
PAHs 8270/51M
(1000-1000)

(other)

Laboratory Number:

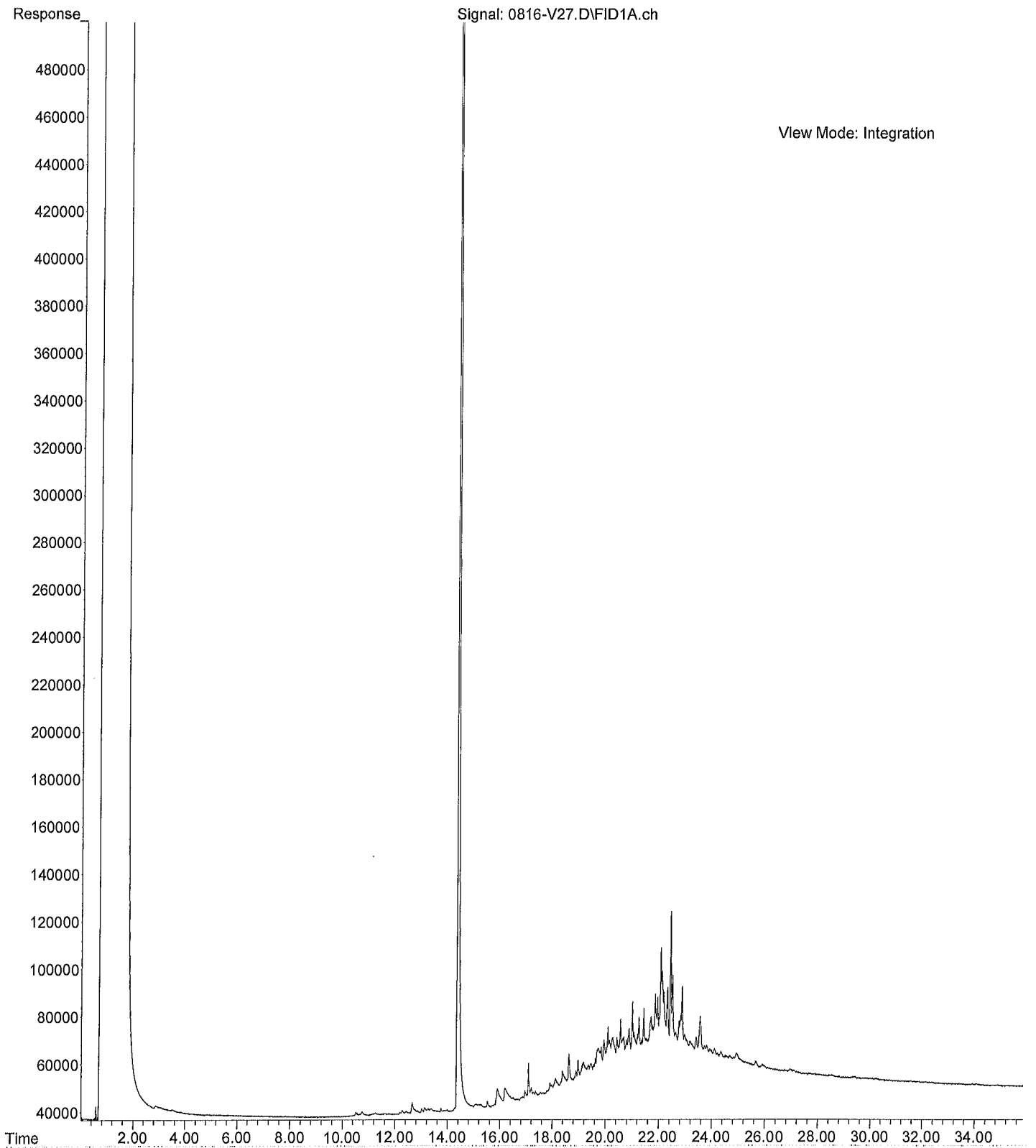
08-207

Page ____ of ____

Chain of Custody

Analytical Laboratory Testing Services 14648 NE 95th Street • Redmond, WA 98052 Phone: (425) 883-3881 • www.on-site-env.com					
Company: CDA Smith					
Project Number: 295562 295062					
Project Name: Xinghua-Mercer Island					
Project Manager: August Welch					
Sampled by: Patrick Fugner					
<input checked="" type="checkbox"/> Same Day <input type="checkbox"/> 1 Day <input type="checkbox"/> 2 Days <input type="checkbox"/> 3 Days (Check One) Standard (7 Days) PAHs 8270/SIM (low-level) C10w-10w11 (other)					
Turnaround Request (in working days)					
Date Sampled Time Sampled Matrix					
Lab ID Sample Identification					
Number of Containers					
NWTPH-HCID					
NWTPH-Gx/BTEX (8021 <input type="checkbox"/> 8260 <input type="checkbox"/>)					
NWTPH-Gx					
NWTPH-Dx (SG Clean-up <input type="checkbox"/>)					
Volatiles 8260					
Halogenated Volatiles 8260					
EDB EPA 8011 (Waters Only)					
Semivolatiles 8270/SIM (with low-level PAHs)					
PAHs 8270/SIM (low-level)					
PCBs 8082					
Organochlorine Pesticides 8081					
Organophosphorus Pesticides 8270/SIM					
Chlorinated Acid Herbicides 8151					
Total RCRA Metals					
Total MTCA Metals					
TCLP Metals					
HEM (oil and grease) 1664					
% Moisture					
Relinquished					
Received					
Relinquished					
Received					
Relinquished					
Received					
Reviewed/Date					
Signature					
Company					
Date					
Time					
Comments/Special Instructions					
Data Package: Standard <input checked="" type="checkbox"/> Level III <input type="checkbox"/> Level IV <input type="checkbox"/>					
Chromatograms with final report <input checked="" type="checkbox"/> Electronic Data Deliverables (EDDs) <input type="checkbox"/>					

File :X:\DIESELS\Vigo\Data\V240816\0816-V27.D
Operator : LW
Acquired : 17 Aug 2024 2:43 using AcqMethod V230830F.M
Instrument : Vigo
Sample Name: 08-207-01
Misc Info : Sample
Vial Number: 27





14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

August 20, 2024

August Welch
CDM Smith, Inc.
14432 SE Eastgate Way, Suite 100
Bellevue, WA 98007-6493

Re: Analytical Data for Project 295062
Laboratory Reference No. 2408-223

Dear August:

Enclosed are the analytical results and associated quality control data for samples submitted on August 19, 2024.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

A handwritten signature in black ink, appearing to read "DeB" followed by a stylized flourish.

David Baumeister
Project Manager

Enclosures



OnSite Environmental, Inc. 14648 NE 95th Street, Redmond, WA 98052 (425) 883-3881

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 20, 2024
Samples Submitted: August 19, 2024
Laboratory Reference: 2408-223
Project: 295062

Case Narrative

Samples were collected on August 19, 2024 and received by the laboratory on August 19, 2024. They were maintained at the laboratory at a temperature of 2°C to 6°C.

Please note that any and all soil sample results are reported on a dry-weight basis, unless otherwise noted below. However the soil results for the QA/QC samples are reported on a wet-weight basis.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.



Date of Report: August 20, 2024
 Samples Submitted: August 19, 2024
 Laboratory Reference: 2408-223
 Project: 295062

**DIESEL AND HEAVY OIL RANGE ORGANICS
 NWTPH-Dx**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	E1-28B-10					
Laboratory ID:	08-223-01					
Diesel Range Organics	ND	30	NWTPH-Dx	8-20-24	8-20-24	
Lube Oil Range Organics	ND	60	NWTPH-Dx	8-20-24	8-20-24	
Surrogate:	Percent Recovery	Control Limits				
<i>o</i> -Terphenyl	82	50-150				

Client ID:	E1-29B-10					
Laboratory ID:	08-223-02					
Diesel Range Organics	ND	30	NWTPH-Dx	8-20-24	8-20-24	
Lube Oil Range Organics	ND	59	NWTPH-Dx	8-20-24	8-20-24	
Surrogate:	Percent Recovery	Control Limits				
<i>o</i> -Terphenyl	63	50-150				

Client ID:	E1-30B-10					
Laboratory ID:	08-223-03					
Diesel Range Organics	ND	28	NWTPH-Dx	8-20-24	8-20-24	
Lube Oil Range Organics	ND	57	NWTPH-Dx	8-20-24	8-20-24	
Surrogate:	Percent Recovery	Control Limits				
<i>o</i> -Terphenyl	64	50-150				

Client ID:	E1-31B-10					
Laboratory ID:	08-223-04					
Diesel Range Organics	ND	30	NWTPH-Dx	8-20-24	8-20-24	
Lube Oil Range Organics	ND	60	NWTPH-Dx	8-20-24	8-20-24	
Surrogate:	Percent Recovery	Control Limits				
<i>o</i> -Terphenyl	89	50-150				

Client ID:	E1-32B-10					
Laboratory ID:	08-223-05					
Diesel Range Organics	ND	30	NWTPH-Dx	8-20-24	8-20-24	
Lube Oil Range Organics	ND	60	NWTPH-Dx	8-20-24	8-20-24	
Surrogate:	Percent Recovery	Control Limits				
<i>o</i> -Terphenyl	88	50-150				

Client ID:	E1-33PWN-5					
Laboratory ID:	08-223-06					
Diesel Range Organics	ND	32	NWTPH-Dx	8-20-24	8-20-24	
Lube Oil	230	64	NWTPH-Dx	8-20-24	8-20-24	
Surrogate:	Percent Recovery	Control Limits				
<i>o</i> -Terphenyl	72	50-150				



Date of Report: August 20, 2024
 Samples Submitted: August 19, 2024
 Laboratory Reference: 2408-223
 Project: 295062

**DIESEL AND HEAVY OIL RANGE ORGANICS
 NWTPH-Dx**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	E1-34PWS-5					
Laboratory ID:	08-223-07					
Diesel Range Organics	ND	30	NWTPH-Dx	8-20-24	8-20-24	
Lube Oil Range Organics	ND	60	NWTPH-Dx	8-20-24	8-20-24	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	86	50-150				

Client ID:	E1-35PWE-5					
Laboratory ID:	08-223-08					
Diesel Range Organics	ND	29	NWTPH-Dx	8-20-24	8-20-24	
Lube Oil Range Organics	ND	58	NWTPH-Dx	8-20-24	8-20-24	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	74	50-150				

Client ID:	E1-36PWW-5					
Laboratory ID:	08-223-09					
Diesel Range Organics	ND	33	NWTPH-Dx	8-20-24	8-20-24	
Lube Oil Range Organics	ND	66	NWTPH-Dx	8-20-24	8-20-24	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	77	50-150				

Client ID:	E1-37B-6					
Laboratory ID:	08-223-10					
Diesel Range Organics	ND	150	NWTPH-Dx	8-20-24	8-20-24	
Lube Oil	1000	310	NWTPH-Dx	8-20-24	8-20-24	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	80	50-150				



Date of Report: August 20, 2024
 Samples Submitted: August 19, 2024
 Laboratory Reference: 2408-223
 Project: 295062

**DIESEL AND HEAVY OIL RANGE ORGANICS
 NWTPH-Dx
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0820S1					
Diesel Range Organics	ND	25	NWTPH-Dx	8-20-24	8-20-24	
Lube Oil Range Organics	ND	50	NWTPH-Dx	8-20-24	8-20-24	
Surrogate:	Percent Recovery	Control Limits				
o-Terphenyl	84	50-150				

Analyte	Result		Spike Level		Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE										
Laboratory ID:	08-223-01									
	ORIG	DUP								
Diesel Range	ND	ND	NA	NA		NA	NA	NA	40	
Lube Oil Range	ND	ND	NA	NA		NA	NA	NA	40	
Surrogate:										
o-Terphenyl						82	79	50-150		



Date of Report: August 20, 2024
 Samples Submitted: August 19, 2024
 Laboratory Reference: 2408-223
 Project: 295062

% MOISTURE

Client ID	Lab ID	% Moisture	Date Analyzed
E1-28B-10	08-223-01	16	8-19-24
E1-29B-10	08-223-02	16	8-19-24
E1-30B-10	08-223-03	12	8-19-24
E1-31B-10	08-223-04	16	8-19-24
E1-32B-10	08-223-05	16	8-19-24
E1-33PWN-5	08-223-06	22	8-19-24
E1-34PWS-5	08-223-07	17	8-19-24
E1-35PWE-5	08-223-08	14	8-19-24
E1-36PWW-5	08-223-09	24	8-19-24
E1-37B-6	08-223-10	18	8-19-24





Data Qualifiers and Abbreviations

- A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.
- B - The analyte indicated was also found in the blank sample.
- C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.
- E - The value reported exceeds the quantitation range and is an estimate.
- F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.
- H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.
- I - Compound recovery is outside of the control limits.
- J - The value reported was below the practical quantitation limit. The value is an estimate.
- K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.
- L - The RPD is outside of the control limits.
- M - Hydrocarbons in the gasoline range are impacting the diesel range result.
- M1 - Hydrocarbons in the gasoline range (toluene-naphthalene) are present in the sample.
- N - Hydrocarbons in the lube oil range are impacting the diesel range result.
- N1 - Hydrocarbons in diesel range are impacting lube oil range results.
- O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.
- P - The RPD of the detected concentrations between the two columns is greater than 40.
- Q - Surrogate recovery is outside of the control limits.
- S - Surrogate recovery data is not available due to the necessary dilution of the sample.
- T - The sample chromatogram is not similar to a typical _____.
- U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
- U1 - The practical quantitation limit is elevated due to interferences present in the sample.
- V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.
- W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.
- X - Sample extract treated with a mercury cleanup procedure.
- X1 - Sample extract treated with a sulfuric acid/silica gel cleanup procedure.
- X2 - Sample extract treated with a silica gel cleanup procedure.
- Y - The calibration verification for this analyte exceeded the 20% drift specified in methods 8260 & 8270, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.
- Y1 - Negative effects of the matrix from this sample on the instrument caused values for this analyte in the bracketing continuing calibration verification standard (CCVs) to be outside of 20% acceptance criteria. Because of this, quantitation limits and sample concentrations should be considered estimates.
- Z -
- ND - Not Detected at PQL
- PQL - Practical Quantitation Limit
- RPD - Relative Percent Difference



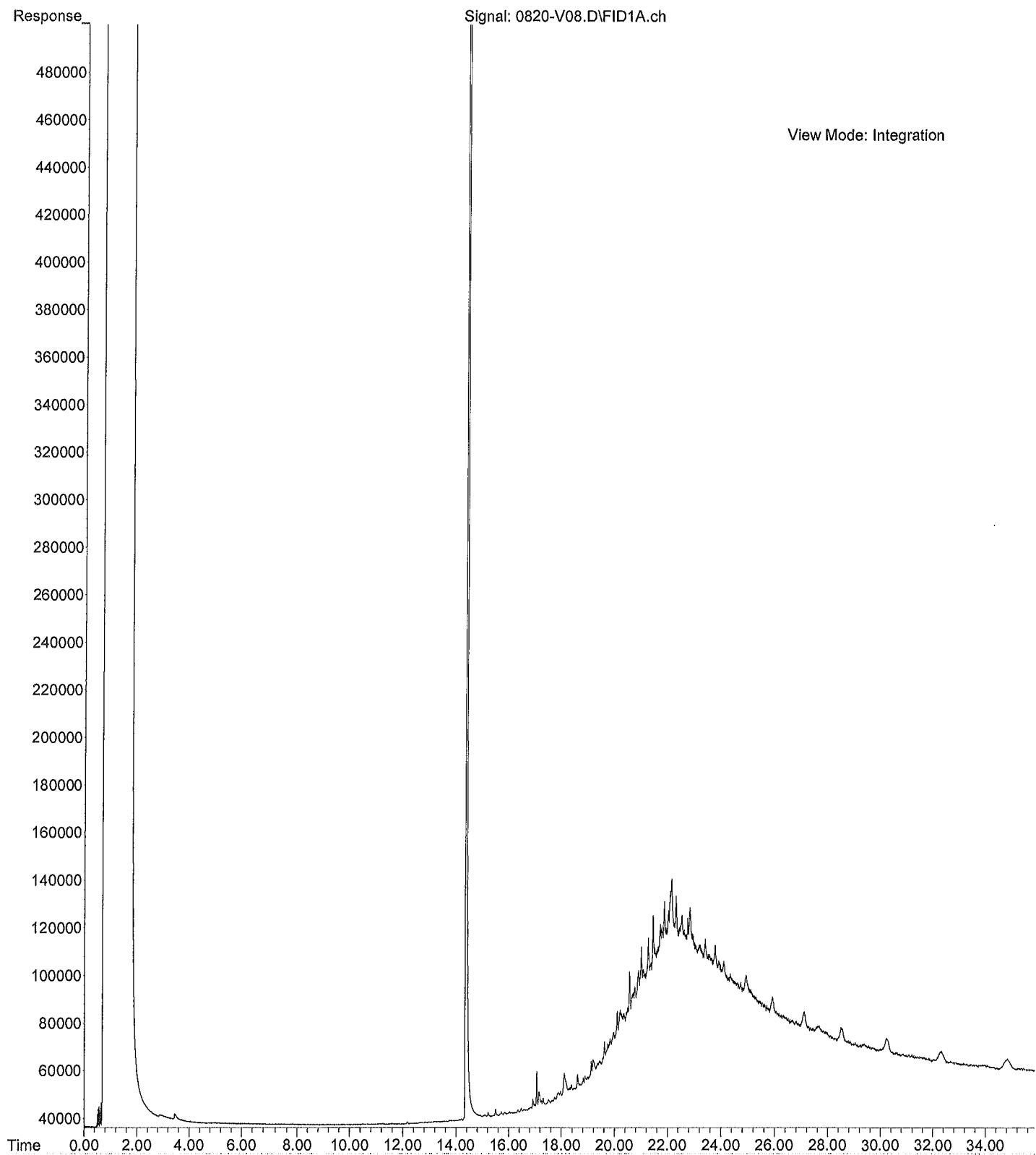


Chain of Custody

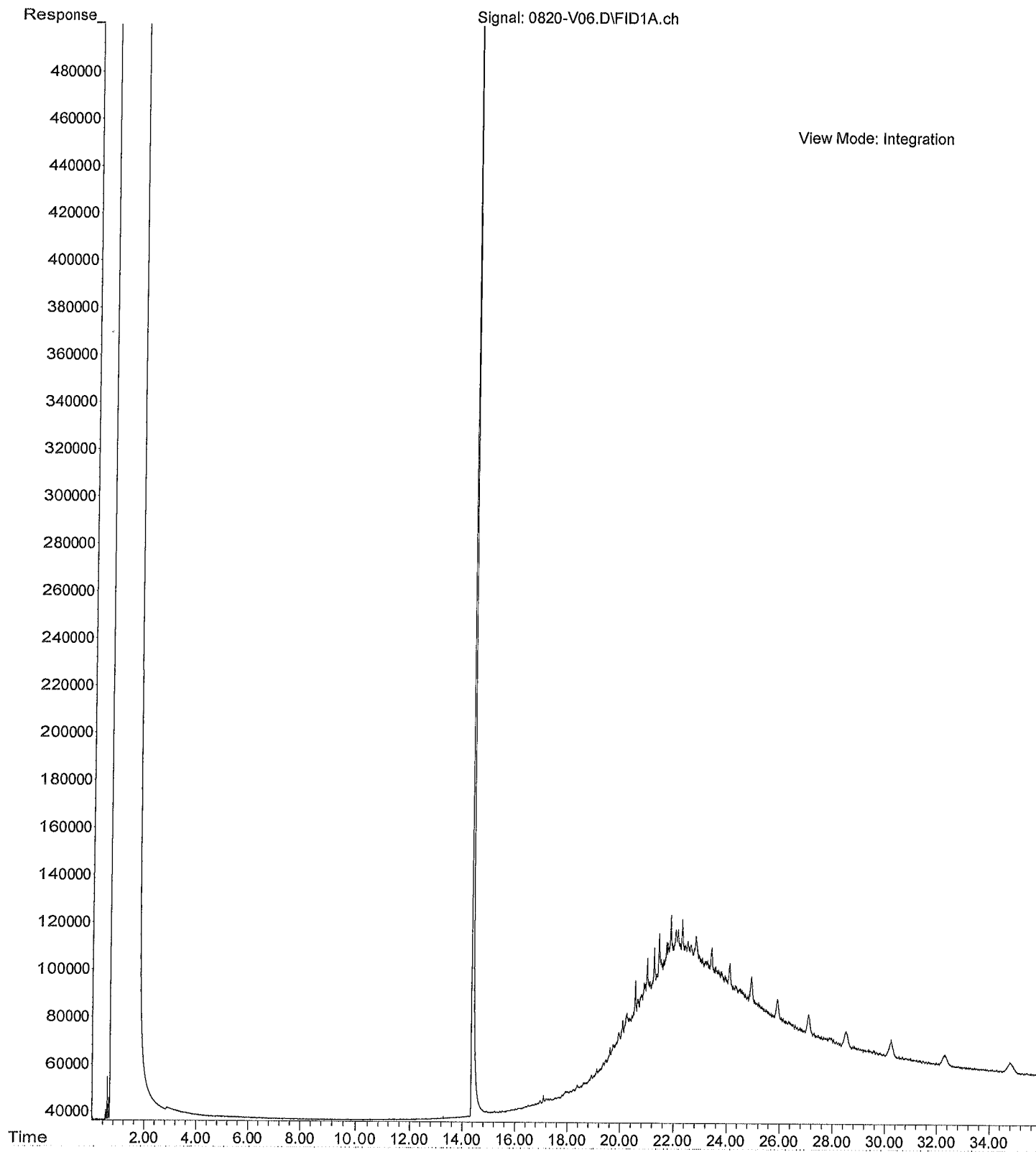
Page 4 of 1

Company: <u>CDL Smith</u>		(Check One)													
Project Number: <u>295062</u>		<input checked="" type="checkbox"/> Same Day <input checked="" type="checkbox"/> 2 Days <input type="checkbox"/> 3 Days													
Project Name: <u>Merger Island - Kingman</u>		<input type="checkbox"/> Standard (7 Days)													
Project Manager: <u>A. Welton</u>		<input type="checkbox"/> (other) _____													
Sampled by: <u>M. Simer</u>															
Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers										
1	E1-28B-10	8/19	1330	SO	1	NWTPH-HCID									
2	E1-29B-10		1335			NWTPH-Gx/BTEX (8021 <input type="checkbox"/> 8260 <input 10"="" type="checkbox/>)</td></tr><tr><td>3</td><td>E1-30B-10</td><td></td><td>1340</td><td></td><td></td><td colspan="/> NWTPH-Gx									
4	E1-31B-10		1345			NWTPH-Dx (SG Clean-up <input 10"="" type="checkbox/>)</td></tr><tr><td>5</td><td>E1-32B-10</td><td></td><td>1350</td><td></td><td></td><td colspan="/> Volatiles 8260									
6	E1-33B-10		1400			Halogenated Volatiles 8260									
7	E1-34B-10		1405			EDB EPA 8011 (Waters Only)									
8	E1-35B-10		1410			Semivolatiles 8270/SIM (with low-level PAHs)									
9	E1-36B-10		1415			PAHs 8270/SIM (low-level)									
10	E1-37B-10		1420			PCBs 8082									
						Organochlorine Pesticides 8081									
						Organophosphorus Pesticides 8270/SIM									
						Chlorinated Acid Herbicides 8151									
						Total RCRA Metals									
						Total MTCA Metals									
						TCLP Metals									
						HEM (oil and grease) 1664									
						% Moisture									
Relinquished		Signature	Company	Date	Time	Comments/Special Instructions									
Received			CDL Smith	8/19	1551	Run/prioritize E1-33 through E1-37 over the earlier samples (E1-28B through E1-32B)									
Relinquished															
Received															
Relinquished															
Received															
Relinquished															
Reviewed/Date						Data Package: Standard <input type="checkbox"/> Level III <input type="checkbox"/> Level IV <input type="checkbox"/>									
Reviewed/Date						Chromatograms with final report <input type="checkbox"/> Electronic Data Deliverables (EDDs) <input type="checkbox"/>									

File :X:\DIESELS\Vigo\Data\V240820\0820-V08.D
Operator : LW
Acquired : 20 Aug 2024 14:07 using AcqMethod V230830F.M
Instrument : Vigo
Sample Name: 08-223-06
Misc Info : Sample
Vial Number: 8



File :X:\DIESELS\Vigo\Data\V240820\0820-V06.D
Operator : LW
Acquired : 20 Aug 2024 12:46 using AcqMethod V230830F.M
Instrument : Vigo
Sample Name: 08-223-10 5X
Misc Info : Sample
Vial Number: 6





14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

September 20, 2024

August Welch
CDM Smith, Inc.
14432 SE Eastgate Way, Suite 100
Bellevue, WA 98007-6493

Re: Analytical Data for Project 295062
Laboratory Reference No. 2409-244

Dear August:

Enclosed are the analytical results and associated quality control data for samples submitted on September 19, 2024.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

A handwritten signature in black ink, appearing to read "DeB" followed by a stylized flourish.

David Baumeister
Project Manager

Enclosures



OnSite Environmental, Inc. 14648 NE 95th Street, Redmond, WA 98052 (425) 883-3881

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: September 20, 2024
Samples Submitted: September 19, 2024
Laboratory Reference: 2409-244
Project: 295062

Case Narrative

Samples were collected on September 19, 2024 and received by the laboratory on September 19, 2024. They were maintained at the laboratory at a temperature of 2°C to 6°C.

Please note that any and all soil sample results are reported on a dry-weight basis, unless otherwise noted below. However the soil results for the QA/QC samples are reported on a wet-weight basis.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.



Date of Report: September 20, 2024
 Samples Submitted: September 19, 2024
 Laboratory Reference: 2409-244
 Project: 295062

**DIESEL AND HEAVY OIL RANGE ORGANICS
 NWTPH-Dx**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	E1-49 SWW-5					
Laboratory ID:	09-244-01					
Diesel Range Organics	ND	32	NWTPH-Dx	9-20-24	9-20-24	
Lube Oil Range Organics	ND	65	NWTPH-Dx	9-20-24	9-20-24	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	73	50-150				

Client ID:	E1-50 SWW-5					
Laboratory ID:	09-244-02					
Diesel Range Organics	ND	33	NWTPH-Dx	9-20-24	9-20-24	
Lube Oil Range Organics	ND	65	NWTPH-Dx	9-20-24	9-20-24	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	66	50-150				

Client ID:	E1-51 SWW-6					
Laboratory ID:	09-244-03					
Diesel Range Organics	ND	29	NWTPH-Dx	9-20-24	9-20-24	
Lube Oil Range Organics	ND	59	NWTPH-Dx	9-20-24	9-20-24	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	80	50-150				

Client ID:	E1-52 SWW-6					
Laboratory ID:	09-244-04					
Diesel Range Organics	ND	35	NWTPH-Dx	9-20-24	9-20-24	
Lube Oil Range Organics	ND	70	NWTPH-Dx	9-20-24	9-20-24	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	63	50-150				

Client ID:	E1-53 SWW-6					
Laboratory ID:	09-244-05					
Diesel Range Organics	ND	35	NWTPH-Dx	9-20-24	9-20-24	
Lube Oil Range Organics	ND	69	NWTPH-Dx	9-20-24	9-20-24	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	71	50-150				

Client ID:	E1-54 SWW-7					
Laboratory ID:	09-244-06					
Diesel Range Organics	ND	35	NWTPH-Dx	9-20-24	9-20-24	
Lube Oil Range Organics	ND	71	NWTPH-Dx	9-20-24	9-20-24	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	64	50-150				



Date of Report: September 20, 2024
 Samples Submitted: September 19, 2024
 Laboratory Reference: 2409-244
 Project: 295062

**DIESEL AND HEAVY OIL RANGE ORGANICS
 NWTPH-Dx**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	E1-55 SWW-7					
Laboratory ID:	09-244-07					
Diesel Range Organics	ND	35	NWTPH-Dx	9-20-24	9-20-24	
Lube Oil Range Organics	ND	70	NWTPH-Dx	9-20-24	9-20-24	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	69	50-150				

Client ID:	E1-56 SWS-7					
Laboratory ID:	09-244-08					
Diesel Range Organics	ND	35	NWTPH-Dx	9-20-24	9-20-24	
Lube Oil Range Organics	ND	69	NWTPH-Dx	9-20-24	9-20-24	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	68	50-150				

Client ID:	E1-57 SWS-7					
Laboratory ID:	09-244-09					
Diesel Range Organics	ND	34	NWTPH-Dx	9-20-24	9-20-24	
Lube Oil Range Organics	ND	69	NWTPH-Dx	9-20-24	9-20-24	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	69	50-150				

Client ID:	E1-58 SSW-3.5					
Laboratory ID:	09-244-10					
Diesel Range Organics	ND	43	NWTPH-Dx	9-20-24	9-20-24	
Lube Oil Range Organics	ND	86	NWTPH-Dx	9-20-24	9-20-24	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	75	50-150				



Date of Report: September 20, 2024
 Samples Submitted: September 19, 2024
 Laboratory Reference: 2409-244
 Project: 295062

**DIESEL AND HEAVY OIL RANGE ORGANICS
 NWTPH-Dx
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0920S1					
Diesel Range Organics	ND	25	NWTPH-Dx	9-20-24	9-20-24	
Lube Oil Range Organics	ND	50	NWTPH-Dx	9-20-24	9-20-24	
Surrogate:	Percent Recovery	Control Limits				
<i>o</i> -Terphenyl	73	50-150				

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	09-244-03							
	ORIG	DUP						
Diesel Range	ND	ND	NA	NA	NA	NA	NA	40
Lube Oil Range	ND	ND	NA	NA	NA	NA	NA	40
Surrogate:								
<i>o</i> -Terphenyl				80	72	50-150		



Date of Report: September 20, 2024
 Samples Submitted: September 19, 2024
 Laboratory Reference: 2409-244
 Project: 295062

% MOISTURE

Client ID	Lab ID	% Moisture	Date Analyzed
E1-49 SWW-5	09-244-01	23	9-19-24
E1-50 SWW-5	09-244-02	23	9-19-24
E1-51 SWW-6	09-244-03	15	9-19-24
E1-52 SWW-6	09-244-04	29	9-19-24
E1-53 SWW-6	09-244-05	28	9-19-24
E1-54 SWW-7	09-244-06	29	9-19-24
E1-55 SWW-7	09-244-07	28	9-19-24
E1-56 SWS-7	09-244-08	28	9-19-24
E1-57 SWS-7	09-244-09	27	9-19-24
E1-58 SWW-3.5	09-244-10	42	9-19-24





Data Qualifiers and Abbreviations

- A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.
- B - The analyte indicated was also found in the blank sample.
- C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.
- E - The value reported exceeds the quantitation range and is an estimate.
- F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.
- H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.
- I - Compound recovery is outside of the control limits.
- J - The value reported was below the practical quantitation limit. The value is an estimate.
- K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.
- L - The RPD is outside of the control limits.
- M - Hydrocarbons in the gasoline range are impacting the diesel range result.
- M1 - Hydrocarbons in the gasoline range (toluene-naphthalene) are present in the sample.
- N - Hydrocarbons in the lube oil range are impacting the diesel range result.
- N1 - Hydrocarbons in diesel range are impacting lube oil range results.
- O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.
- P - The RPD of the detected concentrations between the two columns is greater than 40.
- Q - Surrogate recovery is outside of the control limits.
- S - Surrogate recovery data is not available due to the necessary dilution of the sample.
- T - The sample chromatogram is not similar to a typical _____.
- U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
- U1 - The practical quantitation limit is elevated due to interferences present in the sample.
- V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.
- W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.
- X - Sample extract treated with a mercury cleanup procedure.
- X1 - Sample extract treated with a sulfuric acid/silica gel cleanup procedure.
- X2 - Sample extract treated with a silica gel cleanup procedure.
- Y - The calibration verification for this analyte exceeded the 20% drift specified in methods 8260 & 8270, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.
- Y1 - Negative effects of the matrix from this sample on the instrument caused values for this analyte in the bracketing continuing calibration verification standard (CCVs) to be outside of 20% acceptance criteria. Because of this, quantitation limits and sample concentrations should be considered estimates.
- Z -
- ND - Not Detected at PQL
- PQL - Practical Quantitation Limit
- RPD - Relative Percent Difference





Onsite Environmental Inc.
Analytical Laboratory Testing Services
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

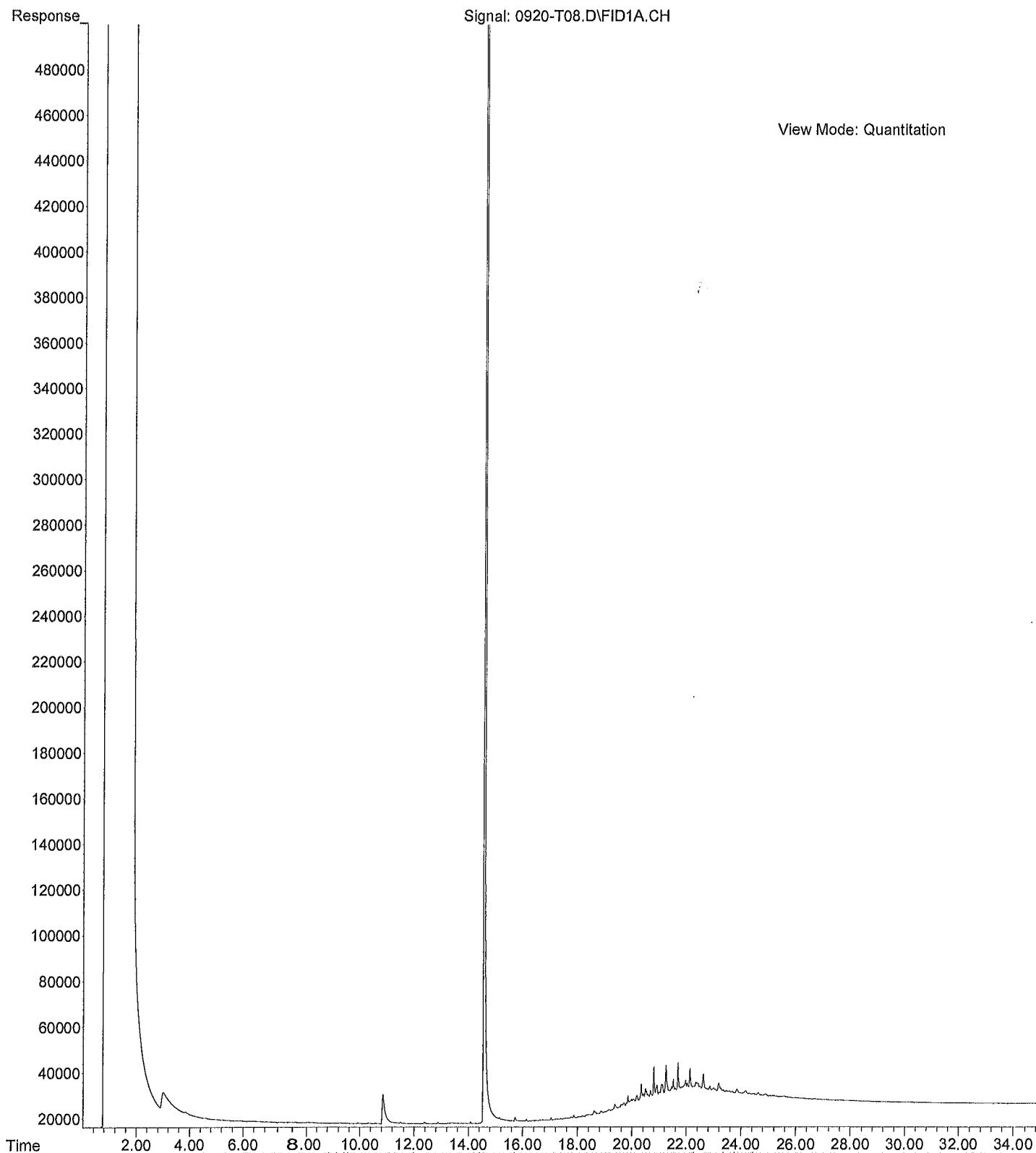
Chain of Custody

Page 1 of 1

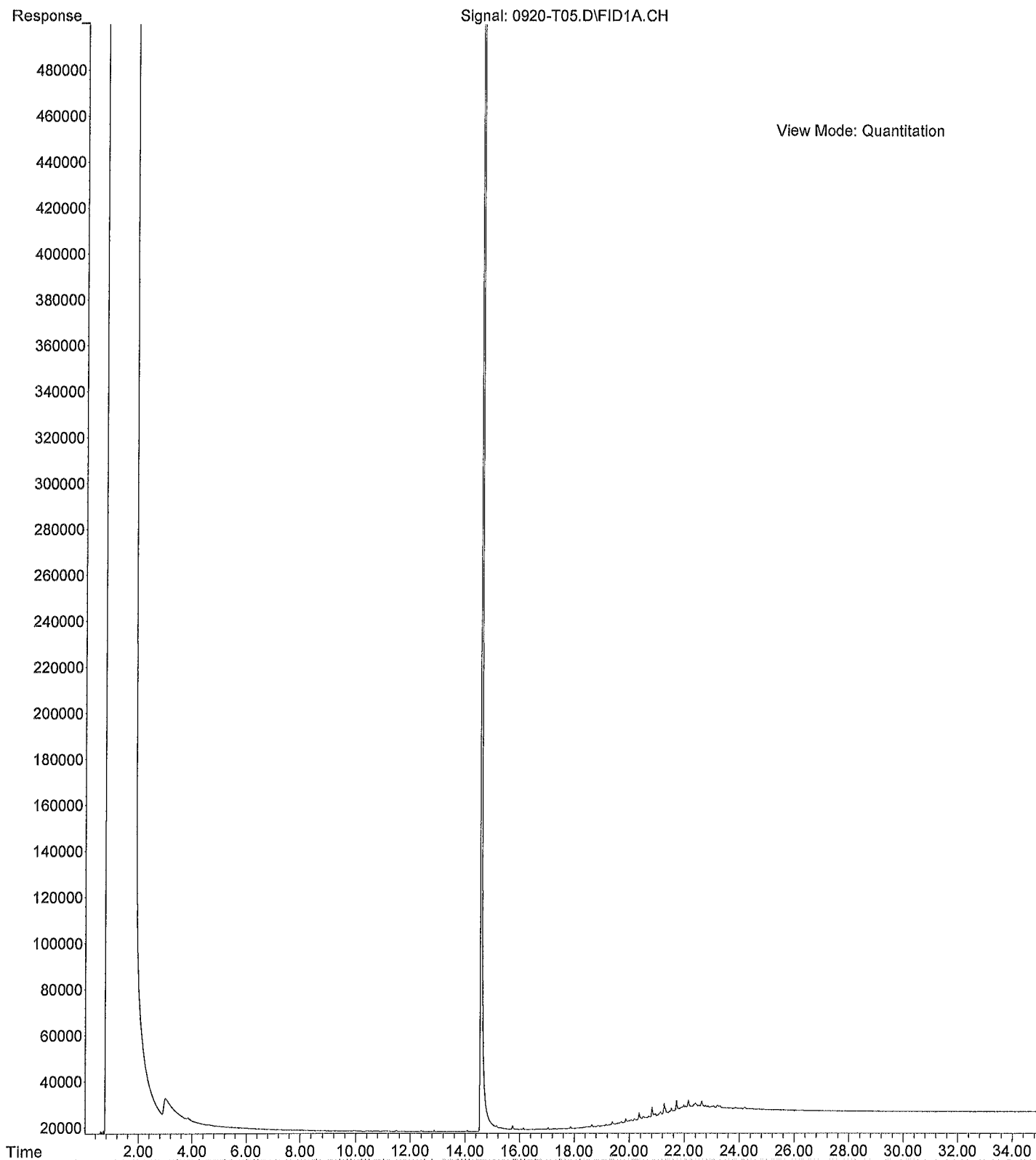
Company: CDM Smith Project Number: 295062 Project Name: Xinghua, Mercer Island Project Manager: A. Welch Sampled by: T. Platt		Turnaround Request (in working days) (Check One) <input type="checkbox"/> Same Day <input checked="" type="checkbox"/> 1 Day <input type="checkbox"/> 2 Days <input type="checkbox"/> 3 Days <input type="checkbox"/> Standard (7 Days) <input type="checkbox"/> (other) _____		Laboratory Number: 09-244													
Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers												
1	EI-49 SWW-5	9/19/24	1240	SO	1												
2	EI-50 SWW-5	9/19/24	1250	SO	1												
3	EI-51 SWW-6	9/19/24	1255	SO	1												
4	EI-52 SWW-6	9/19/24	1300	SO	1												
5	EI-53 SWW-6	9/19/24	1310	SO	1												
6	EI-54 SWW-7	9/19/24	1315	SO	1												
7	EI-55 SWW-7	9/19/24	1320	SO	1												
8	EI-56 SWW-7	9/19/24	1325	SO	1												
9	EI-57 SWW-7	9/19/24	1330	SO	1												
10	EI-58 SWW-3.5	9/19/24	1335	SO	1												
Signature		Company		Date	Time	Comments/Special Instructions											
Relinquished		CDM Smith		9/19/24	1520												
Received		OSI		9/19/24	1520												
Relinquished																	
Received																	
Relinquished																	
Received																	
Reviewed/Date		Reviewed/Date		Data Package: Standard <input type="checkbox"/> Level III <input type="checkbox"/> Level IV <input type="checkbox"/> Chromatograms with final report <input type="checkbox"/> Electronic Data Deliverables (EDDs) <input type="checkbox"/>													

% Moisture

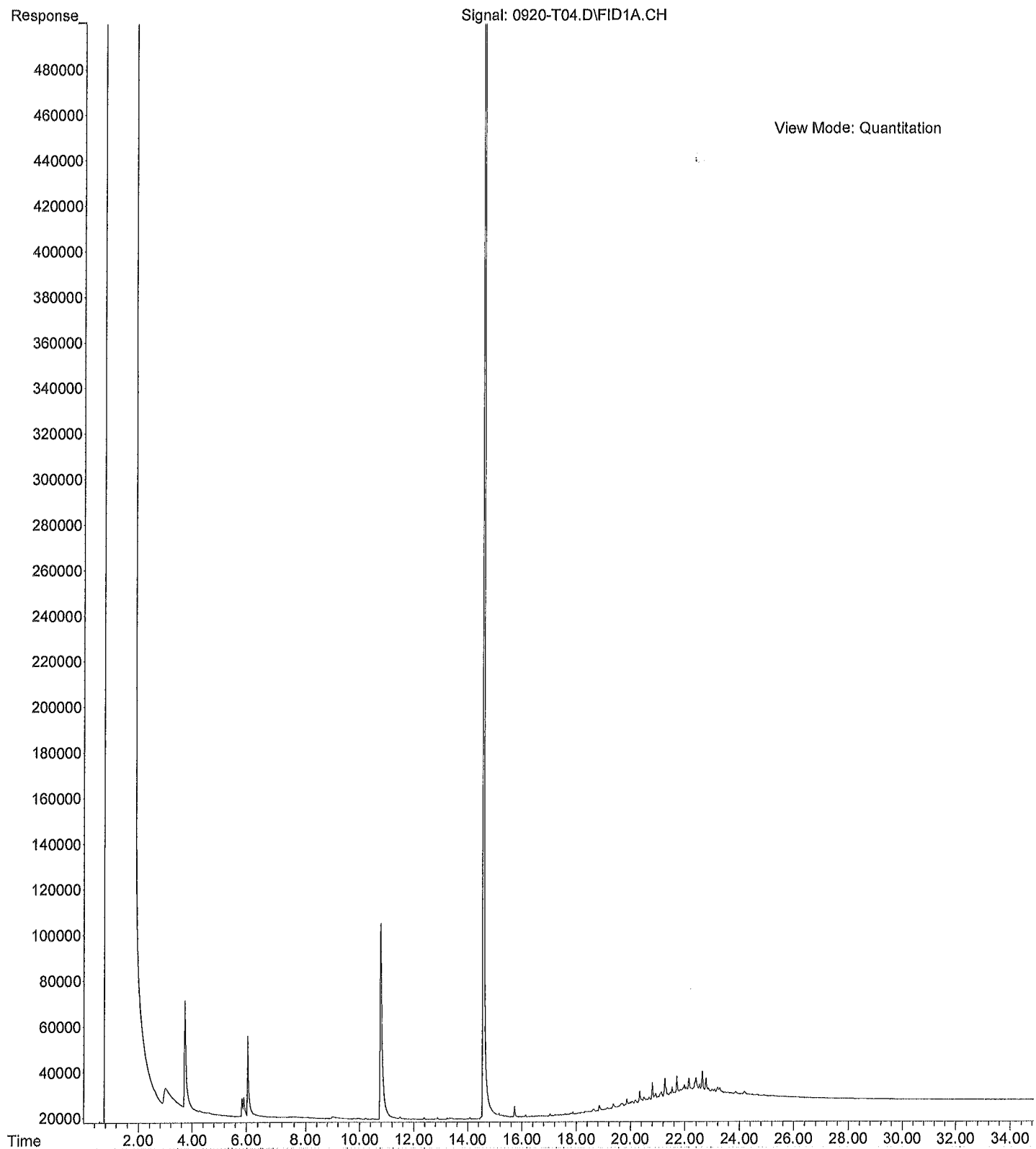
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Instrument : Teri
Sample Name: 09-244-01
Misc Info : Sample
Vial Number: 8



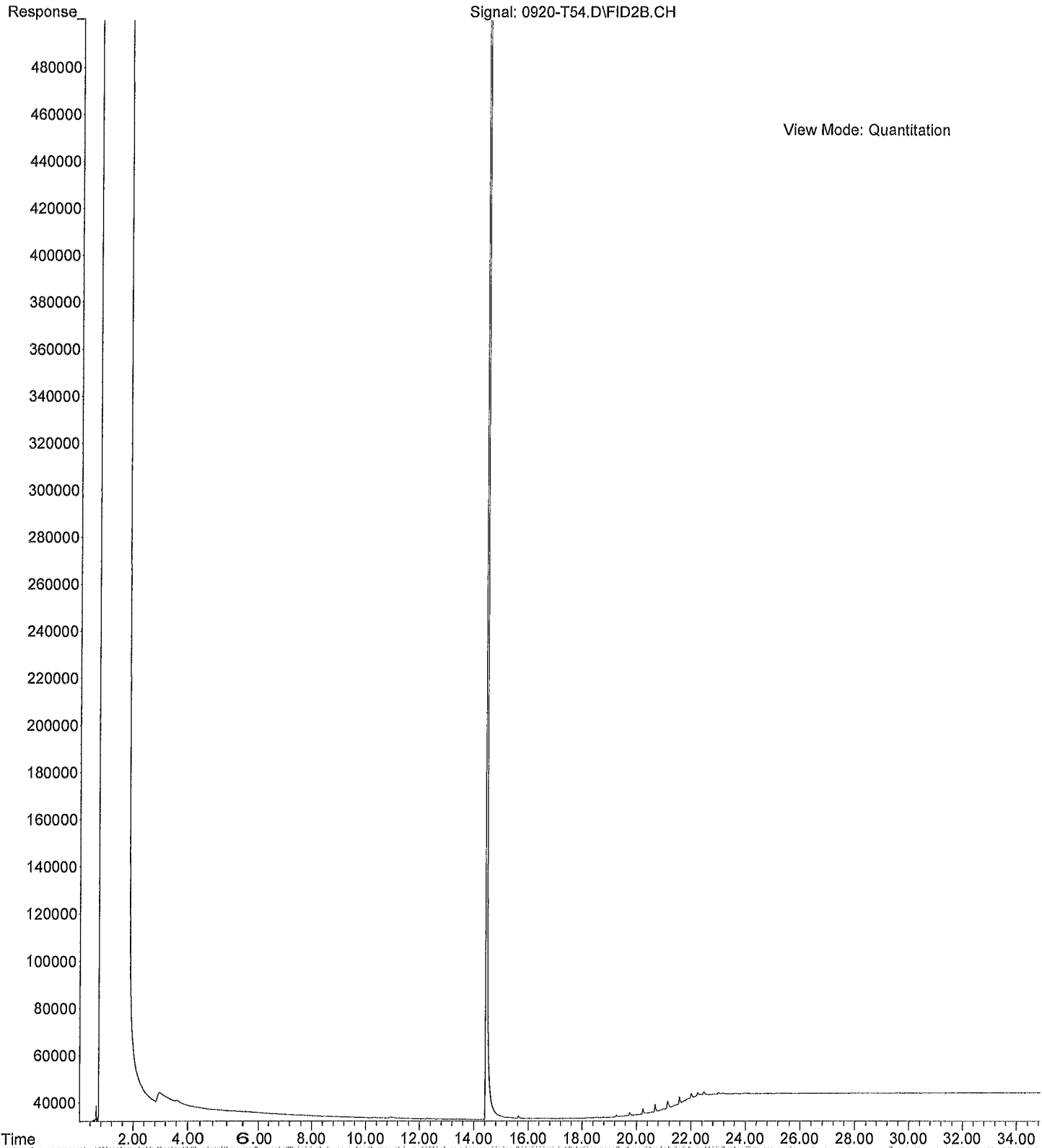
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Instrument : Teri
Sample Name: 09-244-02
Misc Info : Sample
Vial Number: 5



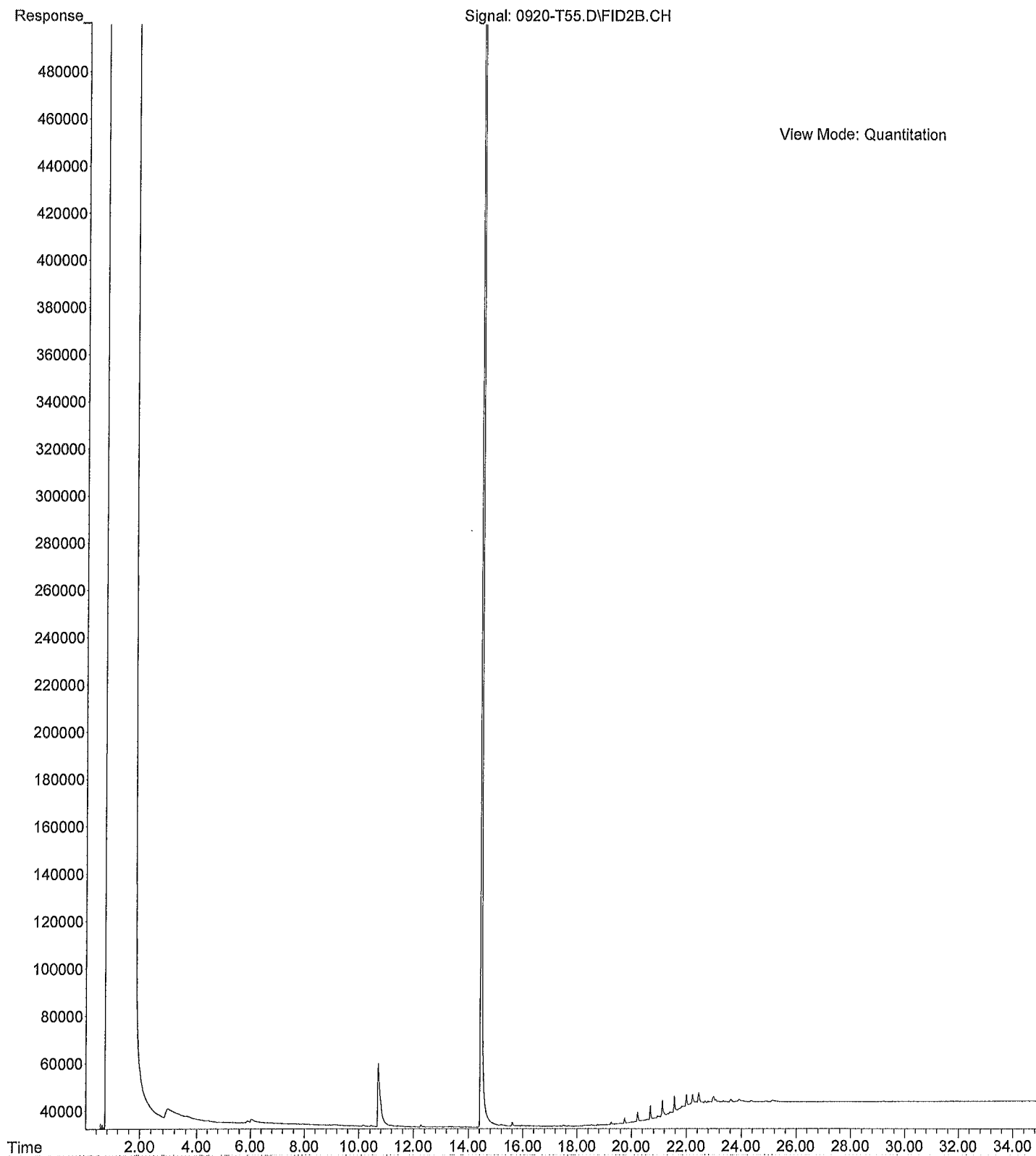
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Instrument : Teri
Sample Name: 09-244-03
Misc Info : Sample
Vial Number: 4



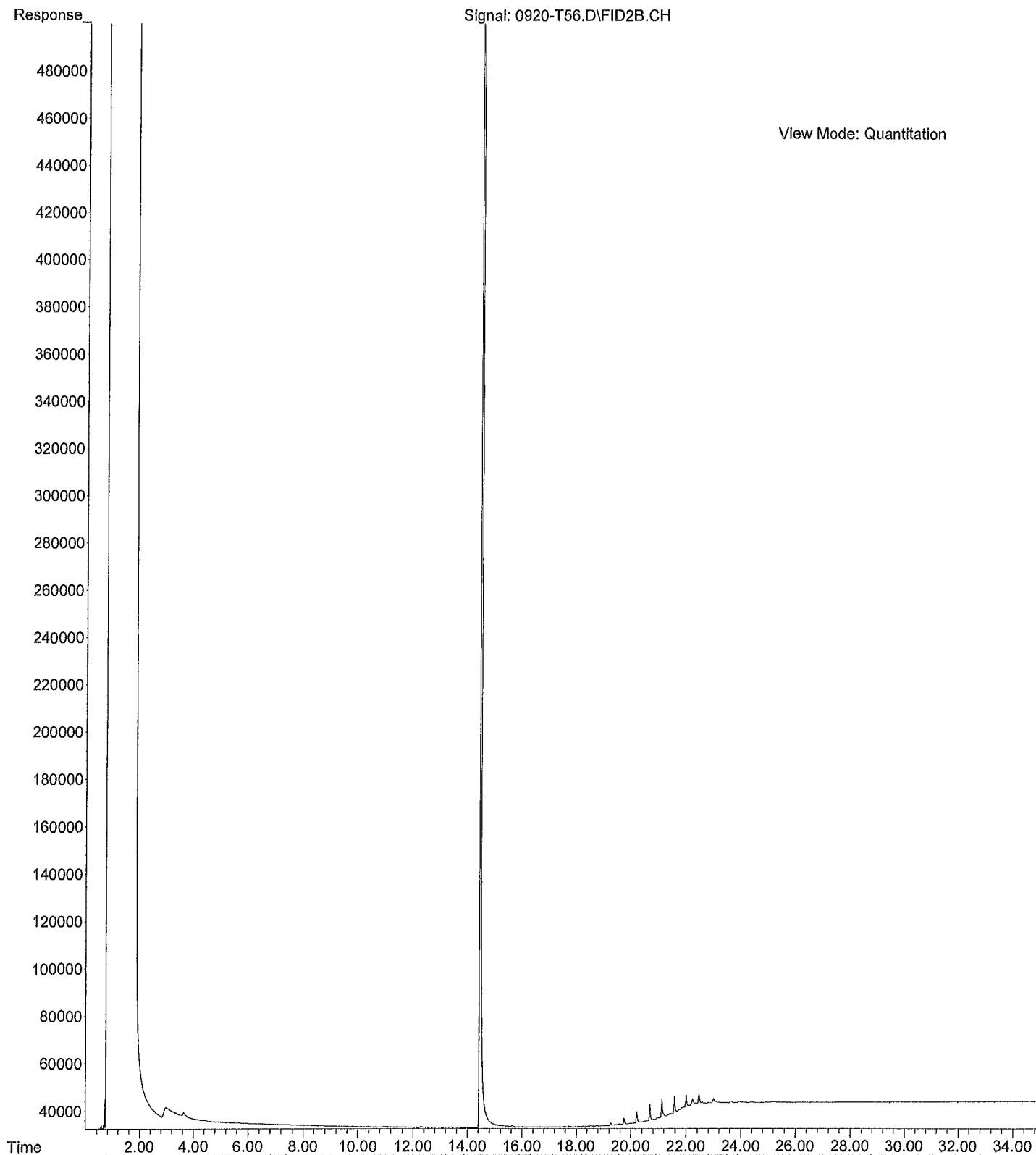
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Acquired : 20 Sep 2024 10:08 using AcqMethod T231127F.M
Instrument : Teri
Sample Name: 09-244-04
Misc Info : RearSamp
Vial Number: 54



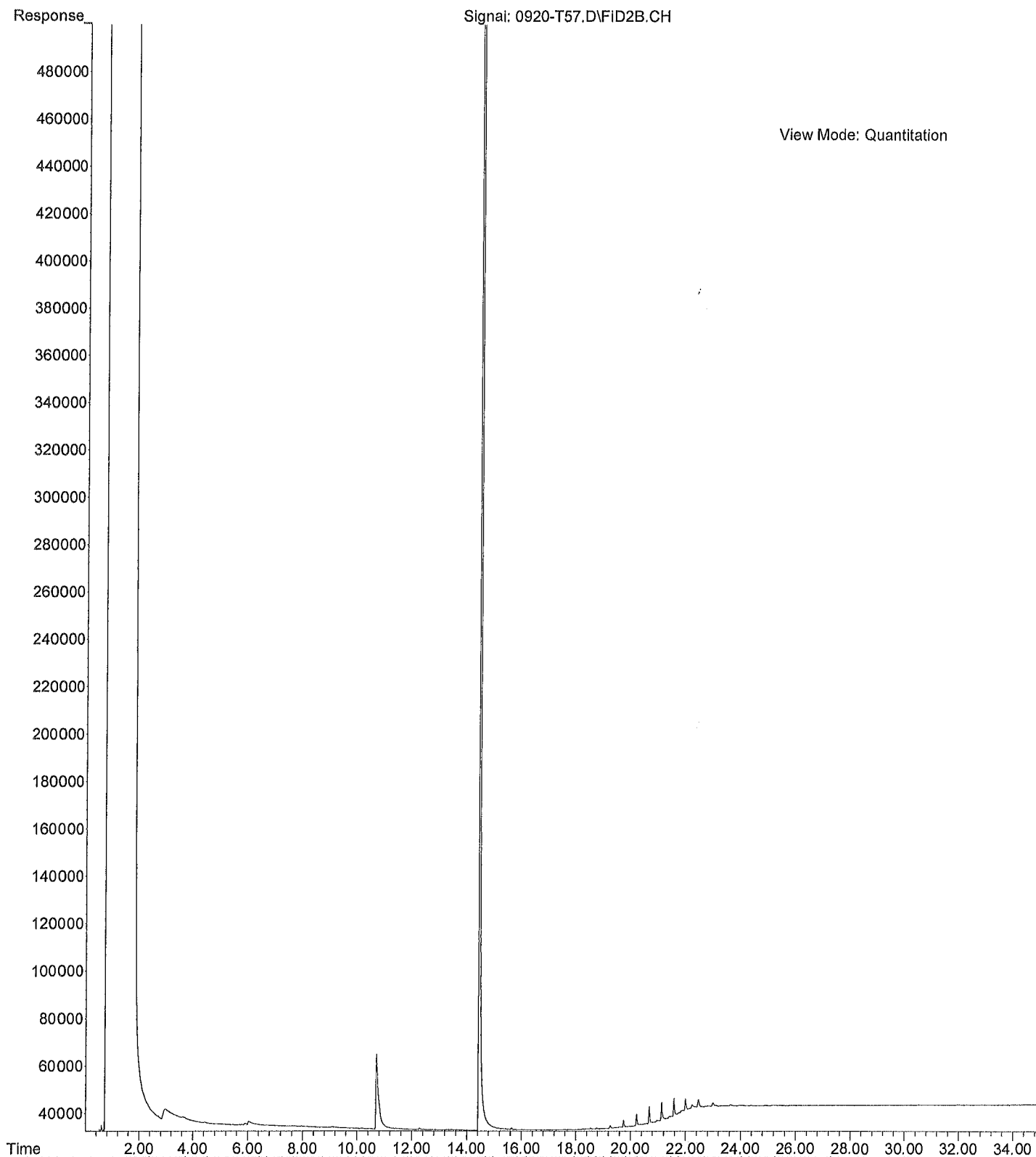
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Instrument : Teri
Sample Name: 09-244-05
Misc Info : RearSamp
Vial Number: 55



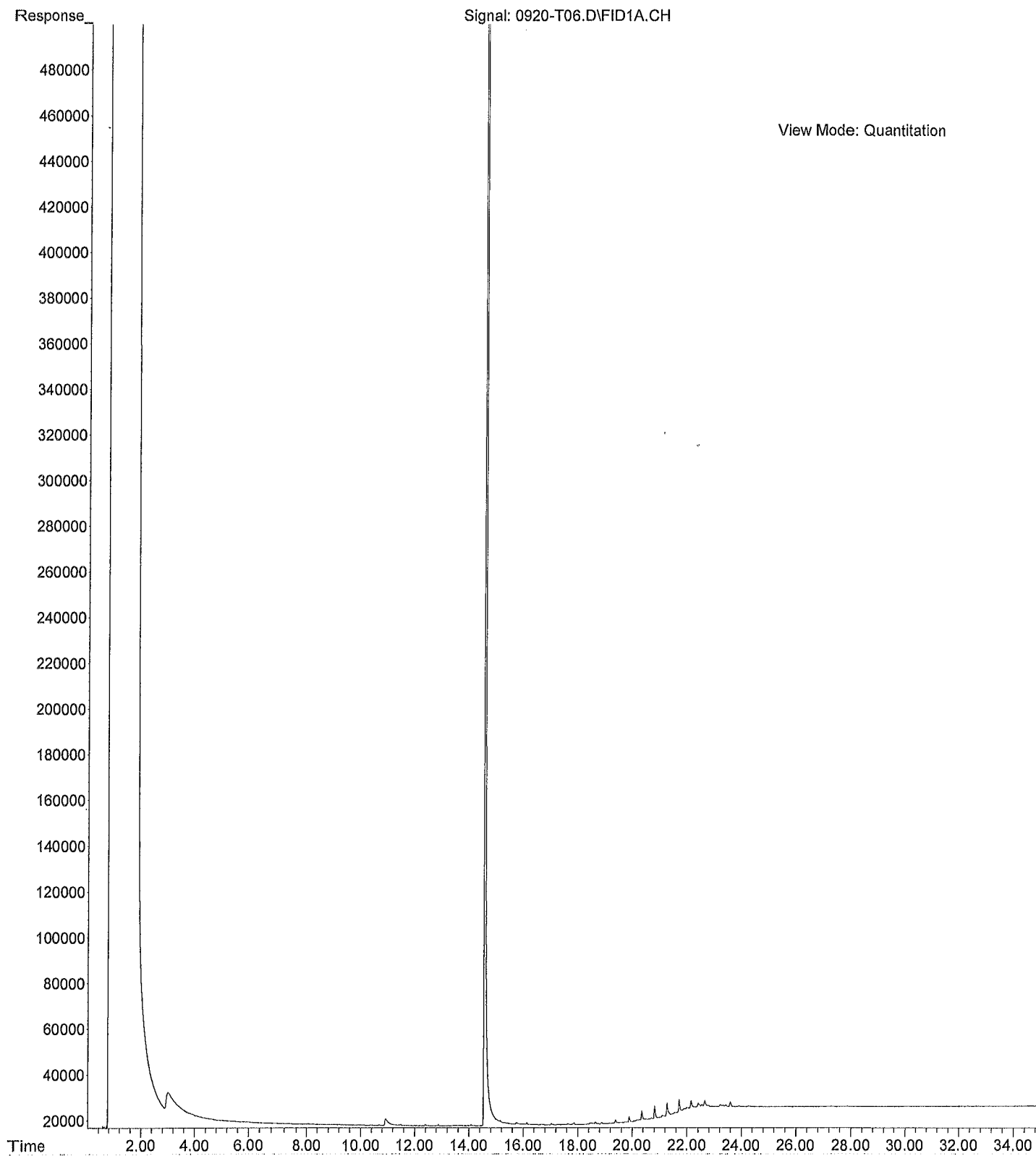
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Operator : LW
Acquired : 20 Sep 2024 11:32 using AcqMethod T231127F.M
Instrument : Teri
Sample Name: 09-244-06
Misc Info : RearSamp
Vial Number: 56



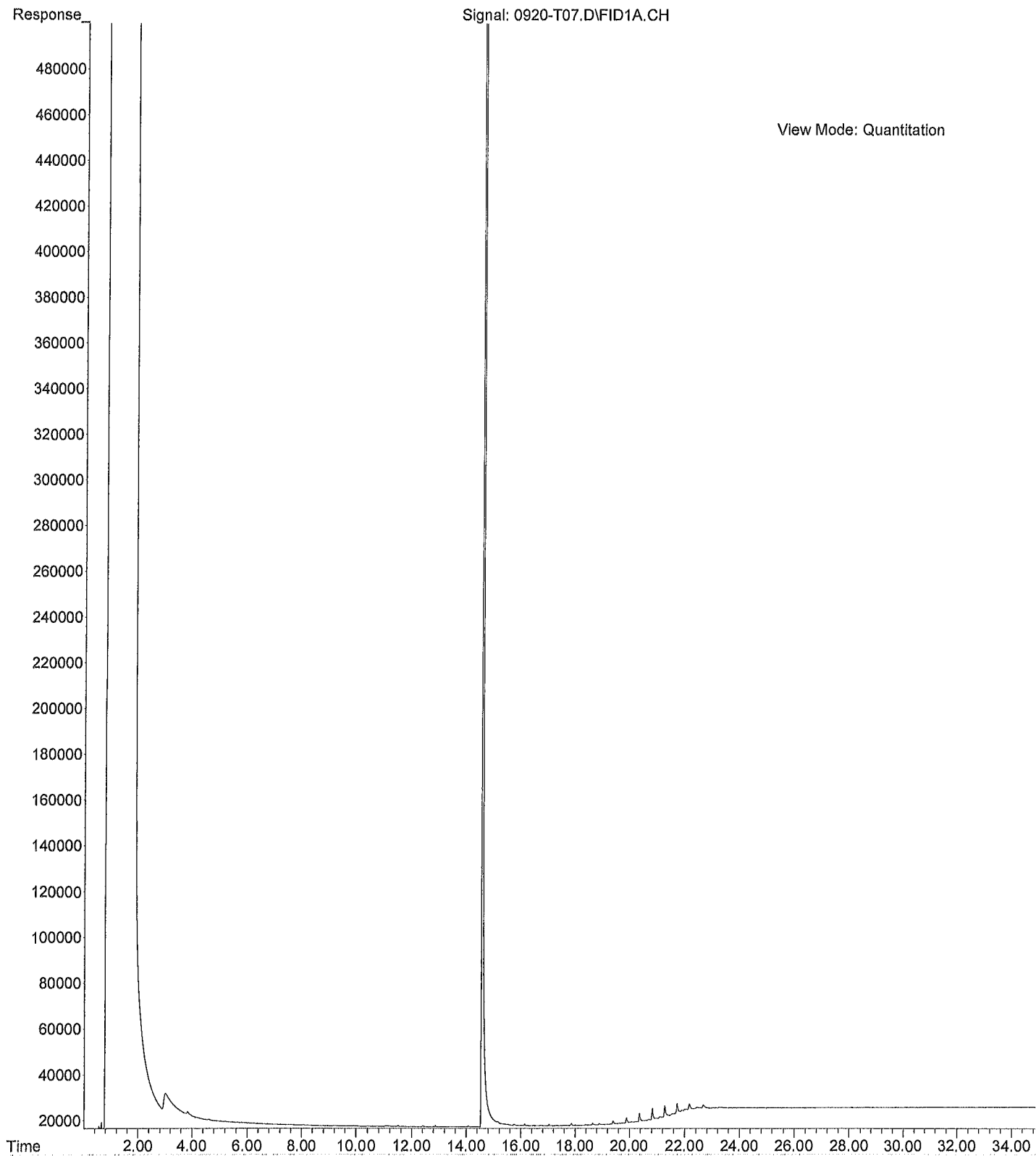
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Operator : LW
Acquired : 20 Sep 2024 12:14 using AcqMethod T231127F.M
Instrument : Teri
Sample Name: 09-244-07
Misc Info : RearSamp
Vial Number: 57



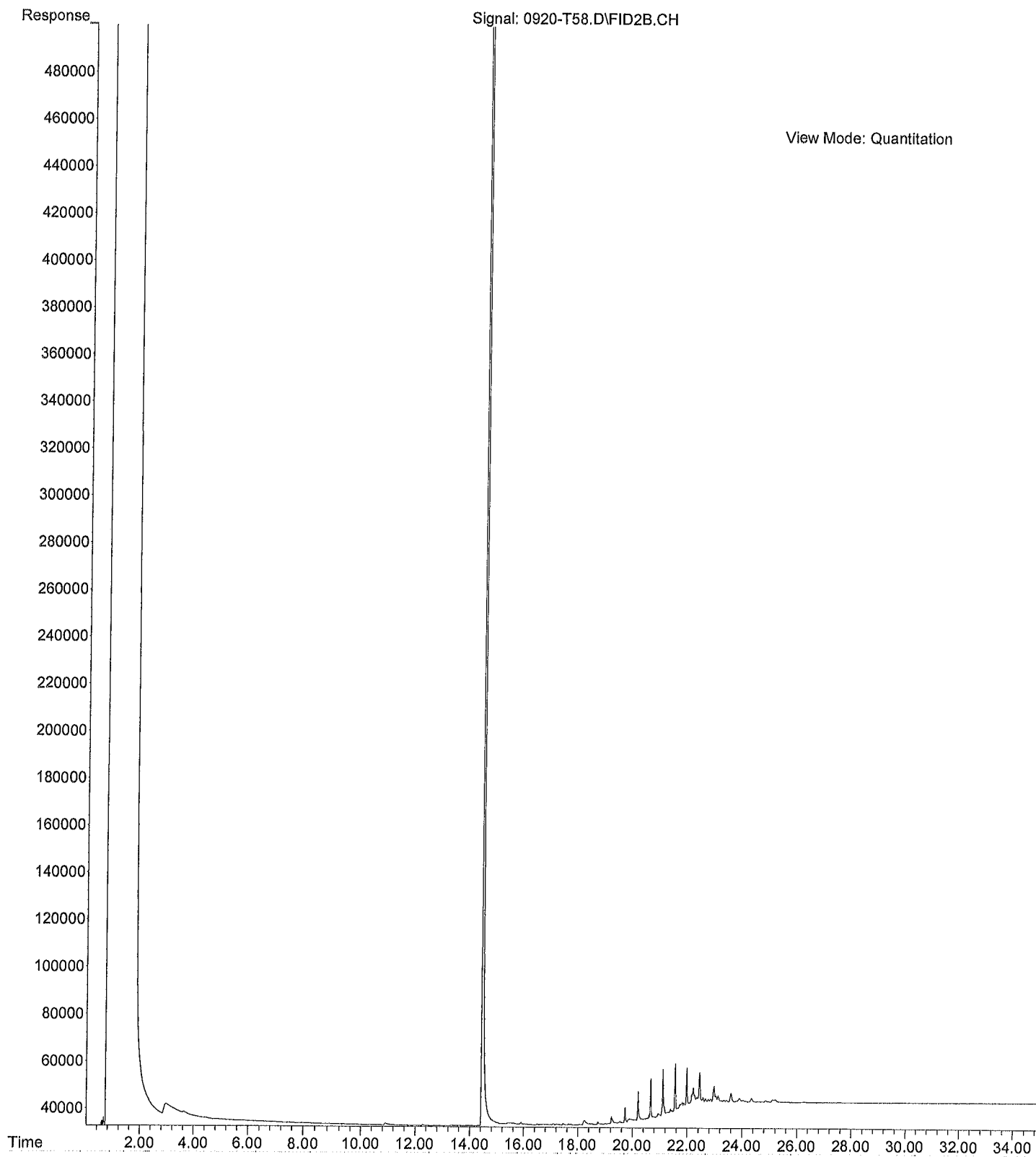
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Operator : LW
Acquired : 20 Sep 2024 11:32 using AcqMethod T231127F.M
Instrument : Teri
Sample Name: 09-244-08
Misc Info : Sample
Vial Number: 6



File :X:\DIESELS\Teri\Data\T240920\0920-T07.D
Operator : LW
Acquired : 20 Sep 2024 12:14 using AcqMethod T231127F.M
Instrument : Teri
Sample Name: 09-244-09
Misc Info : Sample
Vial Number: 7



File :X:\DIESELS\Teri\Data\T240920.SEC\0920-T58.D
Operator : LW
Acquired : 20 Sep 2024 12:59 using AcqMethod T231127F.M
Instrument : Teri
Sample Name: 09-244-10
Misc Info : RearSamp
Vial Number: 58





14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

September 26, 2024

August Welch
CDM Smith, Inc.
14432 SE Eastgate Way, Suite 100
Bellevue, WA 98007-6493

Re: Analytical Data for Project 295062
Laboratory Reference No. 2409-323

Dear August:

Enclosed are the analytical results and associated quality control data for samples submitted on September 25, 2024.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

A handwritten signature in black ink, appearing to read 'DB', with a long horizontal stroke extending to the right.

David Baumeister
Project Manager

Enclosures



OnSite Environmental, Inc. 14648 NE 95th Street, Redmond, WA 98052 (425) 883-3881

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: September 26, 2024
Samples Submitted: September 25, 2024
Laboratory Reference: 2409-323
Project: 295062

Case Narrative

Samples were collected on September 25, 2024 and received by the laboratory on September 25, 2024. They were maintained at the laboratory at a temperature of 2°C to 6°C.

Please note that any and all soil sample results are reported on a dry-weight basis, unless otherwise noted below. However the soil results for the QA/QC samples are reported on a wet-weight basis.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.



Date of Report: September 26, 2024
 Samples Submitted: September 25, 2024
 Laboratory Reference: 2409-323
 Project: 295062

**DIESEL AND HEAVY OIL RANGE ORGANICS
 NWTPH-Dx**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	CID-1-B-7					
Laboratory ID:	09-323-01					
Diesel Range Organics	ND	35	NWTPH-Dx	9-26-24	9-26-24	
Lube Oil Range Organics	ND	71	NWTPH-Dx	9-26-24	9-26-24	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	74	50-150				

Client ID:	CID-2-B-7					
Laboratory ID:	09-323-02					
Diesel Range Organics	ND	29	NWTPH-Dx	9-26-24	9-26-24	
Lube Oil Range Organics	ND	59	NWTPH-Dx	9-26-24	9-26-24	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	72	50-150				

Client ID:	CID-3-SW-5					
Laboratory ID:	09-323-03					
Diesel Range Organics	ND	29	NWTPH-Dx	9-26-24	9-26-24	
Lube Oil Range Organics	ND	58	NWTPH-Dx	9-26-24	9-26-24	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	78	50-150				

Client ID:	CID-4-SW-5					
Laboratory ID:	09-323-04					
Diesel Range Organics	ND	28	NWTPH-Dx	9-26-24	9-26-24	
Lube Oil Range Organics	ND	55	NWTPH-Dx	9-26-24	9-26-24	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	76	50-150				

Client ID:	CID-5-SW-5					
Laboratory ID:	09-323-05					
Diesel Range Organics	ND	33	NWTPH-Dx	9-26-24	9-26-24	
Lube Oil Range Organics	ND	65	NWTPH-Dx	9-26-24	9-26-24	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	76	50-150				

Client ID:	CID-6-SW-5					
Laboratory ID:	09-323-06					
Diesel Range Organics	ND	35	NWTPH-Dx	9-26-24	9-26-24	
Lube Oil Range Organics	ND	70	NWTPH-Dx	9-26-24	9-26-24	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	67	50-150				



Date of Report: September 26, 2024
 Samples Submitted: September 25, 2024
 Laboratory Reference: 2409-323
 Project: 295062

**DIESEL AND HEAVY OIL RANGE ORGANICS
 NWTPH-Dx
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0926S1					
Diesel Range Organics	ND	25	NWTPH-Dx	9-26-24	9-26-24	
Lube Oil Range Organics	ND	50	NWTPH-Dx	9-26-24	9-26-24	
Surrogate:	Percent Recovery	Control Limits				
o-Terphenyl	74	50-150				

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	09-323-02							
	ORIG	DUP						
Diesel Range	ND	ND	NA	NA	NA	NA	40	
Lube Oil Range	ND	ND	NA	NA	NA	NA	40	
Surrogate:								
o-Terphenyl				72	69	50-150		



Date of Report: September 26, 2024
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 Project: 295062

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Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	CID-1-B-7					
Laboratory ID:	09-323-01					
Dichlorodifluoromethane	ND	0.0019	EPA 8260D	9-25-24	9-25-24	
Chloromethane	ND	0.0074	EPA 8260D	9-25-24	9-25-24	
Vinyl Chloride	ND	0.0015	EPA 8260D	9-25-24	9-25-24	
Bromomethane	ND	0.0074	EPA 8260D	9-25-24	9-25-24	
Chloroethane	ND	0.0074	EPA 8260D	9-25-24	9-25-24	
Trichlorofluoromethane	ND	0.0015	EPA 8260D	9-25-24	9-25-24	
1,1-Dichloroethene	ND	0.0015	EPA 8260D	9-25-24	9-25-24	
Acetone	ND	0.015	EPA 8260D	9-25-24	9-25-24	
Iodomethane	ND	0.015	EPA 8260D	9-25-24	9-25-24	
Carbon Disulfide	ND	0.0021	EPA 8260D	9-25-24	9-25-24	
Methylene Chloride	ND	0.0074	EPA 8260D	9-25-24	9-25-24	
(trans) 1,2-Dichloroethene	ND	0.0015	EPA 8260D	9-25-24	9-25-24	
Methyl t-Butyl Ether	ND	0.0015	EPA 8260D	9-25-24	9-25-24	
1,1-Dichloroethane	ND	0.0015	EPA 8260D	9-25-24	9-25-24	
Vinyl Acetate	ND	0.0074	EPA 8260D	9-25-24	9-25-24	
2,2-Dichloropropane	ND	0.0015	EPA 8260D	9-25-24	9-25-24	
(cis) 1,2-Dichloroethene	ND	0.0015	EPA 8260D	9-25-24	9-25-24	
2-Butanone	ND	0.0074	EPA 8260D	9-25-24	9-25-24	
Bromochloromethane	ND	0.0015	EPA 8260D	9-25-24	9-25-24	
Chloroform	ND	0.0015	EPA 8260D	9-25-24	9-25-24	
1,1,1-Trichloroethane	ND	0.0015	EPA 8260D	9-25-24	9-25-24	
Carbon Tetrachloride	ND	0.0015	EPA 8260D	9-25-24	9-25-24	
1,1-Dichloropropene	ND	0.0015	EPA 8260D	9-25-24	9-25-24	
Benzene	ND	0.0015	EPA 8260D	9-25-24	9-25-24	
1,2-Dichloroethane	ND	0.0015	EPA 8260D	9-25-24	9-25-24	
Trichloroethene	ND	0.0015	EPA 8260D	9-25-24	9-25-24	
1,2-Dichloropropane	ND	0.0015	EPA 8260D	9-25-24	9-25-24	
Dibromomethane	ND	0.0015	EPA 8260D	9-25-24	9-25-24	
Bromodichloromethane	ND	0.0015	EPA 8260D	9-25-24	9-25-24	
2-Chloroethyl Vinyl Ether	ND	0.0074	EPA 8260D	9-25-24	9-25-24	
(cis) 1,3-Dichloropropene	ND	0.0015	EPA 8260D	9-25-24	9-25-24	
Methyl Isobutyl Ketone	ND	0.0074	EPA 8260D	9-25-24	9-25-24	
Toluene	ND	0.0074	EPA 8260D	9-25-24	9-25-24	



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Date of Report: September 26, 2024
 Samples Submitted: September 25, 2024
 Laboratory Reference: 2409-323
 Project: 295062

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	CID-1-B-7					
Laboratory ID:	09-323-01					
(trans) 1,3-Dichloropropene	ND	0.0015	EPA 8260D	9-25-24	9-25-24	
1,1,2-Trichloroethane	ND	0.0015	EPA 8260D	9-25-24	9-25-24	
Tetrachloroethene	ND	0.0015	EPA 8260D	9-25-24	9-25-24	
1,3-Dichloropropane	ND	0.0015	EPA 8260D	9-25-24	9-25-24	
2-Hexanone	ND	0.0074	EPA 8260D	9-25-24	9-25-24	
Dibromochloromethane	ND	0.0015	EPA 8260D	9-25-24	9-25-24	
1,2-Dibromoethane	ND	0.0015	EPA 8260D	9-25-24	9-25-24	
Chlorobenzene	ND	0.0015	EPA 8260D	9-25-24	9-25-24	
1,1,1,2-Tetrachloroethane	ND	0.0015	EPA 8260D	9-25-24	9-25-24	
Ethylbenzene	ND	0.0015	EPA 8260D	9-25-24	9-25-24	
m,p-Xylene	ND	0.0030	EPA 8260D	9-25-24	9-25-24	
o-Xylene	ND	0.0015	EPA 8260D	9-25-24	9-25-24	
Styrene	ND	0.0015	EPA 8260D	9-25-24	9-25-24	
Bromoform	ND	0.0074	EPA 8260D	9-25-24	9-25-24	
Isopropylbenzene	ND	0.0015	EPA 8260D	9-25-24	9-25-24	
Bromobenzene	ND	0.0015	EPA 8260D	9-25-24	9-25-24	
1,1,2,2-Tetrachloroethane	ND	0.0015	EPA 8260D	9-25-24	9-25-24	
1,2,3-Trichloropropane	ND	0.0015	EPA 8260D	9-25-24	9-25-24	
n-Propylbenzene	ND	0.0015	EPA 8260D	9-25-24	9-25-24	
2-Chlorotoluene	ND	0.0015	EPA 8260D	9-25-24	9-25-24	
4-Chlorotoluene	ND	0.0015	EPA 8260D	9-25-24	9-25-24	
1,3,5-Trimethylbenzene	ND	0.0015	EPA 8260D	9-25-24	9-25-24	
tert-Butylbenzene	ND	0.0015	EPA 8260D	9-25-24	9-25-24	
1,2,4-Trimethylbenzene	ND	0.0015	EPA 8260D	9-25-24	9-25-24	
sec-Butylbenzene	ND	0.0015	EPA 8260D	9-25-24	9-25-24	
1,3-Dichlorobenzene	ND	0.0015	EPA 8260D	9-25-24	9-25-24	
p-Isopropyltoluene	ND	0.0015	EPA 8260D	9-25-24	9-25-24	
1,4-Dichlorobenzene	ND	0.0015	EPA 8260D	9-25-24	9-25-24	
1,2-Dichlorobenzene	ND	0.0015	EPA 8260D	9-25-24	9-25-24	
n-Butylbenzene	ND	0.0015	EPA 8260D	9-25-24	9-25-24	
1,2-Dibromo-3-chloropropane	ND	0.0074	EPA 8260D	9-25-24	9-25-24	
1,2,4-Trichlorobenzene	ND	0.0015	EPA 8260D	9-25-24	9-25-24	
Hexachlorobutadiene	ND	0.0074	EPA 8260D	9-25-24	9-25-24	
Naphthalene	ND	0.0074	EPA 8260D	9-25-24	9-25-24	
1,2,3-Trichlorobenzene	ND	0.0015	EPA 8260D	9-25-24	9-25-24	
Surrogate:	Percent Recovery	Control Limits				
Dibromofluoromethane	100	69-124				
Toluene-d8	99	80-118				
4-Bromofluorobenzene	100	75-123				



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Date of Report: September 26, 2024
 Samples Submitted: September 25, 2024
 Laboratory Reference: 2409-323
 Project: 295062

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Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	CID-2-B-7					
Laboratory ID:	09-323-02					
Dichlorodifluoromethane	ND	0.0012	EPA 8260D	9-25-24	9-25-24	
Chloromethane	ND	0.0047	EPA 8260D	9-25-24	9-25-24	
Vinyl Chloride	ND	0.00093	EPA 8260D	9-25-24	9-25-24	
Bromomethane	ND	0.0047	EPA 8260D	9-25-24	9-25-24	
Chloroethane	ND	0.0047	EPA 8260D	9-25-24	9-25-24	
Trichlorofluoromethane	ND	0.00093	EPA 8260D	9-25-24	9-25-24	
1,1-Dichloroethene	ND	0.00093	EPA 8260D	9-25-24	9-25-24	
Acetone	ND	0.0093	EPA 8260D	9-25-24	9-25-24	
Iodomethane	ND	0.0093	EPA 8260D	9-25-24	9-25-24	
Carbon Disulfide	ND	0.0013	EPA 8260D	9-25-24	9-25-24	
Methylene Chloride	ND	0.0047	EPA 8260D	9-25-24	9-25-24	
(trans) 1,2-Dichloroethene	ND	0.00093	EPA 8260D	9-25-24	9-25-24	
Methyl t-Butyl Ether	ND	0.00093	EPA 8260D	9-25-24	9-25-24	
1,1-Dichloroethane	ND	0.00093	EPA 8260D	9-25-24	9-25-24	
Vinyl Acetate	ND	0.0047	EPA 8260D	9-25-24	9-25-24	
2,2-Dichloropropane	ND	0.00093	EPA 8260D	9-25-24	9-25-24	
(cis) 1,2-Dichloroethene	ND	0.00093	EPA 8260D	9-25-24	9-25-24	
2-Butanone	ND	0.0047	EPA 8260D	9-25-24	9-25-24	
Bromochloromethane	ND	0.00093	EPA 8260D	9-25-24	9-25-24	
Chloroform	ND	0.00093	EPA 8260D	9-25-24	9-25-24	
1,1,1-Trichloroethane	ND	0.00093	EPA 8260D	9-25-24	9-25-24	
Carbon Tetrachloride	ND	0.00093	EPA 8260D	9-25-24	9-25-24	
1,1-Dichloropropene	ND	0.00093	EPA 8260D	9-25-24	9-25-24	
Benzene	ND	0.00093	EPA 8260D	9-25-24	9-25-24	
1,2-Dichloroethane	ND	0.00093	EPA 8260D	9-25-24	9-25-24	
Trichloroethene	ND	0.00093	EPA 8260D	9-25-24	9-25-24	
1,2-Dichloropropane	ND	0.00093	EPA 8260D	9-25-24	9-25-24	
Dibromomethane	ND	0.00093	EPA 8260D	9-25-24	9-25-24	
Bromodichloromethane	ND	0.00093	EPA 8260D	9-25-24	9-25-24	
2-Chloroethyl Vinyl Ether	ND	0.0047	EPA 8260D	9-25-24	9-25-24	
(cis) 1,3-Dichloropropene	ND	0.00093	EPA 8260D	9-25-24	9-25-24	
Methyl Isobutyl Ketone	ND	0.0047	EPA 8260D	9-25-24	9-25-24	
Toluene	ND	0.0047	EPA 8260D	9-25-24	9-25-24	



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 Laboratory Reference: 2409-323
 Project: 295062

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	CID-2-B-7					
Laboratory ID:	09-323-02					
(trans) 1,3-Dichloropropene	ND	0.00093	EPA 8260D	9-25-24	9-25-24	
1,1,2-Trichloroethane	ND	0.00093	EPA 8260D	9-25-24	9-25-24	
Tetrachloroethene	ND	0.00093	EPA 8260D	9-25-24	9-25-24	
1,3-Dichloropropane	ND	0.00093	EPA 8260D	9-25-24	9-25-24	
2-Hexanone	ND	0.0047	EPA 8260D	9-25-24	9-25-24	
Dibromochloromethane	ND	0.00093	EPA 8260D	9-25-24	9-25-24	
1,2-Dibromoethane	ND	0.00093	EPA 8260D	9-25-24	9-25-24	
Chlorobenzene	ND	0.00093	EPA 8260D	9-25-24	9-25-24	
1,1,1,2-Tetrachloroethane	ND	0.00093	EPA 8260D	9-25-24	9-25-24	
Ethylbenzene	ND	0.00093	EPA 8260D	9-25-24	9-25-24	
m,p-Xylene	ND	0.0019	EPA 8260D	9-25-24	9-25-24	
o-Xylene	ND	0.00093	EPA 8260D	9-25-24	9-25-24	
Styrene	ND	0.00093	EPA 8260D	9-25-24	9-25-24	
Bromoform	ND	0.0047	EPA 8260D	9-25-24	9-25-24	
Isopropylbenzene	ND	0.00093	EPA 8260D	9-25-24	9-25-24	
Bromobenzene	ND	0.00093	EPA 8260D	9-25-24	9-25-24	
1,1,2,2-Tetrachloroethane	ND	0.00093	EPA 8260D	9-25-24	9-25-24	
1,2,3-Trichloropropane	ND	0.00093	EPA 8260D	9-25-24	9-25-24	
n-Propylbenzene	ND	0.00093	EPA 8260D	9-25-24	9-25-24	
2-Chlorotoluene	ND	0.00093	EPA 8260D	9-25-24	9-25-24	
4-Chlorotoluene	ND	0.00093	EPA 8260D	9-25-24	9-25-24	
1,3,5-Trimethylbenzene	ND	0.00093	EPA 8260D	9-25-24	9-25-24	
tert-Butylbenzene	ND	0.00093	EPA 8260D	9-25-24	9-25-24	
1,2,4-Trimethylbenzene	ND	0.00093	EPA 8260D	9-25-24	9-25-24	
sec-Butylbenzene	ND	0.00093	EPA 8260D	9-25-24	9-25-24	
1,3-Dichlorobenzene	ND	0.00093	EPA 8260D	9-25-24	9-25-24	
p-Isopropyltoluene	ND	0.00093	EPA 8260D	9-25-24	9-25-24	
1,4-Dichlorobenzene	ND	0.00093	EPA 8260D	9-25-24	9-25-24	
1,2-Dichlorobenzene	ND	0.00093	EPA 8260D	9-25-24	9-25-24	
n-Butylbenzene	ND	0.00093	EPA 8260D	9-25-24	9-25-24	
1,2-Dibromo-3-chloropropane	ND	0.0047	EPA 8260D	9-25-24	9-25-24	
1,2,4-Trichlorobenzene	ND	0.00093	EPA 8260D	9-25-24	9-25-24	
Hexachlorobutadiene	ND	0.0047	EPA 8260D	9-25-24	9-25-24	
Naphthalene	ND	0.0047	EPA 8260D	9-25-24	9-25-24	
1,2,3-Trichlorobenzene	ND	0.00093	EPA 8260D	9-25-24	9-25-24	
Surrogate:	Percent Recovery	Control Limits				
Dibromofluoromethane	101	69-124				
Toluene-d8	99	80-118				
4-Bromofluorobenzene	99	75-123				



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 Laboratory Reference: 2409-323
 Project: 295062

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Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	CID-3-SW-5					
Laboratory ID:	09-323-03					
Dichlorodifluoromethane	ND	0.0012	EPA 8260D	9-25-24	9-25-24	
Chloromethane	ND	0.0045	EPA 8260D	9-25-24	9-25-24	
Vinyl Chloride	ND	0.00090	EPA 8260D	9-25-24	9-25-24	
Bromomethane	ND	0.0045	EPA 8260D	9-25-24	9-25-24	
Chloroethane	ND	0.0045	EPA 8260D	9-25-24	9-25-24	
Trichlorofluoromethane	ND	0.00090	EPA 8260D	9-25-24	9-25-24	
1,1-Dichloroethene	ND	0.00090	EPA 8260D	9-25-24	9-25-24	
Acetone	ND	0.0090	EPA 8260D	9-25-24	9-25-24	
Iodomethane	ND	0.0090	EPA 8260D	9-25-24	9-25-24	
Carbon Disulfide	ND	0.0013	EPA 8260D	9-25-24	9-25-24	
Methylene Chloride	ND	0.0045	EPA 8260D	9-25-24	9-25-24	
(trans) 1,2-Dichloroethene	ND	0.00090	EPA 8260D	9-25-24	9-25-24	
Methyl t-Butyl Ether	ND	0.00090	EPA 8260D	9-25-24	9-25-24	
1,1-Dichloroethane	ND	0.00090	EPA 8260D	9-25-24	9-25-24	
Vinyl Acetate	ND	0.0045	EPA 8260D	9-25-24	9-25-24	
2,2-Dichloropropane	ND	0.00090	EPA 8260D	9-25-24	9-25-24	
(cis) 1,2-Dichloroethene	ND	0.00090	EPA 8260D	9-25-24	9-25-24	
2-Butanone	ND	0.0045	EPA 8260D	9-25-24	9-25-24	
Bromochloromethane	ND	0.00090	EPA 8260D	9-25-24	9-25-24	
Chloroform	ND	0.00090	EPA 8260D	9-25-24	9-25-24	
1,1,1-Trichloroethane	ND	0.00090	EPA 8260D	9-25-24	9-25-24	
Carbon Tetrachloride	ND	0.00090	EPA 8260D	9-25-24	9-25-24	
1,1-Dichloropropene	ND	0.00090	EPA 8260D	9-25-24	9-25-24	
Benzene	ND	0.00090	EPA 8260D	9-25-24	9-25-24	
1,2-Dichloroethane	ND	0.00090	EPA 8260D	9-25-24	9-25-24	
Trichloroethene	ND	0.00090	EPA 8260D	9-25-24	9-25-24	
1,2-Dichloropropane	ND	0.00090	EPA 8260D	9-25-24	9-25-24	
Dibromomethane	ND	0.00090	EPA 8260D	9-25-24	9-25-24	
Bromodichloromethane	ND	0.00090	EPA 8260D	9-25-24	9-25-24	
2-Chloroethyl Vinyl Ether	ND	0.0045	EPA 8260D	9-25-24	9-25-24	
(cis) 1,3-Dichloropropene	ND	0.00090	EPA 8260D	9-25-24	9-25-24	
Methyl Isobutyl Ketone	ND	0.0045	EPA 8260D	9-25-24	9-25-24	
Toluene	ND	0.0045	EPA 8260D	9-25-24	9-25-24	



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 Project: 295062

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	CID-3-SW-5					
Laboratory ID:	09-323-03					
(trans) 1,3-Dichloropropene	ND	0.00090	EPA 8260D	9-25-24	9-25-24	
1,1,2-Trichloroethane	ND	0.00090	EPA 8260D	9-25-24	9-25-24	
Tetrachloroethene	ND	0.00090	EPA 8260D	9-25-24	9-25-24	
1,3-Dichloropropane	ND	0.00090	EPA 8260D	9-25-24	9-25-24	
2-Hexanone	ND	0.0045	EPA 8260D	9-25-24	9-25-24	
Dibromochloromethane	ND	0.00090	EPA 8260D	9-25-24	9-25-24	
1,2-Dibromoethane	ND	0.00090	EPA 8260D	9-25-24	9-25-24	
Chlorobenzene	ND	0.00090	EPA 8260D	9-25-24	9-25-24	
1,1,1,2-Tetrachloroethane	ND	0.00090	EPA 8260D	9-25-24	9-25-24	
Ethylbenzene	ND	0.00090	EPA 8260D	9-25-24	9-25-24	
m,p-Xylene	ND	0.0018	EPA 8260D	9-25-24	9-25-24	
o-Xylene	ND	0.00090	EPA 8260D	9-25-24	9-25-24	
Styrene	ND	0.00090	EPA 8260D	9-25-24	9-25-24	
Bromoform	ND	0.0045	EPA 8260D	9-25-24	9-25-24	
Isopropylbenzene	ND	0.00090	EPA 8260D	9-25-24	9-25-24	
Bromobenzene	ND	0.00090	EPA 8260D	9-25-24	9-25-24	
1,1,2,2-Tetrachloroethane	ND	0.00090	EPA 8260D	9-25-24	9-25-24	
1,2,3-Trichloropropane	ND	0.00090	EPA 8260D	9-25-24	9-25-24	
n-Propylbenzene	ND	0.00090	EPA 8260D	9-25-24	9-25-24	
2-Chlorotoluene	ND	0.00090	EPA 8260D	9-25-24	9-25-24	
4-Chlorotoluene	ND	0.00090	EPA 8260D	9-25-24	9-25-24	
1,3,5-Trimethylbenzene	ND	0.00090	EPA 8260D	9-25-24	9-25-24	
tert-Butylbenzene	ND	0.00090	EPA 8260D	9-25-24	9-25-24	
1,2,4-Trimethylbenzene	ND	0.00090	EPA 8260D	9-25-24	9-25-24	
sec-Butylbenzene	ND	0.00090	EPA 8260D	9-25-24	9-25-24	
1,3-Dichlorobenzene	ND	0.00090	EPA 8260D	9-25-24	9-25-24	
p-Isopropyltoluene	ND	0.00090	EPA 8260D	9-25-24	9-25-24	
1,4-Dichlorobenzene	ND	0.00090	EPA 8260D	9-25-24	9-25-24	
1,2-Dichlorobenzene	ND	0.00090	EPA 8260D	9-25-24	9-25-24	
n-Butylbenzene	ND	0.00090	EPA 8260D	9-25-24	9-25-24	
1,2-Dibromo-3-chloropropane	ND	0.0045	EPA 8260D	9-25-24	9-25-24	
1,2,4-Trichlorobenzene	ND	0.00090	EPA 8260D	9-25-24	9-25-24	
Hexachlorobutadiene	ND	0.0045	EPA 8260D	9-25-24	9-25-24	
Naphthalene	ND	0.0045	EPA 8260D	9-25-24	9-25-24	
1,2,3-Trichlorobenzene	ND	0.00090	EPA 8260D	9-25-24	9-25-24	
Surrogate:	Percent Recovery	Control Limits				
Dibromofluoromethane	103	69-124				
Toluene-d8	100	80-118				
4-Bromofluorobenzene	102	75-123				



OnSite Environmental, Inc. 14648 NE 95th Street, Redmond, WA 98052 (425) 883-3881

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: September 26, 2024
 Samples Submitted: September 25, 2024
 Laboratory Reference: 2409-323
 Project: 295062

VOLATILE ORGANICS EPA 8260D

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Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	CID-4-SW-5					
Laboratory ID:	09-323-04					
Dichlorodifluoromethane	ND	0.0012	EPA 8260D	9-25-24	9-25-24	
Chloromethane	ND	0.0047	EPA 8260D	9-25-24	9-25-24	
Vinyl Chloride	ND	0.00093	EPA 8260D	9-25-24	9-25-24	
Bromomethane	ND	0.0047	EPA 8260D	9-25-24	9-25-24	
Chloroethane	ND	0.0047	EPA 8260D	9-25-24	9-25-24	
Trichlorofluoromethane	ND	0.00093	EPA 8260D	9-25-24	9-25-24	
1,1-Dichloroethene	ND	0.00093	EPA 8260D	9-25-24	9-25-24	
Acetone	0.017	0.0093	EPA 8260D	9-25-24	9-25-24	
Iodomethane	ND	0.0093	EPA 8260D	9-25-24	9-25-24	
Carbon Disulfide	ND	0.0013	EPA 8260D	9-25-24	9-25-24	
Methylene Chloride	ND	0.0047	EPA 8260D	9-25-24	9-25-24	
(trans) 1,2-Dichloroethene	ND	0.00093	EPA 8260D	9-25-24	9-25-24	
Methyl t-Butyl Ether	ND	0.00093	EPA 8260D	9-25-24	9-25-24	
1,1-Dichloroethane	ND	0.00093	EPA 8260D	9-25-24	9-25-24	
Vinyl Acetate	ND	0.0047	EPA 8260D	9-25-24	9-25-24	
2,2-Dichloropropane	ND	0.00093	EPA 8260D	9-25-24	9-25-24	
(cis) 1,2-Dichloroethene	ND	0.00093	EPA 8260D	9-25-24	9-25-24	
2-Butanone	ND	0.0047	EPA 8260D	9-25-24	9-25-24	
Bromochloromethane	ND	0.00093	EPA 8260D	9-25-24	9-25-24	
Chloroform	ND	0.00093	EPA 8260D	9-25-24	9-25-24	
1,1,1-Trichloroethane	ND	0.00093	EPA 8260D	9-25-24	9-25-24	
Carbon Tetrachloride	ND	0.00093	EPA 8260D	9-25-24	9-25-24	
1,1-Dichloropropene	ND	0.00093	EPA 8260D	9-25-24	9-25-24	
Benzene	ND	0.00093	EPA 8260D	9-25-24	9-25-24	
1,2-Dichloroethane	ND	0.00093	EPA 8260D	9-25-24	9-25-24	
Trichloroethene	ND	0.00093	EPA 8260D	9-25-24	9-25-24	
1,2-Dichloropropane	ND	0.00093	EPA 8260D	9-25-24	9-25-24	
Dibromomethane	ND	0.00093	EPA 8260D	9-25-24	9-25-24	
Bromodichloromethane	ND	0.00093	EPA 8260D	9-25-24	9-25-24	
2-Chloroethyl Vinyl Ether	ND	0.0047	EPA 8260D	9-25-24	9-25-24	
(cis) 1,3-Dichloropropene	ND	0.00093	EPA 8260D	9-25-24	9-25-24	
Methyl Isobutyl Ketone	ND	0.0047	EPA 8260D	9-25-24	9-25-24	
Toluene	ND	0.0047	EPA 8260D	9-25-24	9-25-24	



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Date of Report: September 26, 2024
 Samples Submitted: September 25, 2024
 Laboratory Reference: 2409-323
 Project: 295062

VOLATILE ORGANICS EPA 8260D

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	CID-4-SW-5					
Laboratory ID:	09-323-04					
(trans) 1,3-Dichloropropene	ND	0.00093	EPA 8260D	9-25-24	9-25-24	
1,1,2-Trichloroethane	ND	0.00093	EPA 8260D	9-25-24	9-25-24	
Tetrachloroethene	ND	0.00093	EPA 8260D	9-25-24	9-25-24	
1,3-Dichloropropane	ND	0.00093	EPA 8260D	9-25-24	9-25-24	
2-Hexanone	ND	0.0047	EPA 8260D	9-25-24	9-25-24	
Dibromochloromethane	ND	0.00093	EPA 8260D	9-25-24	9-25-24	
1,2-Dibromoethane	ND	0.00093	EPA 8260D	9-25-24	9-25-24	
Chlorobenzene	ND	0.00093	EPA 8260D	9-25-24	9-25-24	
1,1,1,2-Tetrachloroethane	ND	0.00093	EPA 8260D	9-25-24	9-25-24	
Ethylbenzene	ND	0.00093	EPA 8260D	9-25-24	9-25-24	
m,p-Xylene	ND	0.0019	EPA 8260D	9-25-24	9-25-24	
o-Xylene	ND	0.00093	EPA 8260D	9-25-24	9-25-24	
Styrene	ND	0.00093	EPA 8260D	9-25-24	9-25-24	
Bromoform	ND	0.0047	EPA 8260D	9-25-24	9-25-24	
Isopropylbenzene	ND	0.00093	EPA 8260D	9-25-24	9-25-24	
Bromobenzene	ND	0.00093	EPA 8260D	9-25-24	9-25-24	
1,1,2,2-Tetrachloroethane	ND	0.00093	EPA 8260D	9-25-24	9-25-24	
1,2,3-Trichloropropane	ND	0.00093	EPA 8260D	9-25-24	9-25-24	
n-Propylbenzene	ND	0.00093	EPA 8260D	9-25-24	9-25-24	
2-Chlorotoluene	ND	0.00093	EPA 8260D	9-25-24	9-25-24	
4-Chlorotoluene	ND	0.00093	EPA 8260D	9-25-24	9-25-24	
1,3,5-Trimethylbenzene	ND	0.00093	EPA 8260D	9-25-24	9-25-24	
tert-Butylbenzene	ND	0.00093	EPA 8260D	9-25-24	9-25-24	
1,2,4-Trimethylbenzene	ND	0.00093	EPA 8260D	9-25-24	9-25-24	
sec-Butylbenzene	ND	0.00093	EPA 8260D	9-25-24	9-25-24	
1,3-Dichlorobenzene	ND	0.00093	EPA 8260D	9-25-24	9-25-24	
p-Isopropyltoluene	ND	0.00093	EPA 8260D	9-25-24	9-25-24	
1,4-Dichlorobenzene	ND	0.00093	EPA 8260D	9-25-24	9-25-24	
1,2-Dichlorobenzene	ND	0.00093	EPA 8260D	9-25-24	9-25-24	
n-Butylbenzene	ND	0.00093	EPA 8260D	9-25-24	9-25-24	
1,2-Dibromo-3-chloropropane	ND	0.0047	EPA 8260D	9-25-24	9-25-24	
1,2,4-Trichlorobenzene	ND	0.00093	EPA 8260D	9-25-24	9-25-24	
Hexachlorobutadiene	ND	0.0047	EPA 8260D	9-25-24	9-25-24	
Naphthalene	ND	0.0047	EPA 8260D	9-25-24	9-25-24	
1,2,3-Trichlorobenzene	ND	0.00093	EPA 8260D	9-25-24	9-25-24	
Surrogate:	Percent Recovery	Control Limits				
Dibromofluoromethane	102	69-124				
Toluene-d8	99	80-118				
4-Bromofluorobenzene	98	75-123				



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Date of Report: September 26, 2024
 Samples Submitted: September 25, 2024
 Laboratory Reference: 2409-323
 Project: 295062

VOLATILE ORGANICS EPA 8260D

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Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	CID-5-SW-5					
Laboratory ID:	09-323-05					
Dichlorodifluoromethane	ND	0.0014	EPA 8260D	9-25-24	9-25-24	
Chloromethane	ND	0.0054	EPA 8260D	9-25-24	9-25-24	
Vinyl Chloride	ND	0.0011	EPA 8260D	9-25-24	9-25-24	
Bromomethane	ND	0.0054	EPA 8260D	9-25-24	9-25-24	
Chloroethane	ND	0.0054	EPA 8260D	9-25-24	9-25-24	
Trichlorofluoromethane	ND	0.0011	EPA 8260D	9-25-24	9-25-24	
1,1-Dichloroethene	ND	0.0011	EPA 8260D	9-25-24	9-25-24	
Acetone	ND	0.011	EPA 8260D	9-25-24	9-25-24	
Iodomethane	ND	0.011	EPA 8260D	9-25-24	9-25-24	
Carbon Disulfide	ND	0.0015	EPA 8260D	9-25-24	9-25-24	
Methylene Chloride	ND	0.0054	EPA 8260D	9-25-24	9-25-24	
(trans) 1,2-Dichloroethene	ND	0.0011	EPA 8260D	9-25-24	9-25-24	
Methyl t-Butyl Ether	ND	0.0011	EPA 8260D	9-25-24	9-25-24	
1,1-Dichloroethane	ND	0.0011	EPA 8260D	9-25-24	9-25-24	
Vinyl Acetate	ND	0.0054	EPA 8260D	9-25-24	9-25-24	
2,2-Dichloropropane	ND	0.0011	EPA 8260D	9-25-24	9-25-24	
(cis) 1,2-Dichloroethene	ND	0.0011	EPA 8260D	9-25-24	9-25-24	
2-Butanone	ND	0.0054	EPA 8260D	9-25-24	9-25-24	
Bromochloromethane	ND	0.0011	EPA 8260D	9-25-24	9-25-24	
Chloroform	ND	0.0011	EPA 8260D	9-25-24	9-25-24	
1,1,1-Trichloroethane	ND	0.0011	EPA 8260D	9-25-24	9-25-24	
Carbon Tetrachloride	ND	0.0011	EPA 8260D	9-25-24	9-25-24	
1,1-Dichloropropene	ND	0.0011	EPA 8260D	9-25-24	9-25-24	
Benzene	ND	0.0011	EPA 8260D	9-25-24	9-25-24	
1,2-Dichloroethane	ND	0.0011	EPA 8260D	9-25-24	9-25-24	
Trichloroethene	ND	0.0011	EPA 8260D	9-25-24	9-25-24	
1,2-Dichloropropane	ND	0.0011	EPA 8260D	9-25-24	9-25-24	
Dibromomethane	ND	0.0011	EPA 8260D	9-25-24	9-25-24	
Bromodichloromethane	ND	0.0011	EPA 8260D	9-25-24	9-25-24	
2-Chloroethyl Vinyl Ether	ND	0.0054	EPA 8260D	9-25-24	9-25-24	
(cis) 1,3-Dichloropropene	ND	0.0011	EPA 8260D	9-25-24	9-25-24	
Methyl Isobutyl Ketone	ND	0.0054	EPA 8260D	9-25-24	9-25-24	
Toluene	ND	0.0054	EPA 8260D	9-25-24	9-25-24	



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Date of Report: September 26, 2024
 Samples Submitted: September 25, 2024
 Laboratory Reference: 2409-323
 Project: 295062

VOLATILE ORGANICS EPA 8260D

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	CID-5-SW-5					
Laboratory ID:	09-323-05					
(trans) 1,3-Dichloropropene	ND	0.0011	EPA 8260D	9-25-24	9-25-24	
1,1,2-Trichloroethane	ND	0.0011	EPA 8260D	9-25-24	9-25-24	
Tetrachloroethene	0.0014	0.0011	EPA 8260D	9-25-24	9-25-24	
1,3-Dichloropropane	ND	0.0011	EPA 8260D	9-25-24	9-25-24	
2-Hexanone	ND	0.0054	EPA 8260D	9-25-24	9-25-24	
Dibromochloromethane	ND	0.0011	EPA 8260D	9-25-24	9-25-24	
1,2-Dibromoethane	ND	0.0011	EPA 8260D	9-25-24	9-25-24	
Chlorobenzene	ND	0.0011	EPA 8260D	9-25-24	9-25-24	
1,1,1,2-Tetrachloroethane	ND	0.0011	EPA 8260D	9-25-24	9-25-24	
Ethylbenzene	ND	0.0011	EPA 8260D	9-25-24	9-25-24	
m,p-Xylene	ND	0.0022	EPA 8260D	9-25-24	9-25-24	
o-Xylene	ND	0.0011	EPA 8260D	9-25-24	9-25-24	
Styrene	ND	0.0011	EPA 8260D	9-25-24	9-25-24	
Bromoform	ND	0.0054	EPA 8260D	9-25-24	9-25-24	
Isopropylbenzene	ND	0.0011	EPA 8260D	9-25-24	9-25-24	
Bromobenzene	ND	0.0011	EPA 8260D	9-25-24	9-25-24	
1,1,2,2-Tetrachloroethane	ND	0.0011	EPA 8260D	9-25-24	9-25-24	
1,2,3-Trichloropropane	ND	0.0011	EPA 8260D	9-25-24	9-25-24	
n-Propylbenzene	ND	0.0011	EPA 8260D	9-25-24	9-25-24	
2-Chlorotoluene	ND	0.0011	EPA 8260D	9-25-24	9-25-24	
4-Chlorotoluene	ND	0.0011	EPA 8260D	9-25-24	9-25-24	
1,3,5-Trimethylbenzene	ND	0.0011	EPA 8260D	9-25-24	9-25-24	
tert-Butylbenzene	ND	0.0011	EPA 8260D	9-25-24	9-25-24	
1,2,4-Trimethylbenzene	ND	0.0011	EPA 8260D	9-25-24	9-25-24	
sec-Butylbenzene	ND	0.0011	EPA 8260D	9-25-24	9-25-24	
1,3-Dichlorobenzene	ND	0.0011	EPA 8260D	9-25-24	9-25-24	
p-Isopropyltoluene	ND	0.0011	EPA 8260D	9-25-24	9-25-24	
1,4-Dichlorobenzene	ND	0.0011	EPA 8260D	9-25-24	9-25-24	
1,2-Dichlorobenzene	ND	0.0011	EPA 8260D	9-25-24	9-25-24	
n-Butylbenzene	ND	0.0011	EPA 8260D	9-25-24	9-25-24	
1,2-Dibromo-3-chloropropane	ND	0.0054	EPA 8260D	9-25-24	9-25-24	
1,2,4-Trichlorobenzene	ND	0.0011	EPA 8260D	9-25-24	9-25-24	
Hexachlorobutadiene	ND	0.0054	EPA 8260D	9-25-24	9-25-24	
Naphthalene	ND	0.0054	EPA 8260D	9-25-24	9-25-24	
1,2,3-Trichlorobenzene	ND	0.0011	EPA 8260D	9-25-24	9-25-24	
Surrogate:	Percent Recovery	Control Limits				
Dibromofluoromethane	100	69-124				
Toluene-d8	99	80-118				
4-Bromofluorobenzene	100	75-123				



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Date of Report: September 26, 2024
 Samples Submitted: September 25, 2024
 Laboratory Reference: 2409-323
 Project: 295062

VOLATILE ORGANICS EPA 8260D

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Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	CID-6-SW-5					
Laboratory ID:	09-323-06					
Dichlorodifluoromethane	ND	0.0018	EPA 8260D	9-25-24	9-25-24	
Chloromethane	ND	0.0071	EPA 8260D	9-25-24	9-25-24	
Vinyl Chloride	ND	0.0014	EPA 8260D	9-25-24	9-25-24	
Bromomethane	ND	0.0071	EPA 8260D	9-25-24	9-25-24	
Chloroethane	ND	0.0071	EPA 8260D	9-25-24	9-25-24	
Trichlorofluoromethane	ND	0.0014	EPA 8260D	9-25-24	9-25-24	
1,1-Dichloroethene	ND	0.0014	EPA 8260D	9-25-24	9-25-24	
Acetone	ND	0.014	EPA 8260D	9-25-24	9-25-24	
Iodomethane	ND	0.014	EPA 8260D	9-25-24	9-25-24	
Carbon Disulfide	ND	0.0020	EPA 8260D	9-25-24	9-25-24	
Methylene Chloride	ND	0.0071	EPA 8260D	9-25-24	9-25-24	
(trans) 1,2-Dichloroethene	ND	0.0014	EPA 8260D	9-25-24	9-25-24	
Methyl t-Butyl Ether	ND	0.0014	EPA 8260D	9-25-24	9-25-24	
1,1-Dichloroethane	ND	0.0014	EPA 8260D	9-25-24	9-25-24	
Vinyl Acetate	ND	0.0071	EPA 8260D	9-25-24	9-25-24	
2,2-Dichloropropane	ND	0.0014	EPA 8260D	9-25-24	9-25-24	
(cis) 1,2-Dichloroethene	ND	0.0014	EPA 8260D	9-25-24	9-25-24	
2-Butanone	ND	0.0071	EPA 8260D	9-25-24	9-25-24	
Bromochloromethane	ND	0.0014	EPA 8260D	9-25-24	9-25-24	
Chloroform	ND	0.0014	EPA 8260D	9-25-24	9-25-24	
1,1,1-Trichloroethane	ND	0.0014	EPA 8260D	9-25-24	9-25-24	
Carbon Tetrachloride	ND	0.0014	EPA 8260D	9-25-24	9-25-24	
1,1-Dichloropropene	ND	0.0014	EPA 8260D	9-25-24	9-25-24	
Benzene	ND	0.0014	EPA 8260D	9-25-24	9-25-24	
1,2-Dichloroethane	ND	0.0014	EPA 8260D	9-25-24	9-25-24	
Trichloroethene	ND	0.0014	EPA 8260D	9-25-24	9-25-24	
1,2-Dichloropropane	ND	0.0014	EPA 8260D	9-25-24	9-25-24	
Dibromomethane	ND	0.0014	EPA 8260D	9-25-24	9-25-24	
Bromodichloromethane	ND	0.0014	EPA 8260D	9-25-24	9-25-24	
2-Chloroethyl Vinyl Ether	ND	0.0071	EPA 8260D	9-25-24	9-25-24	
(cis) 1,3-Dichloropropene	ND	0.0014	EPA 8260D	9-25-24	9-25-24	
Methyl Isobutyl Ketone	ND	0.0071	EPA 8260D	9-25-24	9-25-24	
Toluene	ND	0.0071	EPA 8260D	9-25-24	9-25-24	



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Date of Report: September 26, 2024
 Samples Submitted: September 25, 2024
 Laboratory Reference: 2409-323
 Project: 295062

VOLATILE ORGANICS EPA 8260D

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	CID-6-SW-5					
Laboratory ID:	09-323-06					
(trans) 1,3-Dichloropropene	ND	0.0014	EPA 8260D	9-25-24	9-25-24	
1,1,2-Trichloroethane	ND	0.0014	EPA 8260D	9-25-24	9-25-24	
Tetrachloroethene	ND	0.0014	EPA 8260D	9-25-24	9-25-24	
1,3-Dichloropropane	ND	0.0014	EPA 8260D	9-25-24	9-25-24	
2-Hexanone	ND	0.0071	EPA 8260D	9-25-24	9-25-24	
Dibromochloromethane	ND	0.0014	EPA 8260D	9-25-24	9-25-24	
1,2-Dibromoethane	ND	0.0014	EPA 8260D	9-25-24	9-25-24	
Chlorobenzene	ND	0.0014	EPA 8260D	9-25-24	9-25-24	
1,1,1,2-Tetrachloroethane	ND	0.0014	EPA 8260D	9-25-24	9-25-24	
Ethylbenzene	ND	0.0014	EPA 8260D	9-25-24	9-25-24	
m,p-Xylene	ND	0.0028	EPA 8260D	9-25-24	9-25-24	
o-Xylene	ND	0.0014	EPA 8260D	9-25-24	9-25-24	
Styrene	ND	0.0014	EPA 8260D	9-25-24	9-25-24	
Bromoform	ND	0.0071	EPA 8260D	9-25-24	9-25-24	
Isopropylbenzene	ND	0.0014	EPA 8260D	9-25-24	9-25-24	
Bromobenzene	ND	0.0014	EPA 8260D	9-25-24	9-25-24	
1,1,2,2-Tetrachloroethane	ND	0.0014	EPA 8260D	9-25-24	9-25-24	
1,2,3-Trichloropropane	ND	0.0014	EPA 8260D	9-25-24	9-25-24	
n-Propylbenzene	ND	0.0014	EPA 8260D	9-25-24	9-25-24	
2-Chlorotoluene	ND	0.0014	EPA 8260D	9-25-24	9-25-24	
4-Chlorotoluene	ND	0.0014	EPA 8260D	9-25-24	9-25-24	
1,3,5-Trimethylbenzene	ND	0.0014	EPA 8260D	9-25-24	9-25-24	
tert-Butylbenzene	ND	0.0014	EPA 8260D	9-25-24	9-25-24	
1,2,4-Trimethylbenzene	ND	0.0014	EPA 8260D	9-25-24	9-25-24	
sec-Butylbenzene	ND	0.0014	EPA 8260D	9-25-24	9-25-24	
1,3-Dichlorobenzene	ND	0.0014	EPA 8260D	9-25-24	9-25-24	
p-Isopropyltoluene	ND	0.0014	EPA 8260D	9-25-24	9-25-24	
1,4-Dichlorobenzene	ND	0.0014	EPA 8260D	9-25-24	9-25-24	
1,2-Dichlorobenzene	ND	0.0014	EPA 8260D	9-25-24	9-25-24	
n-Butylbenzene	ND	0.0014	EPA 8260D	9-25-24	9-25-24	
1,2-Dibromo-3-chloropropane	ND	0.0071	EPA 8260D	9-25-24	9-25-24	
1,2,4-Trichlorobenzene	ND	0.0014	EPA 8260D	9-25-24	9-25-24	
Hexachlorobutadiene	ND	0.0071	EPA 8260D	9-25-24	9-25-24	
Naphthalene	ND	0.0071	EPA 8260D	9-25-24	9-25-24	
1,2,3-Trichlorobenzene	ND	0.0014	EPA 8260D	9-25-24	9-25-24	
Surrogate:	Percent Recovery	Control Limits				
Dibromofluoromethane	101	69-124				
Toluene-d8	101	80-118				
4-Bromofluorobenzene	100	75-123				



OnSite Environmental, Inc. 14648 NE 95th Street, Redmond, WA 98052 (425) 883-3881

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Date of Report: September 26, 2024
 Samples Submitted: September 25, 2024
 Laboratory Reference: 2409-323
 Project: 295062

VOLATILE ORGANICS EPA 8260D
QUALITY CONTROL

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Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0925S2					
Dichlorodifluoromethane	ND	0.0013	EPA 8260D	9-25-24	9-25-24	
Chloromethane	ND	0.0050	EPA 8260D	9-25-24	9-25-24	
Vinyl Chloride	ND	0.0010	EPA 8260D	9-25-24	9-25-24	
Bromomethane	ND	0.0050	EPA 8260D	9-25-24	9-25-24	
Chloroethane	ND	0.0050	EPA 8260D	9-25-24	9-25-24	
Trichlorofluoromethane	ND	0.0010	EPA 8260D	9-25-24	9-25-24	
1,1-Dichloroethene	ND	0.0010	EPA 8260D	9-25-24	9-25-24	
Acetone	ND	0.010	EPA 8260D	9-25-24	9-25-24	
Iodomethane	ND	0.010	EPA 8260D	9-25-24	9-25-24	
Carbon Disulfide	ND	0.0014	EPA 8260D	9-25-24	9-25-24	
Methylene Chloride	ND	0.0050	EPA 8260D	9-25-24	9-25-24	
(trans) 1,2-Dichloroethene	ND	0.0010	EPA 8260D	9-25-24	9-25-24	
Methyl t-Butyl Ether	ND	0.0010	EPA 8260D	9-25-24	9-25-24	
1,1-Dichloroethane	ND	0.0010	EPA 8260D	9-25-24	9-25-24	
Vinyl Acetate	ND	0.0050	EPA 8260D	9-25-24	9-25-24	
2,2-Dichloropropane	ND	0.0010	EPA 8260D	9-25-24	9-25-24	
(cis) 1,2-Dichloroethene	ND	0.0010	EPA 8260D	9-25-24	9-25-24	
2-Butanone	ND	0.0050	EPA 8260D	9-25-24	9-25-24	
Bromochloromethane	ND	0.0010	EPA 8260D	9-25-24	9-25-24	
Chloroform	ND	0.0010	EPA 8260D	9-25-24	9-25-24	
1,1,1-Trichloroethane	ND	0.0010	EPA 8260D	9-25-24	9-25-24	
Carbon Tetrachloride	ND	0.0010	EPA 8260D	9-25-24	9-25-24	
1,1-Dichloropropene	ND	0.0010	EPA 8260D	9-25-24	9-25-24	
Benzene	ND	0.0010	EPA 8260D	9-25-24	9-25-24	
1,2-Dichloroethane	ND	0.0010	EPA 8260D	9-25-24	9-25-24	
Trichloroethene	ND	0.0010	EPA 8260D	9-25-24	9-25-24	
1,2-Dichloropropane	ND	0.0010	EPA 8260D	9-25-24	9-25-24	
Dibromomethane	ND	0.0010	EPA 8260D	9-25-24	9-25-24	
Bromodichloromethane	ND	0.0010	EPA 8260D	9-25-24	9-25-24	
2-Chloroethyl Vinyl Ether	ND	0.0050	EPA 8260D	9-25-24	9-25-24	
(cis) 1,3-Dichloropropene	ND	0.0010	EPA 8260D	9-25-24	9-25-24	
Methyl Isobutyl Ketone	ND	0.0050	EPA 8260D	9-25-24	9-25-24	
Toluene	ND	0.0050	EPA 8260D	9-25-24	9-25-24	



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 Project: 295062

VOLATILE ORGANICS EPA 8260D
QUALITY CONTROL

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0925S2					
(trans) 1,3-Dichloropropene	ND	0.0010	EPA 8260D	9-25-24	9-25-24	
1,1,2-Trichloroethane	ND	0.0010	EPA 8260D	9-25-24	9-25-24	
Tetrachloroethene	ND	0.0010	EPA 8260D	9-25-24	9-25-24	
1,3-Dichloropropane	ND	0.0010	EPA 8260D	9-25-24	9-25-24	
2-Hexanone	ND	0.0050	EPA 8260D	9-25-24	9-25-24	
Dibromochloromethane	ND	0.0010	EPA 8260D	9-25-24	9-25-24	
1,2-Dibromoethane	ND	0.0010	EPA 8260D	9-25-24	9-25-24	
Chlorobenzene	ND	0.0010	EPA 8260D	9-25-24	9-25-24	
1,1,1,2-Tetrachloroethane	ND	0.0010	EPA 8260D	9-25-24	9-25-24	
Ethylbenzene	ND	0.0010	EPA 8260D	9-25-24	9-25-24	
m,p-Xylene	ND	0.0020	EPA 8260D	9-25-24	9-25-24	
o-Xylene	ND	0.0010	EPA 8260D	9-25-24	9-25-24	
Styrene	ND	0.0010	EPA 8260D	9-25-24	9-25-24	
Bromoform	ND	0.0050	EPA 8260D	9-25-24	9-25-24	
Isopropylbenzene	ND	0.0010	EPA 8260D	9-25-24	9-25-24	
Bromobenzene	ND	0.0010	EPA 8260D	9-25-24	9-25-24	
1,1,2,2-Tetrachloroethane	ND	0.0010	EPA 8260D	9-25-24	9-25-24	
1,2,3-Trichloropropane	ND	0.0010	EPA 8260D	9-25-24	9-25-24	
n-Propylbenzene	ND	0.0010	EPA 8260D	9-25-24	9-25-24	
2-Chlorotoluene	ND	0.0010	EPA 8260D	9-25-24	9-25-24	
4-Chlorotoluene	ND	0.0010	EPA 8260D	9-25-24	9-25-24	
1,3,5-Trimethylbenzene	ND	0.0010	EPA 8260D	9-25-24	9-25-24	
tert-Butylbenzene	ND	0.0010	EPA 8260D	9-25-24	9-25-24	
1,2,4-Trimethylbenzene	ND	0.0010	EPA 8260D	9-25-24	9-25-24	
sec-Butylbenzene	ND	0.0010	EPA 8260D	9-25-24	9-25-24	
1,3-Dichlorobenzene	ND	0.0010	EPA 8260D	9-25-24	9-25-24	
p-Isopropyltoluene	ND	0.0010	EPA 8260D	9-25-24	9-25-24	
1,4-Dichlorobenzene	ND	0.0010	EPA 8260D	9-25-24	9-25-24	
1,2-Dichlorobenzene	ND	0.0010	EPA 8260D	9-25-24	9-25-24	
n-Butylbenzene	ND	0.0010	EPA 8260D	9-25-24	9-25-24	
1,2-Dibromo-3-chloropropane	ND	0.0050	EPA 8260D	9-25-24	9-25-24	
1,2,4-Trichlorobenzene	ND	0.0010	EPA 8260D	9-25-24	9-25-24	
Hexachlorobutadiene	ND	0.0050	EPA 8260D	9-25-24	9-25-24	
Naphthalene	ND	0.0050	EPA 8260D	9-25-24	9-25-24	
1,2,3-Trichlorobenzene	ND	0.0010	EPA 8260D	9-25-24	9-25-24	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>101</i>	<i>69-124</i>				
<i>Toluene-d8</i>	<i>101</i>	<i>80-118</i>				
<i>4-Bromofluorobenzene</i>	<i>101</i>	<i>75-123</i>				



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 Project: 295062

VOLATILE ORGANICS EPA 8260D
QUALITY CONTROL
 page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result		Spike Level		Percent		Recovery		RPD	
					Recovery		Limits	RPD	Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB0925S2									
	SB	SBD	SB	SBD	SB	SBD				
Dichlorodifluoromethane	0.0398	0.0401	0.0500	0.0500	80	80	24-162	1	24	
Chloromethane	0.0446	0.0477	0.0500	0.0500	89	95	41-143	7	22	
Vinyl Chloride	0.0491	0.0523	0.0500	0.0500	98	105	52-141	6	20	
Bromomethane	0.0462	0.0469	0.0500	0.0500	92	94	37-145	2	23	
Chloroethane	0.0529	0.0548	0.0500	0.0500	106	110	54-148	4	19	
Trichlorofluoromethane	0.0524	0.0534	0.0500	0.0500	105	107	65-142	2	18	
1,1-Dichloroethene	0.0540	0.0563	0.0500	0.0500	108	113	74-133	4	16	
Acetone	0.0568	0.0623	0.0500	0.0500	114	125	50-159	9	38	
Iodomethane	0.0420	0.0392	0.0500	0.0500	84	78	36-133	7	31	
Carbon Disulfide	0.0363	0.0339	0.0500	0.0500	73	68	37-138	7	27	
Methylene Chloride	0.0539	0.0553	0.0500	0.0500	108	111	60-135	3	23	
(trans) 1,2-Dichloroethene	0.0551	0.0574	0.0500	0.0500	110	115	74-131	4	15	
Methyl t-Butyl Ether	0.0569	0.0569	0.0500	0.0500	114	114	76-129	0	15	
1,1-Dichloroethane	0.0553	0.0578	0.0500	0.0500	111	116	74-130	4	15	
Vinyl Acetate	0.0569	0.0568	0.0500	0.0500	114	114	58-146	0	21	
2,2-Dichloropropane	0.0563	0.0598	0.0500	0.0500	113	120	74-137	6	16	
(cis) 1,2-Dichloroethene	0.0553	0.0565	0.0500	0.0500	111	113	71-136	2	15	
2-Butanone	0.0577	0.0569	0.0500	0.0500	115	114	58-144	1	32	
Bromochloromethane	0.0569	0.0575	0.0500	0.0500	114	115	78-128	1	15	
Chloroform	0.0539	0.0553	0.0500	0.0500	108	111	75-128	3	15	
1,1,1-Trichloroethane	0.0553	0.0581	0.0500	0.0500	111	116	73-129	5	15	
Carbon Tetrachloride	0.0568	0.0601	0.0500	0.0500	114	120	69-134	6	15	
1,1-Dichloropropene	0.0545	0.0578	0.0500	0.0500	109	116	73-127	6	15	
Benzene	0.0551	0.0565	0.0500	0.0500	110	113	75-126	3	15	
1,2-Dichloroethane	0.0566	0.0574	0.0500	0.0500	113	115	70-133	1	15	
Trichloroethene	0.0557	0.0573	0.0500	0.0500	111	115	80-130	3	15	
1,2-Dichloropropane	0.0566	0.0569	0.0500	0.0500	113	114	78-131	1	16	
Dibromomethane	0.0595	0.0596	0.0500	0.0500	119	119	72-136	0	28	
Bromodichloromethane	0.0573	0.0575	0.0500	0.0500	115	115	80-129	0	15	
(cis) 1,3-Dichloropropene	0.0576	0.0589	0.0500	0.0500	115	118	80-132	2	17	
Methyl Isobutyl Ketone	0.0579	0.0568	0.0500	0.0500	116	114	62-146	2	22	
Toluene	0.0539	0.0548	0.0500	0.0500	108	110	78-124	2	17	
(trans) 1,3-Dichloropropene	0.0579	0.0589	0.0500	0.0500	116	118	80-130	2	15	



Date of Report: September 26, 2024
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 Project: 295062

VOLATILE ORGANICS EPA 8260D
QUALITY CONTROL

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Analyte	Result		Spike Level		Percent		Recovery		RPD	
					Recovery		Limits	RPD	Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB0925S2									
	SB	SBD	SB	SBD	SB	SBD				
1,1,2-Trichloroethane	0.0566	0.0563	0.0500	0.0500	113	113	80-123	1	15	
Tetrachloroethene	0.0561	0.0593	0.0500	0.0500	112	119	80-130	6	15	
1,3-Dichloropropane	0.0551	0.0547	0.0500	0.0500	110	109	80-122	1	15	
2-Hexanone	0.0573	0.0572	0.0500	0.0500	115	114	61-143	0	30	
Dibromochloromethane	0.0579	0.0590	0.0500	0.0500	116	118	80-129	2	15	
1,2-Dibromoethane	0.0583	0.0585	0.0500	0.0500	117	117	80-125	0	15	
Chlorobenzene	0.0565	0.0576	0.0500	0.0500	113	115	80-119	2	15	
1,1,1,2-Tetrachloroethane	0.0577	0.0592	0.0500	0.0500	115	118	80-124	3	15	
Ethylbenzene	0.0545	0.0563	0.0500	0.0500	109	113	80-120	3	15	
m,p-Xylene	0.108	0.112	0.100	0.100	108	112	80-121	4	15	
o-Xylene	0.0548	0.0561	0.0500	0.0500	110	112	80-120	2	15	
Styrene	0.0572	0.0586	0.0500	0.0500	114	117	80-130	2	15	
Bromoform	0.0606	0.0607	0.0500	0.0500	121	121	79-132	0	15	
Isopropylbenzene	0.0570	0.0595	0.0500	0.0500	114	119	80-126	4	15	
Bromobenzene	0.0525	0.0537	0.0500	0.0500	105	107	80-124	2	15	
1,1,2,2-Tetrachloroethane	0.0559	0.0557	0.0500	0.0500	112	111	75-128	0	19	
1,2,3-Trichloropropane	0.0526	0.0528	0.0500	0.0500	105	106	74-128	0	19	
n-Propylbenzene	0.0530	0.0548	0.0500	0.0500	106	110	80-128	3	16	
2-Chlorotoluene	0.0525	0.0541	0.0500	0.0500	105	108	80-126	3	15	
4-Chlorotoluene	0.0522	0.0527	0.0500	0.0500	104	105	80-129	1	15	
1,3,5-Trimethylbenzene	0.0538	0.0551	0.0500	0.0500	108	110	80-129	2	15	
tert-Butylbenzene	0.0540	0.0562	0.0500	0.0500	108	112	80-129	4	15	
1,2,4-Trimethylbenzene	0.0520	0.0544	0.0500	0.0500	104	109	80-127	5	15	
sec-Butylbenzene	0.0548	0.0572	0.0500	0.0500	110	114	77-134	4	16	
1,3-Dichlorobenzene	0.0552	0.0570	0.0500	0.0500	110	114	80-125	3	15	
p-Isopropyltoluene	0.0554	0.0581	0.0500	0.0500	111	116	80-133	5	15	
1,4-Dichlorobenzene	0.0545	0.0560	0.0500	0.0500	109	112	78-127	3	15	
1,2-Dichlorobenzene	0.0562	0.0577	0.0500	0.0500	112	115	79-127	3	15	
n-Butylbenzene	0.0566	0.0595	0.0500	0.0500	113	119	80-136	5	17	
1,2-Dibromo-3-chloropropane	0.0581	0.0591	0.0500	0.0500	116	118	68-143	2	26	
1,2,4-Trichlorobenzene	0.0582	0.0619	0.0500	0.0500	116	124	77-142	6	19	
Hexachlorobutadiene	0.0566	0.0591	0.0500	0.0500	113	118	73-135	4	19	
Naphthalene	0.0602	0.0616	0.0500	0.0500	120	123	72-142	2	21	
1,2,3-Trichlorobenzene	0.0576	0.0600	0.0500	0.0500	115	120	77-139	4	19	
Surrogate:										
Dibromofluoromethane					99	100	69-124			
Toluene-d8					100	100	80-118			
4-Bromofluorobenzene					104	103	75-123			



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Samples Submitted: September 25, 2024
Laboratory Reference: 2409-323
Project: 295062

% MOISTURE

Client ID	Lab ID	% Moisture	Date Analyzed
CID-1-B-7	09-323-01	29	9-25-24
CID-2-B-7	09-323-02	15	9-25-24
CID-3-SW-5	09-323-03	14	9-25-24
CID-4-SW-5	09-323-04	9	9-25-24
CID-5-SW-5	09-323-05	24	9-25-24
CID-6-SW-5	09-323-06	29	9-25-24





Data Qualifiers and Abbreviations

- A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.
- B - The analyte indicated was also found in the blank sample.
- C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.
- E - The value reported exceeds the quantitation range and is an estimate.
- F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.
- H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.
- I - Compound recovery is outside of the control limits.
- J - The value reported was below the practical quantitation limit. The value is an estimate.
- K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.
- L - The RPD is outside of the control limits.
- M - Hydrocarbons in the gasoline range are impacting the diesel range result.
- M1 - Hydrocarbons in the gasoline range (toluene-naphthalene) are present in the sample.
- N - Hydrocarbons in the lube oil range are impacting the diesel range result.
- N1 - Hydrocarbons in diesel range are impacting lube oil range results.
- O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.
- P - The RPD of the detected concentrations between the two columns is greater than 40.
- Q - Surrogate recovery is outside of the control limits.
- S - Surrogate recovery data is not available due to the necessary dilution of the sample.
- T - The sample chromatogram is not similar to a typical _____.
- U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
- U1 - The practical quantitation limit is elevated due to interferences present in the sample.
- V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.
- W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.
- X - Sample extract treated with a mercury cleanup procedure.
- X1 - Sample extract treated with a sulfuric acid/silica gel cleanup procedure.
- X2 - Sample extract treated with a silica gel cleanup procedure.
- Y - The calibration verification for this analyte exceeded the 20% drift specified in methods 8260 & 8270, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.
- Y1 - Negative effects of the matrix from this sample on the instrument caused values for this analyte in the bracketing continuing calibration verification standard (CCVs) to be outside of 20% acceptance criteria. Because of this, quantitation limits and sample concentrations should be considered estimates.
- Z -
- ND - Not Detected at PQL
- PQL - Practical Quantitation Limit
- RPD - Relative Percent Difference





Analytical Laboratory Testing Services
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Chain of Custody

Page 1 of 1

Analytical Laboratory Testing Services 14648 NE 95th Street • Redmond, WA 98052 Phone: (425) 883-3881 • www.onsite-env.com						
Laboratory Number: 09-323						
Company: CJM Smith				(Check One) <input type="checkbox"/> Same Day <input checked="" type="checkbox"/> 1 Day <input type="checkbox"/> 2 Days <input type="checkbox"/> 3 Days <input type="checkbox"/> Standard (7 Days) <input type="checkbox"/> _____ (other)		
Project Name: Xinjiang Morca Island						
Project Manager: A. Welch						
Sampled by: T. Platt						
Lab ID		Date Sampled		Time Sampled		Matrix
Number of Containers						
NWTPH-HCID						
NWTPH-Gx/BTEX (8021 <input type="checkbox"/> 8260 <input type="checkbox"/>)						
NWTPH-Gx						
NWTPH-Dx (SG Clean-up <input type="checkbox"/>)						
Volatiles 8260						
Halogenated Volatiles 8260						
EDB EPA 8011 (Waters Only)						
Semivolatiles 8270/SIM (with low-level PAHs)						
PAHs 8270/SIM (low-level)						
PCBs 8082						
Organochlorine Pesticides 8081						
Organophosphorus Pesticides 8270/SIM						
Chlorinated Acid Herbicides 8151						
Total RCRA Metals						
Total MTCA Metals						
TCLP Metals						
HEM (oil and grease) 1664						
% Moisture						
1 CID-1-B-F		9/25/24	1330	SO	H	X
2 CID-2-B-F		9/25/24	1325	SO	H	X
3 CID-3-SW-5		9/25/24	1320	SO	H	X
4 CID-4-SW-5		9/25/24	1310	SO	H	X
5 CID-5-SW-5		9/25/24	1300	SO	H	X
6 CID-6-SW-5		9/25/24	1250	SO	H	X
Signature						
CJM Smith		COM Smith		Date	Time	Comments/Special Instructions
A. Welch		OSI		9/25/24	1530	
Data Package: Standard <input type="checkbox"/> Level III <input type="checkbox"/> Level IV <input type="checkbox"/>						
Chromatograms with final report <input type="checkbox"/> Electronic Data Deliverables (EDDs) <input type="checkbox"/>						



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September 27, 2024

August Welch
CDM Smith, Inc.
14432 SE Eastgate Way, Suite 100
Bellevue, WA 98007-6493

Re: Analytical Data for Project 295062
Laboratory Reference No. 2409-350

Dear August:

Enclosed are the analytical results and associated quality control data for samples submitted on September 26, 2024.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

A handwritten signature in black ink, appearing to read "DB", with a long horizontal flourish extending to the right.

David Baumeister
Project Manager

Enclosures



OnSite Environmental, Inc. 14648 NE 95th Street, Redmond, WA 98052 (425) 883-3881

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Date of Report: September 27, 2024
Samples Submitted: September 26, 2024
Laboratory Reference: 2409-350
Project: 295062

Case Narrative

Samples were collected on September 26, 2024 and received by the laboratory on September 26, 2024. They were maintained at the laboratory at a temperature of 2°C to 6°C.

Please note that any and all soil sample results are reported on a dry-weight basis, unless otherwise noted below. However the soil results for the QA/QC samples are reported on a wet-weight basis.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.



Date of Report: September 27, 2024
 Samples Submitted: September 26, 2024
 Laboratory Reference: 2409-350
 Project: 295062

VOLATILE ORGANICS EPA 8260D

page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	CID-7-SW-S					
Laboratory ID:	09-350-01					
Dichlorodifluoromethane	ND	0.0080	EPA 8260D	9-26-24	9-26-24	
Chloromethane	ND	0.0059	EPA 8260D	9-26-24	9-26-24	
Vinyl Chloride	ND	0.0059	EPA 8260D	9-26-24	9-26-24	
Bromomethane	ND	0.0059	EPA 8260D	9-26-24	9-26-24	
Chloroethane	ND	0.0059	EPA 8260D	9-26-24	9-26-24	
Trichlorofluoromethane	ND	0.0012	EPA 8260D	9-26-24	9-26-24	
1,1-Dichloroethene	ND	0.0012	EPA 8260D	9-26-24	9-26-24	
Acetone	ND	0.012	EPA 8260D	9-26-24	9-26-24	
Iodomethane	ND	0.015	EPA 8260D	9-26-24	9-26-24	
Carbon Disulfide	ND	0.0016	EPA 8260D	9-26-24	9-26-24	
Methylene Chloride	ND	0.0059	EPA 8260D	9-26-24	9-26-24	
(trans) 1,2-Dichloroethene	ND	0.0012	EPA 8260D	9-26-24	9-26-24	
Methyl t-Butyl Ether	ND	0.0012	EPA 8260D	9-26-24	9-26-24	
1,1-Dichloroethane	ND	0.0012	EPA 8260D	9-26-24	9-26-24	
Vinyl Acetate	ND	0.0059	EPA 8260D	9-26-24	9-26-24	
2,2-Dichloropropane	ND	0.0012	EPA 8260D	9-26-24	9-26-24	
(cis) 1,2-Dichloroethene	ND	0.0012	EPA 8260D	9-26-24	9-26-24	
2-Butanone	ND	0.0059	EPA 8260D	9-26-24	9-26-24	
Bromochloromethane	ND	0.0012	EPA 8260D	9-26-24	9-26-24	
Chloroform	ND	0.0012	EPA 8260D	9-26-24	9-26-24	
1,1,1-Trichloroethane	ND	0.0012	EPA 8260D	9-26-24	9-26-24	
Carbon Tetrachloride	ND	0.0012	EPA 8260D	9-26-24	9-26-24	
1,1-Dichloropropene	ND	0.0012	EPA 8260D	9-26-24	9-26-24	
Benzene	ND	0.0012	EPA 8260D	9-26-24	9-26-24	
1,2-Dichloroethane	ND	0.0012	EPA 8260D	9-26-24	9-26-24	
Trichloroethene	ND	0.0012	EPA 8260D	9-26-24	9-26-24	
1,2-Dichloropropane	ND	0.0012	EPA 8260D	9-26-24	9-26-24	
Dibromomethane	ND	0.0012	EPA 8260D	9-26-24	9-26-24	
Bromodichloromethane	ND	0.0012	EPA 8260D	9-26-24	9-26-24	
2-Chloroethyl Vinyl Ether	ND	0.012	EPA 8260D	9-26-24	9-26-24	
(cis) 1,3-Dichloropropene	ND	0.0012	EPA 8260D	9-26-24	9-26-24	
Methyl Isobutyl Ketone	ND	0.0059	EPA 8260D	9-26-24	9-26-24	
Toluene	ND	0.0059	EPA 8260D	9-26-24	9-26-24	



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Date of Report: September 27, 2024
 Samples Submitted: September 26, 2024
 Laboratory Reference: 2409-350
 Project: 295062

VOLATILE ORGANICS EPA 8260D

page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	CID-7-SW-S					
Laboratory ID:	09-350-01					
(trans) 1,3-Dichloropropene	ND	0.0012	EPA 8260D	9-26-24	9-26-24	
1,1,2-Trichloroethane	ND	0.0012	EPA 8260D	9-26-24	9-26-24	
Tetrachloroethene	ND	0.0012	EPA 8260D	9-26-24	9-26-24	
1,3-Dichloropropane	ND	0.0012	EPA 8260D	9-26-24	9-26-24	
2-Hexanone	ND	0.0059	EPA 8260D	9-26-24	9-26-24	
Dibromochloromethane	ND	0.0012	EPA 8260D	9-26-24	9-26-24	
1,2-Dibromoethane	ND	0.0012	EPA 8260D	9-26-24	9-26-24	
Chlorobenzene	ND	0.0012	EPA 8260D	9-26-24	9-26-24	
1,1,1,2-Tetrachloroethane	ND	0.0012	EPA 8260D	9-26-24	9-26-24	
Ethylbenzene	ND	0.0012	EPA 8260D	9-26-24	9-26-24	
m,p-Xylene	ND	0.0023	EPA 8260D	9-26-24	9-26-24	
o-Xylene	ND	0.0012	EPA 8260D	9-26-24	9-26-24	
Styrene	ND	0.0012	EPA 8260D	9-26-24	9-26-24	
Bromoform	ND	0.0059	EPA 8260D	9-26-24	9-26-24	
Isopropylbenzene	ND	0.0012	EPA 8260D	9-26-24	9-26-24	
Bromobenzene	ND	0.0012	EPA 8260D	9-26-24	9-26-24	
1,1,2,2-Tetrachloroethane	ND	0.0012	EPA 8260D	9-26-24	9-26-24	
1,2,3-Trichloropropane	ND	0.0012	EPA 8260D	9-26-24	9-26-24	
n-Propylbenzene	ND	0.0012	EPA 8260D	9-26-24	9-26-24	
2-Chlorotoluene	ND	0.0012	EPA 8260D	9-26-24	9-26-24	
4-Chlorotoluene	ND	0.0012	EPA 8260D	9-26-24	9-26-24	
1,3,5-Trimethylbenzene	ND	0.0012	EPA 8260D	9-26-24	9-26-24	
tert-Butylbenzene	ND	0.0012	EPA 8260D	9-26-24	9-26-24	
1,2,4-Trimethylbenzene	ND	0.0012	EPA 8260D	9-26-24	9-26-24	
sec-Butylbenzene	ND	0.0012	EPA 8260D	9-26-24	9-26-24	
1,3-Dichlorobenzene	ND	0.0012	EPA 8260D	9-26-24	9-26-24	
p-Isopropyltoluene	ND	0.0012	EPA 8260D	9-26-24	9-26-24	
1,4-Dichlorobenzene	ND	0.0012	EPA 8260D	9-26-24	9-26-24	
1,2-Dichlorobenzene	ND	0.0012	EPA 8260D	9-26-24	9-26-24	
n-Butylbenzene	ND	0.0012	EPA 8260D	9-26-24	9-26-24	
1,2-Dibromo-3-chloropropane	ND	0.0059	EPA 8260D	9-26-24	9-26-24	
1,2,4-Trichlorobenzene	ND	0.0012	EPA 8260D	9-26-24	9-26-24	
Hexachlorobutadiene	ND	0.0059	EPA 8260D	9-26-24	9-26-24	
Naphthalene	ND	0.0059	EPA 8260D	9-26-24	9-26-24	
1,2,3-Trichlorobenzene	ND	0.0012	EPA 8260D	9-26-24	9-26-24	
Surrogate:	Percent Recovery	Control Limits				
Dibromofluoromethane	103	69-124				
Toluene-d8	106	80-118				
4-Bromofluorobenzene	101	75-123				



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Date of Report: September 27, 2024
 Samples Submitted: September 26, 2024
 Laboratory Reference: 2409-350
 Project: 295062

VOLATILE ORGANICS EPA 8260D
QUALITY CONTROL

page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0926S1					
Dichlorodifluoromethane	ND	0.0068	EPA 8260D	9-26-24	9-26-24	
Chloromethane	ND	0.0050	EPA 8260D	9-26-24	9-26-24	
Vinyl Chloride	ND	0.0050	EPA 8260D	9-26-24	9-26-24	
Bromomethane	ND	0.0050	EPA 8260D	9-26-24	9-26-24	
Chloroethane	ND	0.0050	EPA 8260D	9-26-24	9-26-24	
Trichlorofluoromethane	ND	0.0010	EPA 8260D	9-26-24	9-26-24	
1,1-Dichloroethene	ND	0.0010	EPA 8260D	9-26-24	9-26-24	
Acetone	ND	0.010	EPA 8260D	9-26-24	9-26-24	
Iodomethane	ND	0.013	EPA 8260D	9-26-24	9-26-24	
Carbon Disulfide	ND	0.0014	EPA 8260D	9-26-24	9-26-24	
Methylene Chloride	ND	0.0050	EPA 8260D	9-26-24	9-26-24	
(trans) 1,2-Dichloroethene	ND	0.0010	EPA 8260D	9-26-24	9-26-24	
Methyl t-Butyl Ether	ND	0.0010	EPA 8260D	9-26-24	9-26-24	
1,1-Dichloroethane	ND	0.0010	EPA 8260D	9-26-24	9-26-24	
Vinyl Acetate	ND	0.0050	EPA 8260D	9-26-24	9-26-24	
2,2-Dichloropropane	ND	0.0010	EPA 8260D	9-26-24	9-26-24	
(cis) 1,2-Dichloroethene	ND	0.0010	EPA 8260D	9-26-24	9-26-24	
2-Butanone	ND	0.0050	EPA 8260D	9-26-24	9-26-24	
Bromochloromethane	ND	0.0010	EPA 8260D	9-26-24	9-26-24	
Chloroform	ND	0.0010	EPA 8260D	9-26-24	9-26-24	
1,1,1-Trichloroethane	ND	0.0010	EPA 8260D	9-26-24	9-26-24	
Carbon Tetrachloride	ND	0.0010	EPA 8260D	9-26-24	9-26-24	
1,1-Dichloropropene	ND	0.0010	EPA 8260D	9-26-24	9-26-24	
Benzene	ND	0.0010	EPA 8260D	9-26-24	9-26-24	
1,2-Dichloroethane	ND	0.0010	EPA 8260D	9-26-24	9-26-24	
Trichloroethene	ND	0.0010	EPA 8260D	9-26-24	9-26-24	
1,2-Dichloropropane	ND	0.0010	EPA 8260D	9-26-24	9-26-24	
Dibromomethane	ND	0.0010	EPA 8260D	9-26-24	9-26-24	
Bromodichloromethane	ND	0.0010	EPA 8260D	9-26-24	9-26-24	
2-Chloroethyl Vinyl Ether	ND	0.010	EPA 8260D	9-26-24	9-26-24	
(cis) 1,3-Dichloropropene	ND	0.0010	EPA 8260D	9-26-24	9-26-24	
Methyl Isobutyl Ketone	ND	0.0050	EPA 8260D	9-26-24	9-26-24	
Toluene	ND	0.0050	EPA 8260D	9-26-24	9-26-24	



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 Project: 295062

**VOLATILE ORGANICS EPA 8260D
 QUALITY CONTROL**

page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0926S1					
(trans) 1,3-Dichloropropene	ND	0.0010	EPA 8260D	9-26-24	9-26-24	
1,1,2-Trichloroethane	ND	0.0010	EPA 8260D	9-26-24	9-26-24	
Tetrachloroethene	ND	0.0010	EPA 8260D	9-26-24	9-26-24	
1,3-Dichloropropane	ND	0.0010	EPA 8260D	9-26-24	9-26-24	
2-Hexanone	ND	0.0050	EPA 8260D	9-26-24	9-26-24	
Dibromochloromethane	ND	0.0010	EPA 8260D	9-26-24	9-26-24	
1,2-Dibromoethane	ND	0.0010	EPA 8260D	9-26-24	9-26-24	
Chlorobenzene	ND	0.0010	EPA 8260D	9-26-24	9-26-24	
1,1,1,2-Tetrachloroethane	ND	0.0010	EPA 8260D	9-26-24	9-26-24	
Ethylbenzene	ND	0.0010	EPA 8260D	9-26-24	9-26-24	
m,p-Xylene	ND	0.0020	EPA 8260D	9-26-24	9-26-24	
o-Xylene	ND	0.0010	EPA 8260D	9-26-24	9-26-24	
Styrene	ND	0.0010	EPA 8260D	9-26-24	9-26-24	
Bromoform	ND	0.0050	EPA 8260D	9-26-24	9-26-24	
Isopropylbenzene	ND	0.0010	EPA 8260D	9-26-24	9-26-24	
Bromobenzene	ND	0.0010	EPA 8260D	9-26-24	9-26-24	
1,1,2,2-Tetrachloroethane	ND	0.0010	EPA 8260D	9-26-24	9-26-24	
1,2,3-Trichloropropane	ND	0.0010	EPA 8260D	9-26-24	9-26-24	
n-Propylbenzene	ND	0.0010	EPA 8260D	9-26-24	9-26-24	
2-Chlorotoluene	ND	0.0010	EPA 8260D	9-26-24	9-26-24	
4-Chlorotoluene	ND	0.0010	EPA 8260D	9-26-24	9-26-24	
1,3,5-Trimethylbenzene	ND	0.0010	EPA 8260D	9-26-24	9-26-24	
tert-Butylbenzene	ND	0.0010	EPA 8260D	9-26-24	9-26-24	
1,2,4-Trimethylbenzene	ND	0.0010	EPA 8260D	9-26-24	9-26-24	
sec-Butylbenzene	ND	0.0010	EPA 8260D	9-26-24	9-26-24	
1,3-Dichlorobenzene	ND	0.0010	EPA 8260D	9-26-24	9-26-24	
p-Isopropyltoluene	ND	0.0010	EPA 8260D	9-26-24	9-26-24	
1,4-Dichlorobenzene	ND	0.0010	EPA 8260D	9-26-24	9-26-24	
1,2-Dichlorobenzene	ND	0.0010	EPA 8260D	9-26-24	9-26-24	
n-Butylbenzene	ND	0.0010	EPA 8260D	9-26-24	9-26-24	
1,2-Dibromo-3-chloropropane	ND	0.0050	EPA 8260D	9-26-24	9-26-24	
1,2,4-Trichlorobenzene	ND	0.0010	EPA 8260D	9-26-24	9-26-24	
Hexachlorobutadiene	ND	0.0050	EPA 8260D	9-26-24	9-26-24	
Naphthalene	ND	0.0050	EPA 8260D	9-26-24	9-26-24	
1,2,3-Trichlorobenzene	ND	0.0010	EPA 8260D	9-26-24	9-26-24	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>101</i>	<i>69-124</i>				
<i>Toluene-d8</i>	<i>105</i>	<i>80-118</i>				
<i>4-Bromofluorobenzene</i>	<i>99</i>	<i>75-123</i>				



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 Samples Submitted: September 26, 2024
 Laboratory Reference: 2409-350
 Project: 295062

VOLATILE ORGANICS EPA 8260D
QUALITY CONTROL

page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result		Spike Level		Percent		Recovery		RPD	
					Recovery		Limits		RPD	Limit
SPIKE BLANKS										
Laboratory ID:	SB0926S1									
	SB	SBD	SB	SBD	SB	SBD				
Dichlorodifluoromethane	0.0367	0.0307	0.0500	0.0500	73	61	24-162	18	24	
Chloromethane	0.0460	0.0417	0.0500	0.0500	92	83	41-143	10	22	
Vinyl Chloride	0.0494	0.0445	0.0500	0.0500	99	89	52-141	10	20	
Bromomethane	0.0478	0.0439	0.0500	0.0500	96	88	37-145	9	23	
Chloroethane	0.0439	0.0470	0.0500	0.0500	88	94	54-148	7	19	
Trichlorofluoromethane	0.0521	0.0486	0.0500	0.0500	104	97	65-142	7	18	
1,1-Dichloroethene	0.0533	0.0501	0.0500	0.0500	107	100	74-133	6	16	
Acetone	0.0547	0.0486	0.0500	0.0500	109	97	50-159	12	38	
Iodomethane	0.0379	0.0329	0.0500	0.0500	76	66	36-133	14	31	
Carbon Disulfide	0.0348	0.0290	0.0500	0.0500	70	58	37-138	18	27	
Methylene Chloride	0.0507	0.0489	0.0500	0.0500	101	98	60-135	4	23	
(trans) 1,2-Dichloroethene	0.0557	0.0523	0.0500	0.0500	111	105	74-131	6	15	
Methyl t-Butyl Ether	0.0534	0.0506	0.0500	0.0500	107	101	76-129	5	15	
1,1-Dichloroethane	0.0532	0.0509	0.0500	0.0500	106	102	74-130	4	15	
Vinyl Acetate	0.0544	0.0501	0.0500	0.0500	109	100	58-146	8	21	
2,2-Dichloropropane	0.0549	0.0504	0.0500	0.0500	110	101	74-137	9	16	
(cis) 1,2-Dichloroethene	0.0554	0.0508	0.0500	0.0500	111	102	71-136	9	15	
2-Butanone	0.0519	0.0484	0.0500	0.0500	104	97	58-144	7	32	
Bromochloromethane	0.0547	0.0532	0.0500	0.0500	109	106	78-128	3	15	
Chloroform	0.0538	0.0514	0.0500	0.0500	108	103	75-128	5	15	
1,1,1-Trichloroethane	0.0536	0.0502	0.0500	0.0500	107	100	73-129	7	15	
Carbon Tetrachloride	0.0549	0.0510	0.0500	0.0500	110	102	69-134	7	15	
1,1-Dichloropropene	0.0547	0.0512	0.0500	0.0500	109	102	73-127	7	15	
Benzene	0.0542	0.0508	0.0500	0.0500	108	102	75-126	6	15	
1,2-Dichloroethane	0.0531	0.0504	0.0500	0.0500	106	101	70-133	5	15	
Trichloroethene	0.0560	0.0534	0.0500	0.0500	112	107	80-130	5	15	
1,2-Dichloropropane	0.0553	0.0538	0.0500	0.0500	111	108	78-131	3	16	
Dibromomethane	0.0567	0.0541	0.0500	0.0500	113	108	72-136	5	28	
Bromodichloromethane	0.0559	0.0539	0.0500	0.0500	112	108	80-129	4	15	
(cis) 1,3-Dichloropropene	0.0574	0.0550	0.0500	0.0500	115	110	80-132	4	17	
Methyl Isobutyl Ketone	0.0518	0.0486	0.0500	0.0500	104	97	62-146	6	22	
Toluene	0.0531	0.0513	0.0500	0.0500	106	103	78-124	3	17	
(trans) 1,3-Dichloropropene	0.0521	0.0485	0.0500	0.0500	104	97	80-130	7	15	



Date of Report: September 27, 2024
 Samples Submitted: September 26, 2024
 Laboratory Reference: 2409-350
 Project: 295062

VOLATILE ORGANICS EPA 8260D
QUALITY CONTROL

page 2 of 2

Analyte	Result		Spike Level		Percent		Recovery		RPD	
					Recovery		Limits	RPD	Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB0926S1									
	SB	SBD	SB	SBD	SB	SBD				
1,1,2-Trichloroethane	0.0566	0.0521	0.0500	0.0500	113	104	80-123	8	15	
Tetrachloroethene	0.0563	0.0529	0.0500	0.0500	113	106	80-130	6	15	
1,3-Dichloropropane	0.0537	0.0505	0.0500	0.0500	107	101	80-122	6	15	
2-Hexanone	0.0507	0.0487	0.0500	0.0500	101	97	61-143	4	30	
Dibromochloromethane	0.0506	0.0467	0.0500	0.0500	101	93	80-129	8	15	
1,2-Dibromoethane	0.0568	0.0534	0.0500	0.0500	114	107	80-125	6	15	
Chlorobenzene	0.0550	0.0510	0.0500	0.0500	110	102	80-119	8	15	
1,1,1,2-Tetrachloroethane	0.0571	0.0536	0.0500	0.0500	114	107	80-124	6	15	
Ethylbenzene	0.0554	0.0511	0.0500	0.0500	111	102	80-120	8	15	
m,p-Xylene	0.112	0.101	0.100	0.100	112	101	80-121	10	15	
o-Xylene	0.0552	0.0513	0.0500	0.0500	110	103	80-120	7	15	
Styrene	0.0590	0.0538	0.0500	0.0500	118	108	80-130	9	15	
Bromoform	0.0490	0.0461	0.0500	0.0500	98	92	79-132	6	15	
Isopropylbenzene	0.0582	0.0532	0.0500	0.0500	116	106	80-126	9	15	
Bromobenzene	0.0542	0.0503	0.0500	0.0500	108	101	80-124	7	15	
1,1,2,2-Tetrachloroethane	0.0544	0.0498	0.0500	0.0500	109	100	75-128	9	19	
1,2,3-Trichloropropane	0.0530	0.0498	0.0500	0.0500	106	100	74-128	6	19	
n-Propylbenzene	0.0544	0.0505	0.0500	0.0500	109	101	80-128	7	16	
2-Chlorotoluene	0.0541	0.0497	0.0500	0.0500	108	99	80-126	8	15	
4-Chlorotoluene	0.0556	0.0506	0.0500	0.0500	111	101	80-129	9	15	
1,3,5-Trimethylbenzene	0.0548	0.0503	0.0500	0.0500	110	101	80-129	9	15	
tert-Butylbenzene	0.0542	0.0505	0.0500	0.0500	108	101	80-129	7	15	
1,2,4-Trimethylbenzene	0.0542	0.0500	0.0500	0.0500	108	100	80-127	8	15	
sec-Butylbenzene	0.0553	0.0506	0.0500	0.0500	111	101	77-134	9	16	
1,3-Dichlorobenzene	0.0555	0.0503	0.0500	0.0500	111	101	80-125	10	15	
p-Isopropyltoluene	0.0555	0.0509	0.0500	0.0500	111	102	80-133	9	15	
1,4-Dichlorobenzene	0.0552	0.0507	0.0500	0.0500	110	101	78-127	8	15	
1,2-Dichlorobenzene	0.0543	0.0508	0.0500	0.0500	109	102	79-127	7	15	
n-Butylbenzene	0.0576	0.0524	0.0500	0.0500	115	105	80-136	9	17	
1,2-Dibromo-3-chloropropane	0.0493	0.0446	0.0500	0.0500	99	89	68-143	10	26	
1,2,4-Trichlorobenzene	0.0574	0.0534	0.0500	0.0500	115	107	77-142	7	19	
Hexachlorobutadiene	0.0545	0.0496	0.0500	0.0500	109	99	73-135	9	19	
Naphthalene	0.0554	0.0524	0.0500	0.0500	111	105	72-142	6	21	
1,2,3-Trichlorobenzene	0.0558	0.0523	0.0500	0.0500	112	105	77-139	6	19	
Surrogate:										
Dibromofluoromethane					101	100	69-124			
Toluene-d8					103	101	80-118			
4-Bromofluorobenzene					107	102	75-123			



OnSite Environmental, Inc. 14648 NE 95th Street, Redmond, WA 98052 (425) 883-3881

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: September 27, 2024
Samples Submitted: September 26, 2024
Laboratory Reference: 2409-350
Project: 295062

% MOISTURE

Client ID	Lab ID	% Moisture	Date Analyzed
CID-7-SW-S	09-350-01	24	9-26-24





Data Qualifiers and Abbreviations

- A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.
- B - The analyte indicated was also found in the blank sample.
- C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.
- E - The value reported exceeds the quantitation range and is an estimate.
- F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.
- H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.
- I - Compound recovery is outside of the control limits.
- J - The value reported was below the practical quantitation limit. The value is an estimate.
- K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.
- L - The RPD is outside of the control limits.
- M - Hydrocarbons in the gasoline range are impacting the diesel range result.
- M1 - Hydrocarbons in the gasoline range (toluene-naphthalene) are present in the sample.
- N - Hydrocarbons in the lube oil range are impacting the diesel range result.
- N1 - Hydrocarbons in diesel range are impacting lube oil range results.
- O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.
- P - The RPD of the detected concentrations between the two columns is greater than 40.
- Q - Surrogate recovery is outside of the control limits.
- S - Surrogate recovery data is not available due to the necessary dilution of the sample.
- T - The sample chromatogram is not similar to a typical _____.
- U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
- U1 - The practical quantitation limit is elevated due to interferences present in the sample.
- V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.
- W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.
- X - Sample extract treated with a mercury cleanup procedure.
- X1 - Sample extract treated with a sulfuric acid/silica gel cleanup procedure.
- X2 - Sample extract treated with a silica gel cleanup procedure.
- Y - The calibration verification for this analyte exceeded the 20% drift specified in methods 8260 & 8270, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.
- Y1 - Negative effects of the matrix from this sample on the instrument caused values for this analyte in the bracketing continuing calibration verification standard (CCVs) to be outside of 20% acceptance criteria. Because of this, quantitation limits and sample concentrations should be considered estimates.
- Z -
- ND - Not Detected at PQL
- PQL - Practical Quantitation Limit
- RPD - Relative Percent Difference





OnSite Environmental Inc.

Analytical Laboratory Testing Services
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Chain of Custody

Company: CDM Smith		Turnaround Request (in working days)		Laboratory Number: 09-350	
Project Number: 295062		(Check One) <input checked="" type="checkbox"/> Same Day <input checked="" type="checkbox"/> 1 Day <input type="checkbox"/> 2 Days <input type="checkbox"/> 3 Days <input type="checkbox"/> Standard (7 Days)			
Project Name: Ximphay, Mezer Island		Date Sampled: 9/26/24			
Project Manager: A. Welch		Time Sampled: 1445			
Sampled by: T. Platt		Matrix: SO			
Lab ID: CID-7-SW-S		Number of Containers: 5			
		NWTPH-HCID			
		NWTPH-Gx/BTEX (8021 <input type="checkbox"/> 8260 <input 2"="" type="checkbox/>)</td><td colspan="/>			
		NWTPH-Gx			
		NWTPH-Dx (SG Clean-up <input 2"="" type="checkbox/>)</td><td colspan="/> No DR			
		Volatiles 8260		X	
		Halogenated Volatiles 8260			
		EDB EPA 8011 (Waters Only)			
		Semivolatiles 8270/SIM (with low-level PAHs)			
		PAHs 8270/SIM (low-level)			
		PCBs 8082			
		Organochlorine Pesticides 8081			
		Organophosphorus Pesticides 8270/SIM			
		Chlorinated Acid Herbicides 8151			
		Total RCRA Metals			
		Total MTCA Metals			
		TCLP Metals			
		HEM (oil and grease) 1664			
		% Moisture		X	
Signature: [Signature]		Company: CDM Smith		Date: 9/26/24	
Received		OSZ		Time: 1530	
Relinquished					
Received					
Relinquished					
Received					
Relinquished					
Reviewed/Date		Reviewed/Date		Data Package: Standard <input type="checkbox"/> Level III <input type="checkbox"/> Level IV <input type="checkbox"/>	
				Chromatograms with final report <input type="checkbox"/> Electronic Data Deliverables (EDDs) <input type="checkbox"/>	