CONSTRUCTION COMPLETION REPORT

Spic'n Span Cleaners Thermal Remediation

Prepared for: Spic'n Span Cleaners

Project No. 060172 • May 19, 2023 FINAL





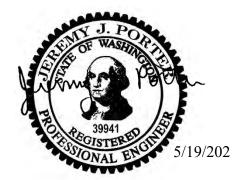
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Aspect Consulting, LLC



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Acronyms

APH Air-Phase Hydrocarbon

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bgs below ground surface

BETX benzene, ethylbenzene, toluene and xylenes

CDF controlled density fill

CID contained-in determination

CUL Cleanup level

CY cubic yard

DCI Seattle Department of Construction and Inspections

DHE DH Environmental

Ecology Washington Department of Ecology

EDR Engineering Design Report

ERH electrical resistance heating

GAC granular activated carbon

gpm gallons per minute

HBM hazardous building materials

HSA hollow stem auger

ISRD International Special Review District Board

KCIW King County Industrial Waste

Massachusetts Department of Environmental Protection

mg/kg milligrams/kilograms

mg/L milligrams per liter

μg/L micrograms per liter

MTCA Model Toxics Control Act

NFA No Further Action

ORP oxidation-reduction potential

PCC Pacific Coast Carbon

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PCE tetrachloroethylene

PSCAA Puget Sound Clean Air Agency

PSE Puget Sound Energy
PVC polyvinyl chloride

RI/FS Remedial Investigation/Feasibility Study

SAP Sampling and Analysis Plan

SDOT Seattle Department of Transportation

SHJ Electric Co., Inc.

SSF Swenson Say Faget

SVE soil vapor extraction

TCE trichloroethylene

TEF toxic equivalency factor

TPH total petroleum

TRS Group, Inc.

UST underground storage tank

VC vinyl chloride

VCP Voluntary Cleanup Program

VOC volatile organic compound

WAC Washington Administrative Code

WDNR Washington Department of Natural Resources

1 Introduction

This report documents the installation, startup, and operations of the electrical resistance heating (ERH) thermal remediation system at the Spic'n Span Site and the confirmation sampling activities conducted during and after treatment. The remediation system is being operated as a cleanup action to address total petroleum (TPH) as mineral spirits, perchloroethene (PCE), and associated degradation products trichloroethene (TCE), cis-1,2-dichloroethene (cis-DCE), and vinyl chloride (VC) occurrences in soil and groundwater. This cleanup is being conducted under the Washington State Department of Ecology's (Ecology) Voluntary Cleanup Program (VCP).

1.1 Objectives

The draft Remedial Investigation, Feasibility Study, and Cleanup Action Plan (RI/FS/CAP) identified *in situ* thermal treatment using ERH and natural attenuation as the preferred remedy for the Site (Aspect, 2011). The ERH system was designed to remove volatile organic compounds (VOCs) from impacted soil and groundwater onsite. The Final Technical Approach (Technical Approach; TRS, 2019) and the Engineering Design Report (EDR; Aspect, 2019) provides the full design details.

ERH is a process whereby soils and groundwater are heated by passing an electrical current through the subsurface volume to be remediated. The power control unit (PCU) delivers energy to electrodes for soil and groundwater heating. The resistance produced by the soil matrix from the flow of electricity between electrodes heats the subsurface and boils a portion of the soil moisture into steam. The heat generated by resistance to the induced electrical current also evaporates the target contaminants. Vapor recovery wells produce a vacuum influence on the treatment area and collect the *in situ* steam and evaporated contaminants generated by ERH.

1.2 General Description of the Site

The Spic'n Span Cleaners Site includes the former Spic'n Span Cleaners property (Property: King County Tax parcel number 5247802385, located at 652 South Dearborn Street in Seattle, Washington – see Figure 1) and portions of adjacent properties and rights-of-way where contaminants have come to be located. The Site is located approximately 2,600 feet east of Elliott Bay. The surrounding area is generally flat, with a gradual slope to the west. The Site surface is covered with either buildings or pavement. The property size is approximately 13,000 square feet.

The Site is located in mixed residential, commercial, and light industrial area. Adjacent land use includes parking lots to the north and east, a warehouse to the south, and an office building to the west. The Site is within the City of Seattle water service area, and there is no known use of groundwater in the immediate vicinity.

The property is located near the historical shoreline of Elliott Bay. The tide flats in this area were filled in the early 1900s. Historical aerial photographs indicate that the Site was

vacant as of 1938. According to King County assessor records, the two existing one-story structures were built in 1963.

Dry cleaning operations were conducted at the Site from 1963 to 2019. A Site plan showing locations of various historical operations is provided on Figure 2. The southern building is approximately 4,800 square feet and included the retail counter, clothes racks, offices, and steam presses. The northern building is approximately 1,800 square feet and included dry cleaning equipment, laundry equipment, a boiler, and a storage room. The two sections are connected by a covered breezeway in which delivery trucks park.

Site operations previously used mineral spirits (a petroleum solvent typically quantified in the gasoline hydrocarbon range) and PCE as dry-cleaning solvents.

Commercial property use concluded, and all drycleaning equipment and materials were removed from the Property, prior to the installation & operations of the ERH system.

1.3 Project Organization and Responsibilities

The primary parties involved in construction and operation of the thermal cleanup action were:

- Washington State Department of Ecology (Ecology). Cleanup is being conducted under VCP No. NW2564. Ecology concurred with the implementation of the thermal treatment remedy in its opinion letter dated February 25, 2013.
- The City of Seattle (City). The property is located inside City limits. Installation of piping and wells installed in the street right-of-way were conducted under a City street use permit. A service letter from Seattle City Light was obtained to install the temporary transformer, power poles, and power drop.
- **King County Industrial Waste (KCIW).** Wastewater produced by the removal of groundwater as steam and contaminant vapors during cleanup was treated and discharged to the sanitary sewer under a minor discharge permit from KCIW.
- **Property Owner.** Gerald Ostroff is the owner of the 652 S Dearborn Street property.
- **Engineer.** Aspect Consulting, LLC (Aspect) designed the cleanup action, was Spic'n Span's representative for supervising remedial construction, and is conducting performance monitoring.
- **Thermal Contractor.** TRS Group, Inc. (TRS) designed the ERH system and was contracted with the Property Owner to install the ERH system.
- Construction Contractor. Clearcreek Contractors, Inc. (Clearcreek) was contracted with the Engineer to install portions of the ERH system.
- **Drilling Contractor (Driller).** Holt Drilling (Holt) was contracted with the Engineer to install the electrodes, vapor recovery wells, and monitoring wells, and decommission monitoring wells using hollow-stem auger techniques.
- Waste Contractor. DH Environmental (DHE) was contracted with Spic'n Span, the former operator, to coordinate waste disposal.

2 System Installation

The ERH system was installed between July 2019 and June 2021 in two phases:

- 1. Subsurface installation
- 2. Surface installation

2.1 Construction Schedule

A chronological listing of the major components of construction is as follows:

Dates of Work	Construction Activity
July 30, 2019 – August 19, 2019	Mobilization
August 19, 2019 – November 19, 2019	Subsurface Installation – drilling, electrode installation, trenching, & piping and electrical connections
November 19, 2019 – June 18, 2021	Surface Installation – piping, transformer, GAC vessels, & electrical connections

2.2 Pre-Construction Preparation

Prior to construction of the ERH system, the Spic'n Span building was prepared for drilling access and thermal treatment, which included hazardous building materials (HBM) assessment and abatement, structural assessment, building modifications, and utility disconnection.

2.2.1 Permits and Approvals

The following key permits and approvals were required to install and operate the ERH system:

- Certificate of approval from the International Special Review District for Site
 alterations due to the remediation project, obtained on December 17, 2018.
 Approval of the final fence mural design was obtained on May 22, 2019.
 Approval of the changes to the transformer location and secondary containment
 pad was obtained on February 10, 2020. These certificates are included in
 Appendix A.
- Wastewater discharge authorization from King County Industrial Waste. This authorization was obtained on January 24, 2020. An extension was granted on December 9, 2021, for a revised expiration date of February 1, 2023. Both authorizations are included in Appendix A.
- A service letter from Seattle City Light to provide electrical power to the Site. This service letter was obtained on May 3, 2019, and is included in Appendix A.

- Agreement with the owner of the north-adjacent parking lot, KeyBank, allowing installation, operation, and monitoring of ERH components.
- A street use permit from the Seattle Department of Transportation (SDOT) to allow electrode drilling and utility trenching in the adjacent rights-of-way. This permit was obtained on October 25, 2019, and is included in Appendix A.
- A building permit from the Seattle Department of Construction and Inspections (DCI) to allow modification of doorways inside the Site building to allow access by drill rigs. DCI determined this work could be performed under a Subject-to-Field-Inspection permit, which is included in Appendix A.
- A permit application for vapor treatment and discharge was submitted to the Puget Sound Clean Air Agency (PSCAA); however, PSCAA determined that the system was exempt. The exemption letter is provided in Appendix A.

2.2.2 Asbestos Abatement

A hazardous building materials assessment conducted by Elisabeth Black of EMB Consulting on May 10, 2019, identified asbestos-containing materials (ACM) within the building that would potentially be disturbed during building modifications required for subsurface installation activities. The targeted regulated building material inspection by EMB Consulting is included as Appendix B.

DHE subcontracted with Walker Specialty Construction, Inc. (Walker) to execute the asbestos abatement on August 26, 2019. The abatement consisted of the removal of approximately 400 square feet of tile, 1,000 linear feet of insulated piping, and 75 insulated pipe fittings. Transport and disposal of asbestos-containing material was conducted by Walker. The ACM assessment and disposal documents are provided in Appendix B.

2.2.3 Structural Assessment

Swenson Say Faget (SSF) provided structural engineering support during building modifications and during thermal treatment. SSF reviewed the building plans and current building conditions and provided recommendations for the pre-drilling building modifications. Additionally, SSF assessed the effects of heating the soil on the structural components of the building. SSF conducted monthly structural building assessments before and during system operations from September 2021 to January 2022. SSF observed no new or worsening structural conditions during the operation of the thermal treatment system. Structural building monitoring is planned to continue on a quarterly basis for one year, and SSF will provide a final report documenting the results at the conclusion of monitoring.

2.2.4 Building Modifications

Openings in the northern Spic'n Span building had to be enlarged in order to accommodate a drill rig for installation of electrodes and VR wells. Three non-load bearing walls between the four western rooms in the northern building were removed, and the load bearing doorway into the second most western room in the northern building was enlarged and reinforced. The interior walls for the office space in the northwest corner of the southern building was also demolished to provide access for the drill rig. A

structural engineer provided recommendations for these modifications, as discussed in Section 2.2.3.

2.2.5 Utility Disconnection

The treatment system was designed around buried utilities to mitigate the potential for preferential pathways, but in some cases, utilities needed to be protected from the high subsurface temperatures or disconnected. The gas meter was removed on August 20, 2019, and the gas line was cut and capped on August 21, 2019, by Puget Sound Energy (PSE).

During installation of ERH subsurface piping on the KeyBank Property, a 6-inch polyvinyl chloride (PVC) pipe was encountered at a depth of 4 feet. Subsequent discussions with KeyBank determined that this line was an active storm drain line running from the KeyBank Building to the Maynard Ave South sewer line. Approximately 100 feet of this line was replaced with a nonconductive, higher-temperature rated material to avoid potential damage during the treatment period, as described in Section 2.3.5.

Electricity was left on in the main building to provide power for the entrance area and overhead lights. Water service was maintained to provide makeup water for cooling of the thermal treatment system and to maintain moisture around electrodes.

2.3 Subsurface Installation

Subsurface construction of the ERH system included the electrodes, vapor recovery wells, monitoring well installation and decommissioning, and trenching and piping installation. Wells were installed by licensed drillers (Holt) in accordance with applicable well construction regulations (WAC 173-160). Prior to well drilling or trenching, private and public utility locates were performed. The work was conducted under applicable regulations and permits, including a City of Seattle street use permit for wells and trenches in the City right-of-way (Appendix A). Boring logs, and well construction details for monitoring wells, are included in Appendix C. ERH system as-builts are included in TRS's Electrical Resistance Heating Final Report (Final Report; TRS, 2022).

2.3.1 Electrode Installation

Holt and TRS installed 52 electrodes within the treatment zone with an average spacing of 15 feet (see Figure Y-1 of TRS's Final Report). Electrode boreholes were drilled with a 12-inch diameter auger down to 28 feet below ground surface (bgs) and backfilled with conductive material to 5 feet bgs, sand to 1.5 feet bgs, and neat cement to the surface. There were four treatment areas with varying target depths:

- Area A (4 to 26 feet bgs)
- Area B (6.5 to 26 feet bgs)
- Area C (1 to 26 feet bgs)
- Area D (10 to 26 feet bgs).

Electrodes located outside the buildings were completed with flush mount monuments at the surface. Electrode installation began in August 2019 and was completed in November 2019.

2.3.2 Vapor Recovery Well Installation

Holt and TRS installed 26 independently located VR wells and 19 VR wells collocated with electrodes. VR wells were drilled with a 12-inch-diameter auger down to 10 feet bgs and backfilled with sand around the chlorinated PVC (CPVC) vapor recovery screen to 2 feet bgs and controlled density fill (CDF) to the surface. VR well installation began in August 2019 and was completed in November 2019.

2.3.3 Monitoring Well Installation

Four new monitoring wells of stainless-steel construction were installed within the treatment area: two new wells on the KeyBank Property (MW-11 and MW-12), one new well on the Spic'n Span property (MW-10), and one replacement well (MW-5R) for an existing PVC well. The wells were installed in accordance with draft Sampling and Analysis Plan (SAP; Aspect, 2016).

Screen depths were based on matching existing well screen depths when available, and matching depths of exceedances from direct push borings. Well installation and soil logging were documented by an Aspect geologist using boring logs and well construction logs. After logging soils, all drill cuttings were containerized for disposal, detailed in Section 2.5 below. A well survey to measure well casing elevations relative to the existing monitoring well network was performed by Aspect on July 18, 2022, after completion of thermal treatment because the fittings installed for operation to prevent steam flashing during sampling did not allow gauging of water depths. Well construction details are included in Table 1. As-built boring and well construction logs are provided in Appendix A. Well casing elevations and depth-to-water measurements from June 2022 are included in Table 2.

Monitoring wells were drilled to a depth of approximately 30 feet using hollow stem auger (HSA) techniques, and continuous soil samples were collected for logging. Borings were advanced with 8-inch-diameter rods. Wells were constructed with 2-inch-diameter PVC with 20-foot-long, 0.010-inch slot stainless steel screens. The filter pack was 20/40 silica sand. An annular seal consisting of bentonite chips was placed above the filter pack. An 8-inch minimum surface seal was installed with an auger. Flush-mount monuments were installed by the Driller to allow access to these wells.

Monitoring wells were developed to facilitate a good hydraulic connection with the subsurface. Water removed from the wells was placed in 55-gallon drums for later disposal. Disposal is described in Section 2.5 below.

2.3.4 Well Decommissioning

Existing wells within the treatment area that were constructed of PVC were decommissioned by Holt. This included four monitoring wells, one soil vapor extraction (SVE) well, and seven sparge wells. The wells were grouted in place in accordance with WAC 173-160-381 during the subsurface installation activities.

2.3.5 Trenching and Piping Installation

Clearcreek completed the trenching, backfilling, and restoration tasks conducted during the subsurface installation phase of the project, in accordance with the Technical Approach. These activities were conducted in two phases—the first at the KeyBank Property and the second at the Spic'n Span Property.

2.3.5.1 KeyBank Property

Approximately 305 lineal feet of 3-inch-thick asphalt was cut, removed, and disposed of offsite to access the trench locations in the KeyBank parking lot. Soil from four trenches for the electrode, VR piping, and cables were excavated by Clearcreek, with dimensions of approximately 2-feet wide by 2-feet deep.

Approximately 100 lineal feet of 3-inch-thick asphalt was cut, removed, and disposed of offsite to replace the storm drain line in the treatment area identified in Section 2.2.3. Clearcreek excavated soil to a depth of 4 feet and then cut out and removed the existing storm drain line. The storm drain line was replaced with 6-inch CPVC pipe, which can withstand the high subsurface temperatures during treatment.

Following pipe installation (described in Section 2.3.5.3), the trenches were backfilled with CDF to provide structural support for the parking lot. The surface of the KeyBank parking lot was restored with 3-inch-thick asphalt and sealed seams, and the parking spots were re-striped.

2.3.5.2 Spic'n Span Property

Approximately 16 lineal feet of 3-inch-thick asphalt and 74 lineal feet of concrete was cut, removed, and disposed of offsite to access the trench locations in the Spic'n Span parking lot and right-of-way. Approximately 15 lineal feet of decorative bricks from a section of sidewalk on the corner of Maynard Ave South and South Dearborn Street were removed for trenching and will be restored after the cooldown period.¹

Clearcreek excavated soil from nine trenches for the electrode, VR piping, and cables, with dimensions of approximately 2-feet wide by 2-feet deep. The trenches extended from the property into the sidewalk rights-of-way.

Following pipe installation (described in Section 2.3.5.3), the trenches were backfilled with CDF to provide structural support for the parking lot and sidewalk. The surfaces were restored with concrete patches, and flush-mount monuments were installed at the end of trenches for access to the electrodes and VRs.

During clearing of electrodes inside the breezeway, three steel pipes associated with the former underground storage tanks (USTs) were encountered at an approximate depth of 4 feet. These pipes needed to be removed to prevent potential short circuiting during treatment. Approximately 25 lineal feet of concrete was cut, removed, and disposed of offsite to access the pipes in the Spic'n Span breezeway. Clearcreek excavated a trench measuring 25 feet in length by 4 feet in depth and removed the pipes. The excavated soil was reused as backfill in the breezeway trench, and the surface was restored with asphalt.

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¹ The decorative bricks were stored inside the locked Spic'n Span building during treatment but despite the fence and Site security, the bricks were stolen and will need to be replaced.

2.3.5.3 Pipe Installation

Following the excavation of trenches, TRS installed CPVC piping according to the design plans in the Technical Approach for the VR and drip tube connections prior to the CDF backfill. The piping installation is described in more detail in TRS's Final Report.

2.4 Surface Installation

Following the completion of the subsurface installation, TRS installed the ERH equipment, and Aspect coordinated installation of the carbon vessels, oil containment and transformer pad, and electrical connection. Representative photographs of surface construction are provided in Appendix D.

2.4.1 Equipment

The PCU, condenser, cooling towers, electrode cables, VR piping, VR blower, temperature monitoring system, and security system were installed by TRS from November 2019 through June 2021, with delays due to the coronavirus pandemic and revised permit requirements by SCL for the transformer. The condenser and cooling towers were located in the southwest corner of the Site. The blower and PCU were located on the south side of the Spic'n Span building, underneath the carport. A conex box for equipment storage was set up in the northwest corner of the Spic'n Span Property. The equipment installation is described in more detail in TRS's Final Report (TRS, 2022).

2.4.2 Carbon Vessels and Condensate Storage

The granular activated carbon (GAC) vessels used to treat extracted vapor were provided by Pacific Coast Carbon (PCC) of Ridgefield, Washington. PCC delivered six 2,000-lb vapor phase vessels and the GAC for both the vapor (VGAC) and liquid (LGAC) phase treatment on July 7, 2021. The six VGAC vessels were installed with a forklift inside the fence doors on the south side of the Spic'n Span building. TRS provided two 200-lb liquid phase vessels and installed piping and fittings to connect the LGAC and VGAC vessels to the treatment system.

2.4.3 Transformer and Power Poles

The locations of the transformer and oil containment area were adjusted with SCL approval from the original Technical Approach, due to updated SCL construction standard 0724.50 (effective on May 21, 2019). Clearcreek excavated the conduit trench and constructed the oil containment system and transformer pad in accordance with SCL construction standards 0724.50 and 0735.50, as shown on the design plans on Figure Y-1B of TRS's Final Report.

Installation of the conduit consisted of cutting approximately 40 lineal feet of asphalt, excavating clean soil for trenches for the conduit, and installation of the conduit upon approval from the SCL inspector. Construction of the oil containment system and transformer pad included cutting 260 square feet of asphalt, excavating approximately 27 tons of clean soil, building forms for the concrete, pouring the concrete, installing the HFF-FR3 oil stop valve, and building an asphalt ramp for SCL access. Clearcreek also installed 8-inch high-visibility bollards on the south and east sides of the transformer in accordance with SCL guidelines.

The final location of the transformer at the Site is shown on Y-1B of TRS's Final Report. The temporary transformer was installed by SCL on June 16, 2021. SCL connected the overhead power to the transformer on June 18, 2021.

Temporary power poles were installed by SCL on March 26, 2021, to provide power to the transformer. The location of the power poles was adjusted from the proposed location in the Technical Approach to eliminate the need for tree trimming on South Dearborn Street.

2.4.4 Electrical Connection

SHJ Electric Co., Inc. (SHJ) of Seattle, Washington, connected the electrical service for the equipment on June 18, 2021. TRS was onsite to observe and test their equipment.

2.4.5 Security Fence

Following construction of the oil containment area and transformer pad, an 8-foot-tall security fence was installed around Spic'n Span property as shown on Figure Y-1 of TRS's Final Report. The fence was constructed of vinyl-coated chain link and wooden beams, with a mural painted on fence screen by Urban Artworks as required by the International Special Review District Board (ISRD). The Certificate of Approval from the ISRD is attached as Appendix A.

2.5 Management and Disposal of Soil and Groundwater

Soil and groundwater generated during well installation and trenching activities were managed in accordance with the Technical Approach. Soil was managed as potentially F-listed hazardous waste by placing into lined and covered 20-CY roll-off boxes pending characterization. Characterization was conducted by collecting approximately 1 sample per container. After characterization, soil containing detectable concentrations of PCE or TCE was transported and disposed of as hazardous waste. Quantities and methods of disposal are summarized below. Laboratory certificates of analysis are provided in Appendix F.

Approximately 27 tons of clean (i.e., no detectable contaminants) soil and surface cover materials were generated from the transformer pad and secondary containment construction. These soils were disposed of by the Contractor.

Approximately 82.63 tons of hazardous waste soil was generated from trenching activities on the KeyBank property during construction. Approximately 114.81 tons of hazardous waste soil was generated from trenching activities on the Spic'n Span property during construction. These soils were disposed of by DHE at a RCRA Subtitle C waste treatment and disposal facility. The waste manifests for hazardous soil disposal are located in Appendix E.

Prior to the building modifications, materials from the dry-cleaning operations and IDW from previous investigations was removed from the building. Approximately 40 gallons of wastewater containing petroleum products, 430 gallons of F-listed hazardous wastewater, and 3 gallons of unregulated wastewater were removed from the building on September 20, 2019. An additional 125 gallons of F-listed hazardous wastewater and 0.36 gallons of cleaning liquids were removed on September 24, 2019. The wastewater

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was disposed of by DHE at a RCRA Subtitle C waste treatment and disposal facility. The waste manifests for hazardous wastewater disposal are provided in Appendix E.

Approximately 754 gallons of F-listed hazardous wastewater was generated from decontamination activities during electrode installation by the drillers. The wastewater was disposed of by DHE at a RCRA Subtitle C waste treatment and disposal facility on December 12, 2019. The waste manifests for hazardous wastewater disposal are located in Appendix E.

Approximately 6 gallons of F-listed caustic hazardous wastewater was generated from concrete cutting. The wastewater was disposed of by DHE at a RCRA Subtitle C waste treatment and disposal facility on December 20, 2019. The waste manifests for hazardous wastewater disposal are located in Appendix E.

Approximately 142 gallons of wastewater was generated from well development and sampling activities. The wastewater was treated with the LGAC system on Site and discharged to the sanitary sewer under the KCIW permit.

3 Baseline Groundwater Monitoring

Groundwater monitoring was conducted on November 20, 2019, and January 6, 2020, prior to operation of the ERH system to establish baseline conditions at new wells and to evaluate conditions at downgradient wells. Groundwater sampling locations are shown on Figure 2 and include existing monitoring wells MW-4, MW-5R, and MW-6, and new wells MW-10, MW-11, and MW-12.

Groundwater levels were measured using a water level indicator. Groundwater samples were collected using low-flow sampling techniques with a peristaltic pump and dedicated tubing. Field parameters measured during sampling included turbidity, temperature, pH, conductivity, dissolved oxygen, and oxidation-reduction potential (ORP).

The wells were sampled and analyzed for VOCs by Environmental Protection Agency (EPA) Method 8260 and gasoline-range TPH (TPH-G) by Method NWTPH-Gx. Analytical results from the groundwater samples are summarized in Table 3, and laboratory certificates of analysis from OnSite Environmental Inc. (OnSite) in Redmond, Washington are provided in Appendix E. The groundwater concentration of PCE at MW-11 (11 $\mu g/L$) exceeded the Site cleanup level (CUL) of 5 $\mu g/L$. The groundwater concentrations of cis-DCE at MW-4 (36 $\mu g/L$) and MW-10 (38 $\mu g/L$) exceeded the Site CUL of 16 $\mu g/L$. The groundwater concentrations of vinyl chloride at MW-4 (31 $\mu g/L$), MW-5R (2.8 $\mu g/L$), MW-6 (1.2 $\mu g/L$), and MW-10 (1.4 $\mu g/L$) exceeded the Site CUL of 0.2 $\mu g/L$.

4 ERH Operation and Compliance Monitoring

TRS started the ERH system on August 5, 2021. Monitoring during system operation included vapor discharge monitoring, remediation system operating parameters, and wastewater discharge monitoring. Vapor discharge monitoring results and remediation system operating parameters are summarized in Table 4. The estimated APH and PCE mass removal of the system is included in Table 4.

4.1 System Operation and Optimization

Based on the system operational data and results of the confirmation soil and groundwater sampling events in November and December 2021 (see Sections 5.1 and 5.2 for details), when treatment was considered complete in a particular area, power from these areas was redirected to other areas still requiring treatment. The three southernmost electrodes (the P row in the South Dearborn right-of-way) were taken offline on December 3, 2021. A subset of electrodes on the KeyBank property (B3 through B5 and C3 through C5) were taken offline on December 20, 2021. Four electrodes (N4 though N6) in the southern part of the treatment area were taken offline on January 7, 2022. After electrodes were taken offline, the VR system continued to operate, but at a lower flow rate, in those areas.

4.2 Vapor Discharge Monitoring

Vapor discharge treatment and monitoring was not required by PSCAA per the exemption letter received on February 25, 2016, due to the system operation having a "de minimis impact on air quality and not posing a threat to human health or the environment" (Appendix A). However, vapor produced during the operation of the ERH system was treated with GAC vessels before being discharged to the atmosphere, in accordance with the expectations of the International Special Review District to address community concerns, and to reduce potential odors from the system.

Routine monitoring was conducted in accordance with the EDR to calculate mass removal and evaluate VGAC breakthrough for scheduling changeouts. Monitoring consisted of biweekly recording of PID readings from the influent, mid-point, and effluent lines as well as collecting vapor samples in a summa canister from the influent and effluent for laboratory analysis. Vapor samples were collected weekly for the first month of operation, every other week for the next 4 months, and once during the final month of operation. Vapor samples were analyzed for VOCs by EPA Method TO-15 and petroleum fractions by the Massachusetts Department of Environmental Protection (MassDEP) Air-Phase Hydrocarbon (APH) method. Vapor monitoring data, including PID readings, are summarized in Table 4. Laboratory certificates of analysis from Friedman & Bruya Inc. are provided in Appendix F. After a ramp-up period, the maximum mass removal rate of APH occurred in October 2021 and began to level off by early November. The maximum PCE mass removal rate was achieved in September and then began to level off by early October.

The VGAC influent, mid-point, and effluent PID results were evaluated after each monitoring event to evaluate vessel breakthrough. From August 5, 2021, to January 29, 2022, three VGAC vessels achieved breakthrough and were changed out. Changeouts

occurred on October 8 (vessel 1), October 27 (vessel 2), and December 22 (vessel 3). Out of the six GAC vessels on Site, three achieved breakthrough, two were used for the final phase of the system, and one remained unused.

4.3 Sewer Discharge Compliance Monitoring

All water generated onsite during the operation of the ERH system was treated with GAC before being discharged to the sanitary sewer. Sewer discharge monitoring was required per the King County Wastewater Minor Discharge Authorization (Appendix A). In accordance with the permit requirements, self-monitoring included sampling of effluent and analysis for chlorinated VOCs (PCE, TCE, cis-DCE, trans-DCE, VC) on a monthly basis, and non-polar fats, oils, and grease (FOG) on a quarterly basis. Sampling was initially conducted monthly from the influent, midpoint, and effluent of the two LGAC vessels to evaluate the potential for breakthrough. Based on low concentrations detected, sampling was reduced to minimum discharge authorization requirements. No changeout of the LGAC was required during system operation.

Quarterly discharge monitoring was conducted between August 5, 2021, and January 26, 2022. The pH remained within acceptable limits, non-polar FOG was not detected, and VOCs remained below the limits for permitted discharge. A total of 219,754 gallons of water were discharged to the sanitary sewer during the operation of the ERH system.

5 Performance and Confirmation Sampling

Performance monitoring during system operation provided data to inform system operation. As noted above, once soil and groundwater sampling indicated portions of the Site were below Site cleanup levels, TRS redirected energy to remaining regions that were above cleanup levels. During ERH operation, three soil sampling events and two groundwater sampling events were completed. Soil and groundwater samples were collected in accordance with the hot soil sampling standard operating procedures defined in the draft Sampling and Analysis Plan, which was approved by Ecology (SAP; Aspect, 2016). Soil analytical results are included in Table 5, and groundwater analytical results are included in Table 3. Laboratory certificates of analysis from OnSite are provided in Appendix F.

5.1 Soil Sampling

Two rounds of performance soil sampling were conducted to provide data for system optimization and shutdown, with the first round in November and December 2021 and the second round in January 2022. Sampling locations CB-1 through CB-14 were selected based on areas of historically high soil concentrations and are shown on Figure 3.

There were two minor deviations from the proposed confirmation sampling plan. CB-12 was moved 5 feet to the east onto the property boundary from its proposed location due to a temporary holiday moratorium for right-of-way permitting and CB-14 was drilled at an angle to collect the target depth intervals due to access constraints between the ERH system and the building.

The first soil sampling event occurred in November 2021 after the ERH system reached approximately 60 percent of the power usage goal. On November 18 to 19 and November 22 to 23, Holt operated a limited access direct-push drill rig to advance the stainless-steel samplers at confirmation borings CB-1 through CB-14 with a target depth of 28 feet. At least one sample was collected from each of four depth intervals (0- to 7-feet, 7- to 14-feet, 14- to 21-feet, and 21- to 28-feet) with specific sampling depths based on field screening or depth of historical exceedances. Samples were submitted to OnSite for analysis of VOCs by EPA Method 8260 and TPH-G by Method NWTPH-Gx ²and results are shown in Table 4. All sample results were below Site cleanup levels with the exception of TPH-G at depths of 21 and 22 feet bgs at CB-14. However, Site geology and the limitations of the limited access drill rig prevented complete sample collection at six locations despite multiple attempts.

The limited-access drill rig encountered refusal above 28 feet bgs at four locations on the Spic'n Span property (CB-7, CB-8, CB-11, and CB-13). Poor sample recovery was an issue at two locations on the KeyBank property—CB-2 in the 0- to 7-foot interval and 14- to 21-foot interval and CB-4 in the 0- to 7-foot interval. Therefore, a follow-up mobilization to complete the first sampling event was conducted on December 3, 2021. The purpose of this sampling event was to collect three samples from depth intervals with

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² In accordance with the SAP, all samples were analyzed for CVOCs, and a subset of samples, based on the original footprint of TPH contamination, were analyzed for TPH-G.

poor recovery at CB-2 and CB-4 on the KeyBank property³. These borings were offset by no more than 3 feet from the original location during the second event. Holt operated a HSA drill rig to achieve better sample recovery. Samples were analyzed by OnSite in the same manner as the first sampling event. Two sample results were below cleanup levels, including the sample from the interval exhibiting highest pre-remediation PCE concentrations (14- to 21-feet bgs at CB-2). There was one slight PCE exceedance (0.2 mg/kg) of the Site cleanup level of 0.15 mg/kg at CB-2 at a depth of 3 feet bgs. Following the MTCA statistical procedures for evaluating compliance as described in the SAP, this does not represent a compliance exceedance.

The second soil sampling event occurred on January 10 and 11, 2022, after the ERH system reached 80 percent of the power usage goal. Sample locations were selected based on the results of the first sampling event and included the five boring locations on the Spic'n Span property that either had cleanup level exceedances or hit refusal above 28 feet bgs. These borings were offset by no more than 3 feet from the original location during the second event. Holt operated a larger direct-push rig (Probe 1008) to achieve target depths at all sample locations. Samples were submitted to OnSite for the same analyses as the first round of soil sampling described above. Concentrations of VOCs and TPH-G were below Site cleanup levels in all samples collected from the seven borings.

5.2 Groundwater Monitoring

Groundwater monitoring was conducted near the end of treatment when performance soil sampling results indicated that areas of the Site were clean. Three performance groundwater monitoring events were conducted during system operation. Groundwater analytical results compared to Site cleanup levels are summarized in Table 3.

The first round of groundwater sampling as conducted at MW-11 and MW-12 on the Keybank property on December 2, 2021. Groundwater was sampled and analyzed for VOCs by EPA Method 8260D. PCE concentrations at both wells exceeded the cleanup level of 5 μ g/L.

The second round of groundwater sampling was conducted at MW-5R, MW-11, and MW-12 on December 16, 2021. These wells were selected because performance soil sampling events in November and December 2021 suggested that the southwestern area of the Site and the northern area of the KeyBank property were clean (Section 5.1). Groundwater was sampled and analyzed for VOCs by EPA Method 8260D. There were no exceedances of VOCs at MW-5R, MW-11, or MW-12, confirming the northern area of the Site and the KeyBank property were clean, and system operations were adjusted accordingly (Section 4.1).

The third round of groundwater sampling was conducted after the final soil performance monitoring event at MW-2R, MW-3R, MW-10, and VE-1R on January 12, 2022. Groundwater was sampled and analyzed for VOCs by EPA Method 8260D and TPH-G

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³ Further drilling at the boring locations on the Property that did not achieve target depths was deferred until the second sampling event because other samples on the Property exceeded cleanup levels, indicating further treatment was needed.

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by NWTPH-Gx in select wells. There were exceedances of Site cleanup levels at MW-2R and MW-10.

After two more weeks of treatment, MW-2R and and MW-10 were resampled on January 26, 2022, along with MW-4.⁴ cis-DCE and VC at MW-2R and cis-DCE at MW-10 were detected above cleanup levels at concentrations similar to those detected previously. MW-2R and MW-10 are located along the normally downgradient edge of the property, but it is likely that ongoing heating and steam removal by the thermal treatment system was resulting in an inward gradient, and the concentrations observed were due to untreated groundwater flowing into the Property. Soil concentrations on the Property met cleanup levels and mass removal of the system had reached a point of diminishing returns. Therefore, it was determined that the treatment system had achieved its objectives and could be shut down for confirmation monitoring.

The first confirmation sampling event was conducted on June 21 and 22, 2022. Site wells (MW-1 through MW-12 and VE-1R) were sampled and analyzed for VOCs by EPA Method 8260D and TPH-G by NWTPH-Gx in select wells. Results were below cleanup levels with the following exceptions: VC at MW-2R, cis-DCE and VC at MW-4, and VC at MW-6. MW-2R was the only on-Property well within the treatment area with results exceeding the cleanup level, but groundwater quality has shown improvement since operation of the ERH system. Cis-DCE at MW-2R decreased below the cleanup level since the most recent performance monitoring event, and VC has decreased to be within the same order of magnitude as the cleanup level. Additionally, groundwater quality continued to improve at MW-10, where cis-DCE decreased below the cleanup level since ERH shutdown. Groundwater elevations from June 2022 are shown on Figure 4, and the inferred groundwater flow direction is to the southwest. This is consistent with previous groundwater monitoring events.

Further confirmation groundwater monitoring will be implemented on a quarterly basis to evaluate the potential for rebound post-treatment, as described in the SAP.

⁴ MW-4 is located outside the treatment area, but was sampled to determine if the effects of treatment had resulted in changes downgradient of the Property.

6 System Shutdown and Equipment Decommissioning

Following the final groundwater monitoring event, the ERH system was shut down by TRS on January 29, 2022, after 177 days of operation. Approximately 772 pounds of APH were removed and 42 pounds of PCE were removed during system operation. The VR system remained on for two weeks after the ERH system was shut off on February 12, 2022.

Site demobilization and equipment decommissioning began on February 7, 2022. Surface temporary structures, equipment, surface insulation materials, and conveyance piping were removed from the Site. Full demobilization details are included in TRS's Final Report.

Carbon vessel characterization, disposal, and demobilization were completed in late February and early March. Four-point composite samples of the carbon in the LGAC and VGAC vessels were collected and analyzed for VOCs in order to set up waste disposal profiles. The LGAC vessels were emptied by TRS, and the carbon was put in drums for disposal. PCC emptied out the spent VGAC carbon with a vac truck and removed the vessels on March 1, 2022. In addition to the spent carbon produced from the ERH system, spent carbon from the historic SVE system was emptied from two VGAC vessels on top of the Spic'n Span building. DHE disposed of spent carbon from the Site on March 9, 2022, at a RCRA Subtitle C waste treatment and disposal facility. Based on the carbon profiles set up by DHE, approximately 3,000 pounds of F-listed carbon was incinerated and approximately 3,000 pounds of F-listed carbon was disposed of by direct landfill.

7 References

- Aspect Consulting, LLC (Aspect), 2011. Draft Remedial Investigation, Feasibility Study, and Cleanup Action Plan. Spic'n Span Cleaners, Inc., September 7, 2011.
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- TRS Group, Inc. (TRS), 2019, Final Technical Approach Electrical Resistance Heating. Spic'n Span Cleaners, February 2019.
- TRS Group, Inc. (TRS), 2022, Electrical Resistance Heating Final Report, Former Spic'n Span Cleaners, June 2022.
- Washington State Department of Ecology (Ecology), 2013, Opinion Pursuant to WAC 179-340-515(5) on Proposed Remedial Action for Spic N Span Cleaners, February 25, 2013.

8 Limitations

Work for this project was performed for the Spic'n Span Cleaners, Inc. (Client), and this report was prepared in accordance with generally accepted professional practices for the nature and conditions of work completed in the same or similar localities, at the time the work was performed. This report does not represent a legal opinion. No other warranty, expressed or implied, is made.

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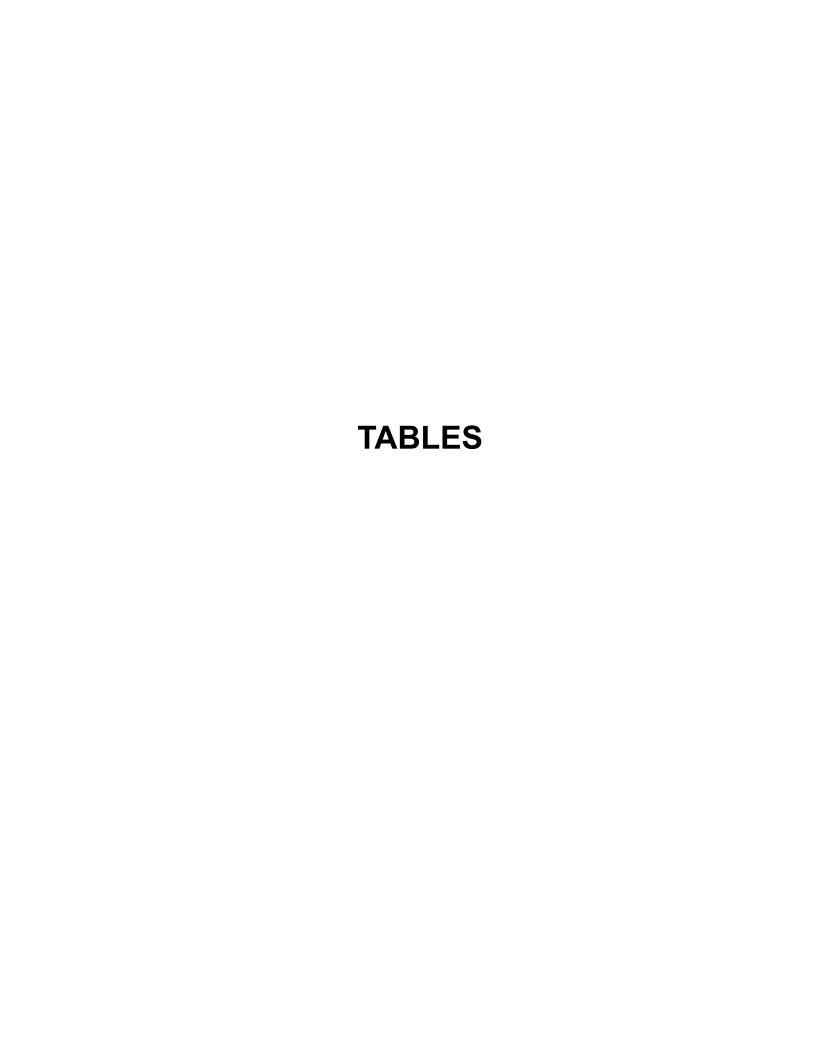


Table 1. Well Construction Summary

Project No. 060172, Spic'n Span Cleaners, Seattle, Washington

Well ID	Location	Well Type	Date Drilled	Casing Diameter (inches)	Casing Material	Total Depth of Boring (ft bgs)	Screen Length (ft)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)
MW-5R	Spic'n Span	Monitoring Well	10/29/2019	2	Stainless Steel	30	20	10	30
MW-10	Spic'n Span	Monitoring Well	11/1/2019	2	Stainless Steel	30	20	10	30
MW-11	KeyBank	Monitoring Well	8/19/2019	2	Stainless Steel	30	20	10	30
MW-12	KeyBank	Monitoring Well	8/20/2019	2	Stainless Steel	30	20	10	30

Notes:

ft bgs - feet below ground surface

Table 2. Groundwater Elevations - June 2022

Project No. 060172, Spic'n Span Cleaners, Seattle, Washington

		6/21/2	2022
Well	TOC Elevation (ft) ^{1,2}	Depth to Water (ft bTOC)	Water Level Elevation (ft bTOC)
MW-1	100.8	18.72	82.08
MW-2R	99.54	18.18	81.36
MW-3R	99.22	18	81.22
MW-4	99.14	18.86	80.28
MW-5R	98.92	18.31	80.61
MW-6	98.77	18.51	80.26
MW-7	98.9	19.08	79.77
MW-8	97.6	18.75	78.84
MW-9	97.1	18.02	79.07
MW-10	99.20	17.81	81.39
MW-11	100.29	18.24	82.05
MW-12	99.75	16.8	82.95
VE-1R	101.21	20.05	81.16

Notes:

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¹⁾ TOC at wells in treatment area were measured at top of sampling apparatus.

²⁾ Datum is site-specific. Site elevation reference datum is top of fire hydrant at corner of S Dearborn St and Maynard Ave S. ft bTOC - feet below top of casing

Project No. 060172, Spic'n Span Cleaners, Seattle, Washington

		Sample Event	Post-ERH Operation	ERH Op	eration	Post-ERH Operation	ERH Operation	Post-ERH Operation	Baseline	ERH Operation	Post-ERH Operation
		Site Groundwater	MW-1	MW-2R	MW-2R	MW-2R	MW-3R	MW-3R	MW-4	MW-4	MW-4
		Cleanup Level	06/21/2022	01/12/2022	01/26/2022	06/21/2022	01/12/2022	06/21/2022	11/20/2019	01/26/2022	06/22/2022
Analyte	Unit	(ug/L)	MW-1-062122	MW-2R-011222	MW-2R-012622	MW-2R-062122	MW-3R-011222	MW-3R-062122	MW-4-112019	MW-4-012622	MW-4-062222
TPHs											
Gasoline Range Organics	ug/L	1000		350 X		< 500 U	130 X	720 X	< 100 U		
VOCs											
cis-1,2-Dichloroethene (cDCE)	ug/L	16	< 0.20 U	52	55	10	< 2.0 U	< 10 U	36	36	36
Tetrachloroethene (PCE)	ug/L	5	1.4	< 0.80 U	< 1.0 U	< 0.40 U	< 2.0 U	< 10 U	< 0.20 U	< 0.20 U	< 0.40 U
Trichloroethene (TCE)	ug/L	5	< 0.20 U	4.8	3.9	0.84	< 2.0 U	< 10 U	< 0.20 U	0.22	< 0.40 U
Vinyl Chloride	ug/L	0.2	< 0.20 U	2.5	3.4	0.82	< 2.0 U	< 10 U	31	9.6	6.9
Field Parameters											
Temperature	deg C		15.7	23.3	15.6	13	17.9	10.3	16.7	16.3	19.4
Specific Conductance	uS/cm		536.4	579	605.8	784	628	986	918	815	1116
Dissolved Oxygen	mg/L		0.51	0.32	5.14	1.5	0.9	0.6	1.15	0.33	0.47
pH	pH units		6.25	6.31	6.26	6.44	5.42	6.56	6.68	6.75	6.56
Oxidation Reduction Potential	mV		69.4	117.5	68.5	28	35.1	39.9	-1.2	33.1	20.7
Turbidity	NTU		49.2	5.23	20.8	3.11	7.58	2.82	20.3	56.5	8.23

ERH - electrical resistance heating system

Bold - detected

Yellow Shaded - Detected result exceeded screening level

Blue Shaded - Non-detected RL exceeded screening level

U - Analyte not detected at or above Reporting Limit (RL) shown

J - Result value estimated

UJ - Analyte not detected and the Reporting Limit (RL) is an estimate

Project No. 060172, Spic'n Span Cleaners, Seattle, Washington

		Sample Event	Baseline	ERH Operation	Post-ERH Operation	Baseline	Post-ERH Operation	Post-ERH Operation	Post-ERH Operation
Analyte	Unit	Site Groundwater Cleanup Level (ug/L)	MW-5R 11/20/2019 MW-5R-112019	MW-5R 12/16/2021 MW-5R-121621	MW-5R 06/22/2022 MW-5R-062222	MW-6 01/06/2020 MW-6-010620	MW-6 06/22/2022 MW-6-062222	MW-7 06/22/2022 MW-7-062222	MW-8 06/22/2022 MW-8-062222
TPHs									
Gasoline Range Organics	ug/L	1000	< 100 U			< 100 U			
VOCs									
cis-1,2-Dichloroethene (cDCE)	ug/L	16	6.1	< 0.80 U	< 0.20 U	0.53	0.31	< 0.20 U	< 0.20 U
Tetrachloroethene (PCE)	ug/L	5	< 0.20 U	< 0.80 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U
Trichloroethene (TCE)	ug/L	5	< 0.20 U	< 0.80 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U
Vinyl Chloride	ug/L	0.2	2.8	< 0.80 U	< 0.20 U	1.2	0.63	< 0.20 U	< 0.20 U
Field Parameters									
Temperature	deg C		15.7		27.3	16.5	16.5	15.7	17.2
Specific Conductance	uS/cm		961		1228	917	733	1166	1380
Dissolved Oxygen	mg/L		0.38		0.13	0.51	0.13	0.56	0.58
pH	pH units		6.64		6.62	6.79	6.75	6.61	6.74
Oxidation Reduction Potential	mV		31.2		-26	-7.00	55.2	-40.3	-67.7
Turbidity	NTU		4.11		4.63	7.00	16.7	64.2	5.72

ERH - electrical resistance heating system

Bold - detected

Yellow Shaded - Detected result exceeded screening level

Blue Shaded - Non-detected RL exceeded screening level

U - Analyte not detected at or above Reporting Limit (RL) shown

J - Result value estimated

UJ - Analyte not detected and the Reporting Limit (RL) is an estimate

Project No. 060172, Spic'n Span Cleaners, Seattle, Washington

		Sample Event	Post-ERH Operation	Baseline	ERH O	peration	Post-ERH Operation	Baseline	ERH O	peration	Post-ERH Operation
Analyte	Unit	Site Groundwater Cleanup Level (ug/L)	MW-9 06/22/2022 MW-9-062222	MW-10 11/20/2019 MW-10-112019	MW-10 01/12/2022 MW-10-011222	MW-10 01/26/2022 MW-10-012622	MW-10 06/21/2022 MW-10-062122	MW-11 11/20/2019 MW-11-112019	MW-11 12/02/2021 MW-11-120221	MW-11 12/16/2021 MW-11-121621	MW-11 06/21/2022 MW-11-062122
TPHs											
Gasoline Range Organics	ug/L	1000		110	< 100 U		< 500 U	< 100 U			
VOCs											
cis-1,2-Dichloroethene (cDCE)	ug/L	16	< 0.20 U	38	32	44	2.8	5.8	7.3	2.5 J	0.32
Tetrachloroethene (PCE)	ug/L	5	< 0.20 U	1.5	4	< 4.0 U	< 1.0 U	11	6.5	2.5 J	0.26
Trichloroethene (TCE)	ug/L	5	< 0.20 U	2.2	5.6	< 4.0 U	< 1.0 U	2.5	5.7	2.1 J	0.36
Vinyl Chloride	ug/L	0.2	< 0.20 U	1.4	< 2.0 U	< 4.0 U	< 1.0 U	< 0.20 U	< 2.0 U	< 2.0 UJ	< 0.20 U
Field Parameters											
Temperature	deg C		16.3	15.2	33.7	38.8	13.6	14.6	41.3		15.6
Specific Conductance	uS/cm		683	647	401.6	574	999	645	907		434
Dissolved Oxygen	mg/L		1.14	0.29	0.39	1.11	0.33	0.5	2.18		0.5
рН	pH units		6.7	6.54	5.77	5.99	6.65	6.32	6.04		6.28
Oxidation Reduction Potential	mV		8.8	39.1	-15	65.6	-8.1	31.8	-12.4		-29.3
Turbidity	NTU		3.95	6.49	2.35	7.15	5.07	8.02	7.89		2.65

ERH - electrical resistance heating system

Bold - detected

Yellow Shaded - Detected result exceeded screening level

Blue Shaded - Non-detected RL exceeded screening level

U - Analyte not detected at or above Reporting Limit (RL) shown

J - Result value estimated

UJ - Analyte not detected and the Reporting Limit (RL) is an estimate

Project No. 060172, Spic'n Span Cleaners, Seattle, Washington

		Sample Event	Baseline	ERH O	peration	Post-ERH Operation	ERH Operation	Post-ERH Operation
		Site Groundwater	MW-12	MW-12	MW-12	MW-12	VE-1R	VE-1R
		Cleanup Level	11/20/2019	12/02/2021	12/16/2021	06/21/2022	01/12/2022	06/21/2022
Analyte	Unit	(ug/L)	MW-12-112019	MW-12-120221	MW-12-121621	MW-12-062122	VE-1R-011222	VE-1R-062122
TPHs								
Gasoline Range Organics	ug/L	1000	< 100 U				180 X	< 500 U
VOCs								
cis-1,2-Dichloroethene (cDCE)	ug/L	16	< 0.20 U	< 0.20 U	< 0.40 UJ	< 0.20 U	< 2.0 U	0.58
Tetrachloroethene (PCE)	ug/L	5	3.2	22	3.9 J	2.1	< 2.0 U	< 0.40 U
Trichloroethene (TCE)	ug/L	5	< 0.20 U	0.51	< 0.40 UJ	< 0.20 U	< 2.0 U	< 0.40 U
Vinyl Chloride	ug/L	0.2	< 0.20 U	< 0.20 U	< 0.40 UJ	< 0.20 U	< 2.0 U	< 0.40 U
Field Parameters								
Temperature	deg C		15.3	23.4		18	54	15.7
Specific Conductance	uS/cm		663	689		709	435	536.4
Dissolved Oxygen	mg/L		1.32	1.09		6.9	0.11	0.51
pH	pH units		6.26	5.83		6.28	6.32	6.45
Oxidation Reduction Potential	mV		38.4	-2.7		16.3	-134.9	-4
Turbidity	NTU		10.2	4.1		5.99	1.82	76.9

ERH - electrical resistance heating system

Bold - detected

Yellow Shaded - Detected result exceeded screening level

Blue Shaded - Non-detected RL exceeded screening level

U - Analyte not detected at or above Reporting Limit (RL) shown

J - Result value estimated

UJ - Analyte not detected and the Reporting Limit (RL) is an estimate

Table 4. Performance Monitoring

Project No. 060172, Spic'n Span Cleaners, Seattle, Washington

											Lab Resu	sults - LGAC				Т						
		•	ı	Field	Data		•	i	Influ	ent	Efflu	ent	Influ	uent	Efflo	uent	Estimated	APH Mass R	emoval	Estimated		s Removal
				Acnost		Annost		Acnost										Mass			Mass Removed	
		Blower	TRS PID -	Aspect PID -	TRS PID -	Aspect PID -	TRS PID -	Aspect PID -										Mass Removed	Cumulati		Since	Cumulati
	Blower	Flow	VGAC	VGAC	VGAC	VGAC	VGAC	VGAC									Removal	Since Prior	ve	Removal	Prior	ve
	Clock	Rate	Influent	Influent	Midpoint	Midpoint	Effluent	Effluent	Total APH	PCE	Total APH	PCE	FOG	PCE	FOG	PCE	Rate	Reading	Removal	Rate	Reading	
Date	hours	cfm	ppm	ppm	ppm	ppm	ppm	ppm	mg/m ³	mg/m ³	mg/m ³	mg/m ³	ug/L	ug/L	ug/L	ug/L	lbs/day	lbs	lbs	lbs/day	lbs	lbs
8/5/2021	17390	400	3.0	4.7	0.0		0.0		14.3	14	2.2	<0.041	_ · J				0.5	0.1	0.1	0.5	0.1	0.1
8/9/2021	17486	400	3.0		0.0		0.0		10.75	7.7	2.06	<0.036					0.4	1.5	1.7	0.3	1.1	1.2
8/11/2021	17500	400	5.7	13.8	0.0	0.1	0.0	0.6									0.6	0.4	2.0	0.3	0.2	1.4
8/13/2021	17556	424	5.6	17.2	0.0	0.0	0.0	2.0									0.8	2.0	4.0	0.3	0.8	2.2
8/17/2021	17688	434	9.3	27.3	0.0	0.0	0.0	1.4	38.41	9.9	0.56	<0.028					1.5	8.2	12.2	0.4	2.1	4.3
8/18/2021	17697	434	8.8	23.2	0.0	1.9	0.0	3.8									1.2	0.4	12.7	0.4	0.2	4.4
8/20/2021	17738	431	10.7	7	0.1	0.0	0.0	0.0									0.3	0.6	13.3	0.5	8.0	5.2
8/24/2021	17833	437	7.5	13.5	0.0	0.0	0.0	0.0	100.01	15	<0.020	2.44	ND	ND	ND	ND	0.7	2.7	16.0	0.6	2.2	7.5
8/25/2021 8/27/2021	17858 17904.9	434 431	13.5 13.9	49.4 57.7	0.0	1.1 0.2	0.0 0.0	0.8 0.4	102.81	15	<0.039	3.44	ND	ND	ND	ND	4.0 2.9	4.2 5.6	20.2 25.8	0.6 0.6	0.6 1.2	8.1 9.2
8/30/2021	17904.9	431	19.6	66	0.0	0.2	0.0	0.4									3.3	10.1	25.6 35.9	0.6	1.2	9.2 11.1
9/1/2021	18026.5	434	28.3	79.7	0.0	0.0	0.0	0.0									4.0	8.1	44.0	0.6	1.3	12.5
9/3/2021	18073	431	23.6	88.9	0.0	0.0	0.0	0.0									4.4	8.6	52.6	0.7	1.3	13.7
9/8/2021	18193	423	37.6	88.3	0.3	0.3	0.3	0.2	126.2	18	1.09	<0.040					4.8	24.0	76.6	0.7	3.4	17.1
9/10/2021	18241	426	33.4	85.8	0.3	0.0	0.2	0.0									4.2	4.1	85.3	0.7	0.6	18.5
9/14/2021	18340	427	35.3	124.9	0.2	0.2	0.2	0.2					ND	30	ND	ND	6.2	6.2	107.8	0.6	0.6	21.2
9/17/2021	18410	429	41.6	88.2	0.3	0.0	0.1	0.0									4.4	4.0	122.4	0.6	0.6	23.0
9/21/2021	18510	429	45.3	92.4	0.4	1.0	0.1	0.0									4.6	5.1	141.2	0.6	0.7	25.5
9/22/2021	18532.1	428	47.3	139.2	0.5	1.7	0.2	0.1	80	15	3.29	<0.041					3.1	2.8	144.1	0.6	0.5	26.0
9/28/2021	18674.7	427	60.4	162.9	1.0	3.4	0.1	0									8.1	6.2	178.9	0.5	0.4	29.0
9/29/2021	18699.4	428	68.4	224.3	1.3	7.4	0.1	0.0									11.1	11.4	190.3	0.5	0.5	29.4
10/1/2021	18747.9	426	61.4	229	10.6	61.4	0.1	7.1	400.0	0.4	ND	.0.040					11.3	12.7	213.1	0.4	0.5	30.3
10/6/2021	18867.9	427	72.5	216.7	42.5	140.4	0.2	0.0	132.6	8.4	ND	<0.040					5.1	5.4	252.7	0.3	0.3	32.0
10/8/2021 10/15/2021	18913.9 19080.7	430 423	67.8 77	188.8 318.6	36 0.8	100.2 3.3	0.2 0.2	0.2 0.1									9.4 15.6	8.8 15.4	268.6 358.8	0.3 0.3	0.3 0.3	32.6 34.8
10/19/2021	19080.7	423	72.5	300.6	2.7	16	0.2	0.1									14.7	16.3	422.3	0.3	0.3	36.1
10/20/2021	19203.7	419	72.5	281.5	4.3	17.9	0.3	0.3					N/A	12	N/A	ND	13.7	12.4	434.6	0.3	0.3	36.4
10/21/2021	19228.2	414	65.1	233.2	8	51.1	0.3	1.9	361	8.2	1.78	<0.040	14// (14// (110	13.4	13.7	448.3	0.3	0.3	36.7
10/22/2021	19251.1	415	63.6		13.4		0.3	0.3									12.0	11.5	459.8	0.3	0.3	37.0
10/26/2021	19345.5	418	61	191.5	39.6	109.1	0.4	0.8									9.3	8.3	500.4	0.2	0.2	38.0
10/27/2021	19368.9	420	50.3	164.3	32.2	3.3	0.5	0.3									8.0	7.8	508.1	0.2	0.2	38.2
10/28/2021	19393.3	417	53.8	164.3	0.6	3.1	0.1	0.1									7.9	8.1	516.2	0.2	0.2	38.5
11/3/2021	19540.7	428	41.1	162.7	1.4	8.5	0.1	0.3									8.1	16.9	566.0	0.15	0.3	39.5
11/5/2021	19585.3	436	32	71.4	1.3	19.8	0.1	14.2	94.5	3.1	ND	<0.039					3.6	6.7	572.8	0.12	0.2	39.7
11/8/2021	19660.5	433	32.4	50.0	1.7	0.3	0.3	1									3.3	10.4	583.2	0.11	0.3	40.1
11/11/2021	19736	436	29.1	50.8	5.7	12.1	0.3	1.9	E7.0	4.0	٥٢	0.04	NI/A	ND	NI/A	NID	2.6	3.1	592.0	0.09	0.1	40.4
11/16/2021	19850.6	444 445	8.4	36.5	2	7.4 5.6	0.2	0.3	57.6	1.8	0.5	0.04	N/A	ND	N/A	ND	1.9	1.7	601.8	0.07	0.1	40.7
11/17/2021 11/18/2021	19879 19904	445 381	22 20.4	48.2 42	2.8 3.9	5.6 10.3	0.3 0.4	0.8 0.9									2.5 1.9	2.9 1.9	604.7 606.7	0.07 0.06	0.1 0.1	40.8 40.9
11/10/2021	19904	378	23.3	50.5	5.2	10.5	0.4	0.9									2.2	8.4	615.1	0.06	0.1	41.1
12/2/2021	20231	433	10.1	33.9	4	11.1	0.7	1.5	17.48	0.83	ND	<0.058					1.7	1.5	636.4	0.03	0.2	41.5
12/8/2021	20377.9	427	26.4	76.8	8.5	30	1.1	3.6	0	0.00		3.300	ND	ND	ND	ND	3.8	3.2	653.2	0.02	0.0	41.6
12/9/2021	20400.7	428	26.5	89.6	9.6	34.6	1	3.3					_			.=	4.4	4.2	657.4	0.02	0.0	41.6
12/15/2021	20544.8	430	19	51.8	9.5	26.1	0.9	2.7	10.9	0.35	0.45	>0.120					2.6	2.5	677.8	0.01	0.0	41.7
12/22/2021	20714.7	424	25.7	81.3	20.4	59.5	1	3									4.0	4.3	702.3	0.01	0.0	41.8
12/28/2021	20857.7	428	18.6	50.6	1.3	9	0.1	22.1									2.5	2.3	720.3	0.0	0.0	41.9
12/29/2021	20883.8	433	17.6	50.5	1.4	3.8	0.1	0.1									2.5	2.8	723.0	0.0	0.0	41.9
1/7/2022	21098.5	426	4.8	16.8	1.4	4.2	0.1	0	44	0.67	0 = 0	0.000	N/A	ND	N/A	ND	0.8	2.5	737.2	0.0	0.0	42.0
1/20/2022	21412	420	10.0	65 27.5	4.0	9.8	4	1.5	41.19	0.85	0.58	<0.039	ND	NID	ND	ND	3.2	6.3	762.9	0.0	0.1	42.2
1/26/2022 Notes	21558	430	12.2	27.5	4.3	12.1	1	1.5					ND	ND	ND	ND	1.5	9.4	772.3	0.0	0.1	42.2

Notes

VGAC - Vapor granular activated carbon LGAC - Liquid granular activated carbon cfm - Cubic feet per minute

ppm - Parts per million
PID - Photoionization Dectector

PCE - Perchloroethene

APH - Air-Phase Hydrocarbon

FOG - Non-polar fats, oils, & greases mg/m³ - milligrams/cubic meter ug/L - micrograms per liter ND - not detected

Aspect Consulting

Construction Completion Report

Table 5. Soil Analytical ResultsProject No. 060172, Spic'n Span Cleaners, Seattle, Washington

Comple	Commis			Gasoline Range TPH	Perchloroethene (PCE)	Trichloroethene (TCE)	cis-1,2- Dichloroethene (cis-DCE)	Vinyl Chloride
Sample Location	Sample Event	Sample Date	Depth	Gasc	Perch (PCE)	Trichl (TCE)	cis-1,2- Dichlor (cis-DC	Viny
	•		-	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
		Site Soil Clea	nup Level	97	0.15	0.066	0.12	0.05
		11/18/2021	7 ft	< 6.2 U	0.0040	< 0.00088 U	< 0.00088 U	< 0.00088 U
CB-01	1	11/18/2021 11/18/2021	13 ft 19 ft	< 8.7 U < 10 U	0.089 0.030	0.017 0.0049	< 0.0019 U < 0.0013 U	< 0.0019 U < 0.0013 U
		11/18/2021	23 ft	< 5.0 U	< 0.00086 U	< 0.00086 U	< 0.00086 U	< 0.00086 U
		11/18/2021 11/18/2021	8 ft 13 ft	< 7.2 U < 7.7 U	< 0.0011 U 0.0070	< 0.0011 U < 0.0010 U	< 0.0011 U < 0.0010 U	< 0.0011 U < 0.0010 U
CB-02	1	11/18/2021	21 ft	< 6.1 U	0.016	< 0.00099 U	< 0.00099 U	< 0.00099 U
OB-02	'	11/18/2021 12/3/2021	22 ft 3 ft	< 4.5 U < 5.1 U	< 0.00080 U 0.2	< 0.00080 U 0.012	< 0.00080 U < 0.00090 U	< 0.00080 U < 0.00090 U
		12/3/2021	18 ft	< 6.6 U	< 0.00092 U	< 0.0092 U	< 0.00090 U	< 0.00090 U
		11/18/2021	7 ft	< 10 U	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0012 U
CB-03	1	11/18/2021 11/18/2021	8 ft 21 ft	< 7.2 U < 5.5 U	< 0.0013 U < 0.00073 U	< 0.0013 U < 0.00073 U	< 0.0013 U < 0.00073 U	< 0.0013 U < 0.00073 U
		11/18/2021	26 ft	< 4.9 U	< 0.00091 U	< 0.00091 U	< 0.00091 U	< 0.00091 U
		11/18/2021 11/18/2021	8.5 ft 13 ft	< 6.1 U < 6.5 U	< 0.0015 U 0.0021	< 0.0015 U < 0.0010 U	< 0.0015 U < 0.0010 U	< 0.0015 U < 0.0010 U
CB-04	1	11/18/2021	15 ft	< 8.5 U	0.0021	0.0016	< 0.0010 U	< 0.0010 U
CB-04	1	11/18/2021	23.5 ft	< 7.6 U	< 0.0013 U	< 0.0013 U	< 0.0013 U	< 0.0013 U
		11/18/2021 12/3/2021	26.5 ft 6 ft	< 8.0 U < 5.7 U	< 0.0014 U 0.0076	< 0.0014 U 0.002	< 0.0014 U < 0.0012 U	< 0.0014 U < 0.0012 U
		11/18/2021	7 ft	< 7.8 U	0.03	0.0038	0.0025	< 0.0013 U
CB-05	1	11/18/2021 11/18/2021	12 ft 18 ft	< 7.4 U < 5.4 U	0.069 < 0.0013 U	0.0028 < 0.0013 U	< 0.0018 U < 0.0013 U	< 0.0018 U < 0.0013 U
		11/18/2021	27.5 ft	< 4.8 U	0.0016	< 0.00084 U	< 0.00084 U	< 0.00084 U
		11/22/2021	5 ft	< 6.6 U	< 0.0013 U	< 0.0013 U	< 0.0013 U	< 0.0013 U
CB-06	1	11/22/2021 11/22/2021	8 ft 15 ft	< 6.8 U < 6.8 U	< 0.0012 U < 0.00095 U	< 0.0012 U < 0.00095 U	< 0.0012 U < 0.00095 U	< 0.0012 U < 0.00095 U
05 00		11/22/2021	21 ft	< 8.3 U	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0012 U
	2	1/11/2022	21.5 ft	 -	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0012 U
	1	11/22/2021 11/22/2021	5 ft 10.5 ft	< 5.6 U < 7.4 U	0.0019 0.0029	< 0.0012 U < 0.0014 U	< 0.0012 U < 0.0014 U	< 0.0012 U < 0.0014 U
CB-07		11/23/2021	17 ft		0.0066	0.0011	< 0.0011 U	< 0.0011 U
	2	1/11/2022 1/11/2022	13.5 ft 17 ft		0.014 0.0013	< 0.0011 U < 0.0012 U	< 0.0011 U < 0.0012 U	< 0.0011 U < 0.0012 U
	_	1/11/2022	26 ft		0.0016	< 0.00097 U	0.0023	< 0.00097 U
	1	11/22/2021	3 ft	8.6 < 7.1 U	0.0016	< 0.0011 U < 0.0014 U	< 0.0011 U < 0.0014 U	< 0.0011 U < 0.0014 U
CB-08		11/22/2021 1/10/2022	10 ft 19 ft	< 8.3 U	0.0033 < 0.0012 U	< 0.0014 U	< 0.0014 U	< 0.0014 U
	2	1/10/2022	27 ft	< 5.0 U	< 0.00097 U	< 0.00097 U	< 0.00097 U	< 0.00097 U
		11/23/2021 11/23/2021	5 ft 13 ft	< 5.1 U < 6.7 U	< 0.00095 U < 0.0011 U	< 0.00095 U < 0.0011 U	< 0.00095 U < 0.0011 U	< 0.00095 U < 0.0011 U
CB-09	1	11/23/2021	18 ft	< 8.3 U	< 0.0011 U	< 0.0011 U	< 0.0011 U	< 0.0011 U
		11/23/2021	22 ft	7.7	< 0.0013 U	< 0.0013 U	< 0.0013 U	< 0.0013 U
05.40		11/22/2021 11/22/2021	6 ft 13 ft	< 6.0 U < 8.1 U	0.14 < 0.0014 U	0.0079 < 0.0014 U	0.0013 < 0.0014 U	< 0.00095 U < 0.0014 U
CB-10	1	11/22/2021	16 ft	< 8.4 U	< 0.0015 U	< 0.0015 U	< 0.0015 U	< 0.0015 U
		11/22/2021 11/23/2021	23.5 ft 5 ft	< 6.9 U < 5.0 U	0.0019 < 0.00095 LL	< 0.0015 U < 0.00095 U	< 0.0015 U < 0.00095 U	< 0.0015 U < 0.00095 U
CB-11	1	11/23/2021	8.5 ft	< 6.4 U	< 0.0011 U	< 0.0011 U	< 0.0011 U	< 0.0011 U
CB-11	2	1/12/2022	20 ft	8.1		< 0.00060 U		< 0.00060 U
		1/12/2022 11/19/2021	24 ft 5 ft	< 4.8 U < 5.1 U	< 0.0015 U 0.0019	< 0.0015 U < 0.00091 U	< 0.0015 U < 0.00091 U	< 0.0015 U < 0.00091 U
CB-12	1	11/19/2021	13 ft	< 4.7 U	< 0.00082 U	< 0.00082 U	< 0.00082 U	< 0.00082 U
		11/19/2021 11/19/2021	17 ft 22 ft	< 8.0 U < 5.4 U	0.0018 < 0.0011 U	< 0.0014 U < 0.0011 U	< 0.0014 U < 0.0011 U	< 0.0014 U < 0.0011 U
		11/19/2021	5 ft	< 6.2 U	< 0.0011 U	< 0.0011 U	< 0.0011 U	< 0.0011 U
OD 40	1	11/19/2021	8 ft	< 5.6 U	< 0.0011 U	< 0.0011 U	< 0.0011 U	< 0.0011 U
CB-13		11/19/2021 11/19/2021	16 ft 20 ft	< 6.5 U < 6.5 U	< 0.0011 U 0.0013	< 0.0011 U < 0.00092 U	< 0.0011 U < 0.00092 U	< 0.0011 U < 0.00092 U
	2	1/10/2022	22.5 ft	-	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0012 U
		11/19/2021 11/19/2021	6 ft 13 ft	< 7.5 U < 6.6 U	0.0025	< 0.0012 U	< 0.0012 U < 0.0011 U	< 0.0012 U
	1	11/19/2021	21 ft	310	< 0.0011 U	< 0.0011 U	< 0.0011 U	< 0.0011 U
CB-14		11/19/2021	22 ft	580	< 0.0014 U	< 0.0014 U	< 0.0014 U	< 0.0014 U
	2	1/10/2022 1/10/2022	15.5 ft 20 ft	< 5.4 U < 5.8 U				
		1/10/2022	22.5 ft	< 6.4 U				
Notes				·				- <u>-</u> -

ft - Feet

mg/kg - milligrams/kilogram

Bold - Analyte was detected above the laboratory reporting limit.

Blue Shaded - Detected concentration exceedes the Site groundwater cleanup levels

U - Analyte was not detected at or above Reporting Limit (RL) shown

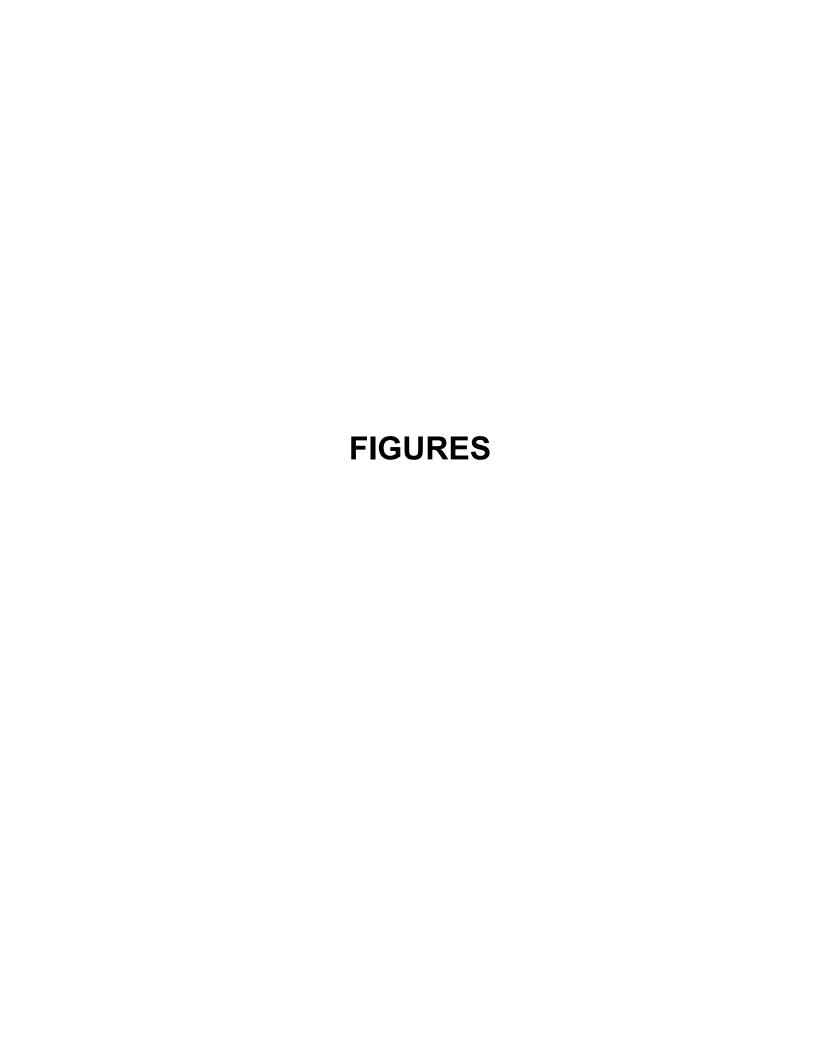
-- - not tested

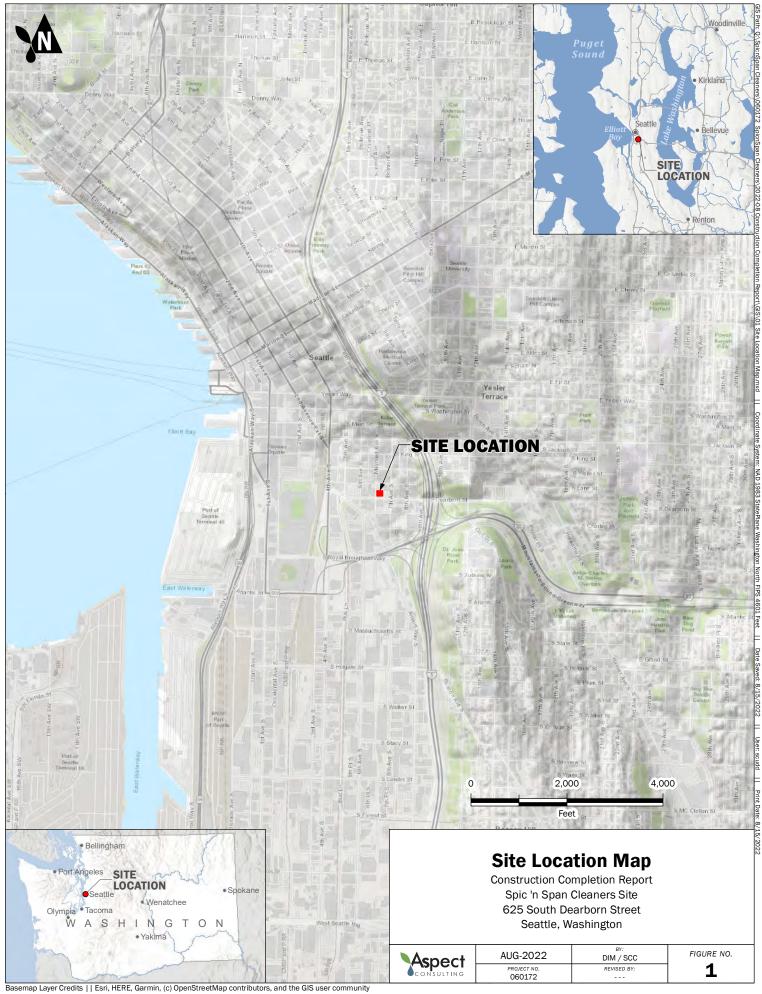
green italics - data superseded by subsequent sampling of the same interval.

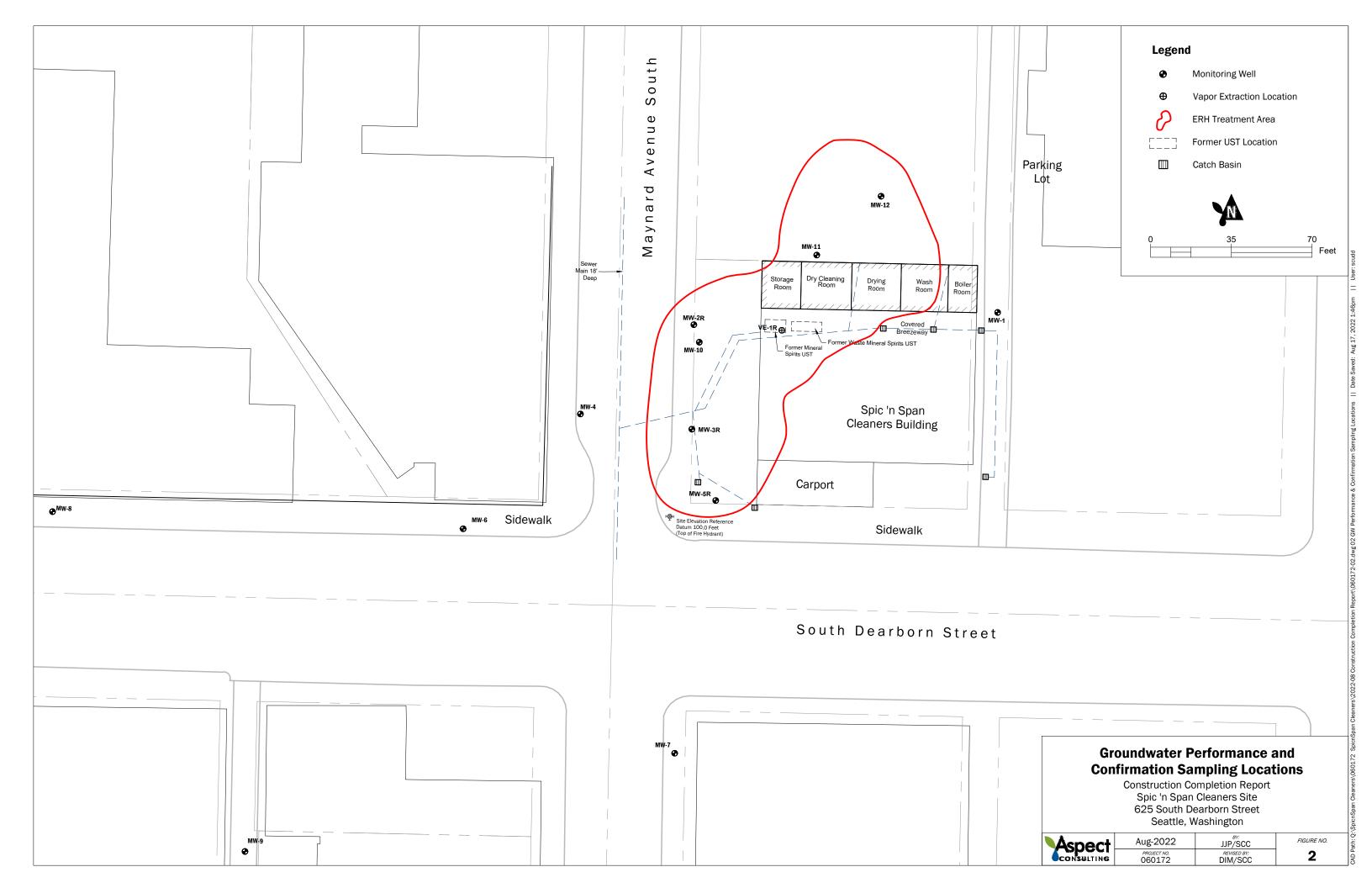
Sample depths from January 2022 were corrected and are not accurately reflected in the sample names.

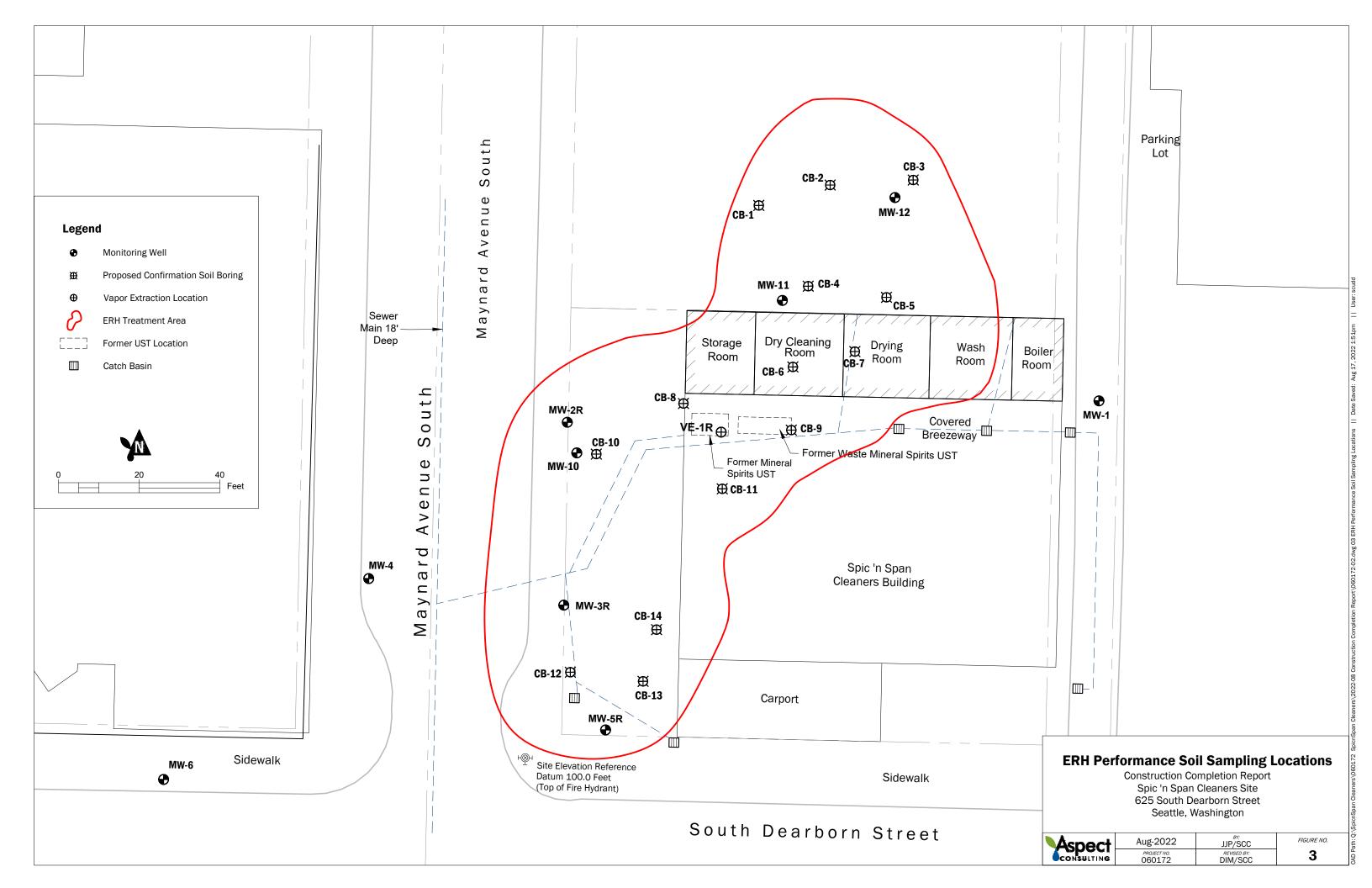
Aspect Consulting

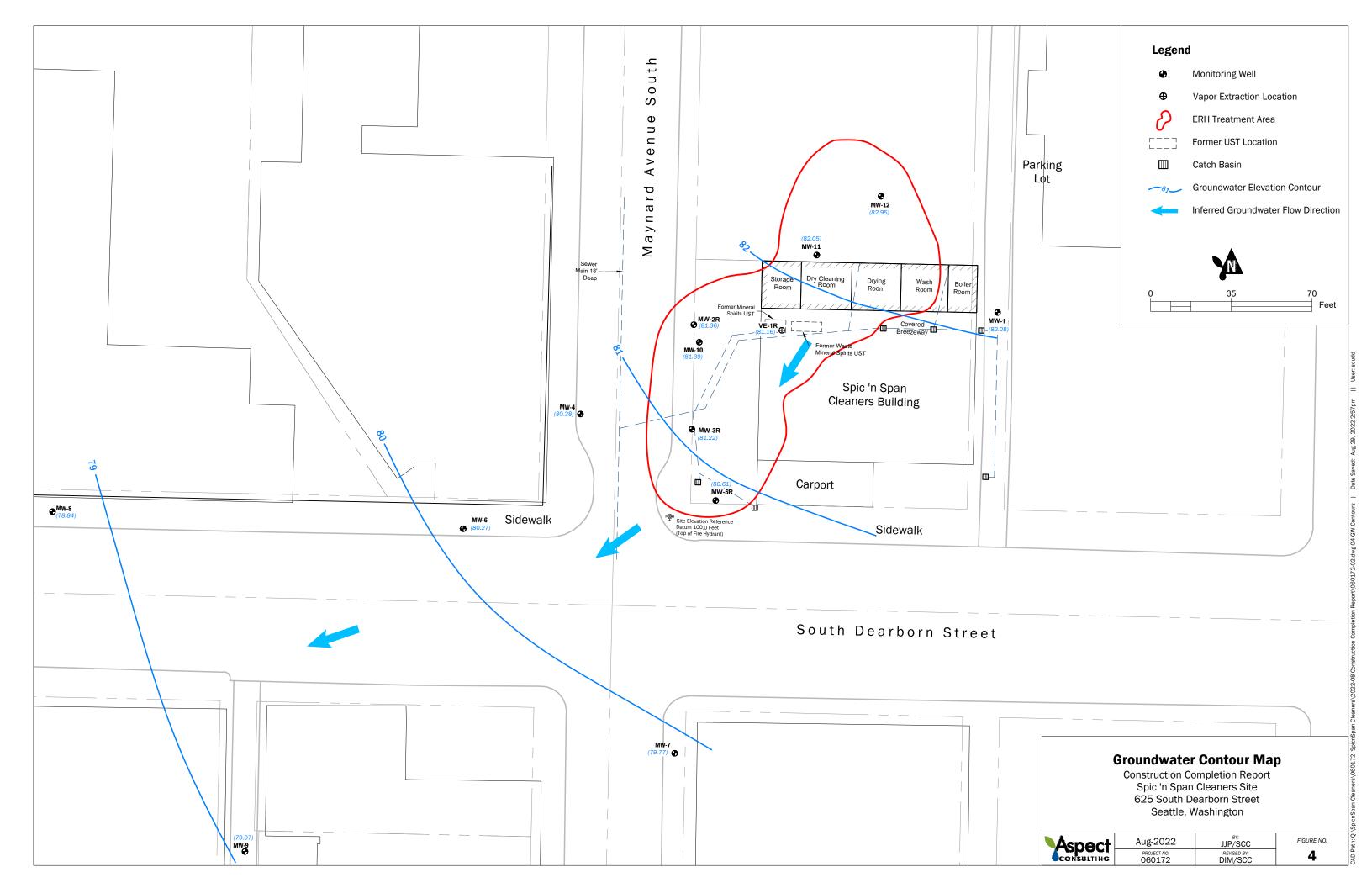
Table 5











APPENDIX A

Permits and Approvals



International Special Review District

Mailing Address: PO Box 94649, Seattle WA 98124-4649 Street Address: 600 4th Avenue, 4th Floor

SEPA: This action is

categorically exempt from SEPA pursuant to WAC 197-11-800 ISRD 280/18

CERTIFICATE OF APPROVAL

DATE:

December 17, 2018

APPLICANT:

Jeremy Porter

Aspect Consulting

401 Second Ave. S. #201 Seattle, WA 98104

WORK LOCATION:

652 S. Dearborn St.

TYPE OF WORK PROPOSED:

Site alterations

The International Special Review District Board recommends approval of an application for:

Site alterations: Remediation/clean-up (via electrical resistance heating – ERH) of soil and groundwater contamination, including installation of treatment equipment and the erection of an 8' tall vinyl-coated chain link fence around the site. Work includes installation of motion-sensor lights along the fence. The contractors will be working with Urban Artworks to create a mural that will be attached to the fence to serve as screening and pedestrian activation.

See the attached plans, photographs, paint chip and lighting specifications.

As a condition of this approval, the applicant shall submit the final design or mock up of the mural to the ISRD Coordinator prior to installation.

This recommendation is based on the presentation to the Board at the meeting of December 11, 2018 and is supplemented with documentation from the files.

The International Special Review District Board considered the following Seattle Municipal Codes and District Design Guidelines when making the recommendation:

SMC 23.66.030 – Certificates of approval – Application, review and appeals SMC 23.66.334 – Streets and Sidewalks

Secretary of the Interior's Standards #10

I concur with the Board's recommendations and hereby issue this Certificate of Approval pursuant to International Special Review District, SMC 23.66, as amended.

It is the applicant's responsibility to obtain all other permits and comply with other City or County regulations. To obtain a permit for a sign, marquee or canopy, contact Steve Sampson, Seattle Department of Construction and Inspections at 206-684-8419. To obtain a Street Use Permit, contact Seattle Department of Transportation Public Space Management, at 206-684-5267.

Andrés Mantilla, Director

Department of Neighborhoods

By: Rebecca Frestedt

Board Coordinator

cc: ISRD Board Chair

Nathan Torgelson, SDCI Maria Cruz, SDCI Audra Brecher, SDOT

Case file Log

NOTICE TO APPLICANT: Work must occur <u>exactly</u> according to approved plans and specifications. ANY revisions, omissions and/or additions to plans and specifications must be reviewed and approved by the International Special Review District Board prior to implementation.

APPEAL PROCEDURE: Any interested person may appeal the above decision to the City Hearing Examiner. The appeal and a copy of this decision must be filed with the Hearing Examiner, 700 5th Avenue, Suite 4000, Seattle, WA 98124 before 5:00 p.m. on the fourteenth (14th) day following the date of issuance of this certificate, and must be accompanied by an \$85.00 filing fee in the form of a check payable to the City Treasurer. Appeals must be in writing and must clearly state objections to the decision. A copy of the appeal shall also be served upon the Department of Neighborhoods Director, City Hall, 600 4th Avenue, 4th fl, Seattle, Washington 98124-4649.

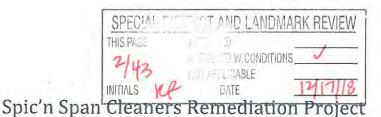
EXPIRATION OF CERTIFICATES OF APPROVAL: Certificates of Approval shall expire eighteen months from the date of issuance unless the Department of Neighborhoods Director determines that extenuating circumstances justify extension of the expiration date. Form Revised February 2016

ATTACHMENT B

Project Description

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1/110	ACCRUE DIMICONDIT	ions V
143	NUT AFT L'OABLE	COMMON TOWNS CONTRACTOR OF THE PARTY OF THE
INITIALS K	DATE	12/17/19

CHANGE OF USE	LOG # 15PD 180/18
ST. USE	DATE 17/17/18
EXT. DESIGN	STAFF
INT. DESIGN	PHONE



This project addresses soil and groundwater contamination associated with Spic'n Span Cleaners, located at 652 S. Dearborn Street (Spic'n Span Property). Years of dry cleaner operation on the property have resulted in PCE and mineral spirits released into the soil and groundwater beneath the building. The contaminants have migrated beneath the neighboring property to the north, which is currently a parking lot owned by KeyBank (KeyBank Property), and also to the southeast into the Maynard Avenue South right-of way. The purpose of the project is to remove subsurface contamination in order to comply with Department of Ecology requirements for cleanup. Cleanup will also facilitate future redevelopment of the Spic'n Span Property.

The technology that will be used to remediate the site is called electrical resistance heating (ERH). ERH is a process whereby soils and groundwater are heated by passing an electrical current through the subsurface, which increases the temperature to an average of 90°C (just below the boiling point of water). The contaminants will be volatilized, and vapor recovery wells will capture steam and contaminant vapor for treatment above ground. Above-ground treatment will include separation of the water from the vapor stream and treatment of both vapor and water with granular activated carbon. Water will be treated and discharged to the sanitary sewer under a King County sewer discharge authorization. The Puget Sound Clean Air Agency has determined that this project is exempt from treatment, however, to minimize odor concerns to the neighboring community, air will be treated and discharged. The activated carbon will either be regenerated or disposed of at an off-site facility.

During installation and operation of the ERH treatment system, the Spic'n Span property will remain vacant and a temporary 8-foot fence will be installed around the above-ground operating equipment (west and south of the existing building) for approximately 8 months. The fence will be constructed of vinyl-coated chain link with wooden fence posts spaced at 8 feet and secured in concrete footings. A fabric mural to cover the chain link will be provided by a community-based art group (Urban Artworks). There would be no alteration to the building to secure the fence. Fence posts will be secured with footings installed in the ground. Fencing examples and details are included in Attachment G. Motion-sensor lighting will be installed on the wooden fence posts at 8-foot spacing around the perimeter of the fence to prevent graffiti and vandalism, and specifications are included in Attachment H.

Above-ground equipment visible from the right-of-way includes the condenser and cooling towers, which are 17'6" feet tall, an 8'5" tall PCU with a 360-degree camera on a 11'4" mast, and a 20' stack (4" diameter PVC pipe) to release treated air. The other above-ground equipment (granular activated carbon vessels, blower, transformer) will not be visible behind the fence. A temporary utility pole will be installed outside of the fence near the southeast corner of the building to connect power to the transformer inside the fence.

At times, the sidewalk along Maynard Ave S and S Dearborn St will be blocked to install subsurface equipment and repair concrete or brick areas of the sidewalk disturbed during trenching. It is estimated the installation and resurfacing will take 6 weeks. After subsurface installation in the sidewalk, the area will be temporarily resurfaced with concrete for the treatment period. After the treatment and

cooldown period, the electrodes will be removed, and the brick pavers and concrete in the right-of-way of Maynard Ave S and S Dearborn St will be restored to their original condition. A street use permit will be obtained for work in the sidewalk. Other areas of the properties undergoing treatment will be available for normal use during operation. Monitoring to evaluate system performance and protectiveness will be conducted throughout the treatment period.

After treatment, a two-year cooldown and monitoring period will be conducted prior to final decommissioning of the subsurface components. During the cooldown and monitoring period, temporary fencing and above-ground equipment will be removed and the full site will be available for occupancy; however, if monitoring indicates additional treatment is needed, equipment and the fencing may be temporarily re-installed. After monitoring indicates the Department of Ecology's cleanup requirements are met, below-ground equipment will be decommissioned.

A general timeline of the project is as follows:

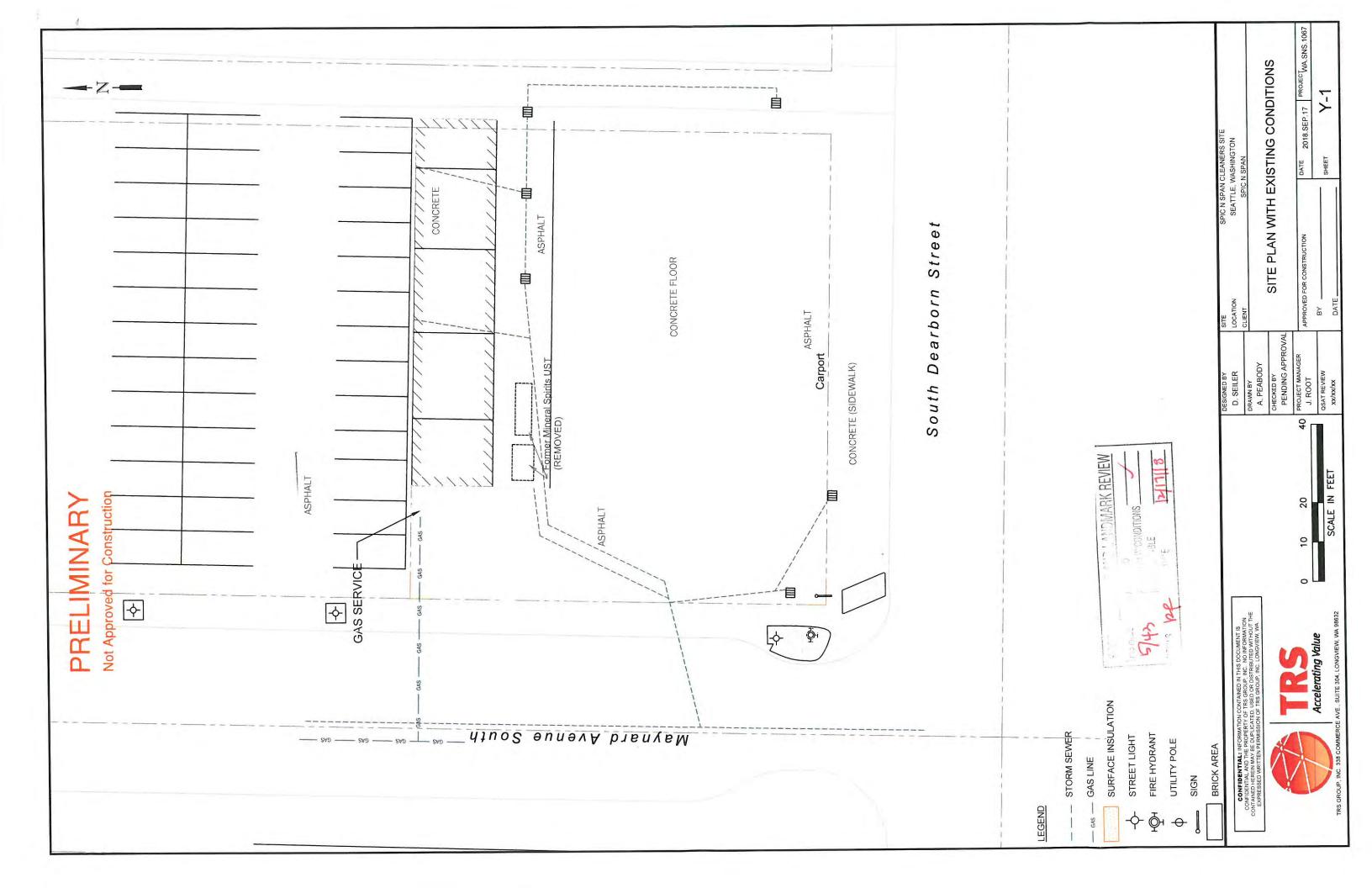
- Equipment Installation (Approximately 19 weeks from January 2019 through May 2019).
- System Startup (Approximately 2 weeks in May 2019).
- System Operation (Approximately 6 months from 2nd Quarter 2019 through 4th Quarter 2019).
- Cooldown and Monitoring (Approximately 2 years from 4th Quarter 2019 through 4th Quarter 2021).
- Decommissioning (Approximately 2 weeks during 1st Quarter 2022).

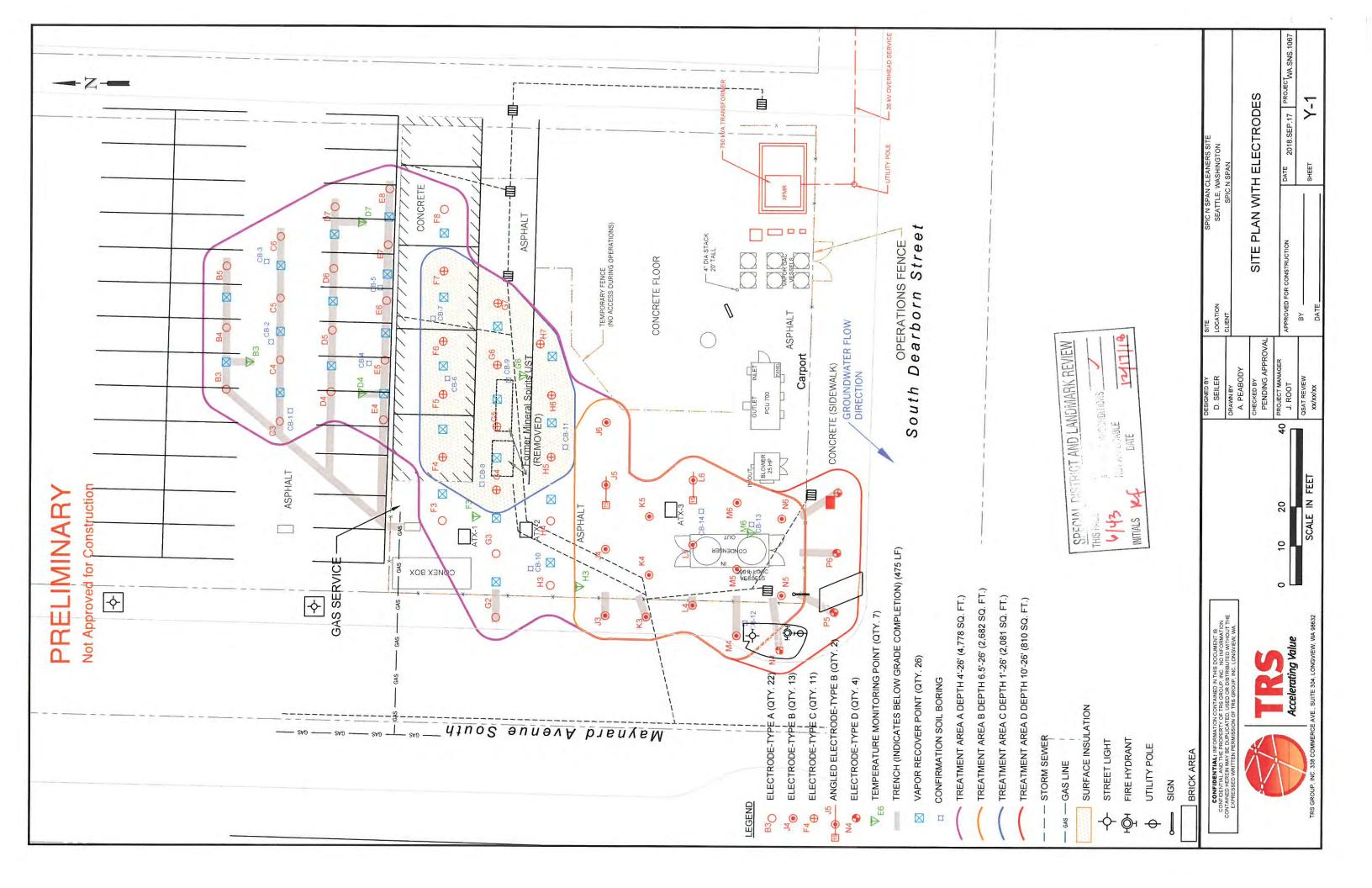


ATTACHMENT C

Site Plans





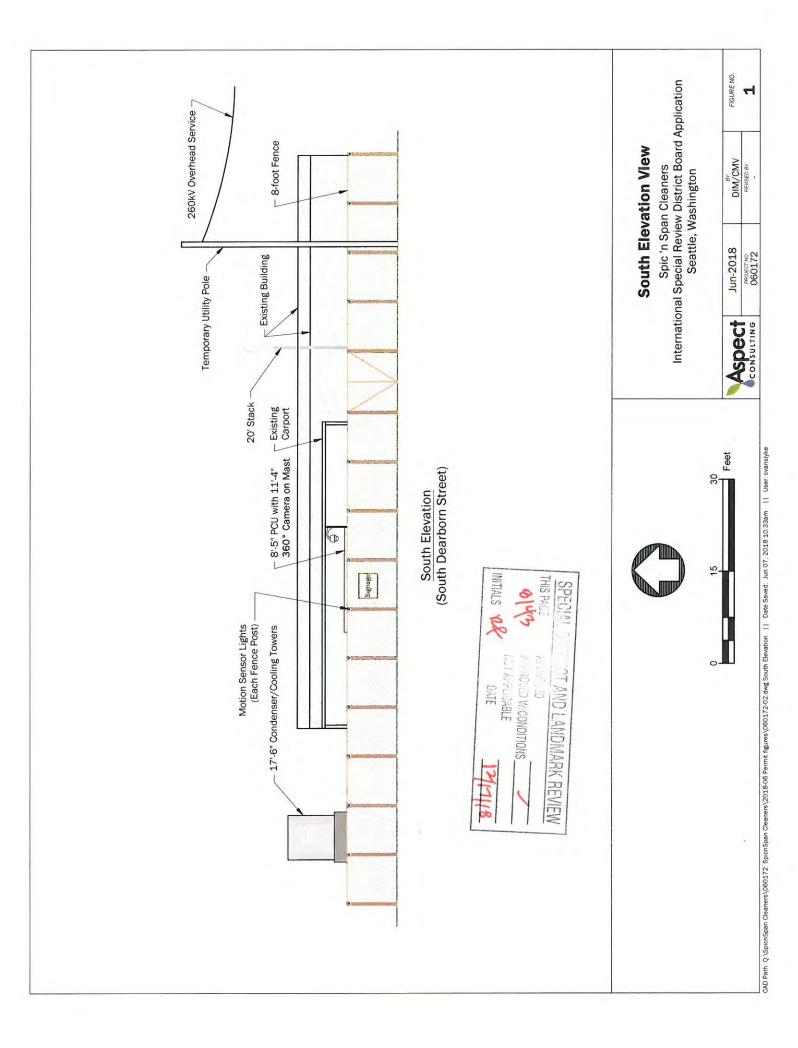


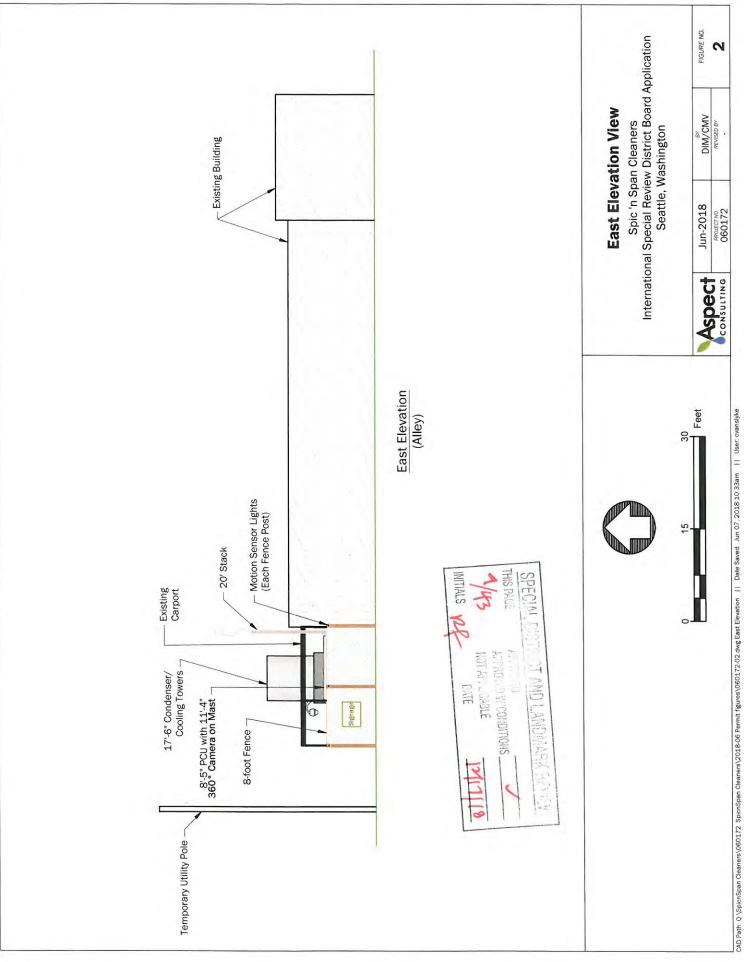
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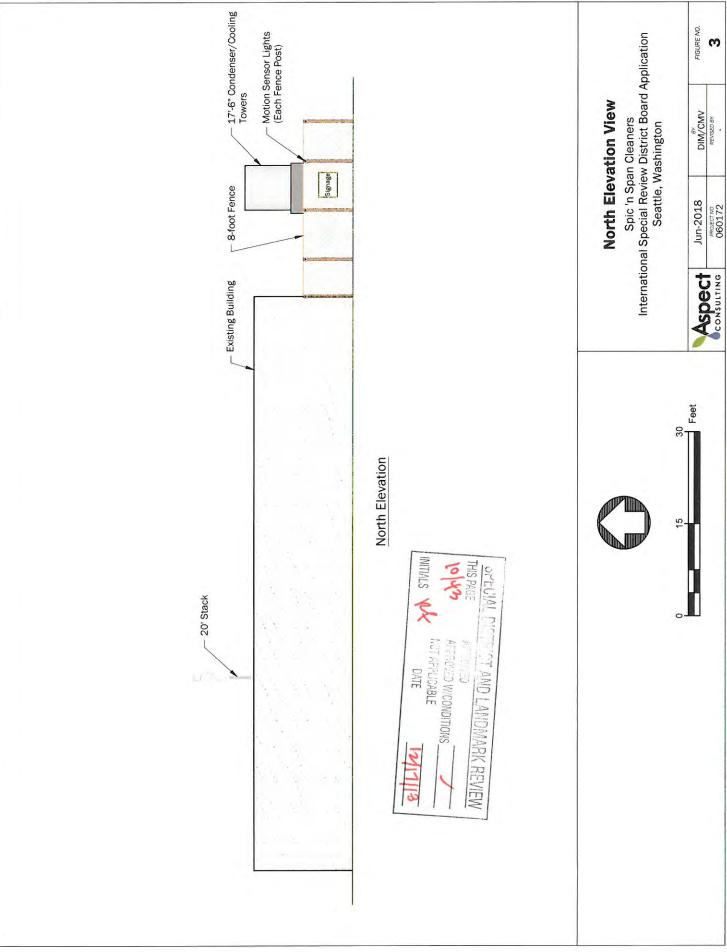
Scale Drawings

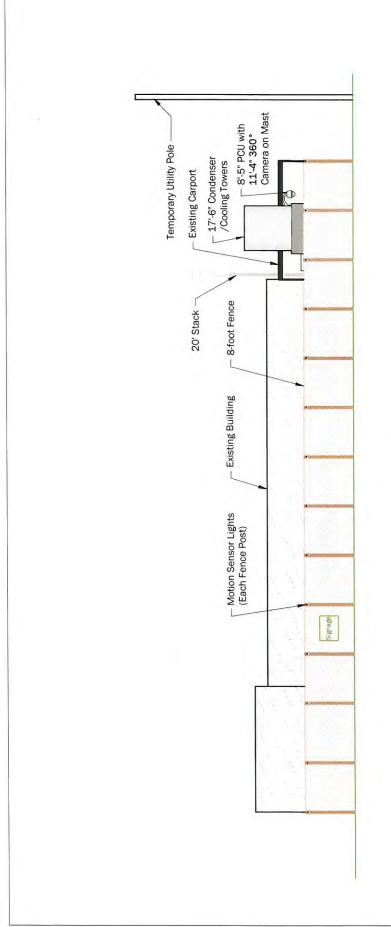


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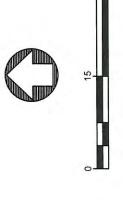


West Elevation (Maynard Avenue South)

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West Elevation View

Spic 'n Span Cleaners International Special Review District Board Application Seattle, Washington

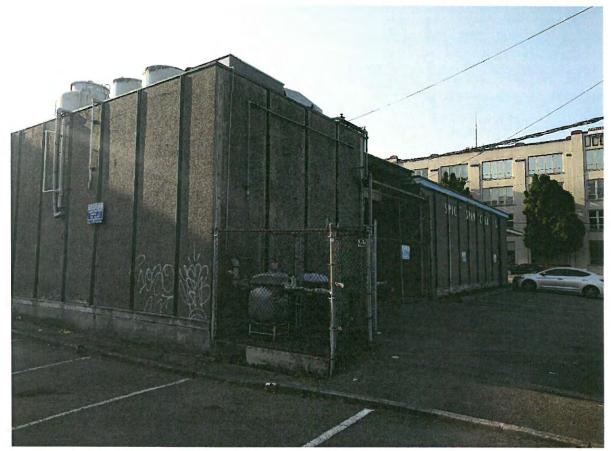
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Feet

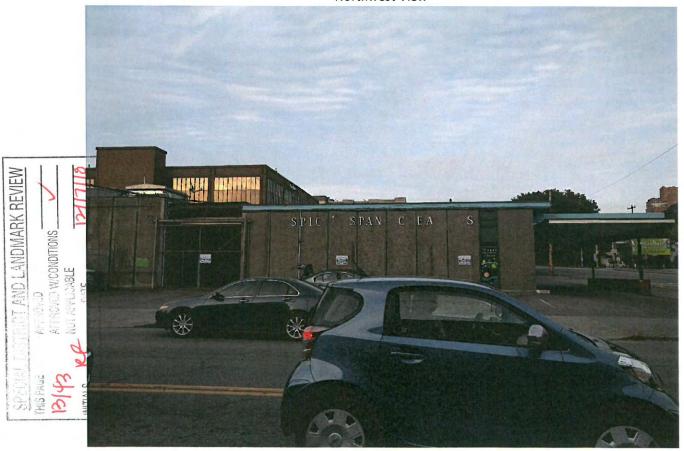
ATTACHMENT E

Photographs of Existing Features

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Northwest View



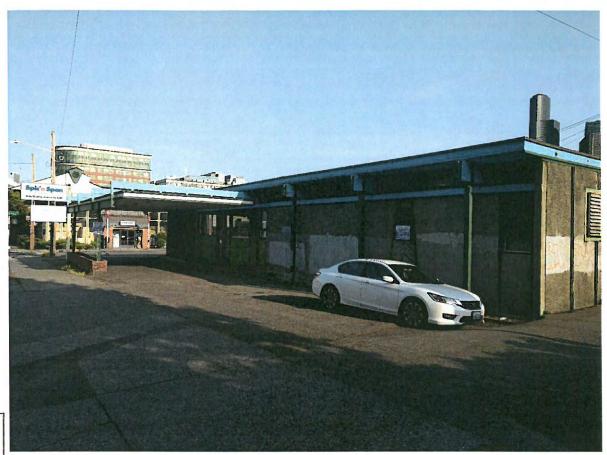
West View



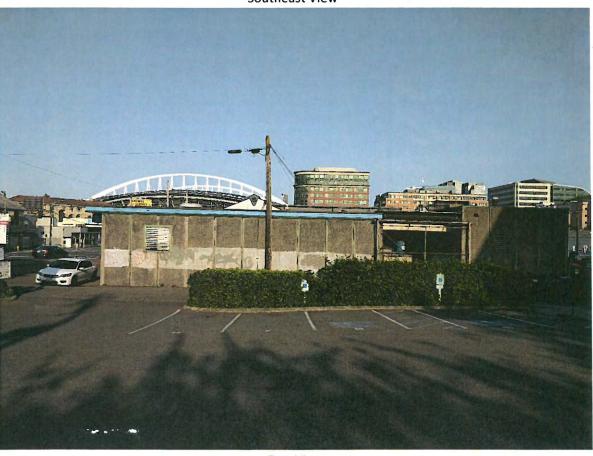
Southwest View



South View



Southeast View



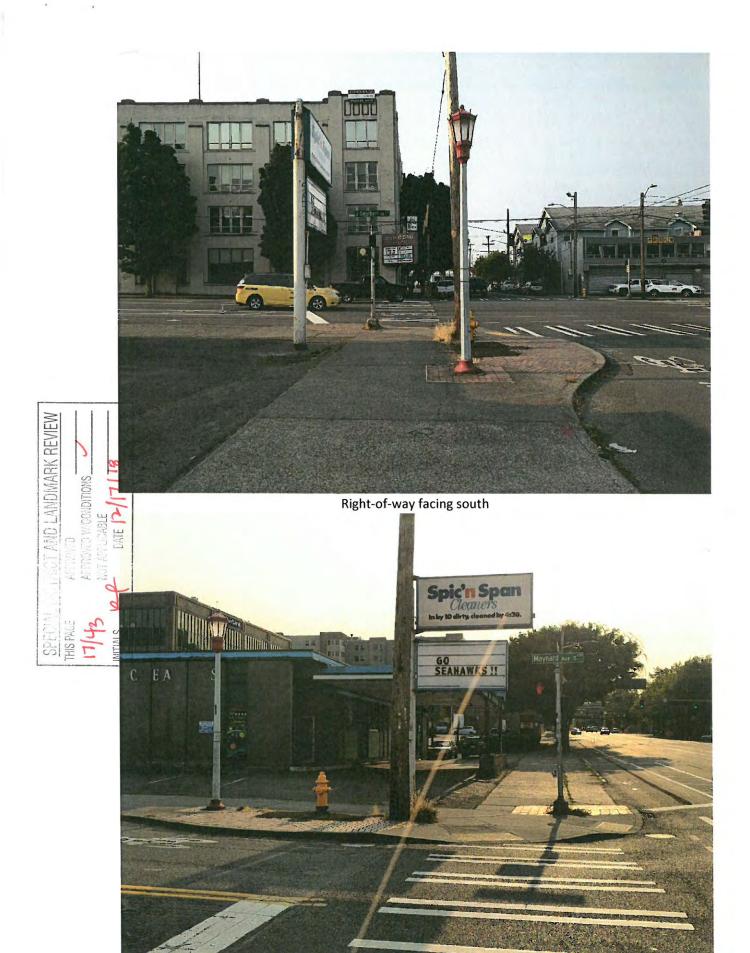
East View



North View



Right-of-way facing southwest



Right-of-way facing east

ATTACHMENT F

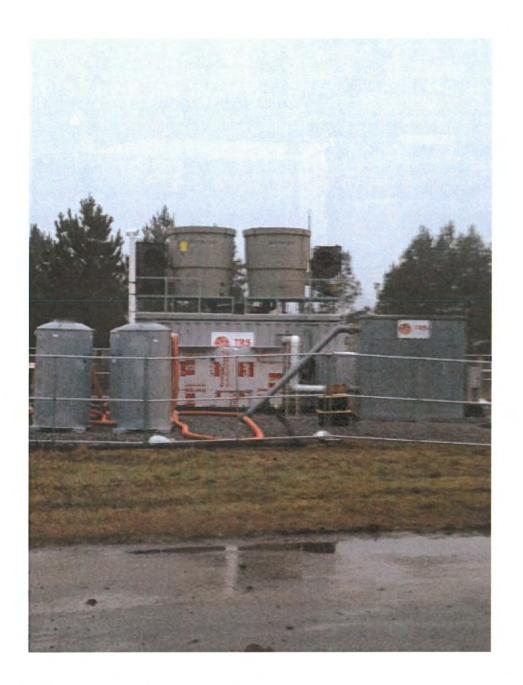
Photographs of Similar Projects and System Components

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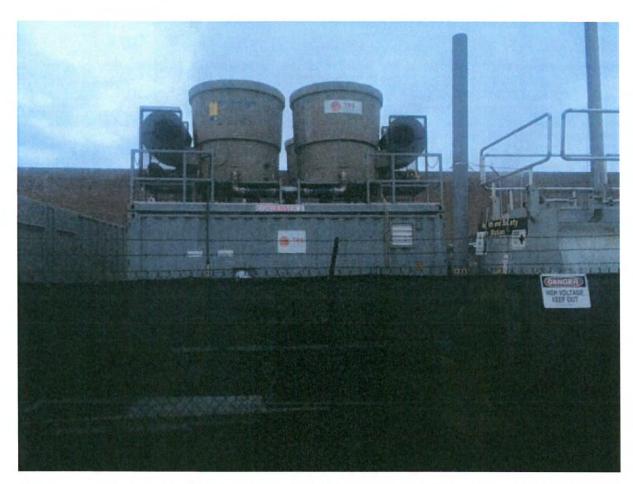
Typical ERH equipment compound. The equipment located in the center background are the condenser/cooling towers. The unit is 20' long by 8' wide by approximately 16' high. The equipment located in the center is the ERH power control unit (PCU). The PCU for this site will be 15' long by 8' wide by 9' high.

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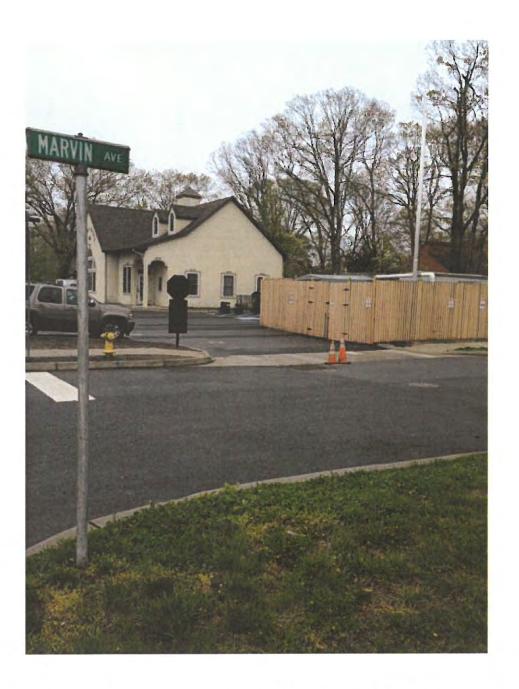
ERH equipment compound without privacy screening on fence. Vapor phase granular activated carbon vessels and discharge stack are located in the foreground.





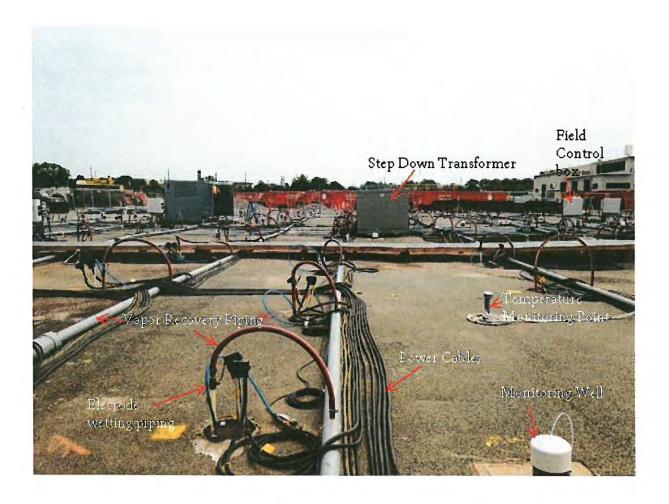
ERH equipment compound with privacy screening on security fence. The stack in the center of the photo is similar in height to what will be at the site.

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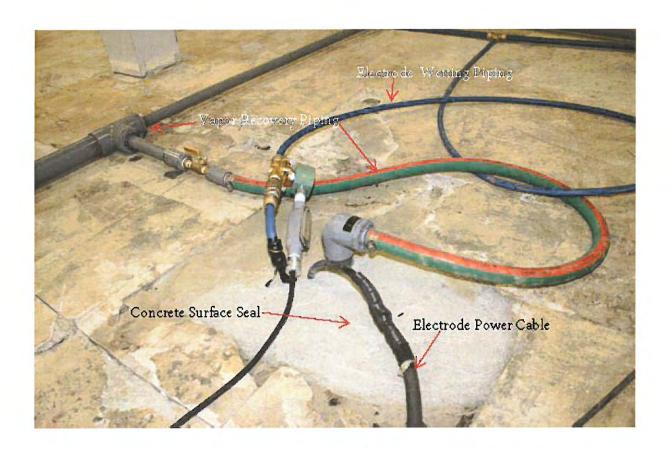
Small equipment compound with privacy slat fence. Note stack from carbon vessels rising above the compound.

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Typical ERH site displaying electrode power cables, vapor recovery piping, temperature monitoring point, monitoring well, and field located equipment. The piping and cabling will be located within the fenced area, and will be visible if there is not any screening present.





Typical ERH electrode surface completion illustrating vapor recovery and electrode wetting pipe and electrode power cable, and surface concrete seal.





Trench in parking lot repaired with controlled density fill (CDF) during ERH operations. The CDF is removed and replaced with asphalt at the completion of operations.





Traffic rated trench completion in warehouse parking lot.

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Newly installed driveway at the completion or ERH operations in the Green Lake area of Seattle. Plastic was used to cover fence in order to protect from graffiti. If fencing was tagged, plastic would be replaced.

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ATTACHMENT G

Fencing Details



Fence Construction Details

The fence surrounding the construction are will be constructed of vinyl-coated chain link and secured to wooden fence posts every 8 feet. Fence posts will be secured in concrete footings set in the ground with motion sensor lights on each wooden fence post. Lighting specifications are included in Attachment H. Murals painted on privacy fabric by a community-based art group (Urban Artworks) would cover the outside of the chain link fence. The proposal from Urban Artworks with example artwork is included below.





Example of chain link fence with privacy fabric (murals to be developed and are not shown):



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652 S Dearborn Street

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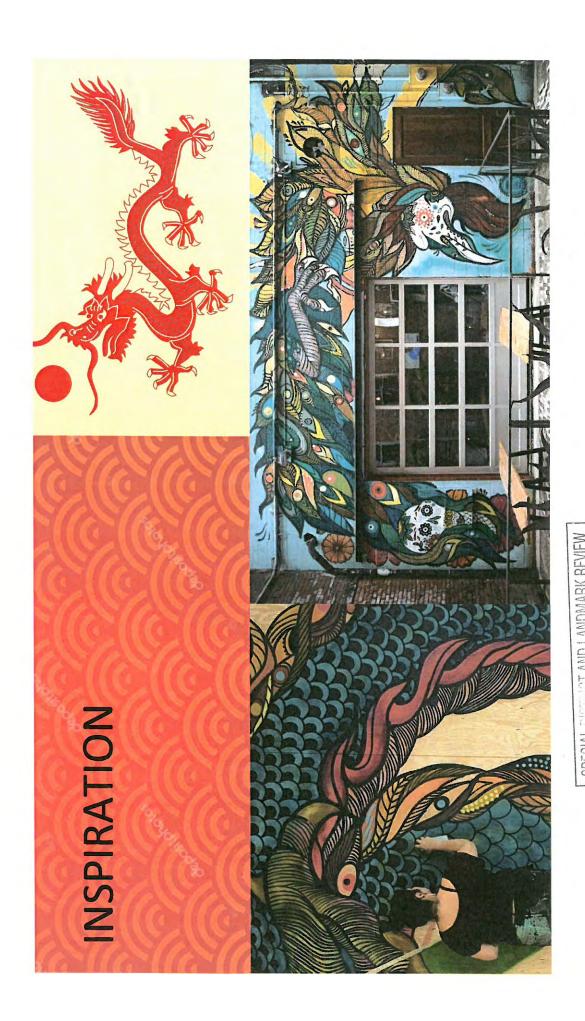
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RECENT EXAMPLES











Budget

\$5/sq foot of windscreen

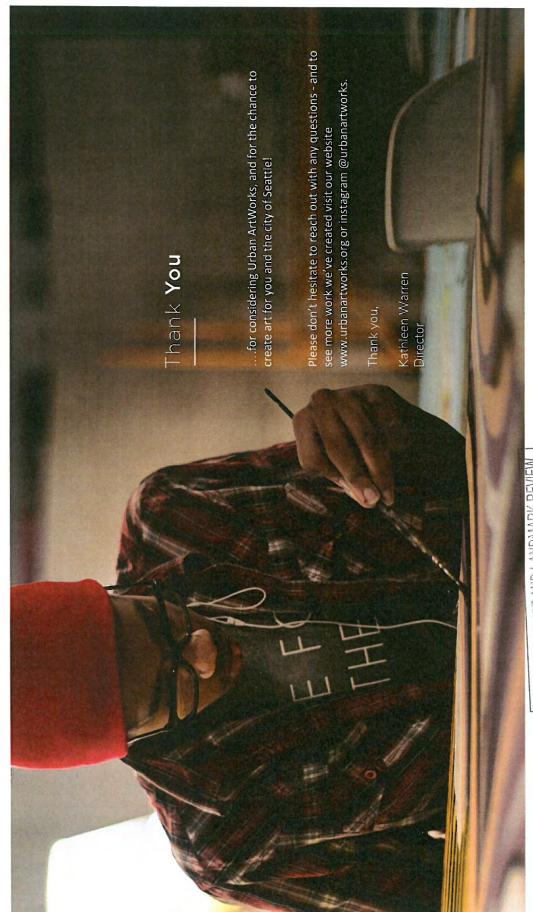
Client to provide screens, Urban ArtWorks to provide all other supplies and custom art! Upon completion Urban ArtWorks will deliver to client for installation

Timeline —

October 2018 Submit Proposal

Concept Design/Final Reviews **December 2018**

2019 (estimated 2 week delivery)



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ATTACHMENT H

Lighting Specifications



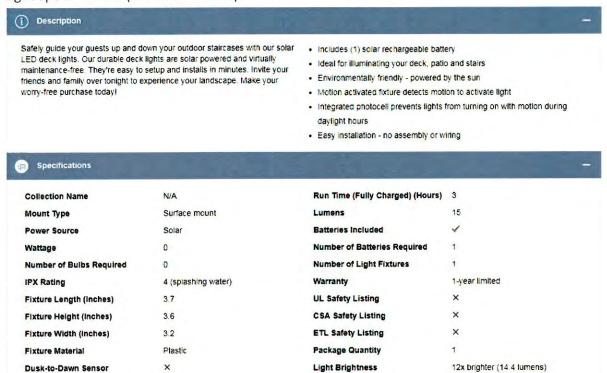


Lighting Details

Light Selection:

Portfolio 12x Brighter (14.4-Lumen) Black Solar LED Post Deck Light with Motion Sensor

Light Specifications (from Lowes.com):



Fixture Color Family

Glass/Lens Type

Bulb Type

Battery Type

Fixture Finish

Voltage Type

Primary Usage

Example photos:

Voltage

Motion Sensor

Light Bulb Base Type

Wattage Equivalent

Manufacturer Color/Finish

Color Temperature (Kelvins)

Recommended Light Bulb Shape



0

LED

LED

Black

3500



Black

Clear

N/A

N/A

Post

Integrated LED

Lithium iron phosphate (LiFePO4)

ATTACHMENT I

Summary of Review Board Briefing Comments and Proposed Actions





Summary of Briefing Comments and Proposed Actions

Project briefings were provided to the Board in 2016 and August 2018. Comments from these briefings and proposed actions to address comments are summarized below.

Privacy Fencing and Lighting

The board indicated that graffiti is a concern on privacy fencing. In order to discourage graffiti, motion sensor lights will be installed around the perimeter of the fence and maintained throughout the duration of the project. In addition, a community art group will be engaged to provide murals on fabric that will be attached to the fence.

Environmental Permitting and Sample Results

The board requested a clear understanding of how permit compliance will be communicated to the surrounding community. A website will be created to communicate project information to the public. The website address will be posted on the west and south sides of the perimeter fence.

Air Discharge Permit: The Puget Sound Clean Air Agency (PSCAA) has determined that this project is exempt from permit requirements because it has "a de minimis impact on air quality and does not pose a threat to human health or the environment." (Notice of Construction No. 11093, Exemption from NOC Requirements). However, treatment will be utilized in order to control odor and air discharge samples will be collected on a weekly basis and laboratory results will be posted on the website within 72 hours of receiving sample results.

Based on questions from the board during the August 2018 regarding recent PSCAA air quality studies in the International District, Aspect contacted Matt Harper at PSCAA to learn more about his research on air quality in the International District and reviewed the PSCAA report from June 2018 titled "Near-Road Air Toxics Study in the Chinatown-International District." Based on the report, the majority (75%) of the potential cancer risk in the International District is from diesel particulate matter from vehicle exhaust, which this project will not have any impact on. There were slightly elevated levels of PCE (one of the target contaminants for this cleanup) near the sampling location at Denise Louise Education Center versus the national average. Based on the analysis done by PSCAA, these higher PCE levels are most likely due to the dry-cleaning activities at Spic'n Span Cleaners, which is located two to three blocks west of the Denise Louie Education Center. Concentrations of PCE in the air are not expected to increase as a result of our project's remediation activities, as confirmed by the exemption letter from PSCAA referenced in the previous paragraph and are likely to decrease since active cleaner operations at the property will cease and all air emissions from the treatment system will be treated. The Board had inquired whether a community group meeting should be considered to discuss air quality impacts; Mr. Harper suggested that, given the de minimis nature of expected project impacts, a meeting was not warranted but that an article about the project could be posted in the International Examiner (discussed below under public outreach).

Wastewater Discharge Permit: A permit from the King County Industrial Waste Program will be obtained to discharge treated process water into the sanitary sewer at the site. This water will be sampled on a weekly basis, and laboratory results will be posted on the website within 72 hours of receiving the sample results.

To promote transparency, a copy of both the Puget Sound Clean Air Agency exemption letter and a copy of the King County Industrial Waste permit will be posted on the website along with weekly sample results. Additionally, contact info for each agency and the Aspect Consulting project manager will be posted on the website.

Water Supply Pipes and Lead

The board indicated a concern with the potential for subsurface heating to mobilize lead in water pipes. Aspect reviewed available subsurface maps for water supply pipes that may pass through the treatment area. No active water supply pipes were identified within the heated treatment area.

Community Outreach

The board requested outreach to local community organizations. Aspect contacted the following agencies:

- -Seattle Chinatown International District Preservation Development Authority
- -Chinatown International District Business Improvement Area
- -Department of Archeology and Historic Preservation

Based on conversations with these agencies, Aspect will distribute flyers at the beginning of the construction period explaining what the project is and the website address where the community can obtain permit compliance information. The flyers and website will have information presented in both English and Chinese. Additionally, Aspect will write up an article for the local newspaper, the International Examiner, giving an overview of the project and the website address.



ATTACHMENT J

Puget Sound Clean Air Agency Exemption Letter





February 25, 2016

Clean healthy air for everyone, everywhere, all the time.

Eric Geissinger Aspect Consulting, LLC 401 2nd Ave S, Ste 201 Seattle, WA 98104

Dear Mr. Geissinger:

Board of Directors

Bremerton Patty Lent, Mayor

Everett Ray Stephanson, Mayor Paul Roberts, Board Chair

King County
Dow Constantine, Executive

Kitsap County Edward Wolfe, Commissioner

> Pierce County Pat McCarthy, Executive

> > Public-at-Large Stella Chao

Seattle Ed Murray, Mayor

Snohomish County Dave Somers, Councilmember

Tacoma Ryan Mello, Councilmember

> Executive Director Craig T. Kenworthy

> > Phone 206.343.8800 800.552.3565

Fax 206.343.7522

Mail 1904 Third Avenue, Suite 105 Seattle, WA 98101-3317 Facility Registration No. 22449 Notice of Construction No. 11093 Exemption from NOC Requirements

We have reviewed your 1/25/16 request for an exemption from Notice of Construction permit requirements for soil & groundwater remediation at Spic N Span Cleaners dry cleaning facility (Reg. 22449) using an electrical resistance heating and vapor extraction system controlled by two carbon vessels arranged in series.

The Puget Sound Clean Air Agency (Agency) concludes that this project does not require a Notice of Construction permit. This determination is made under the authority of Agency Regulation I Section 6.03(b)(10). This section exempts "Any source not otherwise exempt under Section 6.03(c) of this regulation that has been determined through review of a Notice of Construction application by the Control Officer not to warrant an Order of Approval because it has a de minimis impact on air quality and does not pose a threat to human health or the environment."

If you have any questions about this determination, please contact Gerry Pade at 206-689-4065 or me at 206-689-4061.

Sincerely,

Carole Cenci, P.E. Compliance Manager

Wille ComPE

CJC:ns

cc: Gerry Pade Walter Voegtlin

Jae Lee Spic N Span Cleaners 652 S Dearborn St Seattle, WA 98134

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International Special Review District

Mailing Address: PO Box 94649, Seattle WA 98124-4649 Street Address: 600 4th Avenue, 4th Floor

ISRD 90/19

May 22, 2019

Delia Massey Aspect Consulting 710 Second Ave. S., #550 Seattle WA 98104

Re: Condition placed on Certificate of Approval in December 2018

Delia.

On December 11, 2018 the International Special Review District (ISRD) Board recommended approval for a Certificate of Approval for the remediation/clean-up (via electrical resistance heating – ERH) of soil and groundwater contamination and installation of treatment equipment and the erection of an 8' tall vinyl-coated chain link fence around the site, conditional upon submission of a final rendering or mock up of the design to the ISRD Coordinator for final review and approval prior to installation. I received the rendering on May 17, 2019 and confirmed that the revisions are consistent with the recommendations of the ISRD Board.

This letter confirms that the conditions associated with the Certificate of Approval (ISRD 280/18) have been met. A copy of the fence mural design has been placed in the project file within the Department of Neighborhoods office.

Rebecca Frestedt

International Special Review District Coordinator

rebecca.frestedt@seattle.gov * 206-684-0226

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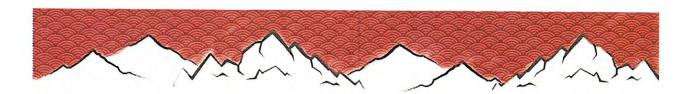
ATTACHMENT K

Final Mural Design

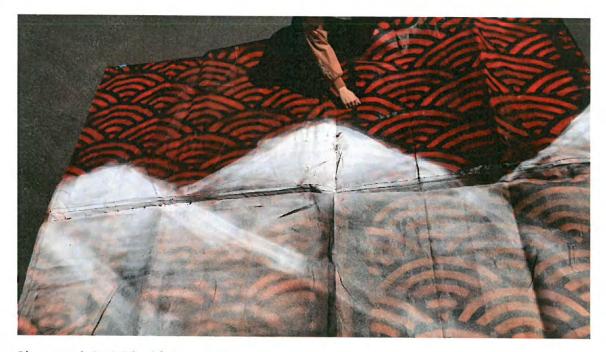
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The final mural design created by Urban Artworks for the construction fence at 652 S Dearborn St is shown in photographs 1 and 2. The mural was painted on a black woven polypropylene privacy screen, and the dimensions are 8 feet in height by 270 feet in length (divided into three 50-foot sections and two 10-foot sections for the fence gate). In the event of any graffiti, the mural will be spray painted white to cover it.



Photograph 1. Mock-up of final fence mural design by Urban Artworks.



Photograph 2. Finished fence mural.

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International Special Review District

Mailing Address: PO Box 94649, Seattle WA 98124-4649 Street Address: 600 4th Avenue, 4th Floor

SEPA: This action is

ISRD 25/20

categorically exempt from SEPA pursuant to WAC 197-11-800

CERTIFICATE OF APPROVAL

DATE:

February 10, 2020

APPLICANT:

Jeremy Porter/Delia Massey

Aspect Consulting 710 2nd Ave. #550 Seattle, WA 98104

WORK LOCATION:

652 S. Dearborn St. - Spic N' Span

TYPE OF WORK PROPOSED:

Site alterations

The International Special Review District Board recommends approval of an application for:

Site alterations: Revision to the previously approved configuration of equipment for remediation/clean up of soil and groundwater contamination.

See the attached plans, photographs and lighting specifications.

This recommendation is based on the presentation to the Board at the meeting of January 28, 2020 and is supplemented with documentation from the files.

The International Special Review District Board considered the following Seattle Municipal Codes and District Design Guidelines when making the recommendation:

SMC 23.66.334 - Streets and Sidewalks

Secretary of the Interior's Standards #10

I concur with the Board's recommendations and hereby issue this Certificate of Approval pursuant to International Special Review District, SMC 23.66, as amended.

It is the applicant's responsibility to obtain all other permits and comply with other City or County regulations. To obtain a permit for a sign, marquee or canopy, contact Steve Sampson, Seattle Department of Construction

and Inspections at 206-684-8419. To obtain a Street Use Permit, contact Seattle Department of Transportation Public Space Management, at 206-684-5267.

Andrés Mantilla, Director

Department of Neighborhoods

By: Rebecca Frestedt Board Coordinator

cc: ISRD Board Chair

Nathan Torgelson, SDCI Maria Cruz, SDCI

Street Use, SDOT

Gerald Ostroff, Property owner

Case file Log

NOTICE TO APPLICANT: Work must occur <u>exactly</u> according to approved plans and specifications. ANY revisions, omissions and/or additions to plans and specifications must be reviewed and approved by the International Special Review District Board prior to implementation.

APPEAL PROCEDURE: Any interested person may appeal the above decision to the City Hearing Examiner. The appeal and a copy of this decision must be filed with the Hearing Examiner, 700 5th Avenue, Suite 4000, Seattle, WA 98124 before 5:00 p.m. on the fourteenth (14th) day following the date of issuance of this certificate, and must be accompanied by an \$85.00 filing fee in the form of a check payable to the City Treasurer. Appeals must be in writing and must clearly state objections to the decision. A copy of the appeal shall also be served upon the Department of Neighborhoods Director, City Hall, 600 4th Avenue, 4th fl, Seattle, Washington 98124-4649.

EXPIRATION OF CERTIFICATES OF APPROVAL: Certificates of Approval shall expire eighteen months from the date of issuance unless the Department of Neighborhoods Director determines that extenuating circumstances justify extension of the expiration date. Form Revised February 20166

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ATTACHMENT B

Project Description



Spic'n Span Cleaners Remediation Project - Revision

This is a request for a revision to the previously approved application for the Spic'n Span Cleaners Remediation Project at 652 S Dearborn St. The original Certificate of Approval (ISRD 280/18) was approved on December 17, 2018 and is attached as Attachment C. The revision is requested because the site layout has changed due to new guidelines from Seattle City Light (SCL) regarding the placement and clearances required for pad-mounted transformers on private property. The updated guidelines are described in Seattle City Light Construction Standard 0724.50, "Customer Requirements for Padmount Transformer Services, Looped Radial System", effective on May 21, 2019 (Attachment D). These new guidelines went into effect after the Certificate of Approval for the project had been obtained, while Seattle City Light was still in the process of reviewing the transformer pad design for the Spic'n Span Cleaners site. The change in layout only affects the southeast corner of the site, where the transformer is located. The transformer is in approximately the same location as presented in the original application, however, now the fence along the south side of the property will end 23 feet before the east property line and the transformer will be located 7 feet east of the fenceline. Due to the constraints of the new guidelines which have specific clearances for conductive and combustible structures, the transformer must be located outside the fence. This will have a different visual impact than the original site design, but it is the only way to accommodate the SCL requirements. The new site layout is included in Attachment E, scale drawings are included in Attachment F, and photographs of existing features and proposed features are included in Attachments G and H, respectively. Construction details and specifications for the transformer pad and the bollards are included in Attachment I.

Site Restoration Plan

The surfaces at the site will be returned to their existing condition once the remediation is complete, including the asphalt where the transformer pad will be constructed and where the bollards will be installed.

Lighting and Fence Mural

Although the southeast corner of the property with the transformer will no longer be fenced in, the rest of the property will still have a vinyl chain link fence with wooden fence posts and a mural as described in the original application. The fence mural was created as planned by Urban Artworks and the final design is included in Attachment J. The motion-sensor lighting will also be installed on the fence posts as planned in the original approved application.



ATTACHMENT D

Seattle City Light Construction Requirement 0724.50

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Standard Number: 0724.50

Superseding: November 20, 2018 Effective Date: May 21, 2019

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Customer Requirements for Padmount Transformer Services, **Looped Radial System**

1. Scope

This standard provides the requirements for Seattle City Light (SCL) looped radial system transformer pad services. This standard does not provide requirements for in-building vaults.

Application

This standard provides direction to customers, contractors, and SCL crews about where and how to properly install transformer pad services on private property.

For transformers located within in-building vaults, refer to SCL 0751.00 and 0751.60.

For transformers installed outside in below-grade vaults, refer to SCL 0732.50.

Conflict

Where conflict exists between SCL requirements, the following order of precedence shall

- Project-specific Customer Requirements Package, including the Service Construction Letter and Drawing
- 2. SCL 0724.50
- 3. Seattle Building Code, 2015, Section 428 (within the City of Seattle)
- Other SCL construction standards
- Other industry standards

General Requirements

See project-specific construction package for:

- Transformer pad location
- Bollards, if required

Conduits shall extend 3 inches above the surface of the pad. Grout and use petroleum resistant sealant around conduits.

Elbows shall be rigid galvanized steel.

All exposed metallic conduits shall have a grounding bushing or a bushing plus a ground clamp.

> SPECIAL DISTRICT AND LANDMARK REVIEW THIS PAGE

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NOT APPLICABLE DATE

Standards Coordinator Brett Hanson

net Himon

Standards Supervisor John Shipek

Unit Director Andrew Strong

Seattle City Light **CONSTRUCTION STANDARD**

Customer Requirements for Padmount Transformer Services,

Looped Radial System

Standard Number: 0724.50 Superseding: November 20, 2018 Effective Date: May 21, 2019

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High Voltage (Primary) Conduits 4.1

Provide and install two 4-inch conduits from the vault to the utility facility specified by the 4.1.1

SCL Engineer.

4.1.2 Install and terminate below-grade primary conduit per SCL 0222.02 and 0214.00.

> Provide and install conduit risers on pole per SCL 0224.34. Exact location shall be included in the project-specific Customer Requirements Package.

4.2 **Secondary Conduits**

The customer shall furnish and install NEC-sized conduit and phase and neutral conductors of sufficient length to connect to the transformer terminals. See SCL 0473.50 for cable options. The conduit location shall be designated by SCL. If more than four conductors per phase and neutral are installed, the customer may be required to provide a secondary termination facility. For eight or more secondary conduits contact SCL Engineer for layout. See SCL 0224.07.

4.3 **SCL Access**

Provide properly supported, unobstructed access from the right-of-way to the transformer pad for SCL equipment-handling machinery. SCL must be able to move to the transformer pad, or remove from the transformer pad, all electrical equipment, including tall, heavy transformers, and to service electrical equipment using SCL equipment handling machinery.

Provide unobstructed clear space above each pad so that SCL can move transformers using SCL equipment handling machinery. Provide a permanent, level, unobstructed, 8-ft wide working area to the pad. If any portion of the building extends within 3 feet of the footprint of the pad, an Equipment Transportation Agreement is required that will be attached to the property title. The agreement requires the building owner to move transformers to and from the transformer pad, to a mutually agreed upon location on, or in the vicinity of, the owner's property from which SCL is able to deliver or pick up the transformers using normal transporting methods and equipment. Any damage that occurs to the transformers during transportation by the building owner and any additional expense incurred as a result of damage shall be paid by the building owner.

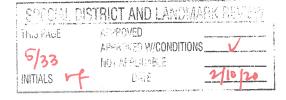
Transformer Pad Location

Pad shall be located in order to satisfy Figures 4.4a, 4.4b, and 4.4c. Combustible and noncombustible structures are defined by the Authority Having Jurisdiction.

Provide a minimum of 10 feet unobstructed working clearance on the conduit-opening side of the pad, and a minimum of 3 feet of clear space on the three other sides of the pad, for SCL crew's working-space and the pad's ground ring. If curbs are used for protection instead of bollards, any side of the transformer pad exposed to traffic shall have a continuous minimum 8-inch-tall structural curb installed 10 feet from the nearest edge of the pad.

Foundations, footings, structures, tanks, piping, etc. are not allowed within the footprint of the transformer pad, grounding ring, or oil containment system.

Maintain a minimum of 25 feet unobstructed vertical working clearance from the top of the pad to any trees.



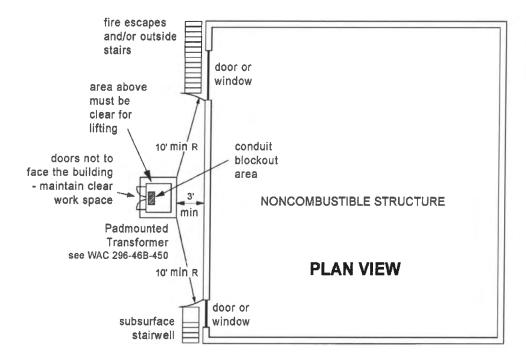
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Transformer pad must be a minimum of:

- 10 feet from any property line between private properties.
- 10 feet from building doors or windows.
- 10 feet from combustible structures.
- 7 feet from noncombustible conductive (metal) structures.
- 3 feet from noncombustible nonconductive structures.
- 10 feet horizontally from any trees. The distance shall be measured from the tree's root ball to the nearest edge of the pad.

Figure 4.4a. Noncombustible Structures (for combustible structures, see Figure 4.4c.)





Customer Requirements for Padmount Transformer Services, Looped Radial System

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Figure 4.4b. Noncombustible Structures Elevation View (for combustible structures, see Figure 4.4c.)

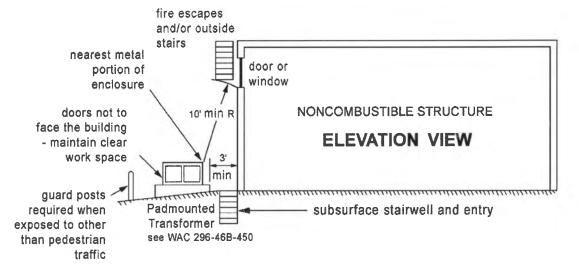
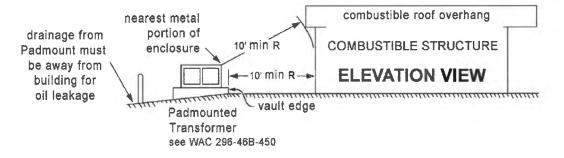


Figure 4.4c. Combustible Structures, Elevation View



4.5 Bollards

After the transformer has been set on the pad, install highly-visible, non-conductive 8-inch diameter minimum by 8-foot long rigid posts, Ceme-Tube Bollard or structural equivalent, to protect the transformer from vehicles. Insert posts to a depth of 4 feet and fill with concrete per manufacturer's instructions.

Locate bollards outside of the oil containment system.

Locate bollards a minimum of 4 feet away from the transformer door side of the pad so that the doors will open 180 degrees.

Locate bollards a minimum of 3 feet away from the transformer pad on the other three sides of the transformer.

See project-specific construction package for bollard locations.

4.6 Soundproofing

Isolate transformer pad so that sound and vibration levels from transformers satisfy applicable laws and ordinances of the State of Washington, King County, and the appropriate municipality.



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Customer Requirements for Padmount Transformer Services,
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4.7 Oil Containment

Provide oil containment per SCL 0735.50.

If precast or cast-in-place oil-containment system is installed separately from the transformer pad, connect the pad to the system.

Connections shall be made with a minimum of eight (8) concrete anchors or rebar dowels: one near each corner and one at the middle of each side.

Connections shall be made a minimum of 6 inches from pad edges and 4 inches clear of the lifting inserts.

Rebar dowels or rod shall be embedded a minimum of 4 inches into the foundation or oil containment slab.

Concrete anchors shall be stainless steel (ASTM F593 - AISI 304/316 SS) and 3/4 inches minimum in diameter.

Rebar dowels or rods shall be stainless steel (ASTM F593 - AISI 304/316 SS) and #6 (nominal 3/4 inches) minimum diameter. The seam between the precast transformer pad and the oil containment system shall be grouted to prevent oil or water seeping into the interface.

5. Pad Requirements

Three-inch high capital letters, "SCL," shall be cast in the concrete pad surface, facing the outside, centered between the long side of the conduit opening and the nearest outside edge of the pad.

Furnish and install pad, wire, ground rods, and connectors per Table 5 and Figures 5a, 5b, 5c, and 5d.

SPECIAL DISTRICT AND LANDMARK REVIEW

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Seattle City Light CONSTRUCTION STANDARD

Customer Requirements for Padmount Transformer Services,

Looped Radial System

Standard Number: **0724.50**

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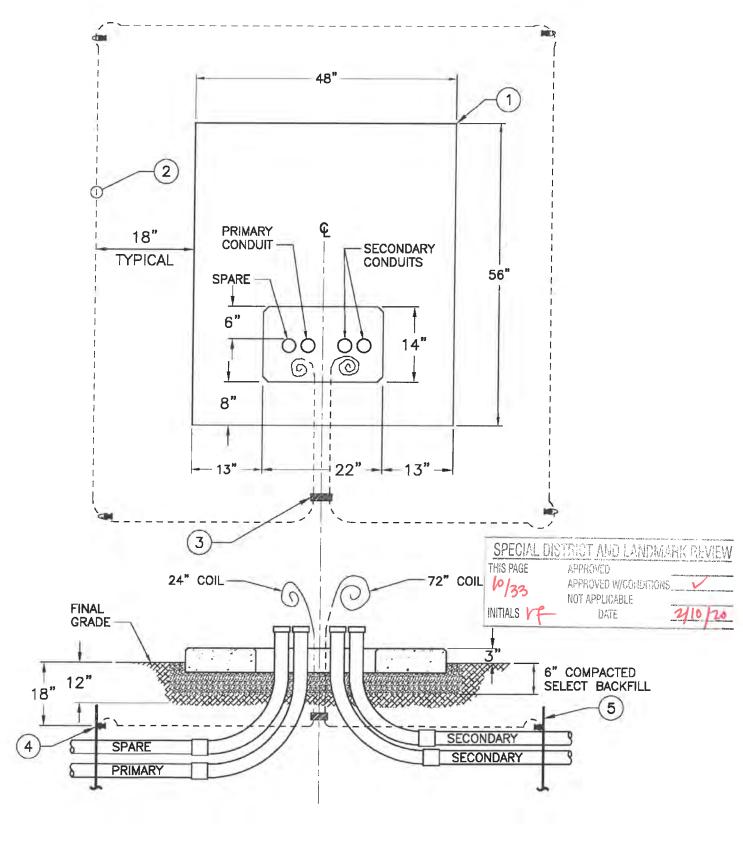
Table 5. Material List

Item No.	Item		F	igure	
1	Transformer Pad	5a	5b	5c	5d
	Stock No.	013721	013722	013723	013724
	Dimensions (W x L, inches)	48 x 56	84 x 84	96 x 93	96 x 120
-	Transformer	3,000,000,000,000,000,000			
	120/240V (kVA Range)	25-167	N/A	N/A	N/A
	208Y/120V (kVA Range)	N/A	150	225-500	750-1000
	480Y/277V (kVA Range)	N/A	150-300	500-1000	1500-2500
2	Ground Wire				
	Trade Size	#2 AWG	#2 AWG	2/0 AWG	2/0 AWG
	Quantity (ft)	40	55	60	65
	Stock No., Matl Std 6103.90	610434	610434	610425	610425
3	Connector				
	Stock No., Matl Std 6693.70	669379	669379	669379	669379
4	Exothermic Weld				
	Quantity	4	4	4	4
	Stock No., Matl Std 6762.90	013580	013580	013585	013585
5	Ground Rod				
	Quantity	4	4	4	4
	Stock No., Matl Std 6762.25	564238	564238	564238	564238

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Standard Number: **0724.50**

Figure 5a. Single-Phase Transformer Pad Requirements

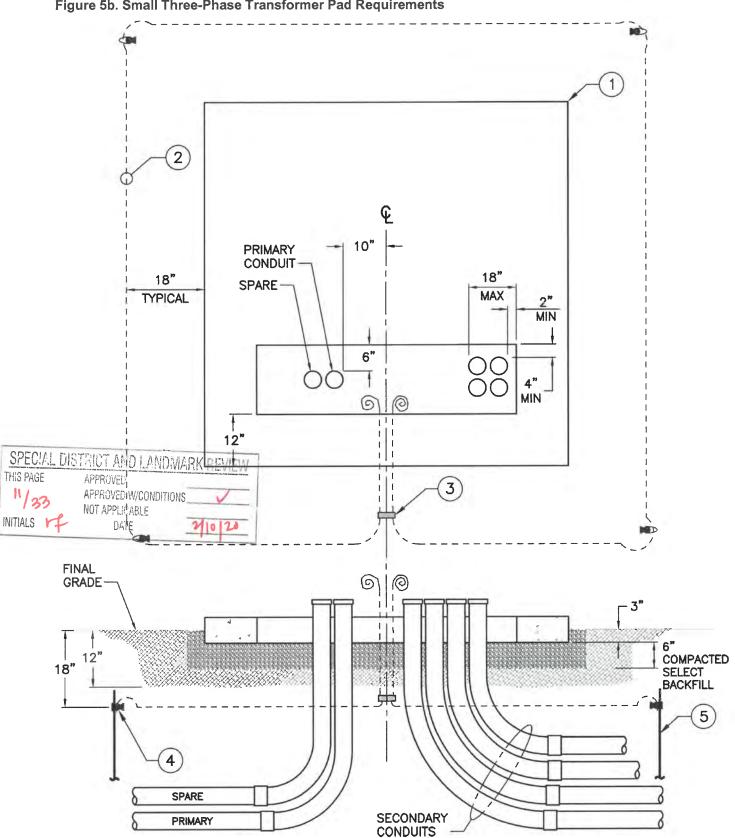


Customer Requirements for Padmount Transformer Services, Looped Radial System

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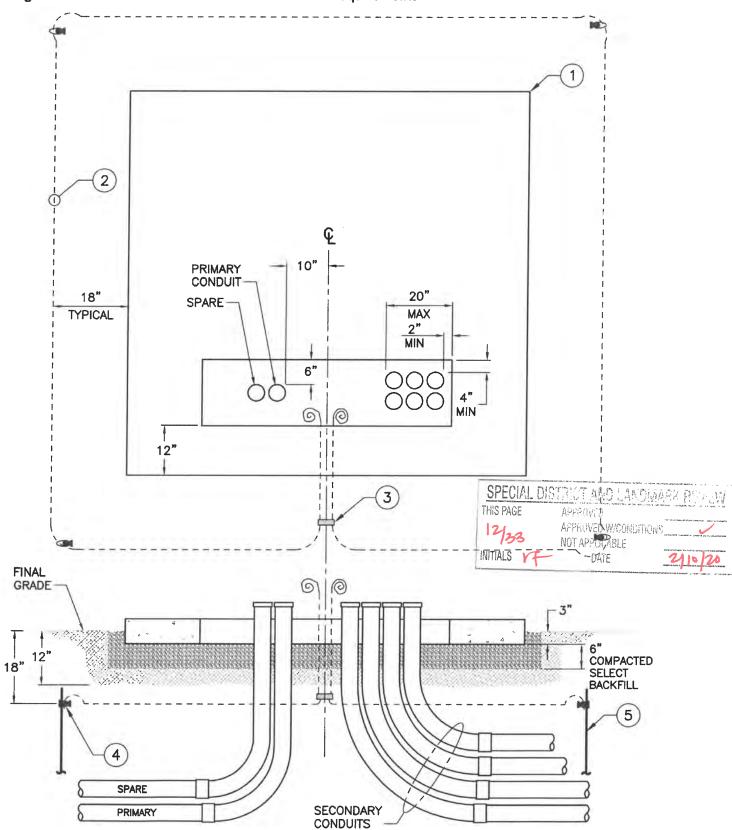
Figure 5b. Small Three-Phase Transformer Pad Requirements



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Figure 5c. Medium Three-Phase Transformer Pad Requirements



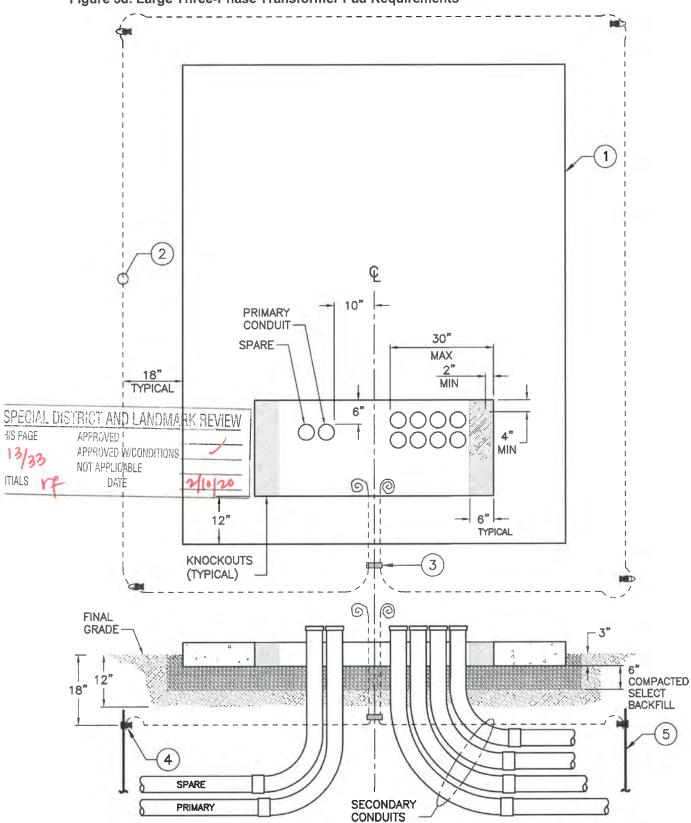
Customer Requirements for Padmount Transformer Services,

Looped Radial System

Standard Number: 0724.50

Superseding: November 20, 2018 Effective Date: May 21, 2019 Page: 10 of 11

Figure 5d. Large Three-Phase Transformer Pad Requirements



Customer Requirements for Padmount Transformer Services, Looped Radial System Standard Number: **0724.50**Superseding: November 20, 2018
Effective Date: May 21, 2019

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NOT APPLICABLE DATE

6. Grounding

Furnish and install grounding per Table 5 and Figures 5a, 5b, 5c, and 5d.

Ground ring must form a complete rectangle as shown in Figures 5a, 5b, 5c, and 5d, and when tested by SCL, provide a resistance to ground of 25 ohms or less.

All below-grade connections shall be done by exothermic weld per SCL 0468.90.

For the primary conduit duct bank that enters the transformer terminal compartment, install 50 ft of bare 250 kcmil wire in the bottom of that duct bank to form a concrete-encased electrode. Wire must be straight and positioned to ensure it is surrounded by 2 in of concrete on all sides when concrete is poured. From the duct bank electrode, extend 6 ft of additional wire into the transformer primary terminal compartment to connect it to the transformer grounding lug.

7. References

SCL Construction Standard 0214.00; "Clearances between SCL Underground Structures and Other Structures"

SCL Construction Standard 0222.02; "Requirements for Primary Conduit and Duct Bank Installation"

SCL Construction Standard 0224.07; "Requirements for Secondary Conduit Installation"

SCL Construction Standard 0224.34; "Steel Conduit Risers"

SCL Construction Standard 0468.90; "Exothermic Connection System"

SCL Construction Standard 0473.50; "Looped Radial and Network Service Entrance Cables in Conduit for Underground Primary Service"

SCL Construction Standard 0732.50; "Customer Requirements for Below-Grade Transformer Service Vaults, Looped Radial System"

SCL Construction Standard 0735.50; "Oil Containment Systems"

SCL Construction Standard 0751.00; "Customer Requirements, In-Building Transformer Vaults, Network and Looped Radial Systems"

SCL Construction Standard 0751.60; "Concurrent Customer Requirements In Building Transformer Vaults"

8. Sources

Hanson, Brett; SCL Standards Engineer and originator of 0724.50 (brett.hanson@seattle.gov)

Lin, Chung; SCL Electrical Engineer and subject matter expert for 0724.50 (chung-i.lin@seattle.gov)

Perander, Eivind; SCL Electrical Engineer and subject matter expert for 0724.50 (eivind.perander@seattle.gov)

SCL Construction Guideline U10-7 (canceled); "Requirements for Transformer Pads and External, Below-Grade Transformer Service Vaults, Looped Radial System"

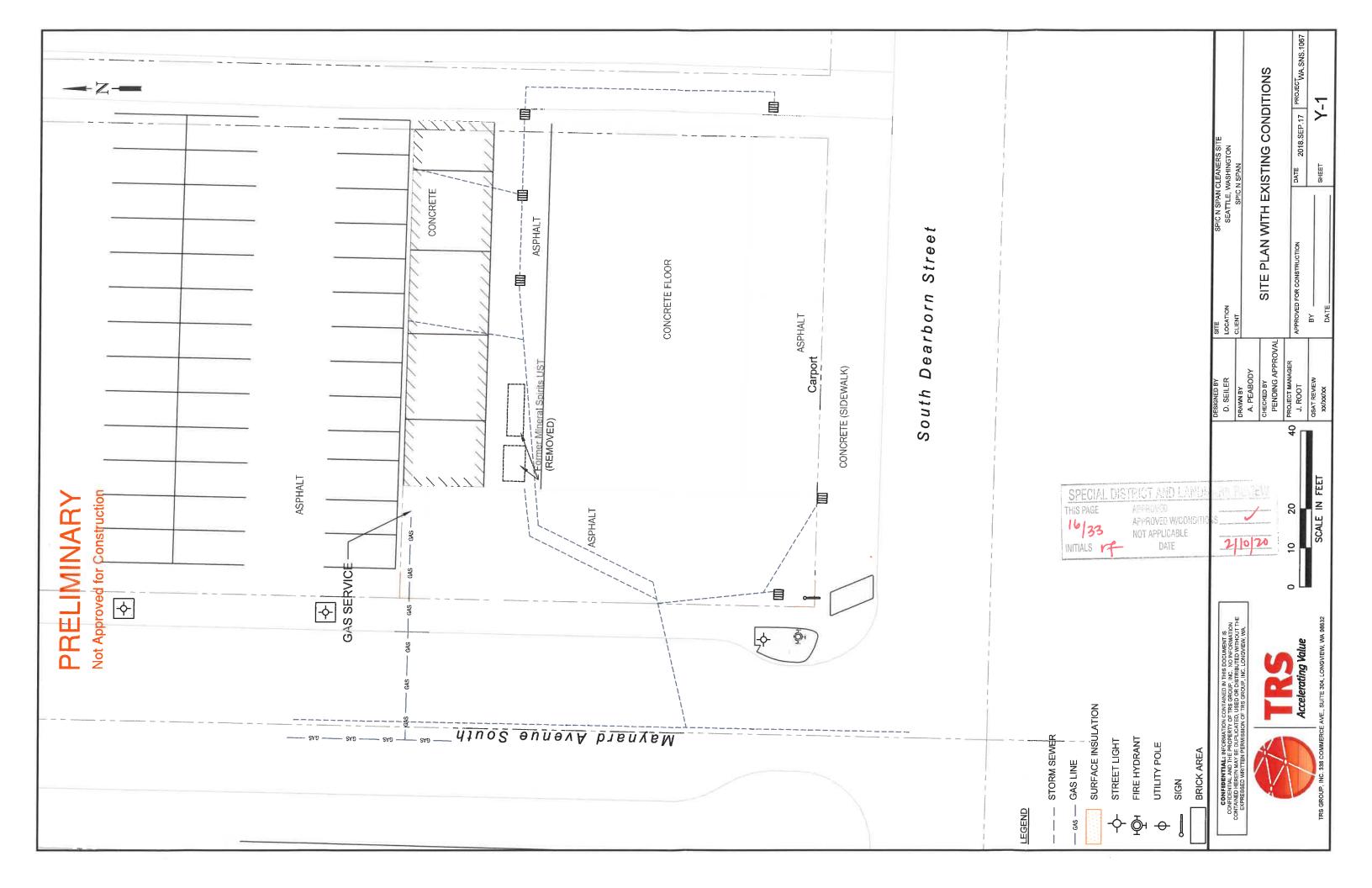
SCL Construction Standard 0461.10; "Grounding Electrodes for Handholes and Vaults"

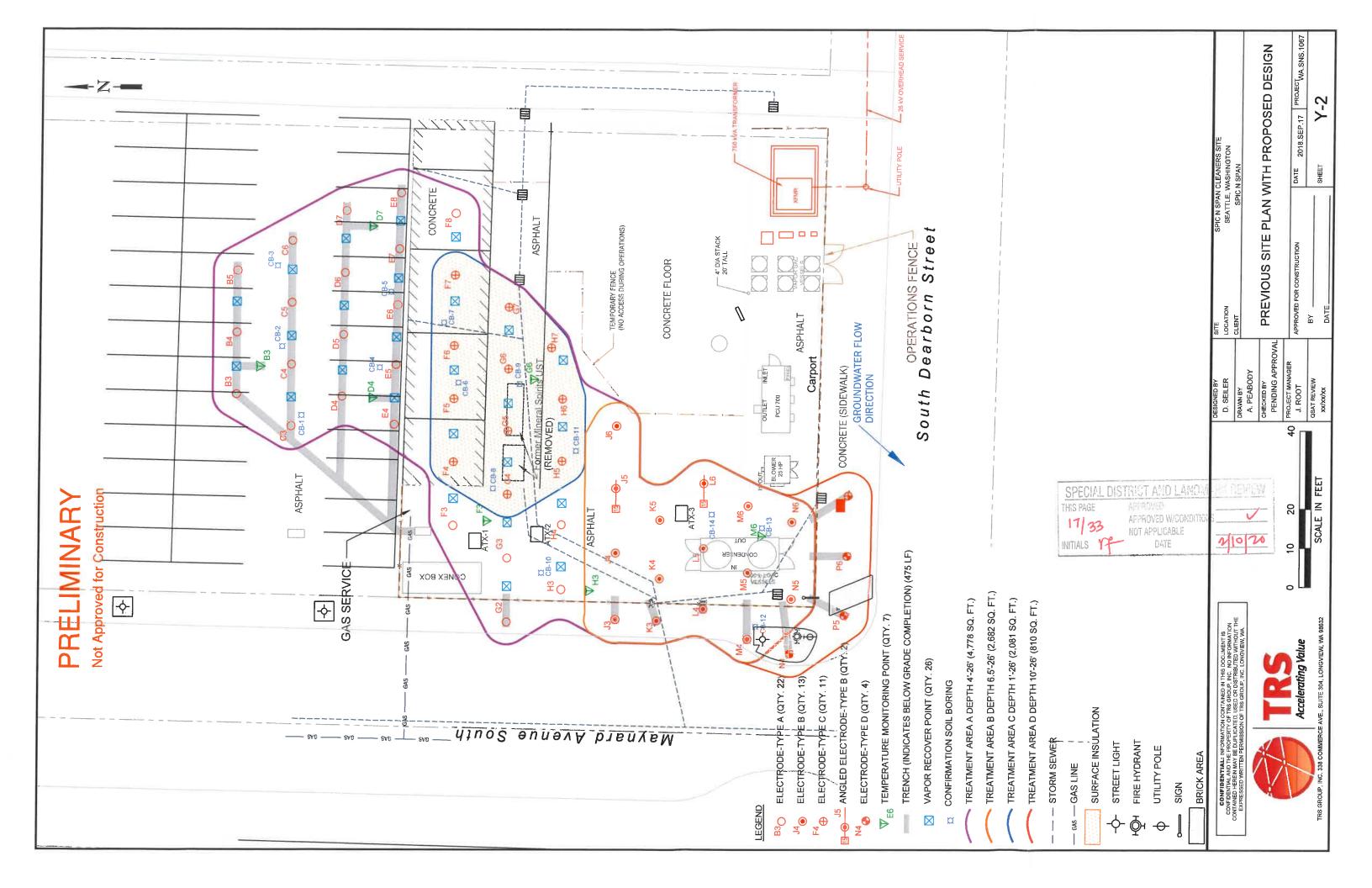
SCL Material Standard 7203.76; "Precast Reinforced Concrete Transformer Pads"

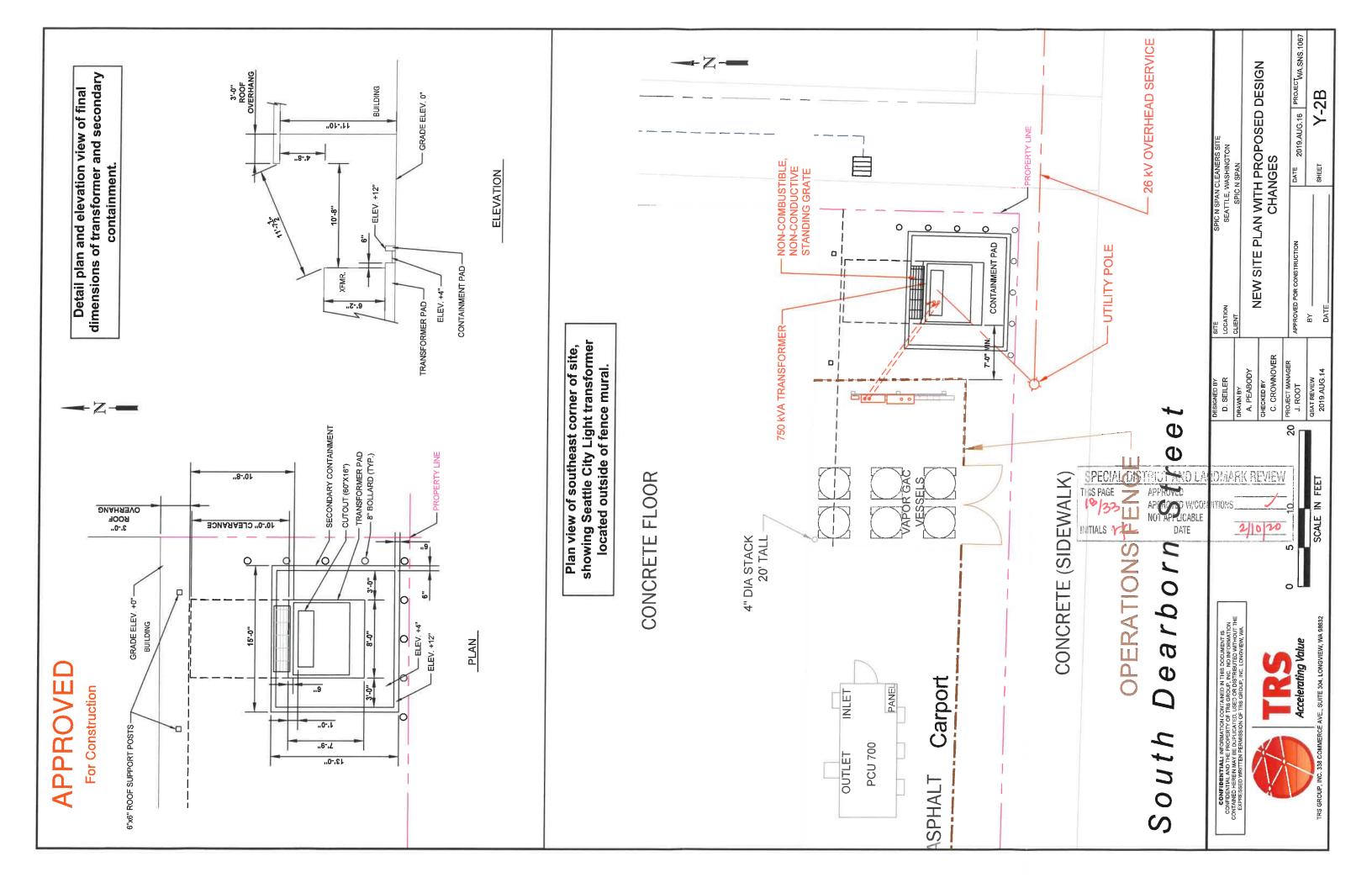
ATTACHMENT E

Site Plans

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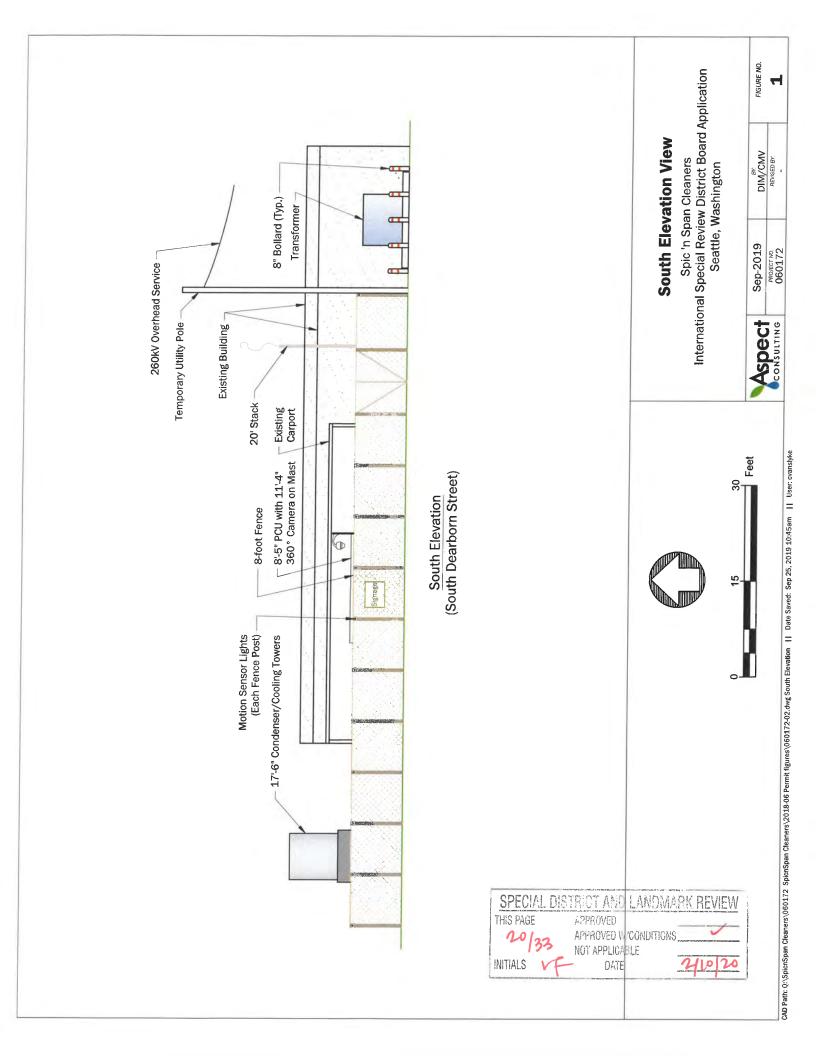


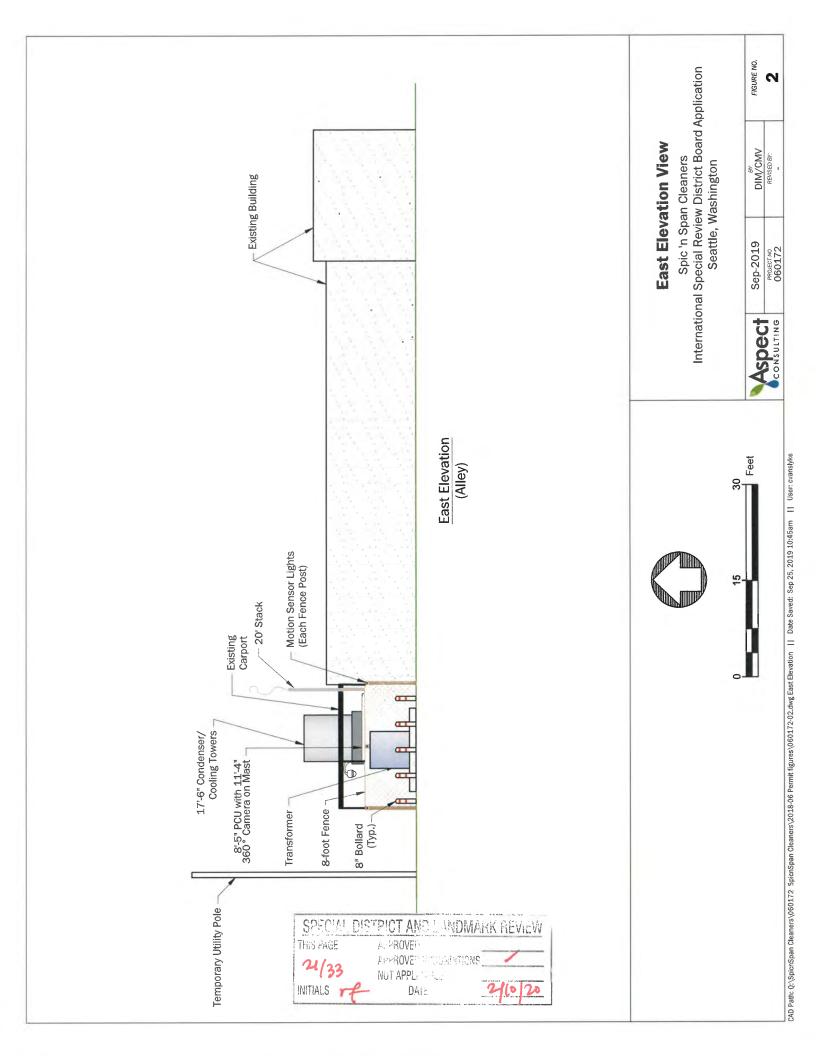


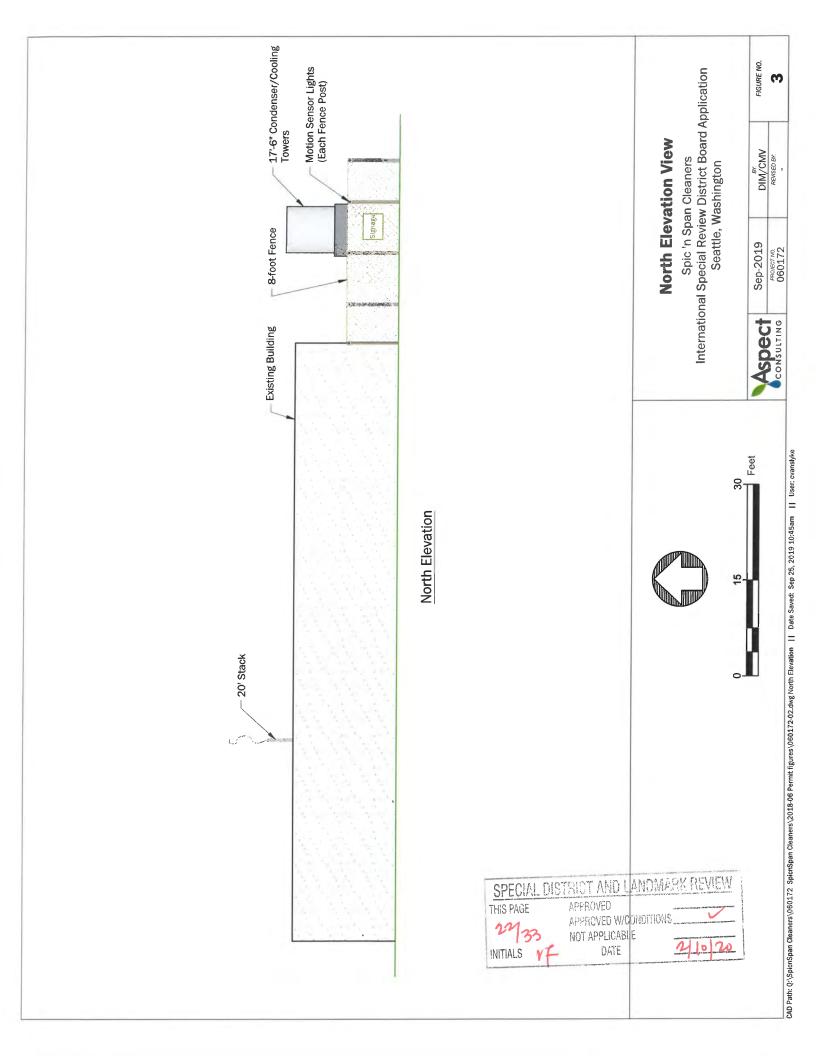
ATTACHMENT F

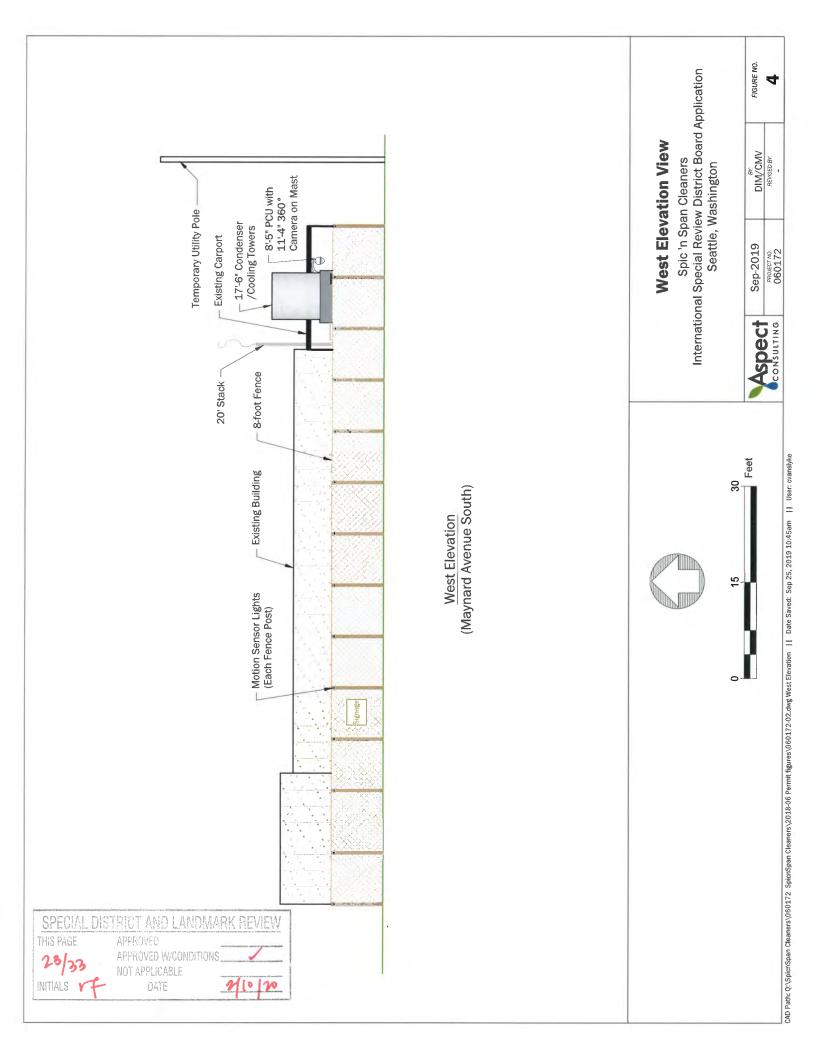
Scale Drawings











ATTACHMENT G

Photographs of Existing Features





View of proposed transformer location from the sidewalk along S Dearborn St. Location of transformer containment pad is marked in white paint. Fence with mural will end where white X's are marked.

ATTACHMENT H

Photographs of Similar Projects





Example of similar transformer with secondary containment, provided by Seattle City Light.



Example of transformer with secondary containment from a similar thermal remediation project.



ATTACHMENT I

Transformer Pad and Bollard Construction Details



Transformer Pad and Bollard Construction Details

Transformer Pad

The transformer pad and secondary containment will be constructed per the Seattle City Light Guidance 0724.50 (Attachment D). The containment pad will extend 1.5 feet below grade at each corner for structural support, and six different conduits will extent from the center of the transformer below grade. See attached scale view.

Bollards

Per the Seattle City Light Guidance 0724.50 (Attachment D), bollards will be installed around the transformer pad along S Dearborn St and the alley to the east of the Spic N Span building to protect it from vehicle damage. The bollards must be highly visible, non-conductive 8-inch diameter by 8-foot long rigid posts, and must be installed to a depth of 4 feet below grade and filled with concrete and rebar per the manufacturer's instructions. The selected bollard is produced by Ceme-Tube (see attached specifications), constructed of HDPE, and fulfills all the Seattle City Light requirements. The Ceme-Tube bollards come in a highly visible traffic yellow color that is also reflective at night.



Example photo of Ceme-Tube bollards.



Seattle City Light CONSTRUCTION STANDARD

Customer Requirements for Padmount Transformer Services,

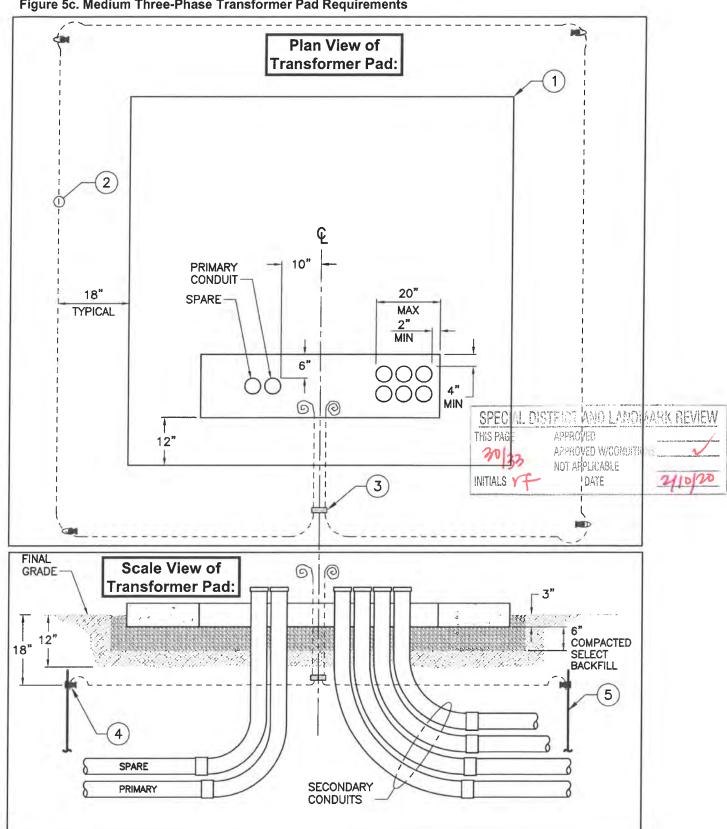
Looped Radial System

Standard Number: **0724.50**

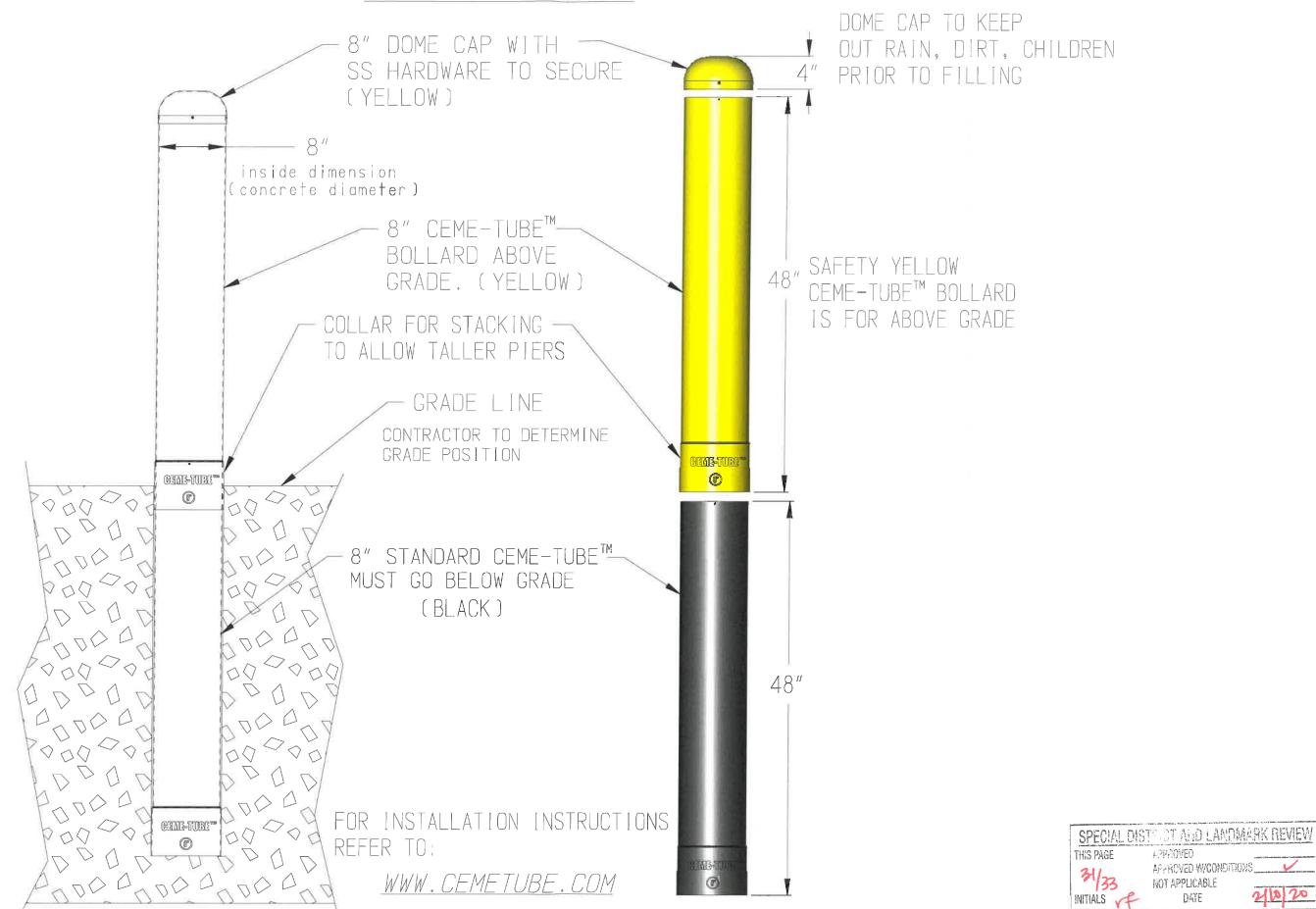
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Figure 5c. Medium Three-Phase Transformer Pad Requirements



8" CEMETUBE TM **BOLLARD ASSEMBLY**



2/10/20

ATTACHMENT J

Final Mural Design

The final mural design created by Urban Artworks for the construction fence at 652 S Dearborn St is shown in photographs 1 and 2. The mural was painted on a black woven polypropylene privacy screen, and the dimensions are 8 feet in height by 270 feet in length (divided into three 50-foot sections and two 10-foot sections for the fence gate). In the event of any graffiti, the mural will be spray painted white to cover it.



Photograph 1. Mock-up of final fence mural design by Urban Artworks.



Photograph 2. Finished fence mural.





Wastewater Treatment Division

Industrial Waste Program
Department of Natural Resources and Parks
201 South Jackson Street, Suite 513
Seattle, WA 98104-3855

206-477-5300 Fax 206-263-3001 TTY Relay: 711

January 24, 2020

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Delia Massey Aspect Consulting 710 2nd Ave Suite 550 Seattle, WA 98104

Issuance of Wastewater Discharge Authorization No. 1110-01 to Spic'n Span Cleaners, Inc.

Dear Ms. Delia Massey:

The King County Industrial Waste Program (KCIW) has reviewed your application to discharge industrial wastewater to the sewer system from the Spic'n Span Cleaners, Inc. facility located at 652 Dearborn St, Seattle, Washington, and has issued the enclosed Minor Discharge Authorization.

This authorization permits you to discharge limited amounts of industrial wastewater into King County's sewer system in accordance with the effluent limitations and other requirements and conditions set forth in the document and the regulations outlined in King County Code 28.84.060 (enclosed). As long as you maintain compliance with regulations and do not change the nature and volume of your discharge, KCIW will not require you to apply for an industrial wastewater discharge permit, a type of approval that would result in additional requirements and increased fees.

If you propose to increase the volume of your discharge or change the type or quantities of substances discharged, you must contact KCIW at least 60 days before making these changes.

King County Code 28.84 authorizes a fee for each Minor Discharge Authorization issued by the King County Department of Natural Resources and Parks. The current fee for issuance of a new Minor Discharge Authorization is \$2000. King County will send you an invoice for this amount. King County will send you an invoice for this amount.

Delia Massey January 24, 2020 Page 2

If you have any questions about this discharge authorization or your wastewater discharge, please call me at 206-477-5465 or email me at dave.haberman@kingcounty.gov. You may also wish to visit our program's Internet pages at: www.kingcounty.gov/industrialwaste.

Thank you for helping support our mission to protect public health and enhance the environment.

Sincerely,

Dave Haberman

Compliance Investigator

Enclosures

cc: Julie Howell, Seattle Public Utilities



MINOR DISCHARGE AUTHORIZATION

King County Industrial Waste Program 201 S. Jackson Street, Suite 513 Seattle, WA 98104-3855

NUMBER 1110-01

for

Spic'n Span Cleaners, Inc.

Facility address:

652 Dearborn St, Seattle, Washington

Mailing address:

710 2nd Ave Suite 550, Seattle, WA 98104

Phone:

206-812-4749

Emergency (24-hour) phone:

860-368-9745

Industry type:

Groundwater Remediation - Organics

SIC code:

7216 **EPA Id. No.:** NA

Discharge to:

West Point

*Note: This authorization is valid only for the specific discharges shown below:

Discharge process:

Wastewater generated by contaminated groundwater remediation

operation

Effective date:

February 1, 2020

Expiration date:

February 1, 2022

DESCRIPTION OF SAMPLE SITES AND DISCHARGE VOLUMES

Sample	Description	Maximum Volume (gallons per day)		
Site No.		Industrial	Total	
IW1459A	Outlet off treatment system	5,000	5,000	

Permission is hereby granted to discharge industrial wastewater from the above-identified facility into the King County sewer system in accordance with the effluent limitations and monitoring requirements set forth in this authorization.

If the industrial user wishes to continue to discharge after the expiration date, an application must be filed for re-issuance of this discharge authorization at least 90 days prior to the expiration date. For information concerning this King County Discharge Authorization, please call Industrial Waste Compliance Investigator Dave Haberman at 206-477-5465.

24-HOUR EMERGENCY NOTIFICATION
West Point Treatment Plant: 206-263-3801
Washington State Department of Ecology: 425-649-7000

Effective Date: February 1, 2020 Expiration Date: February 1, 2022

Page: 2

SPECIAL CONDITIONS

A. Screening Levels for Selected Organic Compounds

Discharges that exceed the following screening levels have the potential to cause health hazards in the sewage collection system or indicate that treatment has not been sufficient to remove hazardous waste characteristics.

Compound	CAS Number	Wastewater Screening Level (mg/L)		
Tetrachloroethylene (PCE)	127-18-4	0.24		
Trichloroethylene (TCE)	79-01-6	0.5		
Cis-1,2-Dichloroethylene	153-59-2	1.0		
Trans-1,2-Dichloroethylene	156-60-5	1.0		
Vinyl Chloride	75-01-4	0.012		

B. Sampling for GAC Breakthrough

Sampling after the lead granular activated carbon (GAC) treatment vessel shall occur at least monthly and shall include the following parameters: Tetrachloroethene, Trichloroethene, 1,2-Dichloroethenes (both *cis*- and *trans*-), vinyl chloride, and quarterly for non-polar fats, oils, and grease (FOG) per EPA Method 1664.

If concentrations of organic compounds exceed 50 percent of screening levels the permittee shall notify KCIW within 24 hours of receiving analytical data. KCIW will review information submitted and may require installation of additional granulated activated carbon filtration system (GAC) or other operational changes as deemed necessary.

C. Reporting Requirements for Organic Compounds

- 1. The permittee shall indicate on the self-monitoring report whether the organic chemical monitoring results exceed any of the screening levels listed above.
- 2. Whenever the permittee's self-monitoring results exceed the screening level, the permittee shall submit a plan indicating the steps that will be taken to ensure that organic compound discharges do not exceed screening levels. The report:
 - a. Shall be submitted within 30 days of the self-monitoring report that shows organic compound discharges exceed screening levels
 - b. Shall indicate the steps that will be taken to reduce organic chemical concentrations so that they remain consistently below screening levels within 60 days

King County Minor Discharge Authorization Number 1110-01

Effective Date: February 1, 2020 Expiration Date: February 1, 2022

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c. May be used by the permittee or King County to evaluate the adequacy of your pretreatment system and other best management practices in order to identify whether additional waste characterization needs to be performed or additional operational and structural upgrades are needed that will enable you to consistently meet King County organic compound screening levels.

Page: 4

SELF-MONITORING REQUIREMENTS

A. The following self-monitoring requirements shall be met for this discharge authorization:

Sample Site No.	Parameter	Sample Type	Frequency		
	Daily Discharge Rate	Meter	Continuous		
	Flow Rate	Meter	Continuous		
	1,1,2,2-Tetrachloroethane	Grab	Monthly		
	1,1,2-Trichloroethylene	Grab	Monthly		
	Cis-1,2-Dichloroethylene	Grab	Monthly		
	Trans-1,2-Dichloroethylene	Grab	Monthly		
	Vinyl Chloride	Grab	Monthly		
IW1459A	Nonpolar FOG	3 grabs ^C	Quarterly		
	Settleable solids	Grab ^D	Only if operating criteria		
	Settleable sollds	(by Imhoff cone)	are exceeded		
	IIda	Motor roading	Only if operating criteria		
	Hydrogen sulfide	Meter reading	are exceeded		
	Explosivity	Meter reading	Only if operating criteria are exceeded		

- B. You shall submit an end-of project self-monitoring report (form enclosed) within <u>15</u> days from completion of all construction dewatering activities to the sewer or by <u>February 15</u>, <u>2022</u>, whichever comes first. The report must contain results of required self-monitoring and total volume discharged to the sewer.
- C. The three nonpolar fats, oils, and grease (FOG) grab samples shall be of equal volume, collected at least five minutes apart, and analyzed separately. When using U.S. Environmental Protection Agency approved protocols specified in 40 CFR Part 136, the individual grab samples may be composited (at the laboratory) prior to analysis. The result of the composite sample or the average of the concentrations of the three grab samples may be reported as Total FOG unless the value is 100 mg/L or greater, in which case the concentration of nonpolar FOG must be reported.
- D. Settleable solids field test by Imhoff cone must be performed as follows:
 - 1. Fill Imhoff cone to one-liter mark with well-mixed sample
 - 2. Allow 45 minutes to settle
 - 3. Gently stir sides of cone with a rod or by spinning; settle 15 minutes longer
 - 4. Record volume of settleable matter in the cone as mL/L
- E. If a violation of any discharge limits or operating criteria is detected in monitoring, you shall notify KCIW immediately upon receipt of analytical data.
- F. A self-monitoring report shall be filed with KCIW no later than the 15th day of the period following the sample collection (i.e., the 15th day of the following month for monthly,

weekly, daily samples; the 15th day of the following quarter for quarterly samples). If no discharge takes place during any monitoring period, it shall be noted on the report.

- G. All self-monitoring data submitted to KCIW, which required a laboratory analysis, must have been performed by a laboratory accredited by the Washington State Department of Ecology for each parameter tested, using procedures approved by 40 CFR 136. This does not apply to field measurements performed by the industrial user such as pH, temperature, flow, atmospheric hydrogen sulfide, total dissolved sulfides, total settleable solids by Imhoff cone, or process control information.
- H. All sampling data collected by the permittee and analyzed using procedures approved by 40 CFR 136 or approved alternatives shall be submitted to KCIW whether required as part of this authorization or done voluntarily by the permittee.
- I. Self-monitoring reports shall be signed by an authorized representative of the industrial user. The authorized representative of the industrial user is defined as:
 - 1. The president, secretary, treasurer, or a vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy or decision-making functions for the corporation
 - 2. The manager of one or more manufacturing, production, or operating facilities, but only if the manager:
 - a. Is authorized to make management decisions that govern the operation of the regulated facility including having the explicit or implicit duty of making major capital investment recommendations, and initiate and direct other comprehensive measures to assure long-term environmental compliance with environmental laws and regulations
 - b. Can ensure that the necessary systems are established or actions taken to gather complete and accurate information for control mechanism requirements and knowledgeable of King County reporting requirements
 - c. Has been assigned or delegated the authority to sign documents, in accordance with corporate procedures
 - 3. A general partner or proprietor if the industrial user is a partnership or proprietorship, respectively
 - 4. A director or highest official appointed or designated to oversee the operation and performance of the industry if the industrial user is a government agency
 - 5. The individuals described in one through four above may designate an authorized representative if:
 - a. The authorization is submitted to King County in writing.

King County Minor Discharge Authorization Number 1110-01

Effective Date: February 1, 2020 Expiration Date: February 1, 2022

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b. The authorization specifies the individual or position responsible for the overall operation of the facility from which the discharge originates or having overall responsibility for environmental matters for the company or agency.

Effective Date: February 1, 2020 Expiration Date: February 1, 2022

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GENERAL DISCHARGE LIMITATIONS

Operating criteria

There shall be no odor of solvent, gasoline, or hydrogen sulfide (rotten egg odor), oil sheen, unusual color, or visible turbidity. The discharge must remain translucent. If any of the discharge limits are exceeded, you must stop discharging and notify KCIW at 206-477-5300.

Corrosive substances

Limits

Maximum: pH 12.0 (s.u.) Instantaneous minimum: pH 5.0 (s.u.)

instantaneous infinifium. pri 5.0 (s.u.

Daily minimum: pH 5.5 (s.u.)

The instantaneous minimum pH limit is violated whenever any single grab sample or any instantaneous recording is less than pH 5.0. The daily minimum pH limit is violated whenever any continuous recording of 15 minutes or longer remains below pH 5.5 or when each pH value of four consecutive grab samples collected at 15-minute intervals or longer within a 24-hour period remains below pH 5.5.

Discharges of more than 50 gallons per day of caustic solutions equivalent to more than 5 percent NaOH by weight or greater than pH 12.0 are prohibited unless authorized by KCIW and subject to special conditions to protect worker safety, the collection system, and treatment works.

Fats, oils, and grease

Discharge of FOG shall not result in significant accumulations that either alone or in combination with other wastes are capable of obstructing flow or interfere with the operation or performance of sewer works or treatment facilities.

Dischargers of polar FOG (oil and grease from animal and/or vegetable origin) shall minimize free-floating polar FOG. Dischargers may not add emulsifying agents exclusively for emulsifying free-floating FOG.

Nonpolar FOG limit: 100 mg/L

The limit for nonpolar FOG is violated when the arithmetic mean of the concentration of three grab samples, taken no more frequently than at five minute intervals, or when the results of a composite sample exceed the limitation.

Effective Date: February 1, 2020 Expiration Date: February 1, 2022

Page: 8

Flammable or explosive materials

No person shall discharge any pollutant, as defined in 40 CFR 403.5, that creates a fire or explosion hazard in any sewer or treatment works, including, but not limited to, waste streams with a closed cup flashpoint of less than 140° Fahrenheit or 60° Centigrade using the test methods specified in 40 CFR 261.21.

At no time shall two successive readings on an explosion hazard meter, at the point of discharge into the system (or at any point in the system), be more than 5 percent nor any single reading be more than 10 percent of the lower explosive limit (LEL) of the meter.

Pollutants subject to this prohibition include, but are not limited to, gasoline, kerosene, naphtha, benzene, toluene, xylene, ethers, alcohols, ketones, aldehydes, peroxides, chlorates, perchlorates, bromates, carbides, hydrides, and sulfides, and any other substances that King County, the fire department, Washington State, or the U.S. Environmental Protection Agency has notified the user are a fire hazard or a hazard to the system.

Petroleum	Maximum Concentration		
Compounds	ppm (mg/L)		
Benzene	0.07		
Ethylbenzene	1.7		
Toluene	1.4		
Total xylenes	2.2		

Heavy metals/cyanide

The industrial user shall not discharge wastes, which exceed the following limitations:

Heavy Metals & Cyanide	Daily Maximum ppm (mg/L) ¹			
Arsenic	4.0			
Cadmium	0.6			
Chromium	5.0			
Copper	8.0			
Lead	4.0			
Mercury	0.2			
Nickel	5.0			
Silver	3.0			
Zinc	10.0			
Cyanide	3.0			

¹ The daily maximum is violated whenever any sample exceeds the limitation.

High temperature

The industrial user shall not discharge material with a temperature in excess of 65° C (150° F).

King County Minor Discharge Authorization Number 1110-01

Effective Date: February 1, 2020 Expiration Date: February 1, 2022

Page: 9

Hydrogen sulfide

Atmospheric hydrogen sulfide: 10.0 ppm (As measured at a monitoring maintenance hole designated by KCIW)

Soluble sulfide limits may be established on a case-by-case basis depending upon volume of discharge and conditions in the receiving sewer, including oxygen content and existing sulfide concentrations.

Organic compounds

No person shall discharge any organic pollutants that result in the presence of toxic gases, vapors, or fumes within a public or private sewer or treatment works in a quantity that may cause worker health and safety problems.

Organic pollutants subject to this restriction include, but are not limited to: Any organic pollutants compound listed in 40 CFR Section 433.11 (e) (total toxic organics [TTO] definition), acetone, 2-butanone (MEK), 4-methyl-2-pentanone (MIBK), and xylenes.

Settleable solids

Settleable solids concentrations:

7.0 ml/L

Effective Date: February 1, 2020 Expiration Date: February 1, 2022

Page: 10

GENERAL CONDITIONS

- A. All requirements of King County Code pertaining to the discharge of wastes into the municipal sewer system are hereby made a condition of this discharge authorization.
- B. The industrial discharger shall implement measures to prevent accidental spills or discharges of prohibited substances to the municipal sewer system. Such measures include, but are not limited to, secondary containment of chemicals and wastes, elimination of connections to the municipal sewer system, and spill response equipment.
- C. Any facility changes, which will result in a change in the character or volume of the pollutants discharged to the municipal sewer system, must be reported to your KCIW representative. Any facility changes that will cause the violation of the effluent limitations specified herein will not be allowed.
- D. In the event the permittee is unable to comply with any of the conditions of this discharge authorization because of breakdown of equipment or facilities, an accident caused by human error, negligence, or any other cause, such as an act of nature the company shall:
 - 1. Take immediate action to stop, contain, and clean up the unauthorized discharges and correct the problem.
 - 2. Immediately notify KCIW and, if after 5 p.m. weekdays and on weekends, call the emergency King County treatment plant phone number on Page 1 so steps can be taken to prevent damage to the sewer system.
 - 3. Submit a written report within 14 days of the event (14-Day Report) describing the breakdown, the actual quantity and quality of resulting waste discharged, corrective action taken, and the steps taken to prevent recurrence.
- E. Compliance with these requirements does not relieve the permittee from responsibility to maintain continuous compliance with the conditions of this discharge authorization or the resulting liability for failure to comply.
- F. The permittee shall, at all reasonable times, allow authorized representatives of KCIW to enter that portion of the premises where an effluent source or disposal system is located or in which any records are required to be kept under the terms and conditions of this authorization.
- G. Nothing in this discharge authorization shall be construed as excusing the permittee from compliance with any applicable federal, state, or local statutes, ordinances, or regulations including discharge into waters of the state. Any such discharge is subject to regulation and enforcement action by the Washington State Department of Ecology.
- H. This discharge authorization does not authorize discharge after its expiration date. If the permittee wishes to continue to discharge after the expiration date, an application must be filed for reissuance of this discharge authorization at least 90 days prior to the expiration date. If the permittee submits its reapplication in the time specified herein, the permittee shall be deemed to have an effective wastewater discharge authorization until KCIW issues or denies the new wastewater discharge authorization. If the permittee fails to file its reapplication in the period specified herein, the permittee will be deemed to be discharging without authorization.

Compliance Investigator:

Dave Haberman

Date: January 24, 2020



Industrial Waste Program Self-Monitoring Report

Send to: King County Industrial Waste Program

201 S. Jackson Street, Suite 513 Seattle, WA 98104-3855

Phone 206-477-5300 / FAX 206-263-3001 Email: info.KCIW@kingcounty.gov

Project Name: Spic'n Span Cleaners, Inc. Authorization No.: 1110-01

Sample Date	рН (s.u.)	ıγlene	ethene	sthylene	: sthylene	oride	Nonpolar fats, oils, & grease (NP FOG)	<u>Daily Flow</u> (GPD)	Name or initials of person collecting and recording samples and volume each day.
	Min.	Max.	Tetra- chloroethylene (PCE)	Trichloroethene (TCE)	Cis-1,2- Dichloroethylene	Trans-1,2- Dichloroethylene	Vinyl-Chloride	(only record avg. of 3 grabs)	Industrial	If permitted for relief only, explain why you did not discharge to surface water for each day of discharge.
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										Certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquity of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. I further certify that all data requiring a laboratory analysis were analyzed by a Washington State Department of Ecology accredited laboratory for each parameter tested.
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The authorization holder is responsible for monitoring the discharge in accordance with the monitoring requirements specified in King County Discharge Authorization No. 1110-01. This report form must be completed, signed, and submitted to KCIW within 15 days from completion of all remediation dewatering activities to the sewer or by February 15, 2022, whichever comes first.

Your King County Industrial Waste Program Contact: Dave Haberman, 206-477-5462





Wastewater Treatment Division

Industrial Waste Program

Department of Natural Resources and Parks
201 South Jackson Street, Suite 513
Seattle, WA 98104-3855

206-477-5300 Fax 206-263-3001 TTY Relay: 711

December 9, 2021

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Delia Massey Aspect Consulting 710 2nd Ave Suite 550 Seattle, WA 98104

Extension of Wastewater Discharge Authorization No. 1110-01 to Spic'n Span Cleaners, Inc.

Dear Ms. Delia Massey:

The King County Industrial Waste Program (KCIW) has reviewed your application and request to extend the due date to discharge industrial wastewater to the sewer system from the Spic'n Span Cleaners, Inc. facility located at 652 Dearborn St, Seattle, Washington, and has issued the enclosed Minor Discharge Authorization.

This authorization permits you to discharge limited amounts of industrial wastewater into King County's sewer system in accordance with the effluent limitations and other requirements and conditions set forth in the document and the regulations outlined in King County Code 28.84.060 (enclosed). As long as you maintain compliance with regulations and do not change the nature and volume of your discharge, KCIW will not require you to apply for an industrial wastewater discharge permit, a type of approval that would result in additional requirements and increased fees.

If you propose to increase the volume of your discharge or change the type or quantities of substances discharged, you must contact KCIW at least 60 days before making these changes.

King County Code 28.84 authorizes a fee for each Minor Discharge Authorization issued by the King County Department of Natural Resources and Parks. The current fee for issuance of a new Minor Discharge Authorization is \$2000. King County will send you an invoice for this amount. King County will send you an invoice for this amount.

Delia Massey December 9, 2021 Page 2

If you have any questions about this discharge authorization or your wastewater discharge, please call me at 206-477-5465 or email me at dave.haberman@kingcounty.gov. You may also wish to visit our program's Internet pages at: www.kingcounty.gov/industrialwaste.

Thank you for helping support our mission to protect public health and enhance the environment.

Sincerely,

Dave Haberman Compliance Investigator

Enclosures

cc: Julie Howell, Seattle Public Utilities



MINOR DISCHARGE AUTHORIZATION

King County Industrial Waste Program 201 S. Jackson Street, Suite 513 Seattle, WA 98104-3855

NUMBER 1110-01

for

Spic'n Span Cleaners, Inc.

Facility address: 652 Dearborn St, Seattle, Washington

Mailing address: 710 2nd Ave Suite 550, Seattle, WA 98104

Phone: 206-812-4749

Emergency (24-hour) phone: 860-368-9745

Industry type: Groundwater Remediation - Organics

SIC code: 7216 **EPA Id. No.:** NA

Discharge to: West Point

*Note: This authorization is valid only for the specific discharges shown below:

Discharge process: Wastewater generated by contaminated groundwater remediation

operation

Effective date: February 1, 2020 February 1, 2023

DESCRIPTION OF SAMPLE SITES AND DISCHARGE VOLUMES

Sample	Description	Maximum Volume (gallons per day)		
Site No.		Industrial	Total	
IW1459A	Outlet off treatment system	5,000	5,000	

Permission is hereby granted to discharge industrial wastewater from the above-identified facility into the King County sewer system in accordance with the effluent limitations and monitoring requirements set forth in this authorization.

If the industrial user wishes to continue to discharge after the expiration date, an application must be filed for re-issuance of this discharge authorization at least 90 days prior to the expiration date. For information concerning this King County Discharge Authorization, please call Industrial Waste Compliance Investigator Dave Haberman at 206-477-5465.

24-HOUR EMERGENCY NOTIFICATIONWest Point Treatment Plant: 206-263-3801
Washington State Department of Ecology: 425-649-7000

SPECIAL CONDITIONS

A. Screening Levels for Selected Organic Compounds

Discharges that exceed the following screening levels have the potential to cause health hazards in the sewage collection system or indicate that treatment has not been sufficient to remove hazardous waste characteristics.

Compound	CAS Number	Wastewater Screening Level (mg/L)
Tetrachloroethylene (PCE)	127-18-4	0.24
Trichloroethylene (TCE)	79-01-6	0.5
Cis-1,2-Dichloroethylene	153-59-2	1.0
Trans-1,2-Dichloroethylene	156-60-5	1.0
Vinyl Chloride	75-01-4	0.012

B. Reporting Requirements for Organic Compounds

- 1. The permittee shall indicate on the self-monitoring report whether the organic chemical monitoring results exceed any of the screening levels listed above.
- 2. Whenever the permittee's self-monitoring results exceed the screening level, the permittee shall submit a plan indicating the steps that will be taken to ensure that organic compound discharges do not exceed screening levels. The report:
 - a. Shall be submitted within 30 days of the self-monitoring report that shows organic compound discharges exceed screening levels
 - b. Shall indicate the steps that will be taken to reduce organic chemical concentrations so that they remain consistently below screening levels within 60 days
 - c. May be used by the permittee or King County to evaluate the adequacy of your pretreatment system and other best management practices in order to identify whether additional waste characterization needs to be performed or additional operational and structural upgrades are needed that will enable you to consistently meet King County organic compound screening levels.

SELF-MONITORING REQUIREMENTS

A. The following self-monitoring requirements shall be met for this discharge authorization:

Sample Site No.	Parameter	Sample Type	Frequency
	Daily Discharge Rate	Meter	Continuous
	Flow Rate	Meter	Continuous
	1,1,2,2-Tetrachloroethane	Grab	Monthly
	1,1,2-Trichloroethylene	Grab	Monthly
	Cis-1,2-Dichloroethylene	Grab	Monthly
	Trans-1,2-Dichloroethylene	Grab	Monthly
	Vinyl Chloride	Grab	Monthly
IW1459A	Nonpolar FOG	3 grabs ^C	Quarterly
	Settleable solids	Grab ^D	Only if operating criteria
	Settleable solids	(by Imhoff cone)	are exceeded
	Hydrogen sulfide	Meter reading	Only if operating criteria
	Trydrogen sumde	Wieter reading	are exceeded
	Explosivity	Meter reading	Only if operating criteria are exceeded

- B. You shall submit an end-of project self-monitoring report (form enclosed) within <u>15</u> days from completion of all construction dewatering activities to the sewer or by <u>February 15</u>, <u>2023</u>, whichever comes first. The report must contain results of required self-monitoring and total volume discharged to the sewer.
- C. The three nonpolar fats, oils, and grease (FOG) grab samples shall be of equal volume, collected at least five minutes apart, and analyzed separately. When using U.S. Environmental Protection Agency approved protocols specified in 40 CFR Part 136, the individual grab samples may be composited (at the laboratory) prior to analysis. The result of the composite sample or the average of the concentrations of the three grab samples may be reported as Total FOG unless the value is 100 mg/L or greater, in which case the concentration of nonpolar FOG must be reported.
- D. Settleable solids field test by Imhoff cone must be performed as follows:
 - 1. Fill Imhoff cone to one-liter mark with well-mixed sample
 - 2. Allow 45 minutes to settle
 - 3. Gently stir sides of cone with a rod or by spinning; settle 15 minutes longer
 - 4. Record volume of settleable matter in the cone as mL/L
- E. If a violation of any discharge limits or operating criteria is detected in monitoring, you shall notify KCIW immediately upon receipt of analytical data.
- F. A self-monitoring report shall be filed with KCIW no later than the 15th day of the period following the sample collection (i.e., the 15th day of the following month for monthly,

weekly, daily samples; the 15th day of the following quarter for quarterly samples). If no discharge takes place during any monitoring period, it shall be noted on the report.

- G. All self-monitoring data submitted to KCIW, which required a laboratory analysis, must have been performed by a laboratory accredited by the Washington State Department of Ecology for each parameter tested, using procedures approved by 40 CFR 136. This does not apply to field measurements performed by the industrial user such as pH, temperature, flow, atmospheric hydrogen sulfide, total dissolved sulfides, total settleable solids by Imhoff cone, or process control information.
- H. All sampling data collected by the permittee and analyzed using procedures approved by 40 CFR 136 or approved alternatives shall be submitted to KCIW whether required as part of this authorization or done voluntarily by the permittee.
- I. Self-monitoring reports shall be signed by an authorized representative of the industrial user. The authorized representative of the industrial user is defined as:
 - 1. The president, secretary, treasurer, or a vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy or decision-making functions for the corporation
 - 2. The manager of one or more manufacturing, production, or operating facilities, but only if the manager:
 - a. Is authorized to make management decisions that govern the operation of the regulated facility including having the explicit or implicit duty of making major capital investment recommendations, and initiate and direct other comprehensive measures to assure long-term environmental compliance with environmental laws and regulations
 - b. Can ensure that the necessary systems are established or actions taken to gather complete and accurate information for control mechanism requirements and knowledgeable of King County reporting requirements
 - c. Has been assigned or delegated the authority to sign documents, in accordance with corporate procedures
 - 3. A general partner or proprietor if the industrial user is a partnership or proprietorship, respectively
 - 4. A director or highest official appointed or designated to oversee the operation and performance of the industry if the industrial user is a government agency
 - 5. The individuals described in one through four above may designate an authorized representative if:
 - a. The authorization is submitted to King County in writing.

Effective Date: February 1, 2020 Expiration Date: February 1, 2023

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b. The authorization specifies the individual or position responsible for the overall operation of the facility from which the discharge originates or having overall responsibility for environmental matters for the company or agency.

Effective Date: February 1, 2020 Expiration Date: February 1, 2023

Page: 6

GENERAL DISCHARGE LIMITATIONS

Operating criteria

There shall be no odor of solvent, gasoline, or hydrogen sulfide (rotten egg odor), oil sheen, unusual color, or visible turbidity. The discharge must remain translucent. If any of the discharge limits are exceeded, you must stop discharging and notify KCIW at 206-477-5300.

Corrosive substances

Limits

Maximum: pH 12.0 (s.u.) Instantaneous minimum: pH 5.0 (s.u.) Daily minimum: pH 5.5 (s.u.)

The instantaneous minimum pH limit is violated whenever any single grab sample or any instantaneous recording is less than pH 5.0. The daily minimum pH limit is violated whenever any continuous recording of 15 minutes or longer remains below pH 5.5 or when each pH value of four consecutive grab samples collected at 15-minute intervals or longer within a 24-hour period remains below pH 5.5.

Discharges of more than 50 gallons per day of caustic solutions equivalent to more than 5 percent NaOH by weight or greater than pH 12.0 are prohibited unless authorized by KCIW and subject to special conditions to protect worker safety, the collection system, and treatment works.

Fats, oils, and grease

Discharge of FOG shall not result in significant accumulations that either alone or in combination with other wastes are capable of obstructing flow or interfere with the operation or performance of sewer works or treatment facilities.

Dischargers of polar FOG (oil and grease from animal and/or vegetable origin) shall minimize free-floating polar FOG. Dischargers may not add emulsifying agents exclusively for emulsifying free-floating FOG.

Nonpolar FOG limit: 100 mg/L

The limit for nonpolar FOG is violated when the arithmetic mean of the concentration of three grab samples, taken no more frequently than at five minute intervals, or when the results of a composite sample exceed the limitation.

Flammable or explosive materials

No person shall discharge any pollutant, as defined in 40 CFR 403.5, that creates a fire or explosion hazard in any sewer or treatment works, including, but not limited to, waste streams with a closed cup flashpoint of less than 140° Fahrenheit or 60° Centigrade using the test methods specified in 40 CFR 261.21.

At no time shall two successive readings on an explosion hazard meter, at the point of discharge into the system (or at any point in the system), be more than 5 percent nor any single reading be more than 10 percent of the lower explosive limit (LEL) of the meter.

Pollutants subject to this prohibition include, but are not limited to, gasoline, kerosene, naphtha, benzene, toluene, xylene, ethers, alcohols, ketones, aldehydes, peroxides, chlorates, perchlorates, bromates, carbides, hydrides, and sulfides, and any other substances that King County, the fire department, Washington State, or the U.S. Environmental Protection Agency has notified the user are a fire hazard or a hazard to the system.

Petroleum	Maximum Concentration
Compounds	ppm (mg/L)
Benzene	0.07
Ethylbenzene	1.7
Toluene	1.4
Total xylenes	2.2

Heavy metals/cyanide

The industrial user shall not discharge wastes, which exceed the following limitations:

Heavy Metals & Cyanide	Daily Maximum ppm (mg/L) ¹
Arsenic	4.0
Cadmium	0.6
Chromium	5.0
Copper	8.0
Lead	4.0
Mercury	0.2
Nickel	5.0
Silver	3.0
Zinc	10.0
Cyanide	3.0

¹ The daily maximum is violated whenever any sample exceeds the limitation.

High temperature

The industrial user shall not discharge material with a temperature in excess of 65° C (150° F).

Effective Date: February 1, 2020 Expiration Date: February 1, 2023

Page: 8

Hydrogen sulfide

Atmospheric hydrogen sulfide: 10.0 ppm (As measured at a monitoring maintenance hole designated by KCIW)

Soluble sulfide limits may be established on a case-by-case basis depending upon volume of discharge and conditions in the receiving sewer, including oxygen content and existing sulfide concentrations.

Organic compounds

No person shall discharge any organic pollutants that result in the presence of toxic gases, vapors, or fumes within a public or private sewer or treatment works in a quantity that may cause worker health and safety problems.

Organic pollutants subject to this restriction include, but are not limited to: Any organic pollutants compound listed in 40 CFR Section 433.11 (e) (total toxic organics [TTO] definition), acetone, 2-butanone (MEK), 4-methyl-2-pentanone (MIBK), and xylenes.

Settleable solids

Settleable solids concentrations: 7.0 ml/L

GENERAL CONDITIONS

- A. All requirements of King County Code pertaining to the discharge of wastes into the municipal sewer system are hereby made a condition of this discharge authorization.
- B. The industrial discharger shall implement measures to prevent accidental spills or discharges of prohibited substances to the municipal sewer system. Such measures include, but are not limited to, secondary containment of chemicals and wastes, elimination of connections to the municipal sewer system, and spill response equipment.
- C. Any facility changes, which will result in a change in the character or volume of the pollutants discharged to the municipal sewer system, must be reported to your KCIW representative. Any facility changes that will cause the violation of the effluent limitations specified herein will not be allowed.
- D. In the event the permittee is unable to comply with any of the conditions of this discharge authorization because of breakdown of equipment or facilities, an accident caused by human error, negligence, or any other cause, such as an act of nature the company shall:
 - 1. Take immediate action to stop, contain, and clean up the unauthorized discharges and correct the problem.
 - 2. Immediately notify KCIW and, if after 5 p.m. weekdays and on weekends, call the emergency King County treatment plant phone number on Page 1 so steps can be taken to prevent damage to the sewer system.
 - 3. Submit a written report within 14 days of the event (14-Day Report) describing the breakdown, the actual quantity and quality of resulting waste discharged, corrective action taken, and the steps taken to prevent recurrence.
- E. Compliance with these requirements does not relieve the permittee from responsibility to maintain continuous compliance with the conditions of this discharge authorization or the resulting liability for failure to comply.
- F. The permittee shall, at all reasonable times, allow authorized representatives of KCIW to enter that portion of the premises where an effluent source or disposal system is located or in which any records are required to be kept under the terms and conditions of this authorization.
- G. Nothing in this discharge authorization shall be construed as excusing the permittee from compliance with any applicable federal, state, or local statutes, ordinances, or regulations including discharge into waters of the state. Any such discharge is subject to regulation and enforcement action by the Washington State Department of Ecology.
- H. This discharge authorization does not authorize discharge after its expiration date. If the permittee wishes to continue to discharge after the expiration date, an application must be filed for reissuance of this discharge authorization at least 90 days prior to the expiration date. If the permittee submits its reapplication in the time specified herein, the permittee shall be deemed to have an effective wastewater discharge authorization until KCIW issues or denies the new wastewater discharge authorization. If the permittee fails to file its reapplication in the period specified herein, the permittee will be deemed to be discharging without authorization.

Compliance Investigator:_		Date:	December 9, 2021	
_	Dave Haberman			



700 5th Ave., Suite 3200 | P.O. Box 34023 | Seattle WA 98124-4023 TEL (206) 684-3000 TTY/TDD (206) 684-3225 FAX (206) 625-3709 seattle.gov/light

twitter.com/SEACityLight facebook.com/SeattleCityLight

May 3, 2019

Delia Massey 710 2nd Ave, Suite 550 Seattle, WA 98104

Service Address: 652 South Dearborn Street

Service Request #: 1509614

Project Description: Temporary Primary Service with overhead primary line extension

Dear Ms. Massey,

Seattle City Light has reviewed your request for electrical service. This Service Construction Letter provides Seattle City Light's cost estimate and scope of work for your project, general requirements, customer construction requirements, a construction requirements drawing and an acceptance form that must be signed and returned.

This letter is the only copy you will receive. Please disperse copies as necessary to your project team including consultants, contractors, or other parties involved with your electric service installation.

Please review the following attachments:

Attachment A - Seattle City Light Charges and Scope of Work.

This provides the charges and terms of the Seattle City Light work for your project and outlines the electrical service installation work Seattle City Light will perform.

Attachment B - General Customer Requirements.

Not every general requirement may be applicable to your project. If you have any questions, please contact your electric service representative.

Attachment C - Customer Construction Requirements.

Completion of these requirements is the customer's responsibility in order for Seattle City Light to complete the necessary electric service installation work. Also take note of the Construction Requirements Drawing and relevant Seattle City Light Construction Standards and/or Material Standards.



Attachment D - Service Construction Acceptance Form.

To indicate your approval of this Service Construction Letter and all the associated attachments, please sign and return Attachment D per the instructions indicated on that form. Seattle City Light will not proceed with the design or schedule Seattle City Light crews for your project until we receive the signed and dated form and the appropriate payments.

Sincerely,

Signed for Antonio Hernandez Senior Electric Service Representative (206) 386-1635



Attachment A: Seattle City Light Charges and Scope of Work

Service Construction Letter Dated May 3, 2019 Service Address: 652 South Dearborn Street

Service Request #: 1509614

Project Description: Temporary Primary Service with overhead primary line extension

AMOUNT DUE AT THIS TIME: \$20,967

Twenty percent (20%) of the total project charge is due upon receipt of this letter.
 By paying this fee, Seattle City Light's engineer can finalize the design and installation crews can be scheduled to begin work. See the summary below for the breakdown of costs.

SUMMARY OF SEATTLE CITY LIGHT CHARGES

Time and Materials Charge: \$104,836

 A final billing will be rendered to adjust for the actual time and materials after the installation is complete. Any refund amount due will be paid to and sent to the invoiced party.

Total Project Charge: \$104,836

Twenty Percent Fee: \$20,967

TERMS AND CONDITIONS

Seattle City Light's electrical design and all charges described in this letter are in effect for 120 calendar days from the date of this letter. Seattle City Light's electrical design and the charges are subject to review after the 120-day period has expired even if the customer has made a full or partial payment. Any change in the design of the customer's project will subject Seattle City Light's electrical design and cost estimate to further review.



POWER SERVICE SUMMARY

- The electric service shall be 1,200 amperes, 480Y/277 volts, three-phase, fourwire.
- The fault current will be 17,000 amperes at the transformer secondary spades.
- The legal service termination point shall be at the transformer secondary spades.

SEATTLE CITY LIGHT SCOPE OF WORK

- Prepare ROW overhead primary extension design for International Special Review District.
- Review PAD oil containment system
- Install three new poles and extend 2 spans of primary and neutral wires to the project site.
- Install anchors and down guys.
- Fly tap to the existing primary wires.
- Extend one 4-inch conduit up the utility pole.
- Provide and install the transformer.
- Provide and install high-voltage cables from the utility pole to the pad-mounted transformer.
- Make all high-voltage electrical connections at the utility pole and at the pad-mounted transformer.
- Make low-voltage connections to the customer's code-sized service entrance conductors at the pad-mounted transformer.
- Install metering.
- Remove this temporary service, meter, padmounted transformers, primary wires, neutral wires and poles after the construction is done or notice by customer. (Temporary service should not be longer than one year. Any extension, please contact service representative)

Seattle City Light will perform the electrical service installation work unless you request that a licensed, private contractor of your choice does the work with Seattle City Light approving the plans. If a private contractor is approved to do the installation, Seattle City Light must perform and charge for engineering work, certain inspections, meter installations, and final connections. A separate estimate of these costs is available upon request.



ENCLOSURE

• Seattle City Light Site Plan



Attachment B: General Customer Requirements

Service Construction Letter Dated May 3, 2019 Service Address: 652 South Dearborn Street

Service Request #: 1509614

Project Description: Temporary Primary Service with overhead primary line extension

Safety:

Locating underground utilities:

 Before digging, please contact the Utilities Underground Location Center ("One-Call") at 811 or 1-800-424-5555 at least two business days in advance to locate and mark underground utilities, per state law (RCW 19.122).

Excavating near Seattle City Light facilities:

 All excavations adjacent to Seattle City Light poles or other facilities (vaults, handholes, etc.) shall comply with <u>WAC 296-155</u>, <u>Part N, Excavation, Trenching and Shoring</u>. Pole protection/supporting systems used while excavating shall comply with <u>WAC 296-155-655</u>, <u>General Protection Requirements</u>, item (9) and shall not affect the structural integrity of poles while the systems are in place or after the systems have been removed.

High-voltage working clearance:

• State law requires all construction workers, their tools, machinery, temporary structures, equipment and materials to maintain a minimum 10-feet clearance from many types of power lines (WAC 296-24-960). Seattle City Light transmission lines require even greater clearance. If this project requires work in proximity to any energized lines, we may de-energize and ground the lines, or relocate the lines temporarily. This work will be done at the customer's expense. The cost must be paid in advance of any work.

Permanent structure clearances from high-voltage lines:

 See SCL D2-3 for acceptable clearances. Changes to Seattle City Light's system to meet appropriate clearances will be performed at the customer's expense. The cost must be paid in advance of any work.

Service Design:

Provide and install an electrical service that complies with Seattle City Light's Requirements for Electric Service Connection (RESC) manual and the current Seattle City Light rate ordinance.



Project Lead-Time:

Schedules for completing installations may vary. Large projects may require extended lead-time (up to 18 months) to allow us to procure and prepare transformers, equipment, and materials. Any changes to the contract application terms must be made well before your estimated connection date if delays are to be avoided.

Construction Responsibility:

If the customer chooses to have a contractor install the service between the customer's service connection point and Seattle City Light's distribution system, Departmental Policy and Procedure (DPP) 500 P III-422 shall apply. Specifically, in section 6.1.4, the customer shall be responsible for the costs of maintenance, replacement, and/or repair of any contractor-provided and installed equipment and material that requires maintenance or fails within five years after the service installation is energized by Seattle City Light. Seattle City Light may, at its discretion, maintain, replace, and/or repair contractor-provided and -installed equipment and material that requires maintenance or fails within this five-year period and bill the customer for time and material expenses incurred.

Construction Permit:

If you will be trenching in a public right-of-way, you must obtain a permit from the local permitting authority. For permit information, please contact City of Seattle Department of Transportation for projects within Seattle city limits, or your appropriate jurisdiction for projects outside Seattle city limits.

Construction Materials Inspection:

Use Seattle City Light approved conduit manufacturers only. Refer to SCL 7015.05, 7050.05 and 7055.09 for lists of approved conduit manufacturers. Note manufacturer limitations for PVC female adapters given on the material standard.

Vault and Conduit Installation Inspection:

Please contact your electric service representative two business days in advance of pouring pad and vault structures, and before backfilling trenches, to schedule a Seattle City Light inspector to observe construction and perform inspection.

No inspection will be made unless shoring for excavation complies with WAC 296-155 Part N, Excavation, Trenching, and Shoring.

The Seattle City Light inspector must inspect all aspects of enclosures and vaults, including, but not limited to, access, walls/floor/ceiling construction, conduit



penetrations, grounding, and secondary bus bars before the enclosures and vaults will be approved for service.

The Seattle City Light inspector must inspect and approve the conduit trench, trench bedding, conduits, Mandreling of conduits, and trench backfill before covering the trench.

Installation of Facilities for Other Utilities:

The specifications referenced by this letter do not include facilities for other utilities serving this project. However, for Seattle City Light installation of conduits and small handholes for other utilities in the public right-of-way, the customer must:

Obtain written installation specifications from each franchised utility requesting installation of facilities by Seattle City Light.

Forward these specifications to Seattle City Light at least two weeks before Seattle City Light is to begin underground construction in the right-of-way.

Seattle City Light will review the specifications and the customer will be billed an estimated cost of the time & materials for Seattle City Light work required by the specifications.

Preventing Water from Entering the Building:

Prevent water from entering customer's service equipment or building from transformer pad through customer's low-voltage service conduits or bus gutter, and conduit's/gutter's wall/floor/ceiling penetration. Install conduits and equipment at elevations that will prevent water from entering building.

Motor Loads:

Meet the requirements outlined in Chapter 12 of the RESC manual describing Seattle City Light requirements for starting electric motors and other special loads. Electric motors with locked-rotor currents that exceed the maximum allowable motor starting-current limitations described in the RESC manual shall be installed with current-limiting motor starting devices.

Notification of Added Load:

When you add load to your service, you must notify Seattle City Light per <u>SMC 21.49 (S)</u> and <u>WAC 480.100.148 (1)</u>.



Electromagnetic Interference:

The building's service entrance equipment, including customer switchgear and Seattle City Light cables, may produce electromagnetic fields that may affect sensitive equipment such as computer monitors. It is the customer's responsibility to design and construct the building to avoid these effects.

Power Surges, Faults, Transients, and Outages:

Power surges, faults, electrical transients, planned and emergency power outages, other occurrences not within Seattle City Light's control, or mechanical failure may affect your electrical equipment, your electrical system, or the availability of electricity to your building. You may avoid such problems by providing at your expense protective devices or backup generation equipment for power outages. It is your responsibility to take the above steps as provided by city ordinance <u>SMC 21.49.110 (G) and (Q)</u>.

Metering:

Meet Seattle City Light-accepted Electric Utility Service Equipment Requirements Committee (EUSERC) standards.

Install metering equipment according to Seattle City Light's RESC manual, chapter 11. Provide current transformer enclosures as described in EUSERC 322 and 324. The customer shall provide the meter base.

Meter bases shall comply with SCL DU13-4/NMT-30 and EUSERC 336.

Commercial services require block by-pass or safety sockets. Safety sockets are required where the service voltage is 277V to neutral or 480V phase to phase.

If the electrical meters are to be located inside the building and the building or meter room is to be locked, Seattle City Light will provide a key box without a cover to be installed by the contractor near the building's entry door. It is the customer's responsibility to supply a key that provides access into the building. The key will be stored in the key box. The key must be given to the electric service representative before service will be approved for self-contained meter installation.

Prior to approval of service and meter installation, all separately metered spaces and their meter sockets must be identified by final space or unit number, letter designation, and/or street address.

Permanent switchboard metered services shall not have the electric meter located on the switchboard door adjacent to the current transformer compartment. The meter shall be located in a remote single meter base with a test switch provision on the nearest possible wall and connected by a 1 inch minimum conduit. NOTE: Permanent engraved phenolic unit or equipment designation labeling is required at both the meter base and the switchboard.



For switchgear with an Arch Flash Warning label calculated at, or greater than 60 cal/cm², Seattle City Light will require a service disconnect to perform maintenance or improvements in the Seattle City Light metering current transformer compartment.

Temporary Totalized Metering:

At Seattle City Light's discretion, Temporary Totalized Metering may be utilized to capture a customer's total consumption for billing purposes. This temporary metering will generally apply to a project during initial construction, but may be used when a customer is altering or upgrading their service entrance equipment. All required equipment for this metering will be the sole responsibility of Seattle City Light, and all metered consumption will be billed in accordance with the appropriate rate schedule.

Contractor's Pre-Installation Checklist for Multi-Unit Metering:

Once the facility is ready for permanent meter installation, it is the responsibility of the property owner or contractor to contact Seattle City Light, and to ensure that all metering facilities are prepared according to Seattle City Light's specifications. Failure to abide by Seattle City Light specifications may result in additional trip charges and installation delays. Seattle City Light is the final inspecting authority having jurisdiction over the meter to customer connections.

Certificate of Occupancy (C of O) is posted at job sight and a copy provided to ESR/ESE.

Parking - Adequate parking is available close to the metering location. (SCL Meter Crews need to park for the duration of the work due to the amount of equipment that needs to be transported).

Access - The meter rooms and passage ways are clean and clear of all equipment/debris. Lighting - Adequate lighting provided by contractor to safely perform the work.

Meter Base Labels - Meter bases shall have engraved phenolic nameplates installed on the cover of the meter socket identifying the final space or unit number, letter designation, and/or street address. Note: Felt-tip pens and label marker tape are not permanent markings.

Unit Labels - All units receiving meters shall have at least temporary identification at the main entrance of the space. Note: It is imperative to notify the Electrical Service Representative/Engineer (ESR/ESE) if the address changes after meter installation.

Panels Safe to Energize - All unit electrical distribution panels have been approved for service by an electrical code inspector and are safe to energize. Note: These panels must be energized to perform space checks at the time of meter installation.

Electrical Contractor on Site - Electricians are available at time of meter install to operate breakers or switches and install/remove panel covers as needed.



Access for Space Check - All units are safe and accessible to perform space checks at the time of meter installation.

Key Box Installed - Note: The key box without a cover will be provided by the ESR/ESE.

Online References:

The following City of Seattle reference documents may be viewed on the Internet:

Seattle City Light New Construction Web Site: Customer resources for new construction are available at http://www.seattle.gov/light/newconstruction/
Seattle City Light Construction Guidelines and Material Standards Online: Current Seattle City Light guidelines and standards are available at http://www.seattle.gov/light/engstd/

Seattle City Light Requirements for Electric Service Connection Online: The entire RESC manual is available at http://www.seattle.gov/light/electricservice/requirement.asp



Attachment C: Customer Construction Requirements Transformer Pad

Service Construction Letter Dated May 3, 2019 Service Address: 652 South Dearborn Street

Service Request #: 1509614

Project Description: Temporary Primary Service with overhead primary line extension

The following is a summary of the customer construction requirements to support the Seattle City Light service installation. This electrical service will require a Seattle City Light transformer pad to be constructed on the property. The installation shall conform to Seattle City Light Construction Standard 0724.50 "Customer Requirements for Padmount Transformer Services, Looped Radial System".

TRANSFORMER PAD

The transformer pad is designed to accommodate a maximum transformer capacity of 1000 kVA.

Transformer Pad:

• Install one 96 inches x 93 inches concrete pad per SCL 0724.50 and 7203.76.

PRIMARY (HIGH VOLTAGE) CONDUITS

CAUTION: Energized high-voltage underground cables exist near the Seattle City Light pole.

- Install two 4-inch conduits from the transformer pad to the Seattle City Light pole.
- A maximum of 270 degrees of bends are allowed in the primary conduit run, including the bends at the base of the pole.



SECONDARY CONDUIT

 Install two 4-inch conduits from the transformer pad to the service termination facility.

ELECTRICAL SERVICE ENTRANCE

- Install NEC-sized service conduits and cables from switchgear into the transformer pad.
- No more than two cables per phase and neutral are allowed.

(Per IEEE Std C57.12.34-2004)

120/240V	208Y/120V	480Y/277V	Holes = cables
75-500 kVA	75-300 kVA	75-500 kVA	4
750 kVA	500 kVA	750-1500 kVA	6
1000 kVA	750-1000 kVA	2000-2500 kVA	10



Attachment D: Service Construction Acceptance Form

Service Construction Letter Dated May 3, 2019 Service Address: 652 South Dearborn Street

Service Request #: 1509614

Project Description: Temporary Primary Service with overhead primary line extension

By returning this Service Construction Acceptance Form signed and dated, the customer agrees with all the terms and conditions of the Service Construction Letter including its attachments: Seattle City Light Cost and Scope of Work; General Customer Requirements; Customer Construction Requirements; and Construction Requirements Drawing.

NOTE: Should you desire to make changes after this agreement has been executed, submit the Service Request Change Order Form with applicable revised project plans to the Seattle City Light Intake Desk. Additional Seattle City Light charges may be incurred. Please contact your Seattle City Light Electric Service Consultant listed below for additional details.

Print Name:	Title:
Signature:(Owner/Authorized Representative)	Date:
Contact Phone:	
Mail to: Seattle City Light	

Attn: SCL Intake Desk 1300 N. 97th St. Seattle, WA 98103-3320 Antonio Hernandez - Senior Electric Service Representative (206) 386-1635 E: Zhong, K.\bk



DO NOT INSTALL **CONDUIT ON TP-03** UNTIL NEW POLE IS SET BY SCL CREW.

NEW POLE DETAIL (TP-03) NOT TO SCALE

IMPORTANT INFORMATION The installer is responsible for coordinating installation of other underground utilities. Specifications and charges are valid for 120 days from date given. Installer must comply with all conditions on permit for installation in the public right-of-way. Installer must comply with

applicable Washington State Administrative Code regarding trenching and clearance from utilities. Do not enter energized SCL facility without SCL Safety Standby. The customer must supply and install materials as specified by SCL. Approval from SCL Inspector is required. Applicable SCL Construction Guideline and Material Guidelines are available upon request.

STREET USE PERMIT: SEATTLE (206) 684-5253 SERVICE TERMINATION POINT: PAD XFMR SECONDARY SPADES

AVAILABLE INRUCH CURRENT(AIC): 17,000A

CALL BEFORE YOU DIG TO LOCATE EXISTING UNDERGROUND UTILITIES TWO BUSINESS DAYS IN ADVANCE. KING CO. ONE CALL1-800-424-5555

REFERENCES: Standards for Electric Service, 2019 Edition http://www.seattle.gov/light/engineerstd/

REVISION#1: Revised customer sketch per current standard with oil containment system KZ 4/24/2019 AND ITS SEATTLE CITY LIGHT DEPARTMENT. IT IS PRODUCED SOLELY FOR THE USE BY SEATTLE CITY LIGHT AND OTHER CITY DEPARTMENTS. THE USE, REPRODUCTION AND TRANSFER OF THIS DRAWING AND/OR ANY INFORMATION CONTAINED IN THE DRAWING REQUIRES THE WRITTEN PERMISSION OF SEATTLE CITY LIGHT.

STREET USE PERMIT REQUIRED, CITY OF SEATTLE: (206) 684-5253 INTERNATIONAL SPECIAL REVIEW DISTRICT BOARD: REBECCA FRESTEDT (206) 684-0226

Phone 1-800-424-5555, 2 business days in advance of digging so all underground utilities can be located & marked.

· Ensure conduits & service termination facility will not discharge water into building. Install service conduits or equipment at elevations that will prevent water from entering service equipment or building.

Installations that differ from specifications must be corrected & may cause additional project cost and/or delays.

. It is the customer's responsibility to verify that all SCL clearance requirements are met when they install facilities for SCL. customer also needs to verify the locations of all SCL facilities they have installed to make sure they are consistent with this drawing and SCL standards. . It is the customer's responsibility to maintain all service conduits within building foot prints.

Work must occur exactly according to approved plans and specifications. Any revisions, omissions and/or additions to plans and specifications must be reviewed and approved by the INTERNATIONAL SPECIAL REVIEW DISTRICT BOARD prior to implementation.

CONSTRUCTION MATERIALS INSPECTION:

Phone electrical service consultant Antonio Hernandez (206) 386—1635 before purchasing or installing materials for Seattle City Light (SCL) approval of manufacturers. See attached Material standards 7015.05 & 7050.05 for a list of approved conduit manufacturers. CONSTRUCTION MATERIALS:

Use only SCL approved manufacturers. Phone Antonio Hernandez, Electrical Service Consultant — (206) 386—1635, in advance of purchasing/installing construction materials.

1. Power Facilities — use Oldcastle Precast or SCL approved equivalent manufacturer.

2. Conduits — refer to list below or Material Standard, 7015.05. Note manufacturer limitations for PVC female adapters.

3. Conduit Bends - Galvanized Steel Mat'l Std 7050.05

Clean and mandrel the conduits then install a flat, pre-lubricated, polyester or Aramid pull tape of 2,500 lb. minimum tensile strength (Fibertek Inc. or equal; City Light Stock No. 012293 and 012480 in each conduit. In each trench, place a detectable underground marking tape according to SCL Construction Guideline U2-11.40.

CONDUIT & PAD INSTALLATION INSPECTION:

- · Electrical service representative & civil inspector must inspect power facility installations & back-fill material. Inspection will not be made shoring of excavation complies with WAC 296-155 part n. "excavation, trenching, and shoring."
- Contact Antonio Hernandez, electrical service representative, (206) 386-1635 two business days advance to schedule field inspections with civil inspector & electrical reviewer for the following inspections: transformer pad, grounding, oil containment, conduit trench, trench bedding, conduits before covering, mandrels of conduits and trench backfill before covering the trench.

A TRANSFORMER PAD (P-Ot):

Design the 93" x 96", concrete PAD with oil containment system per SCL construction standard (0724.50 & 0735.50) as shown on SITE PLAN. Customer's oil containment design shall be submitted to electrical service representative for review and approval by SCL environmental & engineering department prior to construction. Transformer oil capacity is 485 gallons of FR3 fluid. Once customer's design is approved by SCL, the approved customer's design will be used for SCL's inspection and customer's construction. IMPORTANT NOTE:

The customer's proposed location of the transformer PAD as shown on the site plan could be changed. The exact location of the PAD shall be approved by SCL to comply with SCL clearances per standard 0724.05:

- 10 feet from any property line between private properties.
 10 feet from building doors or windows.
- 10 feet from combustible structures.
- 7 feet from noncombustible conductive (metal) structures.
- . 3 feet from noncombustible, nonconductive structures and combustible nonconductive structure that has a 3-hour fire protection rating. Conduit opening side of PAD must be 10 feet from any structures.
- Must be 10 feet minimum unobstructed working clearance on the conduit-opening side of the pad (east side).
- Must be minimum of 3 feet of clear space on three sides of pad that do not have conduit-opening for SCL crew's working-space & pad's ground grid.
- · Foundations, footings, structures, tanks, piping, etc. are not allowed under the footprint of the PAD and the grounding grid.

ACCESS: Provide adequate city light vehicular(truck) access to the PAD P-01 at all times for installation and service of electrical equipment.

B PRIMARY (HIGH VOLTAGE) SERVICE CONDUITS:

Provide and Install two 4" PVC sch-40 primary service conduits from new PAD P-01 to and 10' up the power Pole TP-03 on east-face, as shown on SITE PLAN. Primary conduits shall have red-dyed, high-strength fluidized thermal backfill (HFTB) encasement. Trench backfill over encasement shall be un-dyed controlled density fill (CDF). (SCL construction standards 0214.00, 0222.02, 0224.34, U2-11.40 and material standard 7015.05, 7050.05 & 7150.00)

SPECIFIC REQUIREMENTS FOR PRIMARY CONDUITS:

- · Conduit shall be installed in RIGHT-OF-WAY (ROW) and private property to be served.
- . CONDUIT DEPTH to be 36-inches in ROW & private property.
- A maximum of 270 degrees of bends is allowed in each conduit run, including bend at the base of the pole.
- · See TABLE1 PRIMARY CONDUITS ROUTE for conduit size.
- Use Seattle City Light approved conduit manufacturers only.

C NEC SERVICE CONDUITS & CONDUCTORS:

- Provide & install NEC sized conduits & conductors from customer's switchgear to PAD P-01 as shown on SITE PLAN.
- Extend 8' per conductor into the transformer PAD P-01 to provide connections at the PAD P-01.
- No more than two cables per phase & neutral are allowed.
- Maximum sized cables allowed are 750MCM CU. Visibly mark each cable indicating phase & service being fed.

D TABLE1 PRIMARY CONDUITS ROUTE

IADLE	LLKIIVIAK	CONDUITS ROUTE	
FR	ТО	CONDUIT QTY & SIZE	APPROX. DISTANCE
P-01 TP-03		2 SETS OF 4"	13 FT

SR#1506914

NOTE THE INSTRUCTIONS GIVEN IN THE ATTACHED LETTER ARE AN INTEGRAL PART OF THIS DRAWING. DO NOT SEPARATE THE DOCUMENTS.

THIS DRAWING SUPERSEDES THE DRAWING APPROVED DATE ON 9/2/2016

ENDORSEMENTS	Seattle City Light	TEMP UG PRI SVC: 1200A, 480Y/277V, 3Ø,4W	SHEET 1 OF 1		
SIGNATURE DATE DRAWN: KZ 4/24/2019	Distribution Engineering	PROJECT NAME SPIC N SPAN CLEANERS SITE TEMP ENVIROMENTAL REMEDIATION	WORK ORDER NOTASK 1515259		
APPROVED: Sp. 4 30 K	APPROVED FOR SEATTLE CITY LIGHT PROJECT ENGINEER SHEET CONTENTS	PROJECT ADDRESS 652 S DEARBORN ST	SEATTLE DRAWING NO. REV. NO.		
	CUSTOMER CIVIL DRWG QUARTERSECTION NUMBER(S) SECTION / TOWNSHIP / RANGE 018SW 5/24/4		DRAWING NO. REV. NO.		

STREET USE PERMIT

Permit No.: 399440

☐ Inspector Copy

□ Permittee Copy

☐ File Copy

Project ID:

IMPACT Project ID: EX

Estimated Project Completion Date: 10/25/2019

LOCATION

Inspector: Damon Siguenza
Inspection District: DOWNTOWN

Address: 652 S DEARBORN ST

Application Date:

1/23/19 8:27 am

High Impact Area: Y

Issue Date:

9/27/19 11:03 am

1) ON NORTH SIDE OF S DEARBORN ST, EAST OF MAYNARD AVE S 2) ON EAST SIDE OF MAYNARD AVE N, NORTH OF S DEARBORN ST

PARTIES (* Primary Applicant)

Role Name		Address	Phone	From	То
*24 Hour Contact	ALVAREZ, ORLANDO	3203 15TH ST,,EVERETT,WA,98201	(425)971-4612		
Permittee	CLEAR CREEK CONTRACTORS	3203 15TH ST,,EVERETT,WA,98201-	(360)659-2459		
Contractor'S Age	ntMCCULLOUGH, MARK	3919 88TH ST NE,,MARYSVILLE,WA,98270	(360)659-2459		

PERMITTED USES

To Be Restored By: PERMITTEE

MAYNARD AVE S BETWEEN S LANE ST AND S DEARBORN ST - NON-ARTERIAL

Use 51H Space A - Installing or maintaining electrical or telecommunication lines Condition Description

Start Date 10/07/2019 - 90'x12' sidewalk closure to drill electrodes in sidewalk. Connection from electrodes to private property via (9) open trenches totaling less than 100' in length (approximately 8'-12' each). Street opening on Maynard Ave S NOT permitted.

Start Date	Duration	End Date	Sq. Ft	Issue Date	Ext.	Side of Street	Location Type	Closure Type	Peak Work OK	Day or Time Rstrctns
10/07/2019	10	01/05/2020	540	09/27/2019	N	EAST	SIDEWALK	CLOSED TO PUBLIC		

Use 51I Space A - Prepatory or exploratory work for upcoming projects, including surveying, installing monitoring wells, and soil sampling Condition Description

Start Date 10/07/2019 - 90'x12' sidewalk closure to drill electrodes in sidewalk. Connection from electrodes to private property via (9) open trenches totaling less than 100' in length (approximately 8'-12' each). Street opening on Maynard Ave S NOT permitted.

Start Date	Duration	End Date	Sq. Ft	Issue Date	Ext.	Side of Street	Location Type	Closure Type	Peak Work OK	Day or Time Rstrctns
10/07/2019	10	01/05/2020	540	09/27/2019	N	EAST	SIDEWALK	CLOSED TO PUBLIC		

Use 51I Space B - Prepatory or exploratory work for upcoming projects, including surveying, installing monitoring wells, and soil sampling Condition Description

Start Date 10/07/2019 - Staging equipment and material. Street opening on Maynard Ave S NOT permitted.

Printed: 11:03:48AM Friday, September 27, 2019 Page 1 of 9

STREET USE PERMIT

Permit No.: 399440

Project ID:

IMPACT Project ID: EX

Estimated Project Completion Date: 10/25/2019

Start Date	Duration	End Date	Sq. Ft	Issue Date	Ext.	Side of Street	Location Type	Closure Type	Peak Work OK	Day or Time Rstrctns
10/07/2019	10	01/05/2020	630	09/27/2019	N	EAST	PARKING LANE	CLOSED TO PUBLIC		

S DEARBORN ST BETWEEN MAYNARD AVE S AND 7TH AVE S - NON-ARTERIAL

Use 51H Space L - Installing or maintaining electrical or telecommunication lines Condition Description

Start Date 10/07/2019 - 50'x12' sidewalk closure to drill electrodes in sidewalk. Connection from electrodes to private property via (9) open trenches totaling less than 100' in length (approximately 8'-12' each). Street opening on Maynard Ave S NOT permitted.

Start Date	Duration	End Date	Sq. Ft	Issue Date	Ext.	Side of Street	Location Type	Closure Type	Peak Work OK	Day or Time Rstrctns
10/07/2019	10	01/05/2020	300	09/27/2019	N	NORTH	SIDEWALK	CLOSED TO PUBLIC		

Use 51l Space L - Prepatory or exploratory work for upcoming projects, including surveying, installing monitoring wells, and soil sampling Condition Description

Start Date 10/07/2019 - 50'x12' sidewalk closure to drill electrodes in sidewalk. Connection from electrodes to private property via (9) open trenches totaling less than 100' in length (approximately 8'-12' each). Street opening on Maynard Ave S NOT permitted.

Start Date	Duration	End Date	Sq. Ft	Issue Date	Ext.	Side of Street	Location Type	Closure Type	Peak Work OK	Day or Time Rstrctns
10/07/2019	10	0 1/05/2020	300	09/27/2019	N	NORTH	SIDEWALK	CLOSED TO PUBLIC		

CONDITIONS OF USE

DESCRIPTION OF WORK:

Additional Notes: Scope:

- 1) Drilling electrodes in sidewalk.
- 2) Connection from electrodes to private property via (9) open trenches totaling less than 100' in length (approximately 8'-12' each). Street opening on Maynard Ave S NOT permitted.

Mobility Impact

- 1) On north side of S Dearborn St, east of Maynard Ave S. Sidewalk closed. Travel lanes and bike lane to remain open.
- 2) On east side of Maynard Ave N, north of S Dearborn St. Sidewalk and parking lane closed. Travel lanes to remain open.

Anticipated Restoration:

PCC sidewalk panel surface.

Customer Description:

Drilling electrodes in the Maynard Avenue and Dearborn sidewalks, rigs will block sidewalk and potentially parking spaces along Maynard but will not close lanes of traffic. Trenching in sidewalk to connect electrodes to the property, with temporary restoration on the sidewalk, final restoration to be completed at project end. Sidewalk will remain closed during work hours.

Electrodes will be 50 ft deep w/ 10" monument

Project is located along the corner of S Dearborn Street and Maynard Ave S (90' North on Maynard & 50' east on Dearborn)

Sidewalk on Maynard Ave measures 12' wide and is approx. 22' from street centerline. Will also be utilizing the 7' parking lane to offload equip,. Approx. 15' from street centerline.

Sidewalk on Dearborn measures 12' wide and is approx. 42'from street centerline. Will not be utilizing additional space on Dearborn Street.

E1.15

MULCHING AND MATTING - Apply mulch to protect exposed soils and promote plant establishment.

Printed: 11:03:48AM Friday, September 27, 2019 Page 2 of 9

STREET USE PERMIT

Permit No.: 399440

Project ID:

IMPACT Project ID: EX

Estimated Project Completion Date: 10/25/2019

E1.40:

PERMANENT SEEDING AND PLANTING - Install temporary surface runoff control measures prior to seeding or planting to protect the surface from erosion until the vegetation is established. Establish permanent vegetation (e.g., grasses, legumes, trees, and shrubs) as rapidly as possible to prevent soil erosion by wind or water.

E1.45:

SODDING - Establish permanent turf for immediate erosion protection or to stabilize drainage pathways where concentrated overland flow will occur.

E1 50 -

TOPSOILING - Preserve and use topsoil to enhance final site stabilization with vegetation and to provide a suitable growth medium for final site stabilization with vegetation.

E3.25:

STORM DRAIN INLET PROTECTION - Install storm drain covers on stormwater structures less than 12 inches deep during construction. Install catch basin filter socks in stormwater structures greater than 12 inches deep. Place the storm drain or catch basin grate on top of the catch basin filter sock to hold it in place.

C1.20:

USE OF CHEMICALS DURING CONSTRUCTION - Use only the recommended amounts of chemical materials and apply them in a proper manner. Neutralize the pH of concrete wash water from concrete mixers, if necessary.

C1.35

SAWCUTTING AND PAVING POLLUTION PREVENTION - Vacuum slurry and cuttings during the activity to prevent migration offsite and do not leave slurry and cuttings on permanent concrete or asphalt paving overnight. Dispose of collected slurry and cuttings, waste material, and demolition debris in a manner that does not violate groundwater or surface water quality standards. Implement preventative measures such as berms, barriers, secondary containment, and vactor trucks if observations indicate that a violation of water quality standards could occur.

C1.45

SOLID WASTE HANDLING AND DISPOSAL - Remove and dispose of accumulated solid waste at authorized disposal areas. Label waste containers and place them in a covered area with closed lids. Salvage and recycle any useful materials.

BMP5

SPILL PREVENTION AND CLEANUP-Keep a spill cleanup kit in a nearby vehicle or next to the work site so that it is easily accessible. Make sure the contents of the spill kit are appropriate for the types and quantities of materials used for this work task. Refill spill kit materials before beginning work.

BMP16:

CONCRETE POURING, CONCRETE/ASPHALT CUTTING, AND ASPHALT APPLICATION - Sweep or shovel loose aggregate chunks and dust for recycling or proper disposal. Place storm drain covers or similarly effective containment devices over all storm drains located downslope or adjacent to the work area. Shovel or vacuum all slurry and remove from the site. Perform cleaning of concrete application and mixing equipment or concrete-delivery vehicles in a designated area where the rinse water is controlled.

BMP20:

LANDSCAPING AND LAWN VEGETATION MANAGEMENT - Use proper fertilizer and herbicide application techniques to minimize nutrient pollution of stormwater. Implement proper landscaping and mulching techniques to prevent plant material and excess mulch from entering the separate storm drainage system. Do not dispose of collected vegetation in separate storm drainage systems, waterways, water bodies or greenbelt areas.

BIKE LANE IMPACTS:

For work that closes or impacts a bicycle lane or trail, you must notify the traveling public using on-site signage 72 hours in advance. Notification must include start date, end date, and, if the closure is not 24 hours per day, daily closure times. This allows the traveling public to plan alternative routes. Notification may be provided through electronic message board or temporary fixed signage. Temporary notification signage shall be visible to the public; placed so as not to impede public mobility, sight distances, curb ramps, sidewalks, or driveways; and shall conform to the current City of Seattle Traffic Control Manual for In-Street Work. The sign must be a minimum size of 24in wide and 36in high, white in color with black lettering not less than 3.5in in height.

DAMAGED OR DESTROYED UTILITY:

SDOT makes no representation regarding the safety or integrity of the subject structure. If the structure is damaged or destroyed, SDOT will have no obligation to provide an alternative location for the permit utility.

HOLIDAY MORATORIUM:

No work will be allowed in the following areas from Thanksgiving Day through January 1st (SDOT Director's Rule 94-8, Section 5.10 "Restricted Areas"):

- 1) Area bounded by Seneca Street, I-5 Freeway, Denny Way, Virginia Street, and 1st Avenue; and,
- 2) Area bounded by Columbia Street, 2nd Avenue, 2nd Avenue South, South King Street, and Elliott Bay.

At least ten working days before starting any construction work, permittee shall contact all property owners, businesses, vendors, hotels, and residents who may be affected by this construction work. These people shall be advised of the work to be done; also, they shall be given the name(s) and phone number(s) of who to contact to answer their questions about this work. Failure to make this notification will result in a "Stop Work" order being placed on all construction work.

HUB COORDINATION NOTIFICATION:

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The location of the proposed work is within a Coordination Hub that has been identified by the City as an area with significant construction activity. Coordinated work is shown on the SDOT Hub Coordination map: http://www.seattle.gov/maps/hubmap. Log in using the ARCGIS button. Username: DOT_ConstructionHub, password: HubConstruction2017 (case-sensitive).

Your locations, dates, and times must be shown accurately on this map. Work locations, dates, or hours not shown on this map are not coordinated and are in violation of permit coordination requirements. Weekend work must be explicitly stated on map for multi-week use.

Any changes to project phases, including street improvement and utility major work, must be reviewed and coordinated with the site coordinator and reviewer 6-8 weeks prior to beginning work.

Permitted work in a construction hub requires regular attendance at geo-based hub coordination meetings. Email SDOTConstructionHub@Seattle.gov for meeting information and invitations.

Additional Notes: Scheduled: 652 s Dearborn St - 399440 - Drilling electrodes in sidewalk, 10/7/2019-10/25/2019, 8am-5pm, 1) On north side of S Dearborn St, east of Maynard Ave S. Sidewalk closed. Travel lanes and bike lane to remain open, 2) On east side of Maynard Ave N, north of S Dearborn St. Sidewalk and parking lane closed. Travel lanes to remain open

INT'L SPECIAL REVIEW DISTRICT:

All work must be in compliance with the use and design terms and conditions of Certificate of Approval from International Special Review District Board and the Director of the Department of Neighborhoods as required by SMC 23.66.030.

METRO BUS RESTRICTIONS:

Contact Metro for bus restrictions 206-477-1140 prior to starting work.

PAID PARKING SHORT & LONG-TERM:

PAID PARKING

Short-term use of paid parking for 30 days or less:

You are required to contact Bobby Lindsey, SDOT Traffic Operations, email bobby lindsey@seattle.gov or telephone (206) 684-5371

Long-term use of paid parking for more than 30 days:

You must set up a billing agreement with Robert Burns, SDOT Traffic Operations, email bob burns@seattle.gov or telephone (206) 684-5370

PAY-TO-PARK STATIONS OR KIOSKS

- You may not fence-off SDOT pay-to-park stations or kiosks without advance approval
- You may not remove or move SDOT pay-to-park stations or kiosks
- If necessary for your project, SDOT crews can remove pay-to-park stations; you will be charged for crew time and materials
- SDOT requires a minimum of 10 business days advance notification for pay station removal

SDOT PARKING SIGNAGE

- In paid parking areas, SDOT must install parking signs
- In unpaid parking areas, you may either install SDOT-approved parking signs or request that SDOT crews install signage; if you install signs, all materials and installation must meet both City of Seattle Standard Plans and Specifications and direction by SDOT inspector

PED MOBILITY COORDINATION:

PEDESTRIAN MOBILITY COORDINATION: One sidewalk at this location must remain open for safe pedestrian passage at all times. Prior to the beginning of any construction, this permit requires: Contractor will coordinate with existing permit holders to coordinate construction impacts on this street segment. Contractor must ensure that one sidewalk or temporary pedestrian pathway remain open at all times to provide for safe pedestrian passage. SDOT reserves the right to require documentation confirming coordination on future permit requests or extensions when deemed necessary. Permittee is required to notify the district Street Use inspector to ensure all required inspections are scheduled.

RIGHTS - ALREADY APV CONTRACTR:

RIGHTS TO OTHER CONTRACTORS ALREADY APPROVED FOR WORK: The scope of work listed in this permit is approved for the scheduled dates only. SDOT recognizes that construction coordination may be required to allow other contractors with existing approved permits priority in conducting work in the right of way where potential construction conflicts may occur. If, in any given area, the work allowed under this permit conflicts with other area work where contractors demonstrate an existing approved permit, the permittee must move to another location. Permittee is required to notify district Street Use inspector regarding conflicts and any work that is rescheduled due to conflicts. Work that is rescheduled may require an extension or revision to the Street Use permit.

SAFECO AND CENTURY LINK EVENTS:

All streets bounded by Madison Street to the north, South Spokane Street to the south, I-5 to the east and Elliott Bay to the west shall be open to their full driving widths from two hours before to two hours after any SAFECO or CENTURY LINK Field events with an anticipated attendance of 15,000 or more people. Permittee's contractor may be required to discontinue or limit work near the stadiums for such events as rallies, parades, large public gatherings, sporting events, or other special events. Attendance information is available from Event Services at 296-3144.

STEEL PLATE REQUIREMENTS:

Steel plates placed over cuts in the street and sidewalk shall have a non-skid surface; subject plates to be of sufficient strength and thickness to provide H-20 loading. Plates shall be anchored in accordance with the SDOT "Street And Sidewalk Pavement Opening And Restoration Rules". Edges of all steel plates shall be shimmed with MC250 asphalt mix to provide for smooth transition. Asphalt shim shall not extend higher than the top of the steel plate. Where more than one steel plate covers a cut, subject plates shall not be overlapped or stacked on top of one another.

TREE TRUNK OR ROOTS:

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Contact the City Arborist Office (684-8733) a minimum of five working-days prior to digging within any landscaped areas in the street rights-of-way. The edge of all trenching must be at least five feet (5') from any street trees. When trenching near trees with trunks greater than twelve inches (12") in diameter, hand dig all trenching for a distance of ten feet (10"), measured five feet (5') radius from the tree trunk. When encountering tree roots, cut off cleanly with sharp saw (do not leave torn or ripped tree roots unattended). Do not cut roots greater than two inches (2") in diameter (contractor will have to hand tunnel underneath the roots). Do not paint ends of roots. Notify Landscape Maintenance at 684-4121 at least forty eight (48) hours in advance when working in landscaped areas or on trees.

WALKWAY FOR PEDS:

Maintain a four-foot (4') wide walkway for pedestrians through or around the work areas. Permittee shall contact all businesses and residents who may be affected by the work to be done under this permit at least one week before starting any construction activity in the street rights-of-way. Permittee must coordinate this work with any other contractors working near its construction zone to avoid conflicts. Access to all businesses shall be maintained during construction. All driveways will be cleared and accessible at the end of every work day.

FEES PAID AT THE COUNTER OR ONLINE

Description	Date	Amount	
ISSUANCE FEE - SIGNIFICANT	09/27/2019	\$324.00	
Totals:		\$324.00	
REET USE INSPECTOR		Damon Siguen:	za (206) 379-222

GENERAL REQUIREMENTS

- 1. Nature of permit. This permit is issued according to Seattle Municipal Code ("SMC"), Chapter 15.04, for the use or occupancy of the public right of way in a manner consistent with the terms and conditions in this permit. This permit is wholly of a temporary nature, vests no permanent rights, and is revocable according to SMC Section 15.04.070.
- 2. Acceptance of terms, conditions, and requirements. The Permittee accepts the terms, conditions, and requirements of this permit and agrees to comply with them to the satisfaction of the Seattle Department of Transportation, Street Use Division ("Street Use"), or such other agency as may be designated by the City. The Permittee further agrees to comply with all applicable City ordinances, including but not limited to SMC Title 15, and all applicable state and federal laws.
- 3. Copy of permit. A copy of the issued permit and current approved plans shall be on site and available at all times.
- 4. Expiration of permit. This permit shall remain valid until revoked according to SMC Section 15.04.070; provided that the permit shall expire automatically if the authorized work does not begin within six months from the date the permit is issued. The Permittee is responsible for keeping the permit up to date including submitting updated plans for approval. The Permittee shall submit requests to update a permit in writing or in person, and all requests shall be made to Street Use in a timely manner; otherwise, the Permittee may lose access to requested schedule for continued work in the right of way.
- 5. Superiority of Street Improvement Permits. When a Street Improvement Permit exists, rights acquired under the Street Improvement Permit supersede those acquired under any other Street Use or Utility Permits. Work not approved under the Street Improvement Permit shall require separate Street Use or Utility Permits and Permittee shall obtain these permits in advance of work.
- 6. Compliance with technical requirements and standards. All work within the public right of way shall be performed and completed according to the current or subsequently-amended requirements in the following technical documents published by the City: Right-of-Way Improvements Manual; Street Tree Manual; Standard Specifications for Road, Bridge and Municipal Construction; Standard Plans for Municipal Construction; Right of Way Opening and Restoration Rule; and Traffic Control Manual for In-Street Work.
- 7. Scope of work. The Permittee shall stage equipment or materials and construct or install the improvements and infrastructure reflected in and in accordance with this permit and the City-approved construction plans. Any revisions, omissions, or additions to the scope of work shall be reviewed and approved by the City before implementation.
- 8. Street Use notification. Construction work may be completed in several phases: site preparation (installing traffic control, saw-cutting, etc.); ground breaking; restoration; and staging of equipment and materials. Before beginning any phase of work in the public right of way, the Permittee shall notify Street Use of each start date. The Permittee shall be responsible for notifying Street Use Job Start at (206-684-5270) or SDOTJobStart@seattle.gov a minimum of 2-business days before starting work and shall provide the following information:
 - · Permit number;
 - Job-site address;
 - Start date: please specify if Job Start date is the same as the excavation or ground breaking date. If the dates are different, please provide both dates;
 - · Brief work description; and

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Job-site contact name and phone number.

Failure to notify Street Use Job Start shall result in a \$300 penalty or other amounts according to SMC Section 15.04.074. For Street Improvement Permits and Utility Major Permits, a preconstruction meeting is required before starting construction, and the assigned inspector shall be notified a minimum of 2-business days before required inspections. Construction or utility activity occurring with, but not approved under, a Street Improvement or Utility Major Permit shall be permitted under separate Street Use permits. The Permittee shall apply for and obtain these Street Use permits in advance of work. Failure to do so may subject the Permittee to penalties and additional permit review charges may apply.

- 9. Underground and overhead utility notification. The Permittee shall notify the following entities, as applicable, 2-business days in advance:
 - Utility Underground Locate Center (811 or 1-800-424-5555) before ground disturbance; and
 - Seattle City Light (206-684-4911) if working within 10 feet of high-voltage lines.
- 10. Olympic Pipe Line Company notification. When work in the right of way occurs within 100 feet of an Olympic Pipe Line Company ("OPLC") pipeline, the Permittee shall coordinate the work with OPLC, which may include submitting detailed construction plans to OPLC. The Permittee shall notify OPLC's field coordinator 10-business days in advance of the work (425-981-2506) and an OPLC representative may be required to be onsite during the work.
- 11. King County Metro notification. The contractor shall notify King County Metro Transit in advance of any construction that may disrupt transit service according to the following schedule.
 - Five working days notice for any work requiring a temporary bus stop.
 - Ten working days notice for relocation of a bus shelter or reroute of bus service.
 - King County Metro Transit's electric storage battery Trolley Busses can be activated for weekend outage requires with 15 working days notification. Subject to vehicle and staff support capacity restrictions.
 - No two consecutive transit stops may be closed

If trolley wires are present, call 206-477-1150 or email trolley.impacts@kingcounty.gov

If trolley wires are not present, call 206-477-1140 or email construction.coord@kingcounty.gov

Public notification. Notification requirements shall comply with following:

- For ROW Management and Major permits on non-arterial streets and Public Space Management Short-term Activity permits, the permittee shall hand deliver and/or mail a project notification to adjacent residents and businesses at least 2 business days prior to beginning right of way work or activity
- For ROW Management and Major permits on arterial streets in an Urban Center or Urban Village, the permittee shall hand deliver and/or mail a project notification to all potentially affected residents and businesses within a 2-block radius and community organizations at least 10 business days prior to beginning right of way work or activity, including alleys. For multi-family housing units, notifications must be mailed or emailed to each individual unit, posted predominantly in the building common areas and/or distributed to each individual unit by the building manager/owner.
 - For projects longer than 6 months in duration, the permittee shall a project notification must be delivered monthly and provide an on-site project notice
 - o If there is any change of right of way use at any point in the project, an updated project notification must be provided at least 10 business days prior to beginning right of way work or activity
- The project notification shall include the following:
 - o The name, address, and description of the project
 - o The duration of the project, with beginning and end dates listed
 - o Permittee 24-hour contact information (name, phone number, and email)
 - o List of right of way closures with dates, duration, and hours of closures
 - For projects longer than 6 months in duration, the right of way closures shall be represented in a visual map
 - o SDCI and SDOT permit numbers
 - o If available, a link to the project website
- For projects longer than 6 months in duration, an on-site project information notice shall be posted and maintained at each closure that is visible to the public that shall include the following:
 - o The name, address, description, and duration of the project
 - o Permittee 24-hour contact information (name, phone number, and email)
 - o List of right of way closures with dates, duration, and hours of closures
 - o SDCI and SDOT permit numbers
 - o A reference to 684-ROAD for residents to report safety or mobility concerns
 - o If available, a link to the project website
- For crosswalk closures longer than two weeks in duration, a crosswalk closure notice must be posted to, and maintained, on each crosswalk closure barricade and include the following:
 - o The name and address of the project
 - o Permittee 24-hour contact information (name, phone number, and email)
 - o The duration and hours of the closure
 - o A reference to 684-ROAD for residents to report safety or mobility concerns

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o If available, a link to the project website

- If the project requires a closure of any portion of an alleyway, the permittee shall notify all impacted residents and businesses at least 10 business days prior to work in the alleyway and coordinate closure dates and times with the following agencies:
 - Seattle Public Utilities: Sally Hulsman (206-684-4682 or <u>sally.hulsman@seattle.gov</u>) and Mike Mannery (206-684-9271 or mike.mannery@seattle.gov)
 - Seattle Fire Department Special Events Division at 206-386-1450 (this division will provide coordination information for the local fire station)
- If the project will close or reduce down to one general purpose lane an arterial street in the Central Business District, the permittee shall notify King County Metro (construction.coord@kingcounty.gov) and the SDOT Transportation Operations Center (construction.coordination@seattle.gov) at least 10 business days prior to beginning work in the public right of way and coordinate closure dates and times with the following agencies:
 - Seattle Fire Department Special Events Division at 206-386-1450 (this division will provide coordination information for the local fire station)
 - o Seattle Police Department Non-Emergency Division at 206-625-5011 or SPDdispatch@seattle.gov
- If the project is working outside of approved hours due to an emergency event that will impact public health and safety, the contractor must notify the Street Use inspector, inspector lead, and the Transportation Operations Center at TOC@seattle.gov as soon as the issue has been identified
- If a tree has been approved for removal, the permittee shall post a "tree removal" public-notice placard at least 10-business days prior to beginning work
- If an SDOT public notice comment period is required prior to permitting, the permittee shall conduct the public notice outreach prior to commencement of the SDOT public notice comment period. The comment period will occur as part of the SDOT review process.
- 12. Alley notification. Where this permit authorizes work in an alley, the Permittee shall notify all potentially impacted property owners and businesses prior to any activity occurring in the alley, including and especially those property owners and businesses with tenants using the alley to access parking or for building ingress/egress or deliveries. The Permittee shall schedule work around waste-management-collection days. If this is not possible, the Permittee shall coordinate with waste management services to either provide intermittent alley access during waste pickup or to temporarily establish waste pickup at an alternate location. If an alley is to remain open during permitted work, a minimum 11-foot clear width is required for vehicular access. If an alley is closed to through traffic, the Permittee shall notify the nearest Seattle Fire Department fire station and the Seattle Police Department at the non-emergency numbers prior to commencing work.
- 13. Coordination of work. In performing work authorized by this permit, the Permittee shall coordinate with other contractors, public agencies and other permittees working in the public right of way to minimize impact to the public. Documented coordination agreements may be required prior to permit issuance and additional notification to the public may be required.
- 14. Hours of work. Work performed in the public right of way shall occur only during hours authorized under all applicable codes, regulations, rules, and permits.
- 15. Off-hours work. Work outside of normal working hours, 8:00 AM 5:00 PM Monday through Friday, is considered "off-hours work" and requires a minimum of 3-business days advanced notice to the Street Use Inspection Supervisor before the off-hours work commences. Off-hours work may also require a separately-approved traffic control plan. A minimum of two hours of inspection time shall be charged for off-hours inspections at the premium rate. A Stop Work order or Citation may be issued for failing to notify Street Use at least 3-business days before the off-hours work.
- 16. Inspection fees. The Permittee shall pay for City inspections of work authorized under this permit according to the current fee schedule established by SMC Section 15.04.074 and all other associated costs.
- 17. Billing. All fees and costs billed according to this permit shall be paid to the City of Seattle within 30-calendar days from the invoice date. Past due invoices may be subject to interest charges and may be sent to collections.
- 19. Deposits, charges, and future billings. The Permittee, also identified as the "Financially Responsible Party" on Street Use permit applications, is responsible and liable for all permit-related charges. If a deposit was made for estimated future Street Use services, any unused portion of the deposit shall be refunded to the Permittee. Any charges in excess of the deposit shall be billed to the Permittee on a monthly basis.
- 20. Corrective work. The Permittee is responsible for any additional costs incurred by the City resulting from temporary or corrective measures required to bring the work area into compliance with standards that apply, including but not limited to: temporary traffic control, requirements for temporary structures, temporary stabilization, and temporary restoration when the Permittee is not on site.
- 21. Indemnification. The Permittee agrees to defend, indemnify, and hold harmless the City of Seattle, its officials, officers, employees, and agents; against any liability, claims, causes of action, judgments, or expenses, including reasonable attorney fees; resulting directly or indirectly from any act or omission of the Permittee, its contractors, subcontractors, anyone directly or indirectly employed by them, and anyone for whose acts or omissions they may be liable; arising out of the Permittee's use or occupancy of the public right of way; and all loss by the failure of the Permittee to fully or adequately perform, in any respect, all authorizations or obligations under this Permit.
- 22. Insurance. The Permittee shall obtain and maintain in full force and effect, at its own expense, public liability insurance in an amount sufficient to protect the City from all potential claims and risks of loss from perils in connection with any activity that may arise from or be related to the Permittee's activity upon or the use or occupation of the public right of way allowed by the permit; and all claims and risks in connection with activities performed by the Permittee by virtue of the permission granted by the permit. The Permittee shall meet all other insurance requirements in SMC 15.04.045.

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EXISTING IMPROVEMENTS

- 1. Costs of damage to City property and improvements. The Permittee shall be responsible for the costs of repairing any damage to City property or improvements, including street trees, resulting from work performed by or on behalf of the Permittee within the public right of way. Damage to street trees is assessed on the value of the tree according to SMC subsection 15.90.018.B.
- 2. Utility protection. The Permittee shall be responsible for checking locations and providing adequate protection for all utilities in the work area.
- 3. Utility relocation. The Permittee shall be responsible for notifying affected utilities and requesting any necessary relocation.
- 4. Survey monuments. Before removing, destroying, disturbing, or covering a survey monument such that the survey point is no longer visible or readily accessible, the Permittee shall obtain a permit from the Department of Natural Resources according to Washington Administrative Code, Chapter 332-120.
- 5. Protecting, removing, and relocating existing improvements. In addition to General Requirements item 12, the Permittee, at their own cost and expense, shall be responsible for coordinating the removal and relocation of existing improvements within the public right of way that their construction or permitted project may interfere with. These existing improvements include, but are not limited to trees, bike racks, newsstands, bike-share stations, signs, benches, artwork, and waste receptacles.
 - For existing improvements, the Permittee shall contact the improvement owner at least 10-business days before starting work to coordinate the temporary removal of the improvement.
 - For newsstands, the Permittee shall coordinate temporary relocation during the construction period by posting notice of upcoming construction projects at SeattleNewsstands.org at least 10-business days before starting work.

The Permittee shall be responsible for reinstalling the improvements or coordinating the reinstallation in their original location or at a reasonable alternative location approved by the existing improvement owner and meeting all applicable City requirements. The Permittee is further responsible for protecting all trees within the construction project area and shall contact Urban Forestry to disclose and describe any construction impacts to trees.

Failure to contact the improvement owners or Urban Forestry is cause for Street Use to revoke this permit.

- 6. Monorail system proximity requirements. The Permittee shall be responsible for coordinating with the Seattle Center when any work, deliveries, or loading/unloading will occur within 14 feet of a Monorail structure or 20 feet of a Monorail foundation or below-ground installation. The Permittee shall contact the Seattle Center at 206-905-2601 at least 10-business days before starting construction. Failure to do so is cause for permit revocation.
- 7. Monorail system proximity guidelines. Below grade: The restricted digging area includes a 45-degree cone extending outward and downward from the ground level of all monorail piers. Nearby excavations shall be monitored to assure footing stability. At- or above-grade: The piers above ground level cannot be moved, nor can any item like lighting or signage be attached to the piers without prior written consent from the Seattle Center Director. Piers shall not be painted. Landscaping shall not occur adjacent to piers or within 10 feet of a Monorail structure without prior written consent of the Seattle Center Director. Any construction activity in the area of the power rails shall follow OSHA guidelines for working around high voltage. Construction equipment shall be located and operated in awareness of and taking account of beam height and the train's 14-foot-operational envelope from each side of the beam. Contractors shall string warning lines from pier to pier under the beams as a guide. Spotters shall be employed when any construction activity occurs within 25 feet of the beams.

ENVIRONMENTAL PROTECTION

1. Best management practices required. The Permittee shall be responsible for protecting the public place, including but not limited to protecting existing street trees and green stormwater infrastructure, and controlling surface runoff, erosion and sediment at the construction site, as required by: the Stormwater Code, (SMC Title 22, Subtitle VIII); the Street and Sidewalk Use Code, (SMC Title 15); the Standard Specifications for Road, Bridge, and Municipal Construction; and Department of Planning and Development Director's Rule 21-2015/Seattle Public Utilities DWW 200, or successor rules or provisions. The site and the surrounding area shall generally be kept clean and free of construction debris or other material, including but not limited to mud, dust, rock, asphalt, and concrete. Waste materials shall be collected and disposed of at an appropriate disposal site. These materials shall be prevented from entering any part of the public sewer and storm drain system, and any surface waters.

TRAFFIC CONTROL REQUIREMENTS

- Compliance with the Traffic Control Manual for In-Street Work. In order to provide safe and effective work areas and to ward, control, protect, and expedite vehicular and pedestrian traffic; signage for all construction within the public right of way shall comply with the City of Seattle Traffic Control Manual for In-Street Work, as amended. When required, the conditions on the traffic control plan shall supersede any conflicting provisions or requirements in the City of Seattle Traffic Control Manual for In-Street Work. A copy of the current City of Seattle Traffic Control Manual for
 - In-Street Work and the approved traffic control plan shall be on site at all times.
- 2. Lanes to remain open during peak hours. Traffic lanes shall not be closed during the following peak hours: 6:00 AM 9:00 AM and 3:00 PM 7:00 PM in the Central Business District; and 7:00 AM 9:00 AM and 4:00 PM 6:00 PM for arterials elsewhere in the City, unless specifically noted on the approved traffic control plan.
- 3. Maintain access. Access to adjoining properties and businesses shall be maintained or accommodated during construction. Pedestrian access around construction sites shall be implemented and maintained per SDOT Director's Rule 10-2015, or successor rule.
- 4. Width of temporary traffic lanes. Temporary traffic lanes created during the permitted work shall be a minimum of 11 feet in width unless otherwise approved on the traffic control plan.
- 5. Working within restricted curb spaces. When the project impacts a restricted curb space, such as meters, pay stations, specific use and load

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zones; the Permittee shall obtain permission from SDOT Traffic Operations and reserve the spaces with the Traffic Operations Permit Counter (206-684-5086) before starting work.

- 6. Temporary No Parking signs and easels. In areas without parking pay stations or parking meters, or when Traffic Operations allows reserved parking spaces to be controlled with Temporary No Parking signs, establishing a Temporary No Parking Zone requires placing type R7-T38 (T-38) or R7-T39 (T-39) easels and completing an online verification form in conformance with the Traffic Control Manual for In-Street Work. In high impact areas, the Central Business District, and in areas where construction projects are densely clustered (such as in City-designated "Construction Hubs"), additional requirements for establishing a Temporary No Parking Zone may apply.
- 7. Nighttime illumination. Four or more Type B warning lights of sufficient brilliance to be seen from 500 feet shall be maintained at all times during the hours of darkness at the points of obstruction or excavation of any right of way.
- 8. Work in alleys. For work occurring in alleys that impedes vehicular access, including but not limited to egress, ingress, or through travel; "Street Closed" signs shall be placed at each end of the alley. Property owners adjacent to the alley shall be contacted, and their access concerns shall be addressed and mitigated if possible. This may require alternative work scheduling in the case of Solid Waste collection days

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RIGHT OF WAY IMPACT PLAN **TABLE XI-1** TAPER CHANNELIZING DEVICE SPACING IN FEET ENGTH (L) SIGN Typical Sidewalk/Parking Lane Closure VEHICLE SIGN MIN SIZE IN INCHES IN FEET BARRICADES Lane Width & DRUMS 10' 12' Taper (S) Tangent

30X30

30X30

48X48

50

80

O Sidewalk on east side of Maynard Ave S closed between S Lane St & S Dearborn St.

10

\$ 42

24" x 36" B/W

CLOSED

AHEAD

R9-11

36" x 24" B/W

SIDEWALK CLOSED R9-9

36" x 24" B/W

SPEED LIMIT 25

 \mathcal{O}

Maynard

21

O REASON: Receive and offload soil and groundwater remediation equipment skids

S LANE ST

VACANT BUILDING:

652 S Dearborn St

Seattle, WA 98134

SDOT PERMIT# 399440

NOT TO SCALE

DATES NEEDED 8/3 through 8/5

TRAFFIC CONTROL PLAN

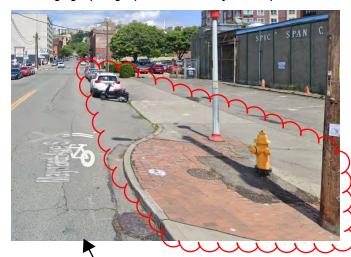
SEATTLE, WA

REQUIRED CHECKLIST:

- 1. Pedestrians will cross street to bypass work area
- 2. No vehicle access issues
- Traffic control shall be removed during non-working hours
- No business access issues or special needs activities affected
- 5. Parking lane closed on east side of Maynard Ave S within work area
- Bike Lane unafected
- **METRO bus route present in vicinity** of work area but not affected
- No visibility restrictions
- No signals affected or other street work in vicinity of work area
- 10. WORK TIMES

CLASS I - Central Business District, University District CLASS II - Arterial Streets CLASS III - All partially or full controlled access arterial streets * Advance warning sign spacing depends on availability of curb space

150 200



CLOSE THREE PARKING STALLS AND ADJACENT SIDEWALK TO ALLOW EQUIPMENT DELIVERY TRUCK STAGING

DISPLAYED 72 HRS IN ADVANCE OF CLOSURE

REQUIRED T-39 NO PARK VERIFICATION REQUIRED TO IMPLEMENT THIS PLAN. GO TO http:\\web1.seattle.gov\sdot\nopark\

RESERVE CURB SPACE WITH TRAFFIC PERMITS

206-684-5086

LEGEND

WORK AREA

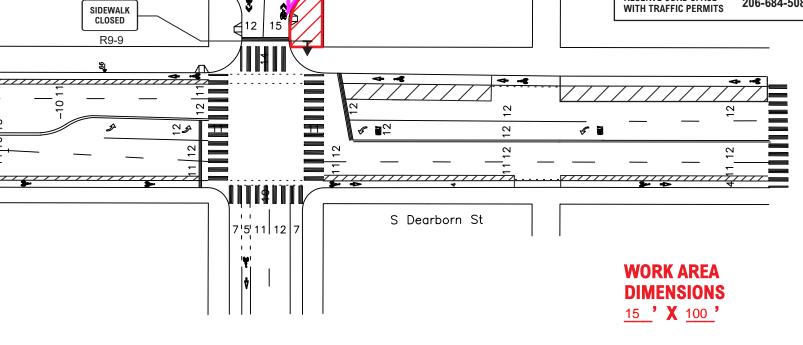
SIGN LOCATION



NO PARK BARRICADE

GENERAL NOTES:

- 1. ALL SIGNS AND SPACING SHALL CONFORM TO THE CITY OF SEATTLE TRAFFIC CONTROL MANUAL FOR IN-STREET WORK.
- 2. NOTIFY LOCAL EMERGENCY SERVICES OF CLOSURE TIMES AND DATES (OPTIONAL).
- 3. ALERT KING COUNTY METRO CONSTRUCTION IN ADVANCE OF **ROAD WORK (OPTIONAL).** 5 BUSINESS DAYS: BUS 206-477-1140.
- 4. SIGN SPACING MAY BE REDUCED IN URBAN AREAS TO FIT ROAD
- 5. PROTECTIVE VEHICLE RECOMMENDED-MAY BE A WORK VEHICLE.
- 6. ALL SIGNS MIN. 30" x 30" UNLESS OTHERWISE SPECIFIED.
- 7. CHANNELIZATION DEVICES ARE 28" REFL. CONES (see TABLE XI-1 for spacing distances).
- 8. ALL SPACING MAY BE ADJUSTED TO ACCOMMODATE AT-GRADE INTERSECTIONS AND/OR DRIVEWAYS.
- 9. STREET SHALL BE COMPLETELY CLEAR AND OPEN TO IT'S FULL WIDTH BETWEEN 6 AM - 9 AM AND 3 PM - 6 PM WEEKDAYS UNLESS EXTENDED HOURS APPROVED.







Clear Creek Contractors						
supervisor Mark Mc	Cullough	WO #				
PHONE NUMBER (office)	860.659.2459	PROJECT LOCATION Seattle, W				
PHONE NUMBER (fax)	SHEET NUMBER 1/ 1	DAT July 30, 2020				
PREPARED BY Mark McCullough	PHONE# 206.423.8120	Traffic Control				
E-MAIL markm@clear	of WA					

Permit Number: 6730128-CN



CITY OF SEATTLE Construction Permit

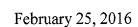
Seattle Department of Construction and Inspections 700 Fifth Ave, Suite 2000 P.O. Box 34019 Seattle, WA 98124-4019 (206) 684-8600

DIST 10

APN#	:	L	Site Address: 65 Building ID: Location: egal Description: AP Records Filed At: 652	N: 524780-2485; I	LOTS					S THE S 12' FG	OR STR	ЕЕТ
OWNER Mark McCullough 3203 15th St EVERETT, WA 98201			CONTRACTOR			I	Application Date: Issue Date: Expiration Date: Fees Paid:		(05/30/2019 05/30/2019 11/30/2020 \$572.40		
										Print Date:	(05/30/2019
	Remark	s:	2015 SEBC Buil	ding Info: Ho	ousin	ng & Dwel	ing Unit t	his Permit:		Zoning/G	Overlay	/:
Occupa Special Land U	Yaluation Incy Cert Inspection Se Condi parated l	Requons:	ired: N Storie N N Mezz	nents:	nes					IDM 85/85 Council D URBAN_' DWNTN_ ID_SPCL	5-170 istrict 2 VILLAC FIRE_D _RVW_	GE Yes, DIST Yes
			Occupan	cy per Building C	ode	· i ····			A	pproved Use		
Floors	Туре	Occu	pancy Group	Occupancy Typ	•e	Asmbly L	pad Fire		Use			Location
A/P #			Related Cases/Perm	its		Project	Contacts	Name			Phone	
Applic	ant Sign	ature	1	L.		J [r	Date	5/3	0 /	19

Permitted work must not progress without prior inspection approval. When ready for inspection, make request with the Seattle Department of Construction and Inspections at (206) 684-8900 or on the internet at: www.seattle.gov/dpd/permits/inspections/. Provide the permit number, site address, and contact phone. Permission is given to do the above work at the site address shown, according to the conditions hereon and according to the specification pertaining thereto, subject to compliance with the Ordinances of the City of Seattle. Correct information is the responsibility of the applicant. Permits with incorrect information may be subject to additional fees.

You Must Have a Paper Copy of Your Approved and Stamped Plan Set Available at Your Job Site for the City Inspector to Review. If You Do Not Have Your Plans Printed and Ready for Review, You May Fail Your Inspection.





Clean healthy air for everyone, everywhere, all the time.

Eric Geissinger Aspect Consulting, LLC 401 2nd Ave S, Ste 201 Seattle, WA 98104

Dear Mr. Geissinger:

Board of Directors

BremertonPatty Lent, Mayor

Everett

Ray Stephanson, Mayor Paul Roberts, Board Chair

King County Dow Constantine, Executive

Kitsap County Edward Wolfe, Commissioner

Pierce County
Pat McCarthy, Executive

Public-at-Large Stella Chao

Seattle Ed Murray, Mayor

Snohomish County
Dave Somers, Councilmember

Tacoma Ryan Mello, Councilmember

Executive Director Craig T. Kenworthy

Phone 206.343.8800 800.552.3565

Fax 206.343.7522

Mail 1904 Third Avenue, Suite 105 Seattle, WA 98101-3317 Facility Registration No. 22449 Notice of Construction No. 11093 Exemption from NOC Requirements

We have reviewed your 1/25/16 request for an exemption from Notice of Construction permit requirements for soil & groundwater remediation at Spic N Span Cleaners dry cleaning facility (Reg. 22449) using an electrical resistance heating and vapor extraction system controlled by two carbon vessels arranged in series.

The Puget Sound Clean Air Agency (Agency) concludes that this project does not require a Notice of Construction permit. This determination is made under the authority of Agency Regulation I Section 6.03(b)(10). This section exempts "Any source not otherwise exempt under Section 6.03(c) of this regulation that has been determined through review of a Notice of Construction application by the Control Officer not to warrant an Order of Approval because it has a de minimis impact on air quality and does not pose a threat to human health or the environment."

If you have any questions about this determination, please contact Gerry Pade at 206-689-4065 or me at 206-689-4061.

Sincerely,

Carole Cenci, P.E. Compliance Manager

We Campe

CJC:ns

cc: Gerry Pade Walter Voegtlin

Jae Lee Spic N Span Cleaners 652 S Dearborn St Seattle, WA 98134

APPENDIX B

Hazardous Building Materials Documentation



May 29, 2019

Ms. Delia Massey Aspect Consulting 710 2nd Ave, Suite 550 Seattle, Washington 98104

RE: TARGETED REGULATED BUILDING MATERIAL INSPECTION

SPIC 'N SPAN CLEANERS 652 SOUTH DEARBORN STREET SEATTLE, WASHINGTON

EMB Consulting Project #1526

Dear Ms. Massey,

This report presents the findings of the targeted regulated building material (RBM) inspection of the Spic 'N Span Cleaners buildings located at 652 South Dearborn Street in Seattle, Washington. The inspection was conducted in anticipation of a selective demolition project to prepare the site for remediation investigations by Aspect Consulting and their subcontractors. The RBMs covered by this inspection were limited to asbestos-containing material (ACM) and lead-based paint (LBP).

This report is organized to provide a summary of applicable regulations, methods, and results. A figure is included which shows the approximate location of asbestos samples collected, and photographs are provided of materials confirmed as ACM. Table 1 attached to the report provides a summary of the asbestos inspection results. The laboratory analytical data are also included with this report.

Regulations

Asbestos

The Washington State Department of Labor and Industries Division of Occupational Safety and Health (DOSH) (WAC 296-62 and -155) and the Puget Sound Clean Air Agency (PSCAA, Regulation 3) require that building owners conduct a good faith survey for ACM prior to demolition or renovation activities. The survey must be conducted by a certified asbestos building inspector under the Federal Asbestos Hazard and Emergency Response Act (AHERA, 40 CFR Part 763). Building materials that contain more than one percent asbestos are regulated as ACM and require special handling and disposal if disturbed or removed during project activities.



Lead-Based Paint

The Environmental Protection Agency (EPA) regulates lead-based paint (LBP) activities in residential target housing (40 CFR 745, Subpart L). These regulations include both training and certification requirements for persons involved in LBP activities in target housing, as well as work practice standards for conducting LBP inspections, risk assessments, and abatement activities. The regulations under 40 CFR 745, Subpart L do not apply to LBP activities for industrial properties, such as the subject buildings. DOSH, however, requires precautions to protect workers from exposure to lead from paint, regardless of the concentration of lead in paint (WAC 296-155-176).

Methods

Asbestos

EMB Consulting mobilized to the site on May 10, 2019 to conduct an inspection for ACM as a pre-demolition good faith survey for the selective demolition project in the Spic 'N Span Cleaners buildings. The scope of the survey was limited to the northwest corner of the Production Building and exposed pipe insulation in that building that might release fibers during vibrations caused by remediation investigation equipment. In addition, the west end of the Maintenance Building was also inspected.

Samples of suspect materials were collected in the field by Elisabeth Black, CIH, an AHERA-Certified Building Inspector. EMB Consulting assigned each sample a unique number to identify the material from which the sample was collected. Sample bags were labeled at the time of sample collection with the Sample ID number. The labeled samples were then placed in a larger ZiplocTM type bag and sealed for additional protection during handling and transportation. Samples were recorded on a Chain of Custody for delivery to the laboratory for analysis. Suspect asbestos samples and chain of custody were sent to NVL Laboratories of Seattle, Washington for analysis.

Suspect ACM bulk samples were analyzed using polarized light microscopy (PLM) by the Interim Method for Determination of Asbestos in Bulk Insulation Samples (EPA Method 600/M4 82 020). Samples that contained <1% or greater than 1% asbestos by PLM, but less than 10% asbestos, were reanalyzed by 400 Point Count (EPA Method 600/R93/116). NVL Laboratories is accredited for asbestos analysis by the National Institute of Standards and Technology (NIST) under the National Voluntary Laboratory Accreditation Program (NVLAP). Materials were considered to be positive for asbestos if they contained more than one percent asbestos by point count.

Sample locations are provided on the attached figure. Photographs of confirmed ACMs are provided at the end of this report. A complete list of the samples collected, sample locations, and results is provided in Table 1.

Lead in Paint

EMB Consulting conducted a screening-level inspection for lead in the areas of the two buildings that will be the subject of selective demolition. The screening included use of 3M LeadCheck™ swabs. LeadCheck swabs are recognized by the EPA as an acceptable screening tool for lead. The swabs provide a rapid test for lead on most surfaces. When lead is detected,



LeadCheck swabs turn red on contact. Each kit contains test confirmation cards to verify individual test results.

The swabs provide for a quick screening of multiple surfaces for lead, to target the surfaces that contain 600 parts per million (ppm) lead or greater or one microgram of lead. If no lead is indicated during screening, lead samples are not collected. If lead is indicated, bulk samples are collected for laboratory analysis. Lead was not indicated on any of the surfaces tested, so bulk samples were not collected.

Results

Asbestos

The results of the asbestos survey are summarized in this section. Table 1 provides the analytical results for the 19 suspect asbestos bulk samples collected by EMB Consulting for analysis. The attached figure illustrates approximate sample locations. Laboratory certificates of analysis and custody forms are attached to this report.

The samples consisted of:

- Two samples of cove base/mastic from the Production Building;
- Two samples of ceiling tile (one with mastic) from the Production Building;
- One sample of expansion joint from the Production Building exterior (northwest corner);
- Three samples of wallboard from the Production Building;
- Seven samples of pipe insulation materials (five from the Production Building and two from the Maintenance Building); and
- Four samples of vinyl tile flooring and mastic from the Production Building.

ACM was confirmed in the following types of material:

- All pipe insulation shall be assumed ACM, to include the insulation around the pipes and all elbows; and
- All vinyl flooring and associated mastic shall be assumed ACM.

Photographs of these materials are provided at the end of this report.

In addition, the sliding fire doors in the Maintenance Building should be assumed ACM. Based on this assessment it did not appear likely that the doors would be impacted by remediation activities. If the doors will be removed for disposal, they should be assumed ACM.

All ACM must be removed and disposed of by a Washington-certified asbestos abatement contractor prior to selective demolition or activities that could disturb the ACM.



Lead-Based Paint

The following surfaces were screened for lead-based paint at the Spic 'n Span facility on May 10, 2019.

- Exterior of Production Building and Maintenance Building
 - o dark green paint on wooden joint decorations
- Interior of Production Building
 - o white painted cement wall north
 - o white and grey painted drywall in Office and interior Office rooms
 - o brown painted door/window frames in the Office and interior Office rooms

Lead was not indicated on any of the surfaces identified for selective demolition.

Limitations

Work for this project was performed, and this report prepared, in accordance with generally accepted professional practices for the nature and conditions of the work completed in the same or similar localities at the time the work was performed. It is intended for the exclusive use of Aspect Consulting and its contractors for specific application to the referenced structures. No other warranty, express or implied, is made.

I appreciate the opportunity to be of service to you. Please contact me if you have questions regarding this report, or if you require additional information.

Sincerely,

Elisabeth Black, CIH EMB Consulting LLC

Attachments:

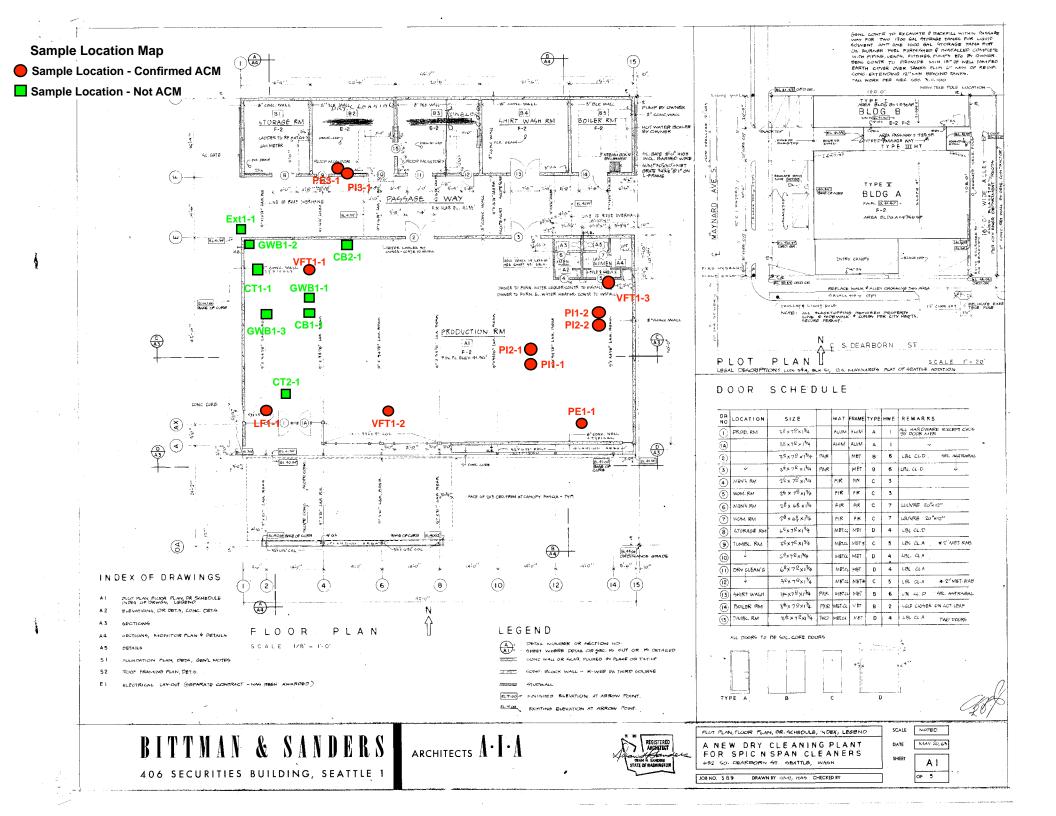
Figure with Sample Locations

Photographs

Table 1 – Bulk Asbestos Sample Results, Spic 'n Span Cleaners

NVL Laboratories, Bulk Asbestos Fiber Analysis, NVL Batch #1909870, May 16, 2019

NVL Laboratories, Bulk Asbestos Fiber Concentration by Point Count, NVL Batch #1909932, May 23, 2019





Photographs of Confirmed ACM



Photograph 1 - Pipe Elbow (PE1-1), Production Building



Photograph 2 – Pipe Elbow (PE3-1), Maintenance Building







Photograph 4 – Pipe Insulation (PI2-1), Production Building





Photograph 5 – Pipe Insulation (PI1-2 and PI2-2), Production Building

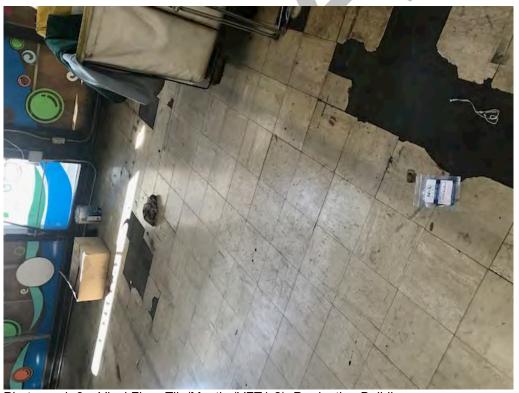


Photograph 6 – Pipe Insulation (PI1-3), Maintenance Building





Photograph 7 – Vinyl Floor Tile/Mastic (VFT1-1), Production Building



Photograph 8 – Vinyl Floor Tile/Mastic (VFT1-2), Production Building





Photograph 9 – Vinyl Floor Tile/Mastic (VFT1-3), Production Building



Photograph 10 – Laminate flooring over ACM flooring (LF1-1), Production Building

Table 1: Bulk Asbestos Sample Results Spic 'N Span Cleaners 652 S Dearborn Street Seattle, Washington

Sample ID	Material Description (color)	Sample Location	Asbestos (in Percent)	Material Quantity (if ACM)
CB1-1	Covebase - 4"	Interior		
	L1: Rubber (brown)	Production Building	L1: ND	
	L2: Mastic (tan)	Office	L2: ND	
	L3: Joint Compound (white)	SE Corner	L3: ND	
CB2-1	Covebase - 3"	Interior		
	L1: Rubber (brown)	Production Building	L1: ND	
	L2: Mastic (brown)	N Wall	L2: ND	
	,	W Side by Office		
CT1-1	Ceiling Tile (12" x 12")	Interior		
	L1: Cellulose Tile (tan/white)	Production Building	L1: ND	
	L2: Adhesive (brown)	Office	L2: ND	
	, ,	NW Corner		
CT2-1	Ceiling Tile	Interior	ND	
	(suspended frame - tan/white)	Production Building		
		Entry		
		Center		
EXT1-1	Exterior Wall Material	Exterior		
	L1: Expansion Joint (grey)	Production Building	L1: ND	
	L2: Concrete (grey)	NW Corner	L2: ND	
GWB1-1	Gypsum Wallboard	Interior		
	L1: Joint Compound (white)	Production Building	L1: ND	
	L2: Paper (white)	Office	L2: ND	
	L3: Gypsum (white)	SE Corner	L3: ND	
GWB1-2	Gypsum Wallboard	Interior		
	L1: Joint Compound (white)	Production Building	L1: 0.5% crysotile	
		Office	by point count	
	L2: Paper (white)	NW Corner	L2: ND	
	L3: Gypsum (white)		L3: ND	
GWB1-3	Gypsum Wallboard	Interior		
	L1: Paper (white)	Production Building	L1: ND	
	L2: Gypsum (white)	Outside of Office	L2: ND	
		South Side		

5/28/19 Page 1 of 4

Table 1: Bulk Asbestos Sample Results Spic 'N Span Cleaners 652 S Dearborn Street Seattle, Washington

Sample ID	Material Description (color)	Sample Location	Asbestos (in Percent)	Material Quantity (if ACM)
LF1-1	Laminate Flooring (over 9x9 tiles) L1: Mastic (tan) L2: Vinyl (grey/tan) L3: Covering (grey) L4: Mastic (yellow) L5: Vinyl Tile (beige) L6: Mastic (black)	Interior Production Building Entry SW Corner	L1: ND L2: ND L3: ND L4: ND L5: 2% Chrysotile L6: 3% Chrysotile	all 9x9 Vinyl Tile and Mastic should be considered ACM Estimated Quantity 650 ft ²
PE1-1	Pipe Elbow (brown exterior) L1: Mesh Cover (white) L2: Insulation (white)	Interior Production Building South Side East End	L1: ND L2: 5% Chrysotile	all elbows are considered ACM
PE3-1	Pipe Elbow (white)	Interior Maintenance Building Dry Cleaning Room South Wall	12% Chrysotile	60 elbows

5/28/19 Page 2 of 4

Table 1: Bulk Asbestos Sample Results Spic 'N Span Cleaners 652 S Dearborn Street Seattle, Washington

Sample ID	Material Description (color)	Sample Location	Asbestos (in Percent)	Material Quantity (if ACM)
PI1-1	Pipe Insulation (brown exterior)	Interior		
	L1: Mastic (off-white)	Production Building	L1: ND	
	L2: Mesh Cover (white)	East Side	L2: ND	
	L3: Insulation (white)	Center	L3: 5% Chrysotile	
	, ,		15% Amosite	
PI1-2	Pipe Insulation (brown exterior)	Interior		
	L1: Mastic (off-white)	Production Building	L1: ND	
	L2: Mesh Cover (white)	East Side	L2: ND	
	L3: Insulation (white)	At Ceiling	L3: ND	
PI2-1	Pipe Insulation (mustard exterior)	Interior		all pipe insulation is
	L2: Mesh Cover (white)	Production Building	L1: ND	considered ACM
	L3: Insulation (white)	East Side	L2: 25% Chrysotile	
	, ,	At Ceiling	4% Amosite	1,000 lf
PI2-2	Pipe Insulation (mustard exterior)	Interior		
	L1: Mastic (off-white)	Production Building	L1: ND	
	L2: Insulation (white)	East Side	L2: 15% Chrysotile	
		At Ceiling	8% Amosite	
	L3: Insulation (yellow)	-	L3: ND	
PI3-1	Pipe Insulation (white)	Interior	23% Chrysotile	
		Maintenance Building	10% Amosite	
		Dry Cleaning Room		
		South Wall		

5/28/19 Page 3 of 4

Table 1: Bulk Asbestos Sample Results Spic 'N Span Cleaners 652 S Dearborn Street Seattle, Washington

Sample ID	Material Description (color)	Sample Location	Asbestos (in Percent)	Material Quantity (if ACM)
VFT1-1	Vinyl Floor Tile	Interior		
	L1: Vinyl Tile (beige)	Production Building	L1: 3% Chrysotile	
	L2: Mastic (black)	Office Restroom	L2: ND	
	L3: Powdery Material (off-white)	Threshold	L3: ND	All 9x9 Vinyl Tile and Mastic
VFT1-2	Vinyl Floor Tile	Interior		should be considered ACM
	L1: Vinyl Tile (beige)	Production Building	L1: 3% Chrysotile	Should be considered Aom
	L2: Mastic (black)	South Side	L2: ND	Estimated Quantity
	, ,	Center		
VFT1-3	Vinyl Floor Tile	Interior		6,000 ft ²
	L1: Mastic (tan)	Production Building	L1: ND	
	L2: Vinyl Tile (beige)	East Side	L2: 3% Chrysotile	
	L3: Mastic (black)	Threshold to Women's	L3: ND	

ACM Asbestos-Containing Material

L: Layer

ND Non-Detect If linear feet ft² square feet

5/28/19 Page 4 of 4

May 16, 2019



Elisabeth Black
EMB Consulting, LLC
22725 44th Ave W. #203
Mountlake Terrace, WA 98043

RE: Bulk Asbestos Fiber Analysis; NVL Batch # 1909870.00

Client Project: Elisabeth Black

Location: Spic 'n' Span

Dear Ms. Black,

Enclosed please find test results for the 19 sample(s) submitted to our laboratory for analysis on 5/10/2019.

Examination of these samples was conducted for the presence of identifiable asbestos fibers using polarized light microscopy (PLM) with dispersion staining in accordance with both **EPA 600/M4-82-020**, Interim Method for the Determination of Asbestos in Bulk Insulation Samples and **EPA 600/R-93/116** Method for the Determination of Asbestos in Bulk Building Materials.

For samples containing more than one separable layer of materials, the report will include findings for each layer (labeled Layer 1 and Layer 2, etc. for each individual layer). The asbestos concentration in the sample is determined by calibrated visual estimation.

For those samples with asbestos concentrations between 1 and 10 percent based on visual estimation, the EPA recommends a procedure known as point counting (NESHAPS, 40 CFR Part 61). Point counting is a statistically more accurate means of quantification for samples with low concentrations of asbestos.

The detection limit for the calibrated visual estimation is <1%, 400 point counts is 0.25% and 1000 point counts is 0.1%

Samples are archived for two weeks following analysis. Samples that are not retrieved by the client are discarded after two weeks.

Thank you for using our laboratory services. Please do not hesitate to call if there is anything further we can assist you with.

Sincerely,

Matt Macfarlane, Asbestos Lab Supervisor

Enc.: Sample Results

Lab Code: 102063-0



By Polarized Light Microscopy

Batch #: 1909870.00

Client Project #: Elisabeth Black

Date Received: 5/10/2019

Samples Received: 19 Samples Analyzed: 19

Method: EPA/600/R-93/116

& EPA/600/M4-82-020

Asbestos Type: %

Client: EMB Consulting, LLC

Address: 22725 44th Ave W. #203 Mountlake Terrace, WA 98043

Attention: Ms. Elisabeth Black

Project Location: Spic 'n' Span

Lab ID: 19051107 Client Sample #: CB1-1

Location: Spic 'n' Span

Layer 1 of 3 Description: Brown rubbery material

Non-Fibrous Materials: Other Fibrous Materials: Asbestos Type: %

Calcareous particles, Rubber/Binder None Detected ND None Detected ND

Layer 2 of 3 Description: Tan soft mastic

Non-Fibrous Materials: Other Fibrous Materials:%

Fine particles, Mastic/Binder Synthetic fibers <1% None Detected ND

Layer 3 of 3 Description: Trace thin white compacted powdery material with white paint

Non-Fibrous Materials: Other Fibrous Materials: Asbestos Type: %

Calcareous binder, Calcareous particles, Paint None Detected ND None Detected ND

Location: Spic 'n' Span

Comments: Qualitative analysis was conducted for the presence of asbestos fibers in this layer 1.

Layer 1 of 2 Description: Brown rubbery material with debris

Calcareous particles, Insect parts, Rubber/Binder Cellulose None Detected ND

Synthetic fibers

Hair

Spider silk

Layer 2 of 2 Description: Brown brittle mastic with cream paint

Non-Fibrous Materials: Other Fibrous Materials: Asbestos Type: %

Fine particles, Mastic/Binder, Paint None Detected ND None Detected ND

Sampled by: Client

Analyzed by: Alla Prysyazhnyuk Date: 05/14/2019

Reviewed by: Matt Macfarlane **Date:** 05/16/2019 Matt Macfarlane, Asbestos Lab Supervisor

Bulk Asbestos Fibers Analysis

NVL

By Polarized Light Microscopy

Client: EMB Consulting, LLC Address: 22725 44th Ave W. #203

Mountlake Terrace, WA 98043

Batch #: 1909870.00

Client Project #: Elisabeth Black

Date Received: 5/10/2019 Samples Received: 19

Samples Analyzed: 19

Method: EPA/600/R-93/116

& EPA/600/M4-82-020

Attention: Ms. Elisabeth Black

Project Location: Spic 'n' Span

Location: Spic 'n' Span

Layer 1 of 2 Description: Beige compressed fibrous material with off-white paint

Non-Fibrous Materials: Other Fibrous Materials: Asbestos Type: %

Binder/Filler, Paint Wood fibers 98% None Detected ND

Layer 2 of 2 Description: Brown brittle mastic

Non-Fibrous Materials: Other Fibrous Materials: Asbestos Type: %

Mastic/Binder None Detected ND None Detected ND

Lab ID: 19051110 Client Sample #: CT2-1

Location: Spic 'n' Span

Layer 1 of 1 Description: Tan compressed fibrous material with white coating

Non-Fibrous Materials: Other Fibrous Materials: Asbestos Type: %

Binder/Filler, Calcareous particles, Perlite Cellulose 85% None Detected ND

Glass fibers 5%

Spider silk <1%

Lab ID: 19051111 Client Sample #: EXT1-1

Location: Spic 'n' Span

Layer 1 of 2 Description: Light gray soft material

Non-Fibrous Materials: Other Fibrous Materials: Asbestos Type: %

Binder/Filler None Detected ND None Detected ND

Layer 2 of 2 Description: Gray sandy/brittle material with white trace paint

Non-Fibrous Materials: Other Fibrous Materials: Asbestos Type: %

Binder/Filler, Granules, Paint None Detected ND None Detected ND

Rust, Sand

Sampled by: Client

Analyzed by: Alla Prysyazhnyuk Date: 05/14/2019

Reviewed by: Matt Macfarlane Date: 05/16/2019 Matt Macfarlane, Asbestos Lab Supervisor

Bulk Asbestos Fibers Analysis

NVL

By Polarized Light Microscopy

Client: EMB Consulting, LLC Address: 22725 44th Ave W. #203

Mountlake Terrace, WA 98043

Attention: Ms. Elisabeth Black

Project Location: Spic 'n' Span

Batch #: 1909870.00

Client Project #: Elisabeth Black

Date Received: 5/10/2019

Samples Received: 19

Samples Analyzed: 19

Method: EPA/600/R-93/116

& EPA/600/M4-82-020

None Detected ND

Lab ID: 19051112 Client Sample #: GWB1-1 Location: Spic 'n' Span

Layer 1 of 3 Description: White compressed compacted powdery material with light cream paint

Non-Fibrous Materials: Other Fibrous Materials: Asbestos Type: %

Binder/Filler, Calcareous particles, Paint None Detected ND None Detected ND

Layer 2 of 3 Description: White thin fibrous material

Non-Fibrous Materials: Other Fibrous Materials: Asbestos Type: %

Binder/Filler Cellulose 12%

Layer 3 of 3 Description: White chalky material with paper

Non-Fibrous Materials: Other Fibrous Materials: Asbestos Type: %

Calcareous particles, Gypsum/Binder, Mica Cellulose 20%

Cellulose 20% None Detected ND

Glass fibers 6%

Lab ID: 19051113 Client Sample #: GWB1-2

Location: Spic 'n' Span

Layer 1 of 3 Description: White compacted powdery material with layered paint

Non-Fibrous Materials: Other Fibrous Materials: Asbestos Type: %

Calcareous binder, Calcareous particles, Paint None Detected ND Chrysotile 2%

Layer 2 of 3 Description: Beige fibrous material

Non-Fibrous Materials: Other Fibrous Materials: Asbestos Type: %

Binder/Filler Cellulose 30% None Detected ND

Layer 3 of 3 Description: Off-white chalky material with paper

Non-Fibrous Materials: Other Fibrous Materials: Asbestos Type: %

Calcareous particles, Gypsum/Binder Cellulose 19% None Detected ND

Glass fibers 2%

Sampled by: Client

Analyzed by: Alla Prysyazhnyuk Date: 05/14/2019

Reviewed by: Matt Macfarlane Date: 05/16/2019 Matt Macfarlane, Asbestos Lab Supervisor



By Polarized Light Microscopy

by

Client Project #: Elisabeth Black

Date Received: 5/10/2019 Samples Received: 19

Batch #: 1909870.00

Method: EPA/600/R-93/116

Samples Received: 19 Samples Analyzed: 19

& EPA/600/M4-82-020

None Detected ND

NVL

Attention: Ms. Elisabeth Black

Client: EMB Consulting, LLC

Address: 22725 44th Ave W. #203

Mountlake Terrace, WA 98043

Project Location: Spic 'n' Span

Lab ID: 19051114 Client Sample #: GWB1-3

Location: Spic 'n' Span

Layer 1 of 2 Description: White thin fibrous material with light gray/white paint

Non-Fibrous Materials: Other Fibrous Materials: Asbestos Type: %

Binder/Filler, Paint Cellulose 15%

Layer 2 of 2 Description: White chalky material with paper

Non-Fibrous Materials: Other Fibrous Materials: Asbestos Type: %

Gypsum/Binder, Fine particles Cellulose 22% None Detected ND

Glass fibers 5%

Lab ID: 19051115 Client Sample #: LF1-1

Location: Spic 'n' Span

Layer 1 of 6 Description: Tan soft mastic

Non-Fibrous Materials: Other Fibrous Materials: Asbestos Type: %

Fine particles, Mastic/Binder Cellulose <1% None Detected ND

Layer 2 of 6 Description: Gray soft vinyl tile with tan surface

Non-Fibrous Materials: Other Fibrous Materials: Asbestos Type: %

Binder/Filler, Calcareous particles, Fine grains

None Detected ND

None Detected ND

Vinyl/Binder

Layer 3 of 6 Description: Gray thin soft material

Non-Fibrous Materials: Other Fibrous Materials: Asbestos Type: %

Binder/Filler, Calcareous particles None Detected ND None Detected ND

Layer 4 of 6 Description: Yellow soft mastic

Non-Fibrous Materials: Other Fibrous Materials: Asbestos Type: %

Fine particles, Mastic/Binder None Detected ND None Detected ND

Sampled by: Client

Analyzed by: Alla Prysyazhnyuk Date: 05/14/2019

Reviewed by: Matt Macfarlane Date: 05/16/2019 Matt Macfarlane, Asbestos Lab Supervisor

Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: EMB Consulting, LLC Address: 22725 44th Ave W. #203

Mountlake Terrace, WA 98043

Attention: Ms. Elisabeth Black

Project Location: Spic 'n' Span

Batch #: 1909870.00

Client Project #: Elisabeth Black

Date Received: 5/10/2019

Samples Received: 19

Samples Analyzed: 19

Method: EPA/600/R-93/116

& EPA/600/M4-82-020

Laver 5 of 6 Description: Beige tile

Non-Fibrous Materials:

Other Fibrous Materials:% None Detected

Asbestos Type: %

Chrysotile 2%

Binder/Filler, Calcareous particles, Mineral grains

Non-Fibrous Materials:

Other Fibrous Materials:%

Asbestos Type: %

Asphalt/Binder

None Detected ND

ND

Chrysotile 3%

Lab ID: 19051116 Client Sample #: PE1-1

Location: Spic 'n' Span

Layer 6 of 6

Layer 1 of 2 Description: White woven fibrous mesh with brown/green paint and yellow mastic

Non-Fibrous Materials:

Other Fibrous Materials:%

Asbestos Type: %

Binder/Filler. Mastic/Binder. Paint

Description: Trace thin soft black asphaltic mastic

Cellulose 23%

None Detected ND

Layer 2 of 2 Description: Off-white compressed powdery material with woven fibrous mesh and mastic

Non-Fibrous Materials:

Other Fibrous Materials:%

Asbestos Type: %

Binder/Filler, Fine particles, Mineral beads

Cellulose 19%

Chrysotile 5%

Mineral wool 15% Mastic/Binder

Lab ID: 19051117 Client Sample #: PI1-1

Location: Spic 'n' Span

Layer 1 of 3 **Description:** Off-white thin brittle mastic

Non-Fibrous Materials:

Other Fibrous Materials:%

Asbestos Type: %

Calcareous particles, Mastic/Binder

None Detected ND

None Detected ND

Layer 2 of 3 Description: White woven fibrous mesh with brown/green paint and yellow thin mastic

Non-Fibrous Materials:

Other Fibrous Materials:%

Asbestos Type: %

Binder/Filler, Mastic/Binder, Paint

Cellulose 20%

None Detected ND

Sampled by: Client

Analyzed by: Alla Prysyazhnyuk Reviewed by: Matt Macfarlane

Date: 05/14/2019 Date: 05/16/2019

Matt Macfarlane, Asbestos Lab Supervisor

Bulk Asbestos Fibers Analysis

NVL

By Polarized Light Microscopy

Client: EMB Consulting, LLC Address: 22725 44th Ave W. #203

Mountlake Terrace, WA 98043

Attention: Ms. Elisabeth Black

Project Location: Spic 'n' Span

Batch #: 1909870.00

Client Project #: Elisabeth Black

Date Received: 5/10/2019

Samples Received: 19

Samples Analyzed: 19

Method: EPA/600/R-93/116

& EPA/600/M4-82-020

Laver 3 of 3 **Description:** Pale gray compressed powdery material

Non-Fibrous Materials:

Other Fibrous Materials:%

Asbestos Type: %

Binder/Filler, Fine particles

None Detected ND **Chrysotile 5%**

Amosite 15%

Lab ID: 19051118 Client Sample #: PI1-2

Location: Spic 'n' Span

Comments: Qualitative analysis was conducted for the presence of asbestos fibers in this layer 3.

Layer 1 of 3 **Description:** Tan woven fibrous mesh withtan/green paint and mastic

Non-Fibrous Materials: Other Fibrous Materials:%

Binder/Filler, Mastic/Binder Cellulose 18% Asbestos Type: % None Detected ND

Layer 2 of 3 **Description:** Yellow fibrous material

Non-Fibrous Materials:

Other Fibrous Materials:%

Asbestos Type: %

Adhesive/Binder. Glass beads

Glass fibers 65%

None Detected ND

Layer 3 of 3 **Description:** Gray fibrous debris

Non-Fibrous Materials:

Other Fibrous Materials:%

Asbestos Type: %

Fine particles

Cellulose

None Detected ND

Synthetic fibers

Spider silk

Lab ID: 19051119 Client Sample #: Pl2-1

Location: Spic 'n' Span

Layer 1 of 2 Description: White woven fibrous mesh with tan/green paint and yellow thin mastic

Non-Fibrous Materials:

Other Fibrous Materials:%

Asbestos Type: %

Binder/Filler, Debris, Mastic/Binder

Cellulose 17%

None Detected ND

Paint

Sampled by: Client

Analyzed by: Alla Prysyazhnyuk Reviewed by: Matt Macfarlane

Date: 05/14/2019 Date: 05/16/2019

Matt Macfarlane, Asbestos Lab Supervisor



By Polarized Light Microscopy

Batch #: 1909870.00

Address: 22725 44th Ave W. #203 Client Project #: Elisabeth Black

Mountlake Terrace, WA 98043 Date Received: 5/10/2019

Attention: Ms. Elisabeth Black Samples Received: 19
Samples Received: 19

Project Location: Spic 'n' Span Method: EPA/600/R-93/116

& EPA/600/M4-82-020

NVL

Layer 2 of 2 Description: Off-white compressed powdery material

Non-Fibrous Materials: Other Fibrous Materials: Asbestos Type: %

Binder/Filler, Fine particles, Mineral beads Mineral wool 10% Chrysotile 25%

Amosite 4%

Client: EMB Consulting, LLC

Location: Spic 'n' Span

Layer 1 of 3 Description: White woven fibrous mesh with tan/green paint and yellow thin mastic

Non-Fibrous Materials: Other Fibrous Materials: Asbestos Type: %

Binder/Filler, Fine particles, Mastic/Binder Cellulose 15% None Detected ND

Paint

Layer 2 of 3 Description: Off-white compressed powdery material with white woven mesh

Non-Fibrous Materials: Other Fibrous Materials: Asbestos Type: %

Binder/Filler, Fine particles, Mineral beads Synthetic fibers 18% Chrysotile 15%

Mineral wool <1% Amosite 8%

Layer 3 of 3 Description: Yellow fibrous material

Non-Fibrous Materials: Other Fibrous Materials: Asbestos Type: %

Adhesive/Binder, Glass beads Glass fibers 56% None Detected ND

Lab ID: 19051121 Client Sample #: PE3-1

Location: Spic 'n' Span

Layer 1 of 1 Description: Off-white compressed powdery material with white woven mesh and trace mastic

Non-Fibrous Materials: Other Fibrous Materials: Asbestos Type: %

Binder/Filler, Fine particles, Mineral beads Synthetic fibers 19% Chrysotile 12%

Mastic/Binder Mineral wool 10%

Sampled by: Client

Analyzed by: Alla Prysyazhnyuk Date: 05/14/2019

Reviewed by: Matt Macfarlane Date: 05/16/2019 Matt Macfarlane, Asbestos Lab Supervisor

Bulk Asbestos Fibers Analysis

NVL

By Polarized Light Microscopy

Client: EMB Consulting, LLC Address: 22725 44th Ave W. #203

Mountlake Terrace, WA 98043

Attention: Ms. Elisabeth Black

Project Location: Spic 'n' Span

Batch #: 1909870.00

Client Project #: Elisabeth Black

Date Received: 5/10/2019

Samples Received: 19

Samples Analyzed: 19

Method: EPA/600/R-93/116

& EPA/600/M4-82-020

Location: Spic 'n' Span

Layer 1 of 1 Description: Off-white compressed powdery material with woven fibrous mesh

Non-Fibrous Materials: Other Fibrous Materials: Ask

Binder/Filler, Fine particles Synthetic fibers 17%

Asbestos Type: %

Asbestos Type: %

None Detected ND

Chrysotile 23%
Amosite 10%

Lab ID: 19051123 Client Sample #: VFT1-1

Location: Spic 'n' Span

Comments: Unable to analyze tan mastic as a separate layer in layer 2.

Layer 1 of 3 Description: Beige tile

Non-Fibrous Materials: Other Fibrous Materials: Asbestos Type: %

Binder/Filler, Calcareous particles, Mineral grains

None Detected

ND

Chrysotile 3%

Layer 2 of 3 Description: Black asphaltic and trace tan mastic

Non-Fibrous Materials: Other Fibrous Materials:%

Asphalt/Binder, Mastic/Binder Cellulose <1%

Layer 3 of 3 Description: Off-white textured powdery material

Non-Fibrous Materials: Other Fibrous Materials: Asbestos Type: %

Binder/Filler, Fine particles None Detected ND None Detected ND

Lab ID: 19051124 Client Sample #: VFT1-2

Location: Spic 'n' Span

Layer 1 of 2 Description: Beige tile

Non-Fibrous Materials: Other Fibrous Materials: Asbestos Type: %

Binder/Filler, Calcareous particles, Mineral grains

None Detected

ND

Chrysotile 2%

Sampled by: Client

Analyzed by: Alla Prysyazhnyuk

Date: 05/14/2019

Reviewed by: Matt Macfarlane Date: 05/16/2019 Matt Macfarlane, Asbestos Lab Supervisor

Bulk Asbestos Fibers Analysis

NVL

By Polarized Light Microscopy

Client: EMB Consulting, LLC Address: 22725 44th Ave W. #203 Mountlake Terrace, WA 98043

Attention: Ms. Elisabeth Black

Project Location: Spic 'n' Span

Batch #: 1909870.00

Client Project #: Elisabeth Black

Date Received: 5/10/2019 Samples Received: 19

Samples Analyzed: 19

Method: EPA/600/R-93/116

& EPA/600/M4-82-020

Description: Black asphaltic mastic Layer 2 of 2

Non-Fibrous Materials:

Other Fibrous Materials:%

Asbestos Type: %

Asphalt/Binder, Fine particles, Mastic/Binder

Cellulose <1%

None Detected ND

Lab ID: 19051125 Client Sample #: VFT1-3

Location: Spic 'n' Span

Layer 1 of 3

Layer 2 of 3

Layer 3 of 3

Description: Tan brittle mastic

Non-Fibrous Materials:

Other Fibrous Materials:%

Asbestos Type: %

Fine particles, Mastic/Binder

None Detected ND

Cellulose <1%

None Detected ND

Description: Beige tile

Non-Fibrous Materials:

Non-Fibrous Materials:

Binder/Filler, Fine particles

Other Fibrous Materials:% None Detected

Asbestos Type: %

Chrysotile 3%

Binder/Filler, Calcareous particles, Mineral grains

Description: Black asphaltic mastic

Asbestos Type: % Other Fibrous Materials:%

None Detected ND

Sampled by: Client

Analyzed by: Alla Prysyazhnyuk Reviewed by: Matt Macfarlane

Date: 05/14/2019 Date: 05/16/2019

Matt Macfarlane, Asbestos Lab Supervisor

ASBESTOS LABORATORY SERVICES



Company EMB Consulting, LLC Address 22725 44th Ave W. #203 Mountlake Terrace, WA 98043 Project Manager Ms. Elisabeth Black Phone (206) 915-2395			44th Ave W. #20 lke Terrace, WA 98 abeth Black	3 3043	TAT 1 Day AH No. 43 Rush TAT		
Proje	ect Name/N	umber	: Elisabeth Black	Project L	ocation: Spic 'n' Span		
Subca	ategory PLN	Л Bulk					
Iter	n Code ASE	3-02	EPA 60	00/R-93-116 Asb	estos by PLM <bulk></bulk>		
To	tal Numbe	er of S	Samples <u>19</u>			Rush San	nples
	Lab ID	San	nple ID	Description			A/R
1	19051107	CB1	-1				Α
2	19051108	CB2	-1				Α
3	19051109	CT1	-1				A
4	19051110	CT2	-1				A
5	19051111	EXT					A
6	19051112	GWE					A
7	19051113	GWE					A
8	19051114	GWE					A
9	19051115	LF1-					A
10	19051116	PE1					A
11	19051117	PI1-					A
12	19051118	PI1-2					A
13	19051119	PI2-					A
14	19051120	PI2-2					A
15		PE3-					A
16	19051122	PI3-					A
17	19051123	VFT					A
18	19051124	VFT	1-2				A
			Print Name	Signature	Company	, Date	Time
	Sampled		Client				
	Relinquishe	d by	Client				
Of	fice Use On	ly	Print Name	Signature	Company	/ Date	Time
	Receive	d by	Matthew McCallum		NVL	5/10/19	1605
	Analyze	d by	Alla Prysyazhnyuk		NVL	5/14/19	
	Results Call	led by					
	Faxed E	mailed					
In	Special structions:		g) aur on 5/14				

Date: 5/14/2019 Time: 1:34 PM

Entered By: Emily Schubert

ASBESTOS LABORATORY SERVICES

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Company EMB Consulting, LLC NVL Batch Number 1909870.00						0.00	
	Address	22725 44th Ave	e W. #203	TAT 1 Day		AH No	
		Mountlake Terrac	ce, WA 98043	Rush TAT			
Projec	ct Manager	Ms. Elisabeth Bla	ack	Due Date 5/15/2	2019 Time	8:00 AM	
	Phone	(206) 915-2395		Email emblackcon	sult@gmail.c	om	
				Fax			
	ect Name/lategory PL	Number: Elisabetl M Bulk	n Black Project L	ocation: Spic 'n' Span			
lter	n Code AS	SB-02	EPA 600/R-93-116 As	bestos by PLM <bulk></bulk>			
То	tal Numb	per of Samples	s <u> </u>			Rush Samples	
	Lab ID	Sample ID	Description				A/R
19	19051125	VFT1-3					Α

	Print Name	Signature	Company	Date	Time
Sampled by	Client				
Relinquished by	Client				
Office Use Only	Print Name	Signature	Company	Date	Time
Received by	Matthew McCallum		NVL	5/10/19	1605
Analyzed by	Alla Prysyazhnyuk		NVL	5/14/19	
Results Called by					
☐ Faxed ☐ Emailed					
Special rcvd (Instructions:	② aur on 5/14				

Date: 5/14/2019 Time: 1:34 PM

Entered By: Emily Schubert



1909870

pratory Services hain Of Custody

Section 1: Contact

Company Information

EMB Consulting, LLC (206) 915-2395 22725 44th Avenue West, #203 Mountlake Terrace WA 98043 United States Elisabeth Black emblackconsult@gmail.com

(206) 915-2395

Project Manger Information Project Information
Elisabeth Black Name/#: Elisabeth Black

Location: Spic 'n Span

Section 2: Analysis

Sub Category

PLM Bulk

Method

EPA 600/R-93-116 Asbestos by PLM

Turn Around Time

2 Days

Reporting Instructions

Email emblackconsult@gmail.com

Client Sample Information

Sample ID	Description	A/R
CB1-1		
CB2-1		
CT1-1		
CT2-1		
EXT1-1		
GWB1-1		
GWB1-2		
GWB1-3		
LF1-1		
PE1-1		
PI1-1		
PI1-2		
PI2-1		
PI2-2		
PE3-1		
PI3-1		
VFT1-1		

1909870

VFT1-3

1	Print Name	Signature	Company	Date	Time
Sampled By	Elisabeth Black	1 A AL	EMB Consulting, LLC	05/10/2019	03:00 pm
Relinquish By	Elisabeth Black	E. Blat	EMB Consulting	05/10/2019	03:00 pm

Office Use Only

	Print Name	Signature	Company	Date	Time
Received By	Matt McCallum	All Mille	NVL	5/10/19	1605
Analyzed By		4-		1	
Called By	1	1			1
Faxed/Email By		, au			The state of the s



Elisabeth Black

EMB Consulting, LLC

22725 44th Ave W. #203

Mountlake Terrace, WA 98043

RE: Bulk Asbestos Fiber Concentration by Point Count

NVL Batch # 1909932

Client Project: Elisabeth Black

Location: Spic 'n' Span

Dear Ms. Black,

At your request, NVL Laboratories conducted analysis of your sample to determine the asbestos concentration using point count procedures.

The sample was analyzed for the presence of asbestos fibers using polarized light microscopy (PLM) with dispersion staining in accordance with U.S. EPA method 600/R -93/116.

Eight slides of thoroughly homogenized material are prepared for any given sample that requires point counting. In order to be counted as a point, the crosshairs of the microscope must center on either a fiber or a particle. The analyst counts at least 50 points per slide preparation. A minimum of 400 non-empty points are counted, then the number of counted asbestos fibers are divided by the total number of points counted to arrive at the percentage of asbestos in the sample.

Please see the conclusion section of the lab reports for point count results.

It has been a pleasure to be of service to you. Please feel free to call if there is anything further we can assist you with.

Sincerely,

Matt Macfarlane, Asbestos Lab Supervisor

Lab Code: 102063-0

Enc.: Sample Results

PLM Point Count Bulk Asbestos Fibers Analysis



Client: EMB Consulting, LLC

Address: 22725 44th Ave W. #203

Mountlake Terrace. WA 98043

Attention: Ms. Elisabeth Black

Project Location: Spic 'n' Span

Batch #: 1909932.00

Client Project #: Elisabeth Black

Date Received: 5/15/2019

Samples Received: 1

Samples Analyzed: 1

Method: EPA/600R-93/116

Lab ID: 19051425 Client Sample #: GWB1-2 Layer 1

Sample Description: Analyzed layer 1 of 3: White compacted powdery material with layered paint.

This sample was initially analyzed for Asbestos content using Polarized Light Microscopy (PLM).

Introduction: Asbestos fibers were observed and quantity was determined using calibrated visual area estimation.

Asbestos content was originally found to be 2 % in Layer 1. Corresponding Lab ID 19051113

		Non	Total
Prep	Asbestos	Asbestos	Points
Slide #	Point	Point	Counted
1	0	50	50
2	0	50	50
3	0	50	50
4	0	50	50
5	2	48	50
6	0	50	50
7	0	50	50
8	0	50	50
Total	2	398	400

Conclusion: This Sample Contains 0.5 % ASBESTOS

Comments: Chrysotile asbestos fibers observed in field of view

Sampled by: Client

Analyzed by: Alla Prysyazhnyuk Reviewed by: Matt Macfarlane Date: 05/16/2019

Date: 05/23/2019

Matt Macfarlane, Asbestos Lab Supervisor

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using EPA 600/R -93/116 Method with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government.

ASB-03 page 2 of 6

ASBESTOS LABORATORY SERVICES



Company	EMB Consulting, LLC	NVL Batch Nu	mber <u>190993</u> 2	2.00	
Address	22725 44th Ave W. #203	TAT 5 Days		AH No	
	Mountlake Terrace, WA 980	43 Rush TAT			
Project Manager	Ms. Elisabeth Black	Due Date 5	/22/2019 Time	10:20 AM	
Phone	(206) 915-2395	Email emblac	kconsult@gmail.co	om	
		Fax			
Subcategory Pl	Number: Elisabeth Black	Project Location: Spic 'n' S	pan		
Item Code AS		/R-93-116 Asbestos by PLM (400) points) <bulk></bulk>		
Total Numl	per of Samples1_	_		Rush Samples	
Lab ID	Sample ID	Description			A/R
1 19051425	GWB1-2 Laver 1				Α

	Print Name	Signature	Company	Date	Time
Sampled by	Client				
Relinquished by	Emailed by Client				
Office Use Only	Print Name	Signature	Company	Date	Time
Received by	Kelly AuVu		NVL	5/15/19	1020
Analyzed by	Alla Prysyazhnyuk		NVL	5/16/19	
Results Called by					
Faxed Emailed					
Special Samp Instructions:	le originally from bat	ch 1909870			

Date: 5/15/2019 Time: 10:21 AM Entered By: Kelly AuVu

ASN 4

ASBESTOS WASTE SHIPMENT REPORT FORM

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PLEASE PRINT OR TYPE. If you have questions, contact your local DEQ Regional Office in Portland 503-229-5364, Salem 503-378-5086, Medford 541-776-6107, Coos Bay 541-269-2721 ext. 222, Bend 541-633-2019, or Pendleton 541-278-4626. Date: 8.30-19 Wer lout 1-75-87

	652 5. Deciburn St	SCAN	& WA	trins	98134
	Street	City/State		County	Zip
	Asbestos removal site name and address: SSSSSTEEL Contact person: SCOTT ST J.	ohn	Phone	: 206.3	371-0020
	Contractor/Operator's name and address: Walker Spec				
	PO Box 469	Snohom	ish, WA	Snohomish	98291
	Street	City/State		County	Zip
	Waste disposal site: N Wasco County Landfill		Phone	: 541-296-	4082
	2550 Steele Road			Wasco	
	Street	City/State		County	Zip
	Describe asbestos materials: ACM PIRING	HAG	1, 100005	To the second	0
	Containers: Number: 22 Total quantity (cubic yards): 3		Туре:	10 12 mg	TEMPEN
	Total quantity (cubic yards): 3 y 65			2 0000.	e come object
	Shipment Record Form. Agent: 30<4 Buckens		Company	Walker Spe	ecialty Construction
	Agoni. Or A Juliana Ann		_Company _		
	Address: PO Box 469, Snohomish, WA 98291		Dhono	425-806-7	7377
			I HOHE.		
	NSPORTER(S):				
•	Transporter #1: (Acknowledgment of receipt of materials)				
	Transporter #1: (Acknowledgment of receipt of materials) Agent:	400	Company: D	&B Trucking	
	Transporter #1: (Acknowledgment of receipt of materials) Agent: Address: 1905 E. Lincoln Ave, Tacoma, WA 98421	400	Company: D	&B Trucking 253-383-3860	
	Transporter #1: (Acknowledgment of receipt of materials) Agent: Address: 1905 E. Lincoln Ave, Tacoma, WA 98421 Signature:	400	Company: D	&B Trucking 253-383-3860	
	Transporter #1: (Acknowledgment of receipt of materials) Agent: Address: 1905 E. Lincoln Ave, Tacoma, WA 98421 Signature:	400	Company: D	&B Trucking 253-383-3860 Date:	
	Transporter #1: (Acknowledgment of receipt of materials) Agent: Address: 1905 E. Lincoln Ave, Tacoma, WA 98421 Signature: Billy Spencer D&B Trucking materials) Agent: OS Lincoln Ave, Tacoma WA 98421	400	Company: DPhone:	&B Trucking 253-383-3860 Date:	
	Transporter #1: (Acknowledgment of receipt of materials) Agent: Address: 1905 E. Lincoln Ave, Tacoma, WA 98421 Signature:	400	Company: DPhone:	&B Trucking 253-383-3860 Date:	
	Transporter #1: (Acknowledgment of receipt of materials) Agent: Address: 1905 E. Lincoln Ave, Tacoma, WA 98421 Signature: Billy Spencer D&B Trucking materials) Agent: 1005 Lincoln Ave, Tacoma WA 98421 Address: 1005 Lincoln Ave, Tacoma WA 98421		Company: D Phone: Company: Phone:	&B Trucking 253-383-3860 Date:	
	Transporter #1: (Acknowledgment of receipt of materials) Agent: Address: 1905 E. Lincoln Ave, Tacoma, WA 98421 Signature: Billy Spencer Des Truckins materials) Agent: (Acknowledgment of receipts materials) Agent: Address: Add		Company: D Phone: Company: Phone:	253-383-3860 Date: Date:	
PC	Transporter #1: (Acknowledgment of receipt of materials) Agent: Address: 1905 E. Lincoln Ave, Tacoma, WA 98421 Signature: Billy Spencer D&B Trucking materials) Agent: Address: 12: (Acknowledgment of receipt of materials) Agent: Address: 23 Signature: 25 OSAL: (Certification of receipt of asbestos materials covered)	by this manife	Company: D Phone: Company: Phone:	253-383-3860 Date: Date:	
PC	Transporter #1: (Acknowledgment of receipt of materials) Agent: Address: 1905 E. Lincoln Ave, Tacoma, WA 98421 Signature: Billy Spencer Des Truckins materials) Agent: (Acknowledgment of receipts materials) Agent: Address: Add	by this manife	Company: D Phone: Company: Phone:	253-383-3860 Date: Date:	w.)
PC	Transporter #1: (Acknowledgment of receipt of materials) Agent: Address: 1905 E. Lincoln Ave, Tacoma, WA 98421 Signature: Billy Spencer D&B Trucking materials) Agent: Address: Address: Cacknowledgment of receipt of asbestos materials covered Vaste Disposal Site: WASCO COUNTY LAN	by this manife	Company: D Phone: Company: Phone:	253-383-3860 Date: Date:	w.) SEP 0 4 2019
PCV	Transporter #1: (Acknowledgment of receipt of materials) Agent: Address: 1905 E. Lincoln Ave, Tacoma, WA 98421 Signature: Billy Spencer Deb Trucking materials) Agent: (Acknowledgment of receipt materials) Agent: Address: Address: Signature: WA 98421 OSAL: (Certification of receipt of asbestos materials covered waste Disposal Site: WASCO COUNTY LAN Linda Miller	by this manife	Company: D Phone: Company: Phone:	AB Trucking 253-383-3860 Date: Date: ed in item 11 belove Date:	w.) SEP 0 4 2019
PCV	Transporter #1: (Acknowledgment of receipt of materials) Agent: Address: 1905 E. Lincoln Ave, Tacoma, WA 98421 Signature: Billy Spencer D&B Trucking materials) Agent: (Acknowledgment of receipt of materials) Agent: Spencer D&B Trucking materials) Agent: (Acknowledgment of receipt of assestos materials covered Signature: WASCO COUNTY LAN Jame and Title: Linda Miller ignature:	by this manife	Company: D Phone: Company: Phone:	&B Trucking 253-383-3860 Date: Date:	w.)
PCVNS	Transporter #1: (Acknowledgment of receipt of materials) Agent: Address: 1905 E. Lincoln Ave, Tacoma, WA 98421 Signature: Billy Spencer Deb Trucking materials) Agent: (Acknowledgment of receipt materials) Agent: Address: Address: Signature: WA 98421 OSAL: (Certification of receipt of asbestos materials covered waste Disposal Site: WASCO COUNTY LAN Linda Miller	by this manife	Company: D Phone: Company: Phone:	AB Trucking 253-383-3860 Date: Date: ed in item 11 belove Date:	w.) SEP 0 4 2019

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ASBESTOS WASTE SHIPMENT REPORT FORM



PLEASE PRINT OR TYPE. If you have questions, contact your local DEQ Regional Office in Portland 503-229-5364. Salem 503-378-5086, Medford 541-776-6107, Coos Bay 541-269-2721 ext. 222, Bend 541-633-2019, or Pendleton 541-278-4626.

Street Contact person: Seath Street Contractor/Operator's name and address: Walker Specific Street Caste disposal site: N Wasco County Landfill 2550 Steele Road Street Esscribe asbestos materials: Ac M Wasper Contractor/Operator's name and address: Walker Specific Street Contractor/Operator/Ope	Snohomish, WA City/State Phone The Dalles, OR City/State	Phone: 425-806-7 Snohomish County	98291 Zip
PO Box 469 Street Saste disposal site: N Wasco County Landfill 2550 Steele Road Street Street Street	Snohomish, WA City/State Phone The Dalles, OR City/State	Phone: 425-806-7 Snohomish County e: 541-296-4082 Wasco	98291 Zip
PO Box 469 Street aste disposal site: N Wasco County Landfill 2550 Steele Road Street escribe asbestos materials: Ac M Waspe	Snohomish, WA City/State Phone The Dalles, OR City/State	Snohomish County e: 541-296-4082 Wasco	9829 <u>1</u> Zip
Street aste disposal site: N Wasco County Landfill 2550 Steele Road Street escribe asbestos materials: Ac M Wasper	City/State Phone The Dalles, OR City/State	County e: 541-296-4082 Wasco	Zip
aste disposal site: N Wasco County Landfill 2550 Steele Road Street escribe asbestos materials: Ac M Wasper	Phone The Dalles, OR City/State	e: 541-296-4082 Wasco	
2550 Steele Road Street escribe asbestos materials: Ac M Waspe	The Dalles, OR City/State	Wasco	
Street escribe asbestos materials: Ac M Wrs. Pre-	City/State		97058
escribe asbestos materials: Ac M Wespe		County	37030
escribe asbestos materials: Ac M Wispe			Zıp
	& tiping ford	E16045	
ontainers: Number: 26	Туре:	12 mg 401100	
tal quantity (cubic yards):		6 ml Dousk V	
nsport according to all government regulations. All mo pment Record Form.	ovement of this asbestos-co	ontaining material is recor	rded on this Wa
ent: Steel Buckgran	Company	Walker Specialty C	construction
PORTER(S):			
1905 Lincoln Ave, Tacoma WA 98421	Company:		
iress: 1000 Taconia, VVA 98421			
nature:		Date:	
sporter #2: (Acknowledgment of receipt of materials)			
nt:	Company		
ress:	Phone:		
	ERATOR'S CERTIFICATION: I hereby declare to ove by proper shipping name and are classified, packan asport according to all government regulations. All morphent Record Form. The sent: PO Box 469, Snohomish, WA 98291 PORTER(S): Insporter #1: Balkin Splanger your of series was 98421 ress: 1905 2. Incoln Ave, Tacoma WA 98421 ress: Sporter #2: (Acknowledgment of receipt of materials) nt: Press:	ERATOR'S CERTIFICATION: I hereby declare that the contents of this converge by proper shipping name and are classified, packaged, marked and labeled, an apport according to all government regulations. All movement of this asbestos-comment Record Form. Company: PO Box 469, Snohomish, WA 98291 Phone: PORTER(S): Insporter #1: British Spladgreen your accommandation of the company: Tress: 1905 2. Arcoln Ave. Tacomma WA 98421 Phone: Sporter #2: (Acknowledgment of receipt of materials) Int: Company: Company: Phone: Phone:	ERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and according to all government regulations. All movement of this asbestos-containing material is recomposed form. PORTER(S): Insporter #1: BNIknByladananyoftagappraficialisis Int: 1905 Lincoln Ave, Tacoma WA 98421 Tess: 1905 Lincoln Ave, Tacoma, WA 98421

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Date: 8-28-19 WSC Job# A- > 8.7

	ESS 5. DERRHORN St. STAN	City/State	King.	98134
	Contact person: 500 T 57 John			
	Contractor/Operator's name and address: Walker Specialty		Phone: 42	
	GRA -5	Snohomish, WA		
		City/State	County	98291 Zip
	Waste disposal site: N Wasco County Landfill	Phoi	ne: 541-296	•
		The Dalles, OR	Wasco	
	Street	City/State	County	Zin
	Describe asbestos materials: ACH Pipe wrog	Wing / Fitt	195	
	Containers: Number: 76	Туре	21 Pipes	s wropped 12
-	Total quantity (cubic yards): 3 4		5 yella	s wropped 12
5	above by proper shipping name and are classified, packaged, transport according to all government regulations. All moven Shipment Record Form.	nent of this asbestos-	containing materia	ll is recorded on this Waste
F	Agent: JACK Buchanan	Company:	Walker Spe	ecialty Construction
AN T	Address: PO Box 469, Snohomish, WA 98291 SPORTER(S): Transporter #1: (Acknowledgment of receipt of materials)			
Α	Agent:			
Α	Address: 1905 E. Lincoln Ave, Tacoma, WA 98421	Phone	253-383-3860	
	ignature;			
Tr A	ransporter #2: (Acknowledgment of receipt of materials) gent: Billy Spencer / D&B Trucking	Company		
	L. Lincolli Ave. Jacoma WA 08/01			
	Holl MIS			
01	graduc. And		Date:	
209	SAL: (Certification of receipt of asbestos materials covered by this	s manifest except as no	nted in item 11 belov	μ \
	aste Disposal Site: WASCO COUNTY LANDFILL		oted in item 11 belov	.,,
Na	me and Title: Linda Miller	11)1.	Det	SEP 0 4 2019
		Kilbille	Date:	541-296-4082
	gnature:	July me	Phone:	9-11-230-4082
	SCREPANCY SPACE, (Add	/ /		
	SCREPANCY SPACE: (Add attachments as needed)	The state of the s		

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Date: 8-27-17 WSC Job# A-2587

	652 DEARBORN ST S	existic pr	10	5.09	98134
	Contact	City/State		County	Zip
	Contact person: Seatt St John	^ · · · · · · · · · · · · · · · · · · ·	Phone:	C36-257	2500
	Contractor/Operator's name and address: Walker Spe				6-7377
	PO Box 469 Street		WA		
		City/State		County	Zip
	Waste disposal site: N Wasco County Landfill				
	2550 Steele Road Street	The Dalles,	OR	Wasco	
	Describe asbestos materials: Black MASTIC	O A A	m D.	County	Zıp
	Contribute	7170 110	7 6) Complete	
	Containers: Number: 3 Total quantity (cubic yards): 1 1 2		Type.	SS JEC DR	21
	Total quantity (cubic yards):		(1 ,	DO THE WILL	2p5; 1) 2,
	transport according to all government regulations. All r Shipment Record Form.				
	Agent: JACK Buchenan	Co	mpany;	Walker Special	ty Construction
	NSPORTER(S):	15.00.00	T House.	425-806-7377	50 - 11to
	Transporter #1: (Acknowledgment of receipt of materials)				
	Agent:			B Trucking	
	Agent: 1905 E. Lincoln Ave, Tacoma, WA 98421				
	Agent:		Phone: 2	53-383-3860	
	Agent:		Phone: 2	53-383-3860	
	Agent:Address:Address:Address:	711	Phone: 2	53-383-3860 Date:	
	Agent:Address:1905 E. Lincoln Ave, Tacoma, WA 98421 Signature: Transporter # Agent Agent Lincoln Ave, Tacoma WA 98421	Cor	Phone: 2	53-383-3860 Date:	
	Agent:Address:	Cor	Phone: 2	53-383-3860 Date:	
	Agent:Address:	Cor	Phone: 2	53-383-3860 Date:	
	Agent:	Cor	Phone: 2	53-383-3860 Date: Date:	
PC	Agent:	Cor by this manifest, ex	Phone: 2	53-383-3860 Date: Date:	
PO	Agent:	Cor by this manifest, ex	Phone: 2	Date:	
POV	Agent: Address: 1905 E. Lincoln Ave, Tacoma, WA 98421 Signature: Transporter All (Asknowledgment of Frince Ingentials) Agent: 1965 Lincoln Ave, Tacoma WA 98421 Address: Signature: OSAL: (Certification of receipt of asbestos materials covered Waste Disposal Site: WASCO COUNTY LAN	Cor by this manifest, ex	Phone: 2	Date:	SEP 0 4 2019
POV	Agent:	Cor by this manifest, ex	Phone: 2	Date:	SEP 0 4 2019
POV	Agent: Address: 1905 E. Lincoln Ave, Tacoma, WA 98421 Signature: Transporter All (Asknowledgment of Frince Ingentials) Agent: 1965 Lincoln Ave, Tacoma WA 98421 Address: Signature: OSAL: (Certification of receipt of asbestos materials covered Waste Disposal Site: WASCO COUNTY LAN	Cor by this manifest, ex	Phone: 2	Date:	

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Asbestos removal site name and address: Spic - 13 652 5. Departorn 57 Street	SPAHK	LVD K	177	78/30
Contact person SCOTT ST Jak	ity/State	Dhana 200	- 327	~ 00 Z 6
Contractor/Operator's name and address: Walker Specialty				
PO Box 469 S	inohomish, WA	Snoho County	mish	98291 Zip
Waste disposal site: N Wasco County Landfill	,	,	-296-4082	
	he Dalles, OR			97058
Street	ity/State	County		Zip
Describe asbestos materials: UNT And BI	ack M	Potre		
Containers; Number: 3		Type: 1-552	701. DR	va
Total quantity (cubic yards):		Type: 1-552 2 - 12	ML S	TEILOW
Agent: JACK BUCKENEW	Compa	any:		
Address: PO Box 469, Snohomish, WA 98291		hone: 425-		
				- 335 - 37
Address: PO Box 469, Snohomish, WA 98291 NSPORTER(S): Transporter #1: (Acknowledgment of receipt of materials)	P	425-	806-7377	
Address: PO Box 469, Snohomish, WA 98291 NSPORTER(S): Transporter #1: (Acknowledgment of receipt of materials) Agent:	P Compa	hone: 425-	806-7377 ing	
Address: PO Box 469, Snohomish, WA 98291 NSPORTER(S): Transporter #1: (Acknowledgment of receipt of materials) Agent: Address: 1905 E. Lincoln Ave, Tacoma, WA 98421	P Compa P	425- hone:	806-7377 ing 3860	
Address: PO Box 469, Snohomish, WA 98291 NSPORTER(S): Transporter #1: (Acknowledgment of receipt of materials) Agent: Address: 1905 E. Lincoln Ave, Tacoma, WA 98421 Signature:	P Compa P	hone: 425-	806-7377 ing 3860	
Address: PO Box 469, Snohomish, WA 98291 NSPORTER(S): Transporter #1: (Acknowledgment of receipt of materials) Agent: Address: 1905 E. Lincoln Ave, Tacoma, WA 98421 Signature: Transporter #013 Apartice of materials)	P Compa P	hone: 425- ny: D&B Truck hone: 253-383- Date:	806-7377 ing 3860	
Address: PO Box 469, Snohomish, WA 98291 NSPORTER(S): Transporter #1: (Acknowledgment of receipt of materials) Agent: Address: 1905 E. Lincoln Ave, Tacoma, WA 98421 Signature: Transporter #214 Acknowledgment & Bracint of reget in the Company of	Compa Compa P	hone:	806-7377 ing 3860	717
Address: PO Box 469, Snohomish, WA 98291 NSPORTER(S): Transporter #1: (Acknowledgment of receipt of materials) Agent: Address: 1905 E. Lincoln Ave, Tacoma, WA 98421 Signature: Transporter #214 Aparticle of Materials) Agent: 1905 Lincoln Ave, Tacoma WA 98421 Address: Formal WA 98421	Compa Compa	1425- 1425- 1425- 1425- 1525-	806-7377 ing 3860	7.5300
Address: PO Box 469, Snohomish, WA 98291 NSPORTER(S): Transporter #1: (Acknowledgment of receipt of materials) Agent: Address: 1905 E. Lincoln Ave, Tacoma, WA 98421 Signature: Transporter #214 Acknowledgment & Bracint of reget in the Company of	Compa Compa	1425- 1425- 1425- 1425- 1525-	806-7377 ing 3860	7.5300
Address: PO Box 469, Snohomish, WA 98291 NSPORTER(S): Transporter #1: (Acknowledgment of receipt of materials) Agent: Address: 1905 E. Lincoln Ave, Tacoma, WA 98421 Signature: Transporter #214 Aparticle of Materials) Agent: 1905 Lincoln Ave, Tacoma WA 98421 Address: Formal WA 98421	Compa P Compa	hone:	806-7377 ing 3860	7.5300
Address: PO Box 469, Snohomish, WA 98291 NSPORTER(S): Transporter #1: (Acknowledgment of receipt of materials) Agent: Address: 1905 E. Lincoln Ave, Tacoma, WA 98421 Signature: Transporter #2!3 Acknowledgmid & British Ingaterials) Agent: 1905 Lincoln Ave, Tacoma WA 98421 Address: Signature: OSAL: (Certification of receipt of asbestos materials covered by thi	Compa P Compa Pl s manifest, except	hone:	806-7377 ing 3860	
Address: PO Box 469, Snohomish, WA 98291 NSPORTER(S): Transporter #1: (Acknowledgment of receipt of materials) Agent: Address: 1905 E. Lincoln Ave, Tacoma, WA 98421 Signature: Transporter #015 Assawledgmid & Britaint of regaterials) Agent: 1905 Lincoln Ave, Tacoma WA 98421 Address: Signature: DSAL: (Certification of receipt of asbestos materials covered by this waste Disposal Site: WASCO COUNTY LANDFILL	Compa P Compa Pl s manifest, except	hone: 425- hone: D&B Truck hone: 253-383- Date: none: Date:	806-7377 ing 3860	7.5300
Address: PO Box 469, Snohomish, WA 98291 NSPORTER(S): Transporter #1: (Acknowledgment of receipt of materials) Agent: Address: 1905 E. Lincoln Ave, Tacoma, WA 98421 Signature: Transporter #01/ Acknowledgment of receipt of materials) Agent: 1905 Lincoln Ave, Tacoma WA 98421 Address: Signature: OSAL: (Certification of receipt of asbestos materials covered by thi Waste Disposal Site: WASCO COUNTY LANDFILL Name and Title: Linda Miller	Compa P Compa Pl s manifest, except	hone: 425- hone: D&B Truck hone: 253-383- Date: none: Date: tas noted in item 1	806-7377 ing 3860	SEP 0 4 2019
Address: PO Box 469, Snohomish, WA 98291 NSPORTER(S): Transporter #1: (Acknowledgment of receipt of materials) Agent: Address: 1905 E. Lincoln Ave, Tacoma, WA 98421 Signature: Transporter #015 Assawledgmid & Britaint of regaterials) Agent: 1905 Lincoln Ave, Tacoma WA 98421 Address: Signature: DSAL: (Certification of receipt of asbestos materials covered by this waste Disposal Site: WASCO COUNTY LANDFILL	Compa P Compa Pl s manifest, except	hone: 425- hone: D&B Truck hone: 253-383- Date: none: Date: tas noted in item 1	806-7377 ing 3860	7.5.11c

APPENDIX C

Boring Logs

	Fraction	ines		GW	Well-graded GRAVEL Well-graded GRAVEL WITH SAND
200 Sieve	Gravels - More than 50%¹ of Coarse Fraction Retained on No. 4 Sieve	≤5% Fines	000000000000000000000000000000000000000	GP	Poorly-graded GRAVEL Poorly-graded GRAVEL WITH SAND
Coarse-Grained Soils - More than 50%1 Retained on No. 200 Sieve	More than 50 Retained on	≥15% Fines		GM	SILTY GRAVEL SILTY GRAVEL WITH SAND
า 50%1 Reta	Gravels -	≥15%		GC	CLAYEY GRAVEL CLAYEY GRAVEL WITH SAND
More thar	se Fraction	≤5% Fines		SW	Well-graded SAND Well-graded SAND WITH GRAVEL
rained Soils	Sands - $50\%^1$ or More of Coarse Fraction Passes No. 4 Sieve	%5≅		SP	Poorly-graded SAND Poorly-graded SAND WITH GRAVEL
Coarse-G	$50\%^1$ or More Passes No.	≥15% Fines		SM	SILTY SAND SILTY SAND WITH GRAVEL
	Sands -	≥15%		sc	CLAYEY SAND CLAYEY SAND WITH GRAVEL
Sieve	S 70 7 0 0	20%		ML	SILT SANDY or GRAVELLY SILT SILT WITH SAND SILT WITH GRAVEL
re Passes No. 200 Sieve	Silts and Clays -iquid Limit Less than 50%			CL	LEAN CLAY SANDY or GRAVELLY LEAN CLAY LEAN CLAY WITH SAND LEAN CLAY WITH GRAVEL
More Pass	S - Fill 5:	בולמומ		OL	ORGANIC SILT SANDY or GRAVELLY ORGANIC SILT ORGANIC SILT WITH SAND ORGANIC SILT WITH GRAVEL
ils - 50%1 or	lys or More	מו מוסים		МН	ELASTIC SILT SANDY or GRAVELLY ELASTIC SILT ELASTIC SILT WITH SAND ELASTIC SILT WITH GRAVEL
Fine-Grained Soils - 50%1 or Mor	Silts and Clays	PI		СН	FAT CLAY SANDY or GRAVELLY FAT CLAY FAT CLAY WITH SAND FAT CLAY WITH GRAVEL
Fine-	0, 7	ה ה ה ה		ОН	ORGANIC CLAY SANDY OR GRAVELLY ORGANIC CLAY ORGANIC CLAY WITH SAND ORGANIC CLAY WITH GRAVEL
Highly	Organic Soils			PT	PEAT and other mostly organic soils

"WITH SILT" or "WITH CLAY" means 5 to 15% silt and clay, denoted by a "-" in the group name; e.g., SP-SM • "SILTY" or "CLAYEY" means >15% silt and clay • "WITH SAND" or "WITH GRAVEL" means 15 to 30% sand and gravel. • "SANDY" or "GRAVELLY" means >0% sand and gravel. • "Well-graded" means approximately equal amounts of fine to coarse grain sizes • "Poorly graded" means unequal amounts of grain sizes • Group names separated by "/" means soil contains layers of the two soil types; e.g., SM/ML.

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

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

MC = Natural Moisture Content PS = Particle Size Distribution FC = Fines Content (% < 0.075 mm) GH = Hydrometer Test AL = Atterberg Limits C = Consolidation Test Str = Strength Test OC = Organic Content (% Loss by Ignition) Comp = Proctor Test K = Hydraulic Conductivity Test SG = Specific Gravity Test	TS
Organic Chemicals CHEMICAL LAB TES	TS
BTEX = Benzene, Toluene, Ethylbenzene, Xylenes TPH-Dx = Diesel and Oil-Range Petroleum Hydrocarbons TPH-G = Gasoline-Range Petroleum Hydrocarbons VOCs = Volatile Organic Compounds SVOCs = Semi-Volatile Organic Compounds PAHs = Polycyclic Aromatic Hydrocarbon Compounds PCBs = Polychlorinated Biphenyls Metals RCRA8 = As, Ba, Cd, Cr, Pb, Hg, Se, Ag, (d = dissolved, t = total) MTCA5 = As, Cd, Cr, Hg, Pb (d = dissolved, t = total) PP-13 = Ag, As, Be, Cd, Cr, Cu, Hg, Ni, Pb, Sb, Se, Tl, Zn (d=dissolved, t=total)	rtal)
PID = Photoionization Detector FIELD TE	STS
Sheen = Oil Sheen Test	
SPT ² = Standard Penetration Test NSPT = Non-Standard Penetration Test	
DCPT = Dynamic Cone Penetration Test	
Descriptive Term Size Range and Sieve Number COMPONI	NT
Descriptive Term Size Range and Sieve Number COMPONI	
Cobbles = 3 inches to 12 inches	
Coarse Gravel = 3 inches to 3/4 inches	
Fine Gravel = 3/4 inches to No. 4 (4.75 mm) Coarse Sand = No. 4 (4.75 mm) to No. 10 (2.00 mm)	
Medium Sand = No. 10 (2.00 mm) to No. 40 (0.425 mm)	
Fine Sand = No. 40 (0.425 mm) to No. 200 (0.075 mm)	
Silt and Clay = Smaller than No. 200 (0.075 mm)	
% by Weight Modifier % by Weight Modifier ESTIMAT	ED ¹
<1 = Subtrace 15 to 25 = Little PERCENTA	GE
1 to <5 = Trace 30 to 45 = Some 5 to 10 = Few >50 = Mostly	
•	
Dry = Absence of moisture, dusty, dry to the touch MOISTU	DE

D		Alexander of mariety and alexander of the description	MOISTURE
Dry	=	Absence of moisture, dusty, dry to the touch	MIDISTURE
Slightly Moist	=	Perceptible moisture	CONTENT

Moist Damp but no visible water Very Moist Water visible but not free draining

Wet Visible free water, usually from below water table

RELATIVE DENSITY Non-Cohesive or Coarse-Grained Soils

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

Cohesive or Fine-Grained Soils

CONSISTENCY

Manual Test

Consistency ³	SPT ² Blows/Foot
--------------------------	-----------------------------

Very Soft Soft Penetrated >1" easily by thumb. Extrudes between thumb & fingers. = 0 to 1Penetrated 1/4" to 1" easily by thumb. Easily molded. 2 to 4

Medium Stiff = 5 to 8 Penetrated >1/4" with effort by thumb. Molded with strong pressure. = 9 to 15 Stiff Indented ~1/4" with effort by thumb.

Very Stiff = 16 to 30 Indented easily by thumbnail. Hard = > 30 Indented with difficulty by thumbnail.

GEOLOGIC CONTACTS

Observed and Distinct

Observed and Gradual

Inferred



Exploration Log Key

	noc	4			Spic N Spa	n - 060172			Electrode		
14	spec				Project Address & Sit	•			Coordinates (SPN NAD83 ft)	Exploration Num	nber
	N SULTIN	1G			652 S Dear Born				E:1272464.00 N:221101.00 (est	B3	
Co	ontractor	T	Equ	ipment		Sampling Metho	od		Ground Surface Elev. (NAVD88)		
Holt S	ervices Inc	:	CM	1E-85		Grab			51' (est)		
C	perator		Exploration	n Method	(s)	Work Start/Completion	n Dates		Top of Casing Elev. (NAVD88)	Depth to Water (Bel	low G
Johr	n Bennett		12.5-in OD	Hollow- uger	stem	8/30/2019			NA NA	No Water Encou	
				ĎΠ	 Analytical	5,55,2515			''''	I Taker Ericou	
pth Elev. et) (feet)			otes and Details	Sample Type/ID	Sample Number & Lab Test(s)	Field Tests	Material Type		Description		De
+	XXXX								ALT; with base course		1
+ 50	Ne KKKK	eat cen	nent grout				11111	SAND	WITH SILT AND GRAVEL (SP-	SM); slightly	7
	Wi ca	ith pow able	nent grout er supply						rown; 10% fines, fine to medium	sand, 20% fine to	Ρİ
+	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\					PID=11.3		SII TV	g <u>ravel, no odor</u>		1
↓						Sheen=None		fine to m	nedium sand, 10% fine to course	gravel, brick and	`_
	: : #3	3 Sand						concrete	e debris present, no odor		
+											+
5 🗼 🗼											
′											
45											+
<u> </u>		ondus#	ive backfill								
T			ive backtill strode element								T
+								-			+
							1147				
†								SAND	Y SILT WITH GRAVEL (ML); slig	ghtly moist,	\dagger
o∔						PID=7.1			wn; 25% fine to medium sand, 1 orick and concrete debris present		;
						Sheen=None		graver, L	nick and concrete debits present	i, no odoi	
+ 40											†
 											+
†											+
1							WIII				1
											\dashv
5+						PID=5.5			sand, trace fine gravel, no odor	, 20 /0 IIII e (0	t
+ 35						Sheen=None			<u>.</u> .		ļ
†											+
1											1
†											+
o								L			\perp
						PID=2.0 Sheen=None		SILTY	SAND (SM); wet brown; 20% fir sand, trace fine travel, no odor	nes, fine to	
+ 30								moduli	cana, trace into travel, tio odol		+
↓											1
								1			
+											+
1							1111				1
								SVND.	Y SILT (ML); wet, brown; 30% fir		\dashv
5+						PID=1.0		sand, 10	י אונד (ואוב), wet, brown, אפנ, brown, אונד א fine gravel, no odor	io to medialii	t
+ 25						Sheen=None			-		1
-											
†											+
1 I							ШШ				\perp
								Bottom (of exploration at 28 ft. bgs.		
†											+
0 +											1
-											
Leg	end							Cos First	protion Lond Karefor and and		
						er Encountered		See Explo of symbo	oration Log Key for explanation Is	Explorati	or
Type					Water			•		Log	
· -					\			Logged b		В3	
1					1			, , , , , , ,	,	Sheet 1 of 1	

	spect			Spic N	Span	- 060172 Specific Location			Electrode Coordinates (SPN NAD83 ft)		nho-
_	DISULTING			-		t,, Seattle, WA			E:1272480.00 N:221101.00 (es	Exploration Nun	IIDEI
	Contractor	Equ	ipment			Sampling Metho	d		Ground Surface Elev. (NAVD88)	B4	
Holt	Services Inc		1E-85			Grab			50' (est)		
	Operator	Exploration 12.5-in OF	n Method	d(s) -stem	W	ork Start/Completion	n Dates		Top of Casing Elev. (NAVD88)	Depth to Water (Be	low GS)
	nn Bennett	12.5-in OD A		Analytica	al	8/29/2019	Ī		NA NA	No Water Encou	
Depth Elev. (feet) (feet)	Exploration Completio	Notes and n Details	Sample Type/ID	Sample Num Lab Test(nber &	Field Tests	Mater Typ	e	Description		Depti (ft)
10 - 40 15 - 35 20 - 30 25 - 25 30 - 20 Let	Neat c with pc cable #3 Sar	ement grout ower supply				PID=5.0 Sheen=None PID=4.7 Sheen=None PID=3.8 Sheen=None PID=2.3 Sheen=None	Σφ	ASPH. SAND moist, b course, SAND medium	ALT; with base course WITH SILT AND GRAVEL (SP rown; 10% fines, fine to mediur gravel, no odor Y SILT (ML); moist, gray-brown a sand, 10% gravel, brick debris VITH SAND (ML); very moist, br a sand, trace gravel, no odor SAND (SM); wet, brown; 25% for sand, trace fine gravel, no odor Y SILT (ML); wet, brown; 30% so	in sand, 15% fine to	1
30 - 20								Bottom	of exploration at 28 ft. bgs.		-30
Le	gend				o Water	Encountered		See Expl	oration Log Key for explanation	Explorati Log	on
Sample Type				Water				Logged l Approve	by: DRB d by: DIM	B4 Sheet 1 of	1

	spect			Spic N S	Span	- 060172 Specific Location			Electrode Coordinates (SPN NAD83 ft)	Log Exploration Numb	her
6 c	ONSULTING					t,, Seattle, WA			E:1272495.00 N:221101.00 (es		JO1
	Contractor	Equ	ipment			Sampling Metho	d		Ground Surface Elev. (NAVD88)	[™] B5	
Holt	t Services Inc		1E-85			Grab			50' (est)		
	Operator	Exploration 12.5-in OD A	on Method Hollow	d(s) -stem	И	/ork Start/Completion	n Dates		Top of Casing Elev. (NAVD88)	Depth to Water (Below	
Jo Depth Elev	ohn Bennett Exploration			Analytica	al	8/29/2019 Field Tests	Materia	1	NA Description	No Water Encount	Dept
(feet) (fee	ev. Exploration Completion	on Details	Sample Type/ID	Lab Test(s	s)	Field Tests	Туре		·		(ft)
5 + 45	#3 Sa	ement grout ower supply and ictive backfill lectrode element				PID=11.6 Sheen=None PID=7.4 Sheen=None		SAND fines, fine	ALT; with base course WITH GRAVEL (SP); slightly me to medium sand, 20% fine to im-like odor Y SILT (ML); slightly moist, grayum sand, 10% gravel, brick and no odor	course gravel, brown; 30% fine	- 5 - 10 - 10 - 1
15 + 35	5					PID=5.6 Sheen=None					-15 -
20 - 30	0					PID=2.7 Sheen=None		SILTY 20% fin	SAND WITH GRAVEL (SM); ve es, fine to medium sand, 20% fi	ery moist, brown; ne gravel	-20 -
20 + 30 20 + 25 25 + 25 25 + 25	5					PID=1.3 Sheen=None		Bottom	of exploration at 28 ft. bgs.		- -25 -
											+
30 - 20	0									-	-30
Sample Type	egend		1 1	Water Level	o Water	Encountered		of symbol Logged I		Exploratio Log B5 Sheet 1 of 1	on .

	spec	t		Spic N Spar	n - 060172			Electrode Coordinates (SPN NAD83 ft)	Log Exploration Number
€ c	ONSULTIN	-		652 S Dear Born S				E:1272456.00 N:221087.00 (es	1 '
	Contractor	Equ	iipment		Sampling Metho	od		Ground Surface Elev. (NAVD88)	- C3
Holt	It Services Inc		/IE-85		Grab			50' (est)	
	Operator	Exploration 12.5-in OD A	on Method Hollow	d(s) -stem	Work Start/Completion	n Dates		Top of Casing Elev. (NAVD88)	Depth to Water (Below GS
Depth Ele	ohn Bennett Exploration			Analytical	8/29/2019 Field Tests	Material		NA Description	No Water Encountered
(feet) (fee	et) Comple	on Notes and etion Details	Sample Type/ID	Lab Test(s)	Field Tests	Туре		<u> </u>	(ft)
5 - 48	#3 s	at cement grout n power supply le Sand nductive backfill n electrode element			PID=11.2 Sheen=None PID=8.6 Sheen=None		SAND fines, fine	ALT; with base course WITH GRAVEL (SP); slightly me to medium sand, 20% gravel, Y SILT (ML); slightly moist, gray, am sand, 10% fine gravel, brick aresent, no odor CLAY (CL-ML); moist, gray; 20% ace gravel, no odor	no odor brown; 25% fine and concrete 10
Sample Sa					PID=2.0 Sheen=None			Y SILT WITH GRAVEL (ML); we um sand, 15% fine gravel, no od	
25 - 25	5				PID=1.7 Sheen=None				- -25 -
							Bottom	of exploration at 28 ft. bgs.	
30 - 20	0								-30
	.egend								
Sample Type	9			Water Level	er Encountered		of symbo		Exploration Log C3 Sheet 1 of 1

	A		L			Spi	c N Spai	n - 060172			Electrode		
		spe				Projed	ct Address & Site	e Specific Location			Coordinates (SPN NAD83 ft)	Exploration Nun	nber
		ontractor	ING	Faui	pment	652 \$	S Dear Born S	St,, Seattle, WA Sampling Metho	nd .		E:1272471.00 N:221087.00 (es Ground Surface Elev. (NAVD88)	^{t)} C4	
		Services I	lno		E-85			Grab	u		50' (est)		
		Operator	ITIC	Exploratio		d(s)		Work Start/Completion	n Dates		Top of Casing Elev. (NAVD88)	Depth to Water (Bel	low GS)
		n Bennet	tt	12.5-in OD	Hollow uger	/-stem		8/29/2019	. 2 01.00		NA	No Water Encou	
Depth (feet)	Elev.	Exp		lotes and	Sample Type/ID	Sam	Analytical ple Number &	Field Tests	Materia Type	al	Description		Depth (ft)
_			Neat ce with pov	ment grout wer supply			ab Test(s)			ASPH/ SAND	ALT; with base course WITH GRAVEL (SP); slightly me to medium sand, 20% fine to	noist, brown; >5% course gravel, no	
5 -	- - 45 -		#3 Sand					PID=11.4 Sheen=None		SAND gray-bro	Y SILT WITH GRAVEL (ML); sli own; 30% fine to medium, trace vel, no odor	ghtly moist, course, sand, 15%	- 5
- - - 15-	- 40 - 35							PID=7.3 Sheen=None		SILTY sand, tra	CLAY (CL-ML); moist, gray; 20 ace gravel, no odor	% fine to medium	-10 -10
20-	30							PID=1.8 Sheen=None			Y SILT (ML); wet, brown; 25% f 0% fine gravel, no odor	ne to medium	20
20	-							PID=0.8 Sheen=None		Bottom	of exploration at 28 ft. bgs.		-25
Sample	Leg	gend				Water Level	No Wate	er Encountered		of symbol Logged b		Explorati Log C4 Sheet 1 of 1	on

	spect			Spic Project A	N Spar	n - 060172			Electrode Coordinates (SPN NAD83 ft)	Log Exploration Num	nhor
I 🔺	ONSULTING			•		St,, Seattle, WA			E:1272487.00 N:221087.00 (es		IIVUI
	Contractor	Equ	ipment			Sampling Metho	d		Ground Surface Elev. (NAVD88)	C 5	
	Services Inc		1E-85			Grab			50' (est)		
	Operator	Exploration 12.5-in OD A	on Method Hollow	d(s) -stem	ı	Nork Start/Completion	n Dates		Top of Casing Elev. (NAVD88)	Depth to Water (Bel	
Depth Elev.	nn Bennett Exploration Completio			Ana	ılytical Number &	8/28/2019 Field Tests	Materia	al	NA Description	No Water Encou	ntered Depti
(feet) (feet)) Completio	n Details	Sample Type/ID	Lab	Test(s)	Tielu Tests	Туре		·		(ft)
5 - 45 - - - 10 - 40 - - 15 - 35	Neat c with pc cable #3 Sar Condu with el	ement grout ower supply		Lab	rest(s)	PID=1.6 Sheen=None		SAND fines, fin odor SAND 30% fin	ALT; with base course WITH GRAVEL (SP); slightly me to medium sand, 15% fine to Y SILT (ML); slightly moist to me to medium, with trace course, course gravel, brick and concrete	course gravel, no bist, gray-brown; sand, 10 - 15%	, , , ,
20 - 30						PID=0.5 Sheen=None		medium	SAND (SM); wet, brown; 20% for sand, trace gravel, no odor		20
25 - 25						PID=0.6 Sheen=None			0% gravel, no odor		-25 -
30 - 20								DOLLOR	of exploration at 28 ft. bgs.		-30
20 - 30 	gend			Water	No Wate	r Encountered		of symbol Logged I		Exploration Log C5 Sheet 1 of 1	

	cna				Shic is Sh	oan - 060172			Electrode		
	spe				Project Address &	Site Specific Location			Coordinates (SPN NAD83 ft)	Exploration Num	nber
Oc	วห ้ รบเтเ	ING			652 S Dear Bo	rn St,, Seattle, WA		I	:1272503.00 N:221087.00 (es	C6	
(Contractor		Equ	ipment		Sampling Meth	od		Ground Surface Elev. (NAVD88)		
Holt	Services In	nc	CM	1E-85		Grab			50' (est)		
	Operator		Exploration		(s)	Work Start/Completion	on Dates		Top of Casing Elev. (NAVD88)	Depth to Water (Bel	low G
	hn Bennett		12.5-in OD	Hollow-	stem	8/28/2019				No Water Encou	
			A	uger	Apolitical	0/28/2019			NA NA	INO VVAIEI ENCOU	
pth Elev et) (feet	Explo	oration N	lotes and Details	Sample Type/ID	Analytical Sample Number	& Field Tests	Material Type		Description		De _l
	X/24X	,	***	,,,,,,,,	Lab Test(s)		.,,,,,	ASPH4	ALT; with base course		+
		Noot ac	ment grout				,		(SP); slightly moist, brown to gra	av-brown: <5%	-1
T		with pov	ment grout wer supply					fines, fir	e to medium sand, trace gravel,	no odor	$ \bot $
+	(XXXX)	Cabic				PID=4.8		SAND	SILT (ML); slightly moist, gray-	brown20% fine to	-
						Sheen=None			(trace course) sand, trace fine of debris present, no odor	gravel, brick and	
Ť		#3 Sand	i					55,15,660			T
+											+
_											
5 + 45											+ :
1											1
†			tive backfill ctrode element								+
1											1
						PID=6.4 Sheen=None					
+											+
0 + 40											1
"											
+											+
1											1
+											+
1							ЩЩ				
T								L_=			\bot
5 + 35						PID=10.0		SILTY	CLAY (CL-ML); moist, gray; 20% ace gravel, no odor	√o Tine to medium	+1
						Sheen=None		53114, 116	Javo, no odoi		
Ţ											Γ
+											+
								SAND	SILT (ML); very moist, brown;	20% fine to	7
Ţ						PID=2.4 Sheen=None		medium	sand, 10% gravel, no odor		Τ
+											+
0+30].
u 30											+:
+							11111				+
								SILTY	SAND (SM); wet, brown; 15% fi	 nes, fine to	\dashv
Ţ								medium	sand, 10% fine gravel, no odor		Γ
+											+
]			
Ţ								<u> </u>	·		\perp
5 25								SAND\ sand, no	SILT (ML); wet, brown; 25% file	ne to medium	+2
								Janu, IIC	, odol		
†											T
+											+
†								Bottom o	of exploration at 28 ft. bgs.		\top
+									-		+
0 + 20											+;
1_	<u> </u>										
	gend				No M	/ater Encountered			oration Log Key for explanation	Explorati	iom
Type					Water	ater Encountered		of symbo		Log	JII
. 4					[≼ <u>a</u>					_09	
[2]					ادّ≲			Logged b		C6	

N A	cno	~ ‡			Spic N S	pan - 060172			Electrode		
1	spe				Project Address	& Site Specific Location			Coordinates (SPN NAD83 ft)	Exploration Nu	ımber
	NSULTI	ING			652 S Dear B	orn St,, Seattle, WA			:1272463.00 N:221074.00 (es	D4	
Ċ	ontractor		Equ	ipment		Sampling Meth	od	_	Ground Surface Elev. (NAVD88)	54	
Holt S	Services In	nc	CM	IE-85		Grab			51' (est)		
(Operator		Exploration	n Method	(s)	Work Start/Completion	n Dates		Top of Casing Elev. (NAVD88)	Depth to Water (Be	elow G
Joh.	n Bennett		12.5-in OD	Hollow- uger	stem	8/27/2019			NA NA	No Water Enco	
				Ĭ	Analytical	5,21,2010			''''	1 rater Endo	
oth Elev. et) (feet)		oration N mpletion	lotes and Details	Sample Type/ID	Sample Number	er & Field Tests	Material Type		Description		De (
+	XXXV				(0)			ASPHA	ALT; with base course		
+ 50		Neat ce	ment grout				\	SAND	(SP); slightly moist, brown; >5%	fines, fine to	
		with pov cable	ment grout wer supply						sand, trace fine gravel, no odor		_
†						PID=7.6		SILIY	SAND WITH GRAVEL (SM); sli wn; 20% fines, fine to medium s	ghtly moist, and 15% fine	+
1						Sheen=None		gravel, b	rick debris present, no odor	aria, 1070 mile	1
		#3 Sand	t								
+											+
. 📗											1
								-			
+ 45							1111				+
1		Conduct	tive backfill					SILTY	SAND (SM); moist, gray; 20% fi	 nes, fine to	-1
		with ele	ctrode element			PID=16.3 Sheen=None		medium	sand, 10% fine to course gravel	, brick debris	
+								present,	NO OUOI		+
1											
											Γ
+											+
10											
+ 40								L	OLAY (OLAY)		- 4
+						PID=9.8		SILTY gravel, r	CLAY (CL-ML); very moist, gray	; trace sand and	+
						Sheen=None		gravoi, i	0 0001		
T											T
+											+
_											
5+											T
35						PID=10.2					+
						Sheen=None					
1											†
+											+
†											†
o						PID=9.6	1111/1		CAND (CNA) 5 050' S		- 4
						Sheen=None		Medium	SAND (SM); wet, brown; 25% fi sand, 10% fine gravel, no odor	nes, tine to	
+ 30									, 10.70 IIIIO gravoi, 110 0001		†
+											+
								1			
†						PID=10.2 Sheen=None					†
+						Sileen=inone		-			1
5+											t
25						DID-7.6					+
						PID=7.6 Sheen=None					
Ť								1			†
+								Dett	of symbol district OO for 1		4
								Bottom	of exploration at 28 ft. bgs.		
†											†
o 											+
Leç	gend							See Evol	oration Log Key for evolunation		
0						Nater Encountered		of symbo			ion
ğ					Vate eve			-			
-					>			Approved		Sheet 1 of	
Type	,ou				Water Level	Water Encountered		of symbo	y: DRB	Explorat Log D4	

	Δ	spe	ct			Spi	c N Spar	n - 060172				Electrode Coordinates (SPN NAD83 ft)	Exploration Num	nher
		NSULTI				-		St,, Seattle, WA				E:1272479.00 N:221074.00 (es	· ·	io o i
	C	ontractor		Equ	ipment			Sampling Metho	d			Ground Surface Elev. (NAVD88)	_ Da	
Н		Services In	IC		1E-85	//)		Grab	D (50' (est)	D # / W / /D /	001
		Operator		Exploration 12.5-in OD A	n Meth Hollo	od(s) v-stem		Work Start/Completion	n Date	S		Top of Casing Elev. (NAVD88)	Depth to Water (Bel	
Depth I	Elev.	n Bennett Explo	ration N	lotes and	Sampl	e sam	Analytical ple Number &	8/27/2019 Field Tests	Mate	erial		NA Description	No Water Encou	Depti
(feet)	(teet)	Con	npletion	Details	Type/II		ab Test(s)		ly	ре	ASPH/	ALT; with base course		(ft)
+			Neat ce	ment grout wer supply						Λ.	SAND	(SP); slightly moist, brown; <5% sand, 10% fine gravel, no odor	6 fines, fine to	7
+		\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	cablė #3 Sand					PID=24.3 Sheen=None			SAND' medium	Y SILT (ML); slightly moist, gray sand, 15% fine gravel, brick ar no odor	r: 20% fine to	
5 -	45		Conduc	tive backfill				PID=17.5 Sheen=None						- 5 -
 -			with ele	ctrode element				PID=11.4 Sheen=None						
10-	40							PID=16.7 Sheen=None			SILTY sand, tra	CLAY (CL-ML); moist, gray; tra	ce fine to medium	+10 +
15-	35							PID=12.3 Sheen=None						- -15 -
20+	30							PID=2.6 Sheen=None				SAND WITH GRAVEL (SM); wes, fine to course sand, 15% fin		
25-	25							PID=1.7 Sheen=None				Y SILT WITH GRAVEL (ML); w um sand, 15% fine gravel, no oc		25
	00										Bottom	of exploration at 28 ft. bgs.		
30+	∠U													-30
Sample 20 + + + + + + + + + + + + + + + + + +	Leg	jend				Water	No Wate	r Encountered	•		of symbo		Exploration Log D5 Sheet 1 of 1	

	Λ.					Spi	c N Spar	า - 060172			Electrode		
		she	CT			Projed	ct Address & Site	e Specific Location			Coordinates (SPN NAD83 ft)	Exploration Num	nber
		ontractor	ING	Faut	ipment	652 \$	S Dear Born S	St., Seattle, WA Sampling Metho	ıd		E:1272495.00 N:221074.00 (es Ground Surface Elev. (NAVD88)	^{t)} D6	
									u		, , ,		
		Services I Operator	HU	Exploratio	IE-85 n Metho	d(s)	1	Grab Work Start/Completion	n Dates		50' (est) Top of Casing Elev. (NAVD88)	Depth to Water (Belo	ow GSI
		n Bennet	t	12.5-in OD				8/27/2019	_ 0.00		NA	No Water Encour	
Depth	Elev.			lotes and	Sample	Cam	Analytical pple Number &	Field Tests	Mater	ial	Description	140 VVator Eriocal	Depti
(feet)	(feet)	Ċo	mpletion	Details	Type/ID	, Caiii	_ab Test(s)	Tield Tests	Тур	e	ALT; with base course		(ft)
5 10	- 45 - 45		#3 Sanc	ment grout wer supply				PID=5.5 Sheen=None PID=2.1 Sheen=None		SAND to course concrete	(SW); slightly moist, brown; <5%; sand, no odor Y SILT WITH GRAVEL (ML); moist sand, 20% fine to course grave debris present, no odor SAND (SM); moist, gray; 15% for sand, 10% fine gravel, slight characteristics.	pist, gray; 20% fine el, brick and	- 5
	- 35							PID=12.3 Sheen=None		SILTY trace fir	CLAY (CL-ML); very moist, gray e to course sand, trace fine grav	/ to dark brown; /el, no odor	- - -15
20 - - - -	- 30							PID=34.0 Sheen=None		SILTY sand, 1	SAND (SM); wet, brown; 25% fi 0% fine gravel, no odor	ines, fine to course	20
20-	-							PID=1.8 Sheen=None PID=1.7 Sheen=None		Bottom	of exploration at 28 ft. bgs.		-25 - - - - - - - - 30
_	1.5	iond											
Sample		gend Jend				Water Level	No Wate	er Encountered		of symbol Logged I		Exploration Log D6 Sheet 1 of 1	

	spect			Spic N Sp	oan - 060172 Site Specific Location			Electrode		aha:
	ONSULTING			•	rn St,, Seattle, WA			Coordinates (SPN NAD83 ft) E:1272511.00 N:221073.00 (es	Exploration Num	INAL
	Contractor	Equ	ipment	002 0 200 20.	Sampling Metho	od		Ground Surface Elev. (NAVD88)	[™] D7	
Holt	Services Inc	CM	1E-85		Grab			51' (est)		
	Operator	Exploration 12.5-in OD	on Method	d(s)	Work Start/Completio	n Dates		Top of Casing Elev. (NAVD88)	Depth to Water (Bel	ow GS)
Joh	nn Bennett	12.5-in OD A	uger	· '	8/23/2019	_		NA	No Water Encou	ntered
Depth Elev (feet) (feet	Exploration I Completion	Notes and n Details	Sample Type/ID	Analytical Sample Number of Lab Test(s)	& Field Tests	Materia Type	I	Description		Depti (ft)
	Name of							ALT; with base course WITH GRAVEL (SP): slightly m	oist brown10%	4
Sample Sample Priority (10N 1091 Fight of 10N 10N 1091 Fight of 10N	#3 San	ement grout wer supply d ctive backfill actrode element			PID=30.1 Sheen=None PID=15.6 Sheen=None PID=17.3 Sheen=None PID=9.0 Sheen=None		SAND gray-broconcrete	SAND WITH GRAVEL (SM); where to medium sand, 15% fine gray SILT (ML); slightly moist to very sown; 20% fine to medium sand, e and brick debris present @ 2.5 fine to medium sand, 15% fine to the to medium sand, 15% fine to the total sand sand, 15% fine to the total sand sand sand sand sand sand sand sand	et, brown; 15%	- 5 - 5 - 10 - 15 20 25
+ 25							Bottom	of exploration at 28 ft. bgs.		-30
Le	gend						See Evel	oration Log Koy for evaluation	_	
Sample Type				Water Level A oo	ater Encountered		of symbol Logged I		Exploration Log D7 Sheet 1 of 1	

	Λ.		_L			Spi	c N Spar	n - 060172 e Specific Location			Electrode		
		spe									Coordinates (SPN NAD83 ft)	Exploration Nun	nber
		ontractor	ING	Ear	ipment	652	S Dear Born S	St,, Seattle, WA Sampling Metho	nd		E:1272456.00 N:221061.00 (es Ground Surface Elev. (NAVD88)	[₽] E4	
								Grab	ıu				
		Services I Operator	TIC	Exploratio	IE-85 n Metho	nd(s)	1	Work Start/Completio	n Dates		50' (est) Top of Casing Elev. (NAVD88)	Depth to Water (Bel	low GS)
		n Bennet	t	12.5-in OD	Hollow uger	v-stem		8/23/2019	Datoo		NA	No Water Encou	•
Donth				lotes and	Ť		Analytical ple Number &		Motoria			140 Water Erioda	Depth
Depth (feet)	(feet)	Co	mpletion	Details	Sample Type/ID	Sam L	iple Number & _ab Test(s)	Field Tests	Materia Type		Description		(ft)
5 10	45 - 45 - 35 - 30 - 30	c.	Neat ce with por cable #3 Sand	Details ment grout wer supply	Type/IC	Sam L	ple Number & .ab Test(s)	PID=28.1 Sheen=None	Type	SILT V medium present	ALT; with base course VITH SAND (ML); slightly moist, and, 15% fine gravel, brick and, no odor	ee fine to medium	- 10 - 15 - 20 - 25
	- 20							PID=1.5 Sheen=None			of exploration at 28 ft. bgs.		-30
-	Leg	jend				1				Con First	oration Log Kay for symles -4'		
Sample						Water Level	No Wate	er Encountered		of symbol Logged b		Explorati Log E4 Sheet 1 of 2	

	Λ	Spe	20+			Spic N Spar	n - 060172			Electrode		
7						Project Address & Site	•			Coordinates (SPN NAD83 ft)	Exploration Nun	nber
_		ON SUL		-		652 S Dear Born S		<u> </u>		E:1272471.00 N:221060.00 (es Ground Surface Elev. (NAVD88)	E5	
		Contractor			ipment		Sampling Method	ı				
ı		Services	Inc		1E-85	()	Grab	D /		51' (est)		
		Operator		Exploration 12.5-in OD	on Method	(s) stem	Work Start/Completion	Dates		Top of Casing Elev. (NAVD88)	Depth to Water (Be	
_	Joh	n Benne	ett	12.5-in OD A	uger		8/22/2019	1		NA	No Water Encou	ınter
pth et)	Elev. (feet)	Ex	φloration I Completion	Notes and n Details	Sample Type/ID	Analytical Sample Number & Lab Test(s)	Field Tests	Material Type		Description		D
٦			9					.,,,,,		ALT; with base course		\downarrow
+	50		Neat ce	ement grout ower supply					SILTY	SAND WITH GRAVEL (SM); sli	ghtly moist, brown	ı;
			cable	moi suppiy					gravel, r	es, fine to medium sand, 15% fir no odor	ie io course	
							PID=15.1 Sheen=None					4
+	†								medium	VITH SAND (ML); slightly moist, sand, 10% fine to course grave	gray, ∠u% fine to I, brick debris	+
	1		#3 San	iu						no odor		1
5 -	t						PID=10.2 Sheen=None					+
-	45						Sileen-None					+
			Carret	otivo haakeli								
				ctive backfill ectrode element								T
-	+											+
	1											1
0-	t											t
4	40						PID=20					+
							Sheen=None					
1	Ī								<u></u> -			_
+	+						PID=14			(CL); moist, gray; trace fine to m s debris present, no odor	nedium sand, some	e
	1						Sheen=None		or garnos	adding produint, no oddi		
												T
5-	t											t
	35							V////				1
-	Ť											†
+	-						PID=13.7					+
							Sheen=None					
٦												T
0-	+								SILTV	VITH SAND (ML); very moist to		+
	30								brown;	15% fine to medium sand, 10% f	fine gravel	1
-	t											†
+	-						PID=4.4					+
							Sheen=None					
1												T
5-	+											+
	25											1
1	t						PID=2.8 Sheen=None					†
4	-						Sileen-None	ЩЩ	Rottom	of exploration at 28 ft. bgs.		4
									DOMOM	or exploration at 20 ft. bgs.		
1	Ī											T
0-	-											+
	Lec	gend										
,		₃ 0.14					er Encountered			oration Log Key for explanation	Explorati	OI
Type	2					Water			of symbo		Log	
<u> </u>	-					× ¥			Logged b	by: DRB d by: DIM	E5	
	1					I			, thhi over	a ~ y . Diivi	Sheet 1 of	1

	Δ	cm/	ect			Spic N Spar	n - 060172			Electrode				
						Project Address & Site	•			Coordinates (SPN NAD83 ft)	Exploration Nu	mber		
		NSUL		-		652 S Dear Born S		4		E:1272487.00 N:221060.00 (es Ground Surface Elev. (NAVD88)	^{t)} E6			
		Contracto			ipment		Sampling Metho	u						
		Services			1E-85	(a)	Grab	Dat-		51' (est)	Don'th to 14/ / /2			
		Operator		Exploration 12.5-in OD	n Method Hollow-	(S) stem	Work Start/Completion	Dates		Top of Casing Elev. (NAVD88)	Depth to Water (Be			
	Joh	n Benn	ett	12.5-in OD A	uger		8/22/2019	1	1	NA NA	No Water Encou	untere		
oth et)	Elev. (feet)	E	xploration I Completion	Notes and n Details	Sample Type/ID	Analytical Sample Number & Lab Test(s)	Field Tests	Material Type		Description		De (1		
			8					[*] * *		ALT; with base course		\overline{A}		
-	50		Neat ce	ement grout ower supply			PID=0.5		SAND	WITH SILT (SP-SM); slightly medium sand, trace fine gravel, r	oist, gray grown;	+		
_			cable	жог бирргу			Sheen=None		-	nedidiri sarid, trace fille graver, r	io odoi			
									-					
-	t		.]									+		
_	1		#3 San	ıa					-			1		
									L	VITH SAND (ML); moist, gray br		\dashv		
5 -	†						PID=14 Sheen=None			e gravel, trace brick debris, no o		+		
-	45						Sneen≓None					+		
]]]				
-	Ť			ctive backfill ectrode element								†		
_	+						PID=8.3					+		
							Sheen=None							
									L			1		
0-	t						PID=24.7		sand, fir	CLAY (CL-ML); moist, gray browne gravel, no odor	wii; trace fine	+		
_	40						Sheen=None		.,	· · · · · · · · · · · · · · · · · · ·		1		
-	t											+		
_	1													
-	†								<u></u>			土		
5-	-								CLAY	(CL); very moist, gray blue; trace ace gravel, no odor	e fine to course	+		
	35								sanu, tr	ace graver, no odor				
_	35						PID=19.2 Sheen=None					T		
-	+											+		
_	1													
												Γ		
-	†											+		
0-	1								1			4		
-							PID=11.2 Sheen=None		SILT V	VITH SAND (ML); very moist, gravel, no odor	ay; fine to mediun	n		
-	30								Janu, gi	aron, no odol		+		
_	1											1		
-	Ī						PID=4.0 Sheen=None					†		
-	+											+		
5-										WITH SILT (SP-SM); wet, brow	n; fine to medium	7		
J-	[PID=3.1 Sheen=None			ace gravel, no odor		T		
-	25	25										+		
_	1]			1		
							PID=1.1 Sheen=None							
-	t							1.111	Bottom	of exploration at 28 ft. bgs.		\dagger		
-	-									-		+		
^														
0-												Ť		
	Le	gend						1	See Fynl	oration Log Key for explanation				
2 4	,						er Encountered		of symbo		Explorati	ior		
Type	2					Water			Logged b		Log E6			
)						> -				d by: DIM	Sheet 1 of	1		
	•					•					JIICEL I OI	1		

	spect			Spic N Spar	n - 060172			Electrode Coordinates (SPN NAD83 ft)		aho:
I 🔺	DNSULTING			652 S Dear Born	•			Coordinates (SPN NAD83 π) E:1272501.00 N:221060.00 (es	Exploration Num t)	in c l
	Contractor	Equ	iipment	OOL G Boar Born	Sampling Metho	od		Ground Surface Elev. (NAVD88)	E7	
Holt	Services Inc	CM	1E-85		Grab			51' (est)		
	Operator	Exploration 12.5 in OC	on Method	d(s)	Work Start/Completion	n Dates		Top of Casing Elev. (NAVD88)	Depth to Water (Beld	ow GS)
Joh	nn Bennett	12.5-in OD A	uger	Analytical	8/21/2019	1	I	NA	No Water Encou	
Depth Elev		Notes and n Details	Sample Type/ID	Sample Number & Lab Test(s)	Field Tests	Material Type		Description		Depti (ft)
- 50 - - -	Neat co with po cable	ement grout wer supply			PID=0.0 Sheen=None		SAND medium	ALT; with base course WITH SILT (SP-SM); slightly me sand, fine to course gravel, trace bris, no odor	oist, brown; fine to e concrete and	- - - -
5 - - 45 -		ctive backfill ectrode element	ł.		PID=0.2 Sheen=None					- 5 - -
10 - - 40 -					PID=0.9 Sheen=None		SILT V	VITH SAND (ML); moist, brown; vel, concrete debris, no odor	fine sand, trace	- - 10 -
15 - - 35 -					PID=0.0 Sheen=None					- - - 15 - -
20 - 30					PID=0.0 Sheen=None PID=0.0 Sheen=None			WITH SILT (SP-SM); very mois um sand, trace gravel, trace cond		20
25 - - 25 -					PID=0.0 Sheen=None		SILT V	VITH SAND (ML); wet, gray brov vel, no odor	vn; fine sand, trace	- - - - -
30-					PID=0.0 Sheen=None		Bottom	of exploration at 28 ft. bgs.		-30
20 - 30 - 4 - 25 - 25 - 25 - 25	gend			Mo Water Level	er Encountered		See Explored See E	y: DRB	Exploration Log E7 Sheet 1 of 1	

A	spect			Spic N Spa	n - 060172			Electrode Coordinates (SPN NAD83 ft)	Log Exploration Number
	ONSULTING			652 S Dear Born	St,, Seattle, WA			E:1272515.00 N:221059.00 (es	1 '
	Contractor		iipment		Sampling Metho	od		Ground Surface Elev. (NAVD88)	LO
	Services Inc		1E-85	-1(-)	Grab	- D-4		51' (est)	Death to Water (Dalors 00
	Operator nn Bennett	Exploration 12.5-in OD A	On Method Hollow	a(s) -stem	Work Start/Completion 8/20/2019	n Dates		Top of Casing Elev. (NAVD88)	Depth to Water (Below GS
Depth Elev	. Exploration	Notes and	Sample Type/ID	Analytical	Field Tests	Materia	ı	NA Description	No Water Encountered
(feet) (feet)	Completio	n Details	Type/ID	Lab Test(s)		Туре	ASPH	ALT; with basecouse	(ft)
- 50 -	Neat country with pocable	ement grout wer supply			PID=0.0 Sheen=None		SILTY	SAND (SM); slightly moist, brow ace fine to course gravel, no odd	
5 + +45	#3 Sar	d			PID=0.0 Sheen=None PID=0.0 Sheen=None		SAND trace fin	(SP); slightly moist, brown; fine e gravel, brick fragments, no od	to medium sand, 5
- -	Condu	ctive backfill ectrode element	i		PID=0.0 Sheen=None				-
10					PID=0.0 Sheen=None		SILT V medium	VITH SAND (ML); slightly moist, sand, fine to course gravel, no	brown; fine to odor
15 - - 35					PID=0.0 Sheen=None		SILT (I trave gra	ML); moist, dark gray; trace fine avel, some organics interbedded	to medium sand, , no odor
20 30					PID=0.0 Sheen=None PID=0.0 Sheen=None			VITH SAND (ML); very moist, br sand, trace fine to course grave	
25 25									-25 -
30-							Bottom	of exploration at 28 ft. bgs.	-30
Sample Sa	gend			No Water Page 1	er Encountered		of symbo		Exploration Log E8 Sheet 1 of 1

	cnact			Spic N Spa	n - 060172			Electrode		
	Spect SNSULTING				Site Specific Location St., Seattle, WA			Coordinates (SPN NAD83 ft) E:1272430.00 N:221046.00 (es	Exploration Numb	oer
	Contractor	Egu	ipment	652 S Dear Born	Sampling Metho	od		Ground Surface Elev. (NAVD88)	^{‡)} F3	
Holt	Services Inc	CME 850X		ounted	Grab			51' (est)		
	Operator	Exploration	n Method	d(s)	Work Start/Completio	n Dates		Top of Casing Elev. (NAVD88)	Depth to Water (Belo	w GS)
Du	stin Smith	12.5-in OD Aı	Hollow- uger		11/12/2019)		NA	No Water Encoun	tered
Depth Elev	Exploration Completio	Notes and n Details	Sample Type/ID	Analytical Sample Number & Lab Test(s)	Field Tests	Materia Type	I	Description		Depth (ft)
(feet) (feet) - 50 45 45 45 40 40	Neat c with pc cable #3 San Condu with el	ement grout ower supply		Sample Number & Lab Test(s)	PID=4.7 Sheen=None PID=11.6 Sheen=None PID=5.2 Sheen=None	Materia	ASPHA SAND moist, b gravel, r SAND to media	ALT; with base course WITH SILT AND GRAVEL (SP- brown; <10% fines, fine to mediu	brown; 25% fine brown; 25% fine is present, no odor	- 10 - 15
20 How control and the state of					PID=4.3 Sheen=None					-20 - - -
25 - - 25 - - - - 30 -					PID=4.6 Sheen=None		Bottom	of exploration at 28 ft. bgs.		-25 - - - - - - 30
Sample Type	gend			Water Level	ter Encountered	1	of symbol Logged k		Exploration Log F3 Sheet 1 of 1	on

	spect			Spic N	N Spar	n - 060172 e Specific Location			Electrode		ah c ::
	CONSULTING					St,, Seattle, WA			Coordinates (SPN NAD83 ft) E:1272446.00 N:221046.00 (es	Exploration Num	nber
	Contractor	Equ	ipment	002 0 B	car Borri c	Sampling Metho	od		Ground Surface Elev. (NAVD88)	₩ F4	
Hol	It Services Inc	CME 850X	track mo	ounted		Grab			52' (est)		
	Operator	Exploration 12.5 in OD	on Method	d(s)	V	Work Start/Completion	n Dates		Top of Casing Elev. (NAVD88)	Depth to Water (Be	low GS)
	Oustin Smith	12.5-in OD A		Anal		10/3/2019 to 10/4	/2019	T	NA	No Water Encou	
Depth Ele (feet) (fe	ev. Exploration Completion	Notes and n Details	Sample Type/ID	Sample N Lab T	ytical Number & Test(s)	Field Tests	Materia Type		Description		Depth (ft)
NEW STANDARD EXPLORATION LOG TEMPLATE P./GINTYMPROJECTS/G00172.SPIC N SPAN SUBSURFACE INSTALLATION GPJ May 15, 2023 Sample	Neat or with porcable #3 San O Conductive with ele with	ement grout ower supply				PID=147 Sheen=None		SAND moist, by to cours SAND to media	RETE; with base course WITH SILT AND GRAVEL (SP prown; <10% fines, fine to medic se, subangular, gravel, no odor Y SILT (ML); slightly moist, gray um sand, 10% fine gravel, no oc (CL); moist, gray; with trace silt covery	Im sand, 20% fine	-10 -15 -15 -20 -25 -30
STANDARD EXPLO	egend			Water	No Wate	r Encountered		See Expl of symbol Logged b		Explorati Log F4	ion
NEW STA				>					d by: DIM	Sheet 1 of	1

	spect			Spic	N Spar	n - 060172			Electrode		-6
	NSULTING			•		St,, Seattle, WA			Coordinates (SPN NAD83 ft) E:1272463.00 N:221046.00 (es	Exploration Num	nber
	Contractor	Equ	ipment		20	Sampling Metho	d		Ground Surface Elev. (NAVD88)	† F5	
Holt S	Services Inc	CME 850X				Grab			51' (est)		
(Operator	Exploration 12.5-in OD	n Method	d(s)	l	Work Start/Completion	n Dates		Top of Casing Elev. (NAVD88)	Depth to Water (Bel	ow GS)
Dus	stin Smith	12.5-in OD Aı		Δnr	alutical	10/14/2019			NA	No Water Encou	
Depth Elev. (feet)	Exploration I Completion	Notes and n Details	Sample Type/ID	Sample Lab	alytical Number & Test(s)	Field Tests	Materia Type		Description		Depth (ft)
(feet) (feet) - 50 - 45 - 45 - 40 - 15 - 25	Neat co with po cable #3 San	ement grout wer supply		Lab	Test(s)	PID=3.5 Sheen=None PID=6.5 Sheen=None PID=9.7 Sheen=None PID=3.1 Sheen=None	Type	SAND fines, fine	RETE; with base course WITH GRAVEL (SW); slightly note to medium sand, 15% fine to Y SILT (ML); slightly moist, grayum sand, 10% fine gravel, no od CLAY (CL-ML); moist to very mown of the to medium sand, no odo	course gravel, no -brown; 25% fine or	(ft)
NEW STANDARD EXPLORATION LOG TEMPLATE PIGINTWIPPROJECTS/060172-SPIC N SPAN SUBSURFACE INSTALLATION GPJ May 15, 2023 Sample Type Type 25 Cample A Company 16, 2023 Cample A Compan						PID=1.7 Sheen=None		· medium	SAND (SM); wet, brown; 20% find a sand, no odor of exploration at 28 ft. bgs.	nes, fine to	-25 - - - - -30
Sample Type	gend			Water	No Wate	er Encountered		of symbol Logged I		Exploration Log F5 Sheet 1 of 1	

Menaci			Spic N Spa	ın - 060172			Electrode	
Aspect			Project Address & S				Coordinates (SPN NAD83 ft)	Exploration Number
Contractor		iipment	652 S Dear Born	St., Seattle, VVA Sampling Method	od		E:1272476.00 N:221046.00 (es Ground Surface Elev. (NAVD88)	^{ti} F6
Holt Services Inc	CME 850X		ounted	Grab			51' (est)	
Operator	Exploration	on Method	d(s)	Work Start/Completio	n Dates		Top of Casing Elev. (NAVD88)	Depth to Water (Below G
Dustin Smith	12.5-in OE A) Hollow- uger	,	10/14/2019 to 10/1	5/2019		NA	No Water Encountered
Depth (feet) Exploration Completi	Notes and on Details	Sample Type/ID	Analytical Sample Number & Lab Test(s)	Field Tests	Material Type		Description	De (f
Neat	cement grout		, ,				RETE; with base course	100
#3 Sa	cement grout ower supply and uctive backfill lectrode element			PID=32.7 Sheen=None PID=28.1 Sheen=None PID=12.7 Sheen=None PID=10.7 Sheen=None		SAND fines, fin	RETE; with base course WITH SILT (SW-SM); slightly me to medium sand, no odor Y SILT WITH GRAVEL (ML); slightly my, 25% fine to medium sand, and the country of the countr	ghtly moist, 15% fine gravel, no - 5
30+								-3
Sample Sa			Water Level	ter Encountered		of symbo		Exploration Log F6 Sheet 1 of 1

				Spic	N Spar	า - 060172			Electrode		
	spect					e Specific Location			Coordinates (SPN NAD83 ft)	Exploration Num	nber
	ontractor	Eau	ipment	052.5	Dear Born S	St,, Seattle, WA Sampling Metho	d		E:1272494.00 N:221046.00 (es Ground Surface Elev. (NAVD88)	[‡] F7	
Holt S	Services Inc	CME 850X		ounted		Grab			51' (est)		
	Operator	Exploration	n Method	d(s)	V	Nork Start/Completion	n Dates		Top of Casing Elev. (NAVD88)	Depth to Water (Bel	ow GS)
	stin Smith	12.5-in OD Aı	Hollow- uger	-stem		0/15/2019 to 10/1	6/2019	_	NA NA	No Water Encou	ntered
Depth (feet) Elev.	Exploration Completio	Notes and n Details	Sample Type/ID	Ar Sampl Lat	nalytical e Number & o Test(s)	Field Tests	Materia Type	al	Description		Depti (ft)
NEW STANDARD EXPLORATION LOG TEMPLATE P:GINTYWPROLECTS060172-SPIC N SPAN SUBSURFACE INSTALLATION.GPJ May 15, 2023 Sample Sample Type Type Type Type Type Type Type Typ	Neat c with pc cable #3 Sar	ement grout ower supply		Sampl	e Number & D Test(s)	PID=24 Sheen=None PID=16 Sheen=None PID=4 Sheen=None PID=0.9 Sheen=None	Type Type	SAND moist, b to cours SAND 20% find	RETE; with base course WITH SILT AND GRAVEL (SW rown; <10% fines, fine to mediuse gravel, no odor Y SILT (ML); slightly moist to meet to medium sand, 10% fine gravel to medium sand, 10% fine gravel.	m sand, 15% fine	-10 -15 -20 -25 -
30 -											-30
Sample Type	gend			Water	No Wate	er Encountered		of symbo		Exploration Log F7 Sheet 1 of 1	

	Λ.		.		Spi	c N Spar	า - 060172			Electrode	Log	
	<u> </u>	spec			Projec	ct Address & Site	e Specific Location			Coordinates (SPN NAD83 ft)	Exploration Num	nber
—		ontractor		pment	652 \$	S Dear Born S	St,, Seattle, WA Sampling Metho	nd		E:1272510.00 N:221046.00 (es Ground Surface Elev. (NAVD88)	[±]) F8	
		Services Inc	CME 850X t		ounted		Grab	·u		51' (est)		
		Operator	Exploratio	n Metho	d(s)		Work Start/Completion	n Dates		Top of Casing Elev. (NAVD88)	Depth to Water (Bel	low GS)
		stin Smith	12.5-in OD	Hollow iger	-stem		11/18/2019			NA NA	No Water Encour	
Depth (feet)	Elev. (feet)	Explorati	on Notes and etion Details	Sample Type/ID	Sam	Analytical aple Number & ab Test(s)	Field Tests	Materia Type	I	Description		Depti (ft)
		Nea	at cement grout			1001(0)				RETE; with base course		
10-1 10-1 15-1 20-1 25-1 30-1	- 45 - 45 - 35 - 30	#3	at cement grout n power supply le Sand Inductive backfill n electrode element				PID=16.3 Sheen=None PID=8.4 Sheen=None PID=1.8 Sheen=None		SAND moist, b gravel, r SAND to media	WITH SILT AND GRAVEL (SPorown; 10% fines, fine to mediun	n sand, 25% fine	-10 -15 -20 -25
30-	+											-30
ple e		gend			le fer	No Wate	er Encountered		See Expl of symbo	oration Log Key for explanation ols	Exploration Log	on
Sample	<u> </u>				Water Level				Logged k Approved	by: DRB d by: DIM	F8 Sheet 1 of 1	1

	Δ	spect	•		Spi	c N Spar	n - 060172			Electrode Coordinates (SPN NAD83 ft)		hor
		NSULTING			-		St,, Seattle, WA			Coordinates (SPN NAD83 π) E:1272405.00 N:221032.00 (es	Exploration Numb	UEI
		ontractor		iipment	- 002 (Dod! Boill C	Sampling Metho	od		Ground Surface Elev. (NAVD88)	G2	
Н	lolt S	Services Inc	CN	1E-85			Grab			50' (est)		
	C	Operator	Exploration	on Metho	d(s)	V	Work Start/Completion	n Dates		Top of Casing Elev. (NAVD88)	Depth to Water (Belo	w GS)
	Joh	n Bennett	12.5-in OE A	Hollow uger	_		10/18/2019			NA	No Water Encoun	ntered
Depth (feet)	Elev. (feet)	Exploration Completi	n Notes and on Details	Sample Type/ID	Sam	Analytical ple Number & ab Test(s)	Field Tests	Material Type		Description		Dept (ft)
5 +	45	#3 Sa	cement grout sower supply and uctive backfill electrode element				PID=0.3 Sheen=None		SAND moist, b to cours	RETE; with base course WITH SILT AND GRAVEL (SW rown; <10% fines, fine to mediu e gravel, no odorCLAY (CL-ML); moist, brown; 1	m sand, 10% fine	- - - - - 5
10+	40						PID=1.7 Sheen=None	7-	SILT V medium	VITH SAND (ML); moist, gray-bi sand, brick debris and roots pre	rown; 15% fine to esent, no odor	- - -10 - -
15								*				- -15 - - - -
25-							PID=0 Sheen=None		SILTY sand, no	CLAY (CL-ML); very moist to w	et, gray; 15% fine	- - - - -25
Sample 05 Type	20						PID=0 Sheen=None		Bottom	of exploration at 28 ft. bgs.		- - - -30
	Leg	jend							See Eval	oration Log Key for explanation		
Sample Type					Water Level	No Wate	er Encountered		of symbo Logged to Approved	ols DRB	Exploration Log G2 Sheet 1 of 1	on

	Δα	spec	+		Spi	c N Spar	n - 060172 e Specific Location			Electrode		ah a ::
7		NSULTIN					St,, Seattle, WA			Coordinates (SPN NAD83 ft) E:1272422.00 N:221032.00 (es	Exploration Num	nder
		ontractor		uipment	002 (Dear Borne	Sampling Metho	d		Ground Surface Elev. (NAVD88)	[₩] G3	
Н	olt S	Services Inc	Cr	ИЕ-85			Grab			50' (est)		
	C	Operator	Explorati	on Meth	od(s)	V	Work Start/Completion	n Dates		Top of Casing Elev. (NAVD88)	Depth to Water (Bel	low GS)
	Johi	n Bennett	12.5-in OI	uger	_		10/31/2019		1	NA	No Water Encou	ntered
Depth (feet)	Elev. feet)	Explorati Comple	on Notes and etion Details	Sampl Type/II	Sam L	Analytical ple Number & ab Test(s)	Field Tests	Materia Type		Description		Depth (ft)
+		Nea with cab	at cement grout n power supply le				PID=0 Sheen=None		SAND moist, b gravel, r		n sand, 15% fine	
5 -	45	#3 \$	Sand				PID=0 Sheen=None		medium	Y SILT (ML); slightly moist, brow sand, 10% fine gravel, brick del no odor	n; 20% fine to bris and roots	- - 5
10-	40	Corwitt	nductive backfill n electrode elemen	t			PID=0 Sheen=None					
- - - 15-	35						PID=0 Sheen=None		SILTY debris p	CLAY (CL-ML); moist, gray; trac resent, no odor	ce fine sand, brick	-15
20-	30											- - - -20
+ + +							PID=0 Sheen=None					 - - -
25+	25						PID=0 Sheen=None		Bottom	of exploration at 28 ft. bgs.		-25 -
										, <u></u> 230 .		+
30-	20											-30
Sample 20 + + + + + + + + + + + + + + + + + +	Leg	end			Water	No Wate	r Encountered		of symbol Logged b		Exploration Log G3 Sheet 1 of 1	

	spect			Spic I	N Spar	ı - 060172			Electrod		
	ONSULTING					Specific Location St,, Seattle, WA			Coordinates (SPN NAD83 ft) E:1272438.00 N:221032.00 (e	Exploration Nur	nber
	Contractor	Egu	ipment	032 3 D6	ear born s	Sampling Metho	od		Ground Surface Elev. (NAVD88)	G4	
Holi	t Services Inc	CME 850X		ounted		Grab			52' (est)		
	Operator	Exploration	n Method	d(s)	V	Vork Start/Completio	n Dates		Top of Casing Elev. (NAVD88)	Depth to Water (Be	low GS)
D	oustin Smith	12.5-in OD A	Hollow uger	-stem		11/11/2019			NA	No Water Encou	ıntered
Depth Ele	ev. Exploration et) Completio	Notes and n Details	Sample Type/ID	Anal Sample I Lab T	lytical Number & Γest(s)	Field Tests	Materia Type	ıl	Description		Depth (ft)
	Neat c	ement grout			, ,		[.]		ALT; with base course		_
NEW STANDARD EXPLORATION LOG TEMPLATE P.SINITWIPROLECTS/080172-SPICN SPAN SUBSURFACE INSTALLATION GPJ May 15, 2023 Sample	Condu with el	ement grout wer supply and ctive backfill ectrode element				PID=1.8 Sheen=None PID=8.6 Sheen=None PID=4.0 Sheen=None PID=368 Sheen=None PID=307 Sheen=None PID=24.7 Sheen=None		SAND moist, briggravel, r	WITH SILT AND GRAVEL (SF rown; 10% fines, fine to mediu	m sand, 20% fine	-10 -15 -115 -20 -25 -30
XPLORY F	egend				Nie Mari	т Градина		See Expl	oration Log Key for explanation	Evente '	
Sample Type				Water	INO VVAICE	r Encountered		of symbol Logged b	ls	Explorati Log G4 Sheet 1 of	

Aspect				Spic N Spa Project Address & Si	n - 060172	Electrode Log Coordinates (SPN NAD83 ft) Exploration Number				
	NSULTING			652 S Dear Born		E:1272470.00 N:221032.00 (es		U I		
	Contractor	Equ	ipment		Sampling Metho	od		Ground Surface Elev. (NAVD88)	[₩] G6	
Holt S	Services Inc	CME 850X			Grab			51' (est)		
(Operator Exploration Metho		n Method	d(s) -stem	Work Start/Completio	n Dates		Top of Casing Elev. (NAVD88)	Depth to Water (Below	v GS)
Du	stin Smith	12.5-in OD Aı	uger		11/19/2019 to 11/2	20/2019	,	NA	No Water Encount	ered
Depth Elev. (feet)	Depth (feet) Exploration Notes and Completion Details Sample Type/I		Sample Type/ID	Analytical Sample Number & Field Tests Lab Test(s)		Materia Type		Description		Dept (ft)
+ 50 +	Neat cr with po cable #3 San	ement grout wer supply d			PID=2.1 Sheen=None		SAND moist, b	ALT; with base course WITH SILT AND GRAVEL (SP- rown; 5% fines, fine to medium gravel, no odor	SM); slightly sand, 30% fine to	
5 45 -		ctive backfill ectrode element			PID=5.2 Sheen=None			Y SILT (ML); slightly moist, gray ace gravel, no odor	brown; 20% fine	5
10-					PID=7.7 Sheen=None				- - -	- 10 -
15 + 35					PID=2.5 Sheen=None		SILTY	CLAY (CL-ML); moist, gray; trad	ce fine sand, no	- - - - -
- 20 30									- - -	-20
NEW STANDARD EXPLORATION LOG TEMPLATE PIGNITWPROJECTS/0060172-SPICN SPAN SUBSURFACE INSTALLATION GPJ May 15, 2023 Sample Type Type Type To the standard of the standard o							Pottore	of evaluration at 29 ft has	-	-25
110N LOG TEMPLA							DOLLORY	of exploration at 28 ft. bgs.	-	-30
Sample Type	gend			No Water No	er Encountered		of symbol Logged b		Exploratio Log G6 Sheet 1 of 1	n

Aspect				Spic N	Span	- 060172	Electrode Log				
Aspect				-		Specific Location	Coordinates (SPN NAD83 ft) E:1272414.00 N:221018.00 (e	Exploration Num	nber		
	Contractor	652 S Dear Born St,, Seattle, WA Equipment Sampling Method							Ground Surface Elev. (NAVD88)	H3	
Holt S	Services Inc		, 1E-85			Grab			50' (est)		
	Operator	Exploration	on Method	n Method(s) Work Start/Completion			n Dates		Top of Casing Elev. (NAVD88)	Depth to Water (Bel	low GS)
Joh	John Bennett		12.5-in OD Hollow-ster Auger		11/18/2019		_		NA	No Water Encou	ntered
Depth Elev. (feet) (feet)	Exploration Completio	Notes and n Details	Sample Type/ID	Analytic Sample Nur Lab Tes	cal mber & st(s)	Field Tests	Materia Type	I	Description		Depth (ft)
5 - 45 	Neat cr with pc cable	ement grout wer supply		Lab Tes	st(s)	PID=9.7 Sheen=None PID=8.9 Sheen=None	Type	SAND moist, b gravel, r	ALT; with base course WITH SILT AND GRAVEL (SF rown; 10% fines, fine to mediu no odor Y SILT (ML); slightly moist, gra um sand, trace gravel, brick del	m sand, 25% fine	+
15 - 35 - 20 - 30 - 25 - 25 - 30 - 20 - 25 - 25 - 25 - 25						PID=49.1 Sheen=None		SILTY debris a	CLAY (CL-ML); moist, gray; trand roots present, no odor	ace fine sand, brick	-15 -20
25 - 25						PID=790 Sheen=None PID=687 Sheen=None PID=520 Sheen=None PID=21 Sheen=None PID=13 Sheen=None		SILTY debris a	OY DEBRIS; hard drilling; stron CLAY (CL-ML); moist, gray; transport of exploration at 28 ft. bgs.		-25 -
30 - 20											-30
Sample Type	gend			Water Level	No Water	Encountered		of symbol Logged b		Exploration Log H3 Sheet 1 of 1	

DA.	nac	₊		Spic N Spa	n - 060172			Electrode		
Aspect			Project Address & Si	te Specific Location	Coordinates (SPN NAD83 ft) Exploration Num					
OCONSULTING			652 S Dear Born			E:1272430.00 N:221018.00 (est	H4			
Co	ntractor	Eq	quipment		Sampling Metho	d		Ground Surface Elev. (NAVD88)	114	
Holt S	ervices Inc	С	ME-85		Grab			51' (est)		
	perator	Explora	tion Method	I(s)	Work Start/Completion	Dates		Top of Casing Elev. (NAVD88)	Depth to Water (Be	elow GS
John	n Bennett	12.5-in O	D Hollow- Auger	-stem	10/31/2019			NA NA	No Water Encou	
				Analytical				1 171	1.15 Tracor Eriooc	
pth Elev. et) (feet)		on Notes and etion Details	Sample Type/ID	Sample Number & Lab Test(s)	Field Tests	Material Type		Description		De _l
						·. · [·] ·		ALT; with base course		\overline{A}
+ 50	Nea with	t cement grout power supply					SAND	WITH SILT AND GRAVEL (SP- rown; 10% fines, fine to medium	SM); slightly	+
	cabl	le					gravel, r		Sand, 20 % nne	
					PID=3 Sheen=None		1			
+ 1							SAND	Y SILT (ML); slightly moist, gray-	brown: 20% fine	+
]	#3 S	Sand					to medic	ım sand, 10% fine gravel, no odd	or	
T										Γ
5 🕂 🔓										+ ;
1 15										
+ 45					PID=46 Sheen=None					T
+ 1	Con	ductive backfill electrode eleme	nt							+
1 1	With	. SISSEBUL CICIIIE	···							
					PID=80 Sheen=None					
+ 1										+
)										+1
'										'
40										+
↓ I							SILTY	CLAY (CL-ML); moist, gray; fine	es and sand	7
					PID=12 Sheen=None		present,	wet at 20 ft. bgs no odor		
†										+
↓ I										1
5+										+1
+ 35										1
†										†
+ 1										+
†					PID=56 Sheen=None					†
o+					SHOOM-140HG					-2
+ 30					PID=125 Sheen=None					T
+ 1					3.155.1 140110					+
1 I										
										T
+					PID=36					+
5+					Sheen=None					-2
´										
- 25										+
1 I										1
					PID=20 Sheen=None					
+							Bottom o	of exploration at 28 ft. bgs.		+
1								4 a. 20 ago.		1
0+										+3
Leg	end									
					er Encountered			oration Log Key for explanation	Explorat	ion
Type				Water			of symbo		Log	
				Le W			Logged b		H4	
							Approved	ואווט. טוועו	Sheet 1 of	4

Manaci	b		Spic N	Span	- 060172	Electrode Log				
Aspect	-		-		Specific Location	Coordinates (SPN NAD83 ft)	1 '	Exploration Number		
Contractor		652 S Dear Born St,, Seattle, WA Equipment Sampling Method						E:1272446.00 N:221018.00 (es Ground Surface Elev. (NAVD88)	[‡] H5	
Holt Services Inc	CME 850X		ounted		Grab	·u		52' (est)		
Operator		on Method		Wo	ork Start/Completion	n Dates		Top of Casing Elev. (NAVD88)	Depth to Water (Bel	low GS)
Dustin Smith	12.5-in OE	Hollow- uger	-stem		25/2019 to 9/26			NA	No Water Encou	
Depth (feet) Exploration (feet) Complet	n Notes and ion Details	Sample Type/ID	Analytic Sample Nui Lab Tes	mber &	Field Tests	Materia Type	I	Description		Depti (ft)
Neat	cement grout			(-)				CRETE; with base course		_
with cable #3 Sa	cement grout power supply and				PID=2.3 Sheen=None		. moist, b	WITH SILT AND GRAVEL (SPorown; <10% fines, fine to mediular, gravel, brick debris present	m sand, 20% fine,	+
_							SILT V	ALT; n.a VITH SAND (ML); slightly moist id, trace gravel, hard drilling and @ 22 ft. bgs, no odor	gray-brown; 15% wood fibres	1
5 — Cond	luctive backfill						present	@ 22 ft. bgs, no odol		- 5
	electrode elemen	t								
+ 45					DID 050					
					PID=350 Sheen=None					_
_										+
10-					PID=497 Sheen=None					10
+					Sneen=None					+
+ 40										+
+										+
+										†
15+										- 15
- 35										
										-
20-										-20
_										+
30							No Re			+
_										+
+										T
25+										-25
25 + 25										
							Bottom	of exploration at 28 ft. bgs.		-
30-										-30
Legend				1. 147 :		1	See Fxnl	oration Log Key for explanation	F 1	
20			Water Level	No Water I	Encountered		of symbol Logged I	bls	Exploration Log H5	
			I				1 - 0.0	,	Sheet 1 of 1	1

Aspect		Proje	ect Address & Site	n - 060172 e Specific Location			Electrode and Vapo Coordinates (SPN NAD83 ft)	Exploration Number
Contractor		652 ipment	S Dear Born S	St,, Seattle, WA Sampling Metho	-d		E:1272406.00 N:221004.00 (es Ground Surface Elev. (NAVD88)	^{t)} J3
Holt Services Inc		IE-85		Grab	ou		50' (est)	
Operator	Exploration	n Method(s)		Work Start/Completio	n Dates		Top of Casing Elev. (NAVD88)	Depth to Water (Below GS)
John Bennett	12.5-in OD Au	Hollow-stem uger	1	10/17/2019			NA NA	No Water Encountered
Depth Elev. Exploratio (feet) Complet	Notes and on Details		Analytical mple Number & Lab Test(s)	Field Tests	Materia Type	I	Description	Dep (ft)
5 - 45	cement grout ower supply CPVC shedule 80 g connected to tent system		Lab Test(s)	PID=21 Sheen=None PID=40 Sheen=None PID=57 Sheen=None PID=20.6 Sheen=None		SAND moist, the gravel, SILTY fine sar	CRETE; with base course WITH SILT AND GRAVEL (SW prown; <10% fines, fine to mediu no odor CLAY (CL-ML); moist to wet, grad, brick debris and roots present	r-SM); slightly m sand, 10% fine ay-brown; 15%
Lype		Water Level		er Encountered		of symbo		Exploration Log J3

Y	Aspecton Contractor	3	ipment	Spic N Spar Project Address & Sit 652 S Dear Born	te Specific Location	od		Electrode and Vapol Coordinates (SPN NAD83 ft) E:1272423.00 N:221004.00 (est Ground Surface Elev. (NAVD88)	Exploration Num	Log
Но	olt Services Inc	·	, 1E-85		Grab			51' (est)		
	Operator	Exploration 12.5-in OD	on Method	d(s) -stem	Work Start/Completio			Top of Casing Elev. (NAVD88)	Depth to Water (Belo	,
	John Bennett	12.5-in OD A	uger		10/28/2019			NA	No Water Encour	ntered
Depth El (feet) (fe	lev. Exploratio cet) Complet	n Notes and tion Details	Sample Type/ID	Analytical Sample Number & Lab Test(s)	Field Tests	Materia Type		Description		Depth (ft)
- 5 - 5	Neat with cable 1.5" casin treat #3 S	cement grout power supply e CPVC shedule 80 ng connected to ment system and			PID=2.4 Sheen=None		SAND	ALT; with base course WITH SILT AND GRAVEL (SW rown; 15% fines, fine to medium no odor	-SM); slightly I sand, 15% fine	
5 - 4	vapo	Stainless steel r recovery screen om end cap			PID=0 Sheen=None		SAND sand, 10	Y SILT (ML); slightly moist, gray- 0% fine gravel, no odor	-brown; 20% fine	- - - 5
10-	Conc with	ductive backfill electrode element			PID=0 Sheen=None		SAND' fine gra	Y SILT (ML); moist, brown; 15% vel, no odor	fine sand, 10%	-10 -10
15 + + + + + + + + + + + + + + + + + + +	35				PID=7.7 Sheen=None		SILTY sand, no	CLAY (CL-ML); very moist to we	et, gray; trace fine	- - - 15
Sample Type Type Type Sample Samp	30				PID=0 Sheen=None					- -20 -
25 - + 2	25				PID=0 Sheen=None PID=0 Sheen=None					-25
30-							Bottom	of exploration at 28 ft. bgs.		- -30
Sample Type	_egend			Mo Water Cevel	er Encountered		See Explored See E	oy: DRB	Exploration Log J4 Sheet 1 of 1	

	Aspec				Projec	ct Address & Site	n - 060172 e Specific Location				Electrode and Vapo Coordinates (SPN NAD83 ft)	Exploration Nu	Log
	CONSULTIN Contractor	١G	Equi	pment	652 \$	S Dear Born S	St,, Seattle, WA Sampling Metho	nd .			E:1272440.00 N:221004.00 (es Ground Surface Elev. (NAVD88)	^{st)} J5	
Ι,	Holt Services Inc		Equi ME 850X t	•			Grab	u			, ,		
	Operator	, (Exploration				Work Start/Completio	n Date	s		52' (est) Top of Casing Elev. (NAVD88)	Depth to Water (Be	low GS)
	Dustin Smith	'	12.5-in OD Au	Hollow- iger	-stem		9/24/2019 to 9/25				NA NA	No Water Encou	•
Depth (feet)	Elev. Explora (feet) Comp	ation Not	tes and	Sample Type/ID	Sam	Analytical uple Number & Lab Test(s)	Field Tests	Mate Ty	erial pe		Description		Dept (ft)
10 - 10 - 10 - 10 - 10 - 10 - 10 - 10 -	- 50 NN W Ca	eat cem ith powe able 5" CPV(asing co eatment 3 Sand 5" Stain apor recc ottom er	ent grout er supply C shedule 80 nnected to system	Турель	L	ab Test(s)	PID=3.6 Sheen=None PID=2.1 Sheen=None PID=5.0 Sheen=None PID=4.3 Sheen=None		pe ()	SAND moist, be fine, sul odor ASPH. SAND <10% fi gravel, 1 SAND fine to r present SILTY 5% fine SILTY 5% fine	RETE; with base course WITH SILT AND GRAVEL (SP rown; <10% fines, fine to mediu bangular, gravel, some brick det ALT; n.a WITH SILT (SP-SM); slightly m rnes, fine to medium sand, < 15 no odor Y SILT (ML); slightly moist, gray redium sand, 10% fine gravel, s , no odor CLAY (CL-ML); moist, light gra gravel, no odor CLAY (CL-ML); wet, gray; 25% ace gravel, petroleum-like odor petroleu	um sand, <15% oris present, no noist, gray-brown; % fine, subangular /-brown; silt, 25% some brick debris y; 15% fine sand,	
30-	-												-30
Sample Type	Legend				Water Level	No Wate	er Encountered			of symbo		Explorati Log J5 Sheet 1 of	

	_	spe				Projed	ct Address & Site	n - 060172 e Specific Location			Electrode and Vapo Coordinates (SPN NAD83 ft)	Exploration Number
		NSUL1	TING			652	S Dear Born S	St., Seattle, WA			E:1272406.00 N:220994.00 (es	^{t)} K3
Ι.		ontractor	l	1	ipment			Sampling Metho	oa		Ground Surface Elev. (NAVD88)	
F		Services Operator	Inc	Exploration	1E-85 on Method	1(s)		Grab Work Start/Completio	n Dates		49' (est) Top of Casing Elev. (NAVD88)	Depth to Water (Below GS)
		n Benne	tt	12.5-in OD Au	Hollow	-stem		10/17/2019			NA	No Water Encountered
Depth (feet)	Elev.			Notes and	Sample Type/ID	Sam	Analytical pple Number & _ab Test(s)	Field Tests	Materia Type	I	Description	Dept (ft)
5 -	- - - 45 -		Neat ce with por cable 1.5" CP casing treatme #3 Sand	ement grout wer supply PVC shedule 80 connected to ent system			est rest(s)	PID=2.4 Sheen=None		SAND moist, b to cours	CRETE; with base course WITH SILT AND GRAVEL (SW rown; <10% fines, fine to mediu se gravel, no odor CLAY (CL-ML); slightly moist, g rick debris and roots present, no	m sand, 15% fine ,
10-	- - - - - - -		Conduc with ele	ctive backfill cctrode element				PID=1.9 Sheen=None				- - -10
15 — — — — — — — — — — — — — — — — — — —	- - - - - 30							PID=1.3				-15 - - -
20 -	- - - - 25							Sheen=None PID=0 Sheen=None				-20 - - -
25 –	- - - - 20							PID=0 Sheen=None		Bottom	of exploration at 28 ft. bgs.	-25 - - -
30-	-											+30
Sample Type		gend				Water Level	No Wate	Encountered		of symbo		Exploration Log K3 Sheet 1 of 1

	co	SPE	TING		. ,	Projec	t Address & Site	n - 060172 e Specific Location St., Seattle, WA	,		Coordinates (SPN NAD83 ft) E:1272416.00 N:220993.00 (es	Exploration Number	og r
.		ontractor Services		1	ipment IE-85			Sampling Metho Grab	od		Ground Surface Elev. (NAVD88) 50' (est)		
		Operator	IIIC	Exploration	n Metho	d(s)	l	Work Start/Completion	n Dates		Top of Casing Elev. (NAVD88)	Depth to Water (Below	GS)
	Joh	n Benne	ett	12.5-in OD A	Hollow uger	-stem		11/19/2019			NA	No Water Encounte	ered
Depth (feet)	Elev. (feet)	Ex	ploration I Completion	Notes and n Details	Sample Type/ID	Sam L	Analytical ple Number & ab Test(s)	Field Tests	Materia Type	al	Description	С	Depth (ft)
-	45		Neat co with pocable 1.5" CF casing treatme #3 San	ement grout wer supply PVC shedule 80 connected to ent system	Type II		ab Test(s)	PID=12 Sheen=None		SAND moist, b gravel, i	ALT; with base course WITH SILT AND GRAVEL (SP- rown; 10% fines, fine to medium no odor Y SILT (ML); slightly moist, gray ace gravel, no odor	SM); slightly sand, 15% fine brown; 20% fine	
ALLA HON GPJ May 15, 2023	35							PID=162 Sheen=None PID=22 Sheen=None				-	- - 15 - -
060172-SPIC N SPAN SUBSURFACE INST								PID=2.4 Sheen=None					- 20
New Standbard exployed for the Profit I werkoled is sold in white Sample Sample C S								PID=3.7 Sheen=None		Bottom	of exploration at 28 ft. bgs.		- 25
Sample Type		jend				Water Level	No Wate	r Encountered		of symbol Logged I		Exploration Log K4 Sheet 1 of 1	1

	Special Contractor It Services Inc	Equ CM	ipment 1E-85	Spic N Spar Project Address & Sit 652 S Dear Born	e Specific Location St,, Seattle, WA Sampling Metho Grab			Electrode and Vapo Coordinates (SPN NAD83 ft) E:1272432.00 N:220993.00 (es Ground Surface Elev. (NAVD88) 51' (est) Top of Casing Elev. (NAVD88)	Exploration Number	r
J	Operator ohn Bennett	Exploration 12.5-in OD A	on Method Hollow uger	-stem	Work Start/Completion 10/28/2019	i Dales		NA	No Water Encounter	
Depth Ele	ev. Exploration Completi	Notes and on Details	Sample Type/ID	Analytical Sample Number &	Field Tests	Materia Type	I	Description	D	Depti
5 - 4	Neat with p cable 1.5° S vapor	cement grout ower supply CPVC shedule 80 g connected to nent system		Lab Test(s)	PID=3 Sheen=None PID=34 Sheen=None		SAND moist, b gravel, r SAND to mediu present	ALT; with base course WITH SILT AND GRAVEL (SW rown; 15% fines, fine to medium no odor Y SILT (ML); slightly moist, grayum sand, 10% fine gravel, brick of no odor Y SILT (ML); slightly moist, brown as and, 10% fine gravel, brick delay no odor	-SM); slightly a sand, 15% fine brown; 20% fine debris and roots	5
10	with e	uctive backfill electrode element			PID=5.7 Sheen=None				+ - - -	10
15 — 3 — 3 — 4 — 4 — 4 — 4 — 4 — 4 — 4 — 4	5				PID=15.2 Sheen=None	-	SILTY sand, no	CLAY (CL-ML); moist to wet, gr	ay; trace fine	15
3	0				PID=2.1 Sheen=None				- - -	20
Sample Sample Sample Type Type Type Type Sample S	5				PID=0 Sheen=None		Bottom	of exploration at 28 ft. bgs.	-	25 30
Sample Sa	egend			Water Cevel	er Encountered		of symbol Logged b		Exploration Log K5 Sheet 1 of 1	

	Ą	spe	ct			Projed	ct Address & Site	n - 060172 e Specific Location			Electrode and Vapo Coordinates (SPN NAD83 ft)	Exploration Number
		ontractor	ING	Eau	ipment	652	S Dear Born S	St,, Seattle, WA Sampling Metho	nd .		E:1272409.00 N:220982.00 (es Ground Surface Elev. (NAVD88)	th L4
.		Services Ir	20	'	IE-85			Grab	Ju		50' (est)	
-		Operator	IC .	Exploration	n Method	d(s)	1	Work Start/Completio	n Dates		Top of Casing Elev. (NAVD88)	Depth to Water (Below GS)
		n Bennett		12.5-in OD Au	Hollow- uger	-stem		10/16/2019			NA NA	No Water Encountered
Depth (feet)	Elev. (feet)	Explo Cor	oration N	lotes and	Sample Type/ID	Sam	Analytical ple Number & ab Test(s)	Field Tests	Materia Type	I	Description	Dept (ft)
10 - 15 - 10 - 10 - 10 - 10 - 10 - 10 -	- 45 - 45 - 35 - 30 - 25 - 25 - 30		Neat ce with pov cable 1.5" CP casing c treatmee #3 Sanc 1.5" Sta vapor re Bottom	ment grout wer supply VC shedule 80 connected to nt system			ab Test(s)	PID=2.2 Sheen=None PID=3.6 Sheen=None PID=5.0 Sheen=None PID=27 Sheen=None PID=10 Sheen=None PID=10 Sheen=None		SAND moist, b gravel, i SILTY debris p brick de	CRETE; with base course WITH SILT AND GRAVEL (SW rown; <10% fines, fine to medic no odor CLAY (CL-ML); moist, gray; 15 Oresent, no odor CLAY (CL-ML); moist, gray-broshris and roots present, no odor CLAY (CL-ML); moist to wet, gray-broshris and roots present, no odor	/-SM); slightly Im sand, 15% % fine sand, brick wn; 15% fine sand, - 5
ie ie		gend				<u></u>	No Wate	r Encountered		See Explored of symbol	loration Log Key for explanation	Exploration
Sample	5					Water Level				Logged I		Log L4 Sheet 1 of 1

	Aspect Consulting Contractor Holt Services Inc Operator			1	ipment	Projed	ct Address & Site	n - 060172 e Specific Location St., Seattle, WA Sampling Metho	d		Coordinates (SPN NAD83 ft) E:1272424.00 N:220982.00 (es Ground Surface Elev. (NAVD88)	Exploration Num	Log
H			Inc	Exploration	IE-85 on Metho	od(s)		Grab Work Start/Completion	n Dates		51' (est) Top of Casing Elev. (NAVD88)	Depth to Water (Bel	ow GS)
		n Benne	tt	12.5-in OD A	Hollov uger	v-stem		10/30/2019			NA	No Water Encou	,
Depth (feet)	Elev. (feet)	Exp Co	loration I	Notes and n Details	Sample Type/ID	Sam	Analytical ple Number & Lab Test(s)	Field Tests	Materia Type	al	Description		Depth (ft)
-	- 50 -		Neat ce with po cable 1.5" CF casing treatme #3 San	ement grout wer supply PVC shedule 80 connected to ent system d				PID=0 Sheen=None		SAND	ALT; with base course WITH SILT AND GRAVEL (SP- rown; fine to medium sand; fine		- - - -
5 -	- - 45 -		vapor re	ainless steel ecovery screen end cap				PID=0 Sheen=None		SILT V medium	VITH SAND (ML); slightly moist, sand; trace gravel; brick debris	brown; fine to present; no odor	- 5 -
10-	- 40		Conduc with ele	ctive backfill ectrode element				PID=0 Sheen=None					- - 10 -
115 – 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	· · · · · · · · · · · · · · · · · · ·							PID=0 Sheen=None		CLAY debris p	WITH SAND (CL); moist, gray; versent; no odor	wood fibers &	- - - - - - - - - - - - - - - -
New Standard Extrustrate Pright INPROJECT SPIC N SPAN SUBSURFACE INSTALLATION GPJ May 15, 2023 Sample 25 57 Type	· · · 25							PID=0 Sheen=None PID=0 Sheen=None		becom	es wet		- - -25
30	Leç	gend	-								of exploration at 28 ft. bgs.		-30
Sample Type						Water Level	No Wate	r Encountered		of symbol Logged b		Exploration Log L5 Sheet 1 of 1	

	Aspec			Pro	oject Address & Site	•			Electrode and Vapo Coordinates (SPN NAD83 ft)	Exploration Number
	Contractor	NG	Equipn		2 S Dear Born S	St,, Seattle, WA Sampling Metho	nd .		E:1272441.00 N:220982.00 (es Ground Surface Elev. (NAVD88)	^{t)} L6
Ι.	Holt Services Inc	CME		ck mount	ted	Grab	ou .		51' (est)	
'	Operator	Exp	oloration I	Method(s)	<u> </u>	Nork Start/Completio	n Dates		Top of Casing Elev. (NAVD88)	Depth to Water (Below GS
	Dustin Smith	12.5-i	n OD H Auge	ollow-ste er	m	11/13/2019			NA NA	No Water Encountere
Depth (feet)	Elev. Explora (feet) Comp	ation Notes and pletion Details			Analytical Sample Number & Lab Test(s)	Field Tests	Material Type		Description	Dep (ft
5	1. tr tr #*	eat cement gro ith power suppl able 5" CPVC shedt asing connecte- eatment system 3 Sand 5" Stainless stapor recovery so ottom end cap	out ly ule 80 d to n			PID=2.7 Sheen=None PID=4.0 Sheen=None		SAND medium SAND sand; tr	ALT; with base coarse WITH SILT (SP-SM); slightly m n sand; fine to coarse gravel Y SILT (ML); slightly moist, brow ace gravel nes gray brown with some brick of	vn; fine to medium - 5
4LLA ION. GPJ May 19, 2023	- 35 - -					PID=7.5 Sheen=None		CLAY	(CL); moist, gray	
20	- 30 - -					PID=4.1 Sheen=None				-20 - - -
25 – 100 remarks 100 mm market	- 25					PID=5.1 Sheen=None		Bottom	of exploration at 28 ft. bgs.	-28
Sample Type	Legend			Water		er Encountered	1	of symbo		Exploration Log L6 Sheet 1 of 1

	Occ	SPE ONSUL'		Equ	ipment	Projec	t Address & Site	n - 060172 e Specific Location St., Seattle, WA Sampling Metho	nd		Electrode and Vapo Coordinates (SPN NAD83 ft) E:1272401.00 N:220970.00 (es Ground Surface Elev. (NAVD88)	Exploration Numb	
		Services	Inc		IE-85	d(a)		Grab Work Start/Completion	a Dotoo		50' (est) Top of Casing Elev. (NAVD88)	Depth to Water (Belo	((()
		Operator In Benne	ett	Exploration 12.5-in OD A	Hollow	u(s) -stem	,	10/16/2019	TDates		NA	No Water Encoun	
Depth (feet)	Elev.			Notes and	Sample Type/ID	Sam	Analytical ple Number &	Field Tests	Material Type		Description	1.10 1.100	Depti (ft)
(feet)	45 - 45 - 35		Neat complete with polycable 1.5" CF casing treatme #3 San 1.5" Stavapor re Bottom	ement grout wer supply PVC shedule 80 connected to ent system	Type/ID	Sam	ple Number & ab Test(s)	PID=0.3 Sheen=None	Material Type	SAND moist, by to course SILTY debris p	RETE; with base course WITH SILT AND GRAVEL (SW rown; <10% fines, fine to mediu the gravel, no odor CLAY (CL-ML); moist, gray; 150 resent, no odor CLAY (CL-ML); very moist, gray; bris present, no odor	m sand, 15% fine ,	- 5 10 15 15 15
Sample OF Type 1 - - - - - - - - -	- 30							PID=2.0 Sheen=None					- - -20 - -
25-	- 25							PID=0 Sheen=None		Bottom	of exploration at 28 ft. bgs.		- -25 - -
30-	20												+ -30
		gend					No Wate	r Encountered			oration Log Key for explanation	Exploratio	
Sample						Water Level				of symbo Logged to Approve		Log M4 Sheet 1 of 1	- -

	Λ.	cno	~ 1			Spi	c N Spaı	n - 060172 e Specific Location		_	Electrode and Vapo	r Recovery	Log
		Spe						e Specific Location St,, Seattle, WA			Coordinates (SPN NAD83 ft) E:1272418.00 N:220970.00 (es	Exploration Nur	mber
		Contractor	ING	Equi	ipment	002 (Dear Born	Sampling Metho	d		Ground Surface Elev. (NAVD88)	^{±0} M5	
	Holt S	Services I	nc		IE-85			Grab			50' (est)		
	(Operator		Exploratio	n Metho	d(s)	ı	Work Start/Completion	Dates		Top of Casing Elev. (NAVD88)	Depth to Water (Be	low GS)
	Joh	n Bennet	t	12.5-in OD Au	lger Jer	/-stem		10/21/2019			NA	No Water Encou	untered
Depth (feet)	Elev. (feet)	Expl Co	oration N	lotes and Details	Sample Type/ID	Sam	Analytical ple Number & .ab Test(s)	Field Tests	Materi Type	al	Description		Depti (ft)
-	_		Neat ce with pov cable 1.5" CP casing of treatme #3 Sand	ment grout wer supply VC shedule 80 connected to nt system						SAND	ALT; with base course WITH SILT (SW-SM); slightly net to medium sand, 10% gravel, n	noist, brown; <10% o odor	6
5 -	- 45 -		1.5" Sta vapor re	inless steel covery screen end cap				PID=6.3 Sheen=None	, 1	SAND medium	Y SILT (ML); slightly moist, brown sand, 10% gravel, no odor	/n; 20% fine to	- - - 5 -
10-	40		Conduc with ele	tive backfill ctrode element				PID=5.4 Sheen=None					- -10 -
	35							PID=0.3 Sheen=None		SILTY	CLAY (CL-ML); moist, brown; 1	5% fine sand, no	+ + -15 +
20-	30							PID=0 Sheen=None		SILTY no odor	CLAY (CL-ML); very moist, gray	/; 15% fine sand,	20
- 25 - -	- 25							PID=0 Sheen=None					-25
30-										Bottom	of exploration at 28 ft. bgs.		-30
Sample 20-		gend				Water Level	No Wate	er Encountered		of symbo		Explorati Log M5 Sheet 1 of	

	Λ.	cno	~ 1			Spi	c N Spaı	n - 060172 e Specific Location			Electrode and Vapo	r Recovery	Log
		Spe						e Specific Location St,, Seattle, WA			Coordinates (SPN NAD83 ft) E:1272435.00 N:220970.00 (es	Exploration Num	nber
		Contractor		Equi	pment	002	Boar Borry	Sampling Metho	d		Ground Surface Elev. (NAVD88)	M6	
	Holt S	Services I	nc	СМ	E-85			Grab			51' (est)		
	(Operator		Exploratio	n Metho	d(s)	1	Work Start/Completion	Dates		Top of Casing Elev. (NAVD88)	Depth to Water (Bel	ow GS)
	Joh	n Bennet	t	12.5-in OD Au	ıger	v-stern		10/25/2019			NA	No Water Encou	ntered
Depth (feet)	Elev. (feet)	Expl Co	oration N	lotes and Details	Sample Type/ID	Sam	Analytical ple Number & ab Test(s)	Field Tests	Materi Type	al	Description		Depth (ft)
-							()		• • []		ALT; with base course		7
-	50		Neat ce with pove cable 1.5" CP casing of treatme #3 Sand	ment grout wer supply VC shedule 80 connected to nt system				PID=2.3 Sheen=None		SAND moist, b gravel,	WITH SILT AND GRAVEL (SW prown; <10% fines, fine to mediu no odor	/-SM); slightly um sand, 15% fine	_
-	<u> </u>							PID=0 Sheen=None		SAND medium	Y SILT (ML); slightly moist, brown sand, 10% gravel, no odor	vn; 20% fine to	+
5 -	1			inless steel				Sheen=None			, , ,		- 5
١.	45			ecovery screen									
	10												
-	Ť												T
-	†												+
-	+												+
10-	1		Conduc	tive backfill				DID 0					10
			with ele	ctrode element				PID=0 Sheen=None					
-	+ 40												T
-	t												†
-	+												+
-	1												-
15	1												
15-													- 15
-	35							PID=0 Sheen=None					†
-	+							SHOOT-NOTE					+
-	1												+
_													
_									∭				
20-	†							PID=0 Sheen=None			CLAY (CL-ML); very moist, gra	y; 15% fine sand,	20
-	30									no odor	•		+
-	1												+
_	1												
-	†												T
25-	†							PID=0					-25
-	25							Sheen=None					+
	1												
-	†									Bottom	of exploration at 28 ft. bgs.		
-	†												+
30-	+												-30
		gend					No Wate	er Encountered	1		loration Log Key for explanation	Explorati	on
Sample	26					Water Level	No Wale			of symbo	by: DRB	Log M6	J 11
20-										Approve	d by: DIM	Sheet 1 of 1	1

	spect		S	pic N Spar roject Address & Site	n - 060172 Specific Location			Electrode and Vapo Coordinates (SPN NAD83 ft)	Recovery Lo	og r
	NSULTING			52 S Dear Born S		ad .		E:1272397.00 N:220960.00 (es	^{t)} N4	
	ontractor	Equip			Sampling Metho	od		Ground Surface Elev. (NAVD88)		
	Services Inc Operator	CME 850X tra Exploration			Grab Work Start/Completio	n Dates		50' (est) Top of Casing Elev. (NAVD88)	Depth to Water (Below	GS
	stin Smith	12.5-in OD F	Hollow-ste	em	10/17/2019			NA	No Water Encounte	
Depth Elev. (feet) (feet)	Exploration I	Notes and		Analytical Sample Number &	Field Tests	Materia Type	ı	Description	[Dep
(lect) (lect)	KA KA	1 Details	Турслі	Lab Test(s)		Type XXX	CONC	CRETE; with base course		(11)
5 - 45 	1.5" St. vapor n Bottom	ement grout wer supply PVC shedule 80 connected to ent system		Lau resu(s)	PID=2.4 Sheen=None PID=6.4 Sheen=None PID=5.1 Sheen=None PID=1.9 Sheen=None		SAND moist, to to cours SILTY medium SILTY brick de	CRETE; with base course WITH SILT AND GRAVEL (SW brown; <10% fines, fine to mediuse gravel, no odor CLAY (CL-ML); moist, gray-brown sand, brick debris and roots present, and roots present, no odor CLAY (CL-ML); moist to wet, gray-bris and roots present, no odor CLAY (CL-ML); moist to wet, gray-bris and roots present, no odor	-SM); slightly m sand, 15% fine wn; 15% fine to esent, no odor ay; 15% fine sand,	- 10
30 + 20										-30
Sample Type	end		Water		r Encountered		of symbo		Exploration Log N4 Sheet 1 of 1	1

	Ą	spe	ct			Spi Projec	c N Spar	n - 060172 e Specific Location			Electrode and Vapo Coordinates (SPN NAD83 ft)	Fxploration Number	Log
		NSULTI	NG			652	S Dear Born S	St,, Seattle, WA			E:1272411.00 N:220959.00 (es	N5	
		Contractor		'	ipment			Sampling Metho	od		Ground Surface Elev. (NAVD88)	140	
		Services In	ıc		IE-85	d(a)		Grab	n Dotoo		49' (est)	Depth to Water (Belo	CCI
		Operator In Bennett		Exploration 12.5-in OD Au	Hollow	-stem	'	<i>Work Start/Completio</i> 0/15/2019 to 10/2			Top of Casing Elev. (NAVD88) NA	No Water Encour	
<u> </u>				I.			Analytical				INA	No Water Effcour	
Depth (feet)	(feet)	Explo Con	npletion N	lotes and Details	Sample Type/ID	Sam	nple Number & _ab Test(s)	Field Tests	Materia Type		Description		Dept (ft)
10 - 15 - 200 - 100 20 - 100	- 45 - 40 - 35 - 30 - 25 - 25 - 20 - 20		1.5" CP cossing of treatment #3 Sano 1.5" State vapor re Bottom	ment grout wer supply VC shedule 80 connected to nt system inless steel covery screen end cap tive backfill ctrode element				PID=3.2 Sheen=None PID=1.3 Sheen=None PID=0.7 Sheen=None PID=0 Sheen=None		SAND moist, to course SAND to medi odor	CLAY (CL-ML); wery moist, gray of exploration at 28 ft. bgs.	n sand, 20% fine to -brown; 30% fine debris present, no % fine sand, brick	- 10 - 15 - 20 - 25 - 30
	Lec	gend											
Sample		<u>,</u>				Water Level	No Wate	er Encountered		of symbo		Exploration Log N5 Sheet 1 of 1	on

	A.	cno	~ +			Spi	c N Spai	n - 060172 e Specific Location			Electrode and Vapo	r Recovery	Log
7		Spe						e Specific Location St,, Seattle, WA			Coordinates (SPN NAD83 ft) E:1272431.00 N:220959.00 (es	Exploration Num	nber
		ontractor		Equi	pment	002	Doar Doill	Sampling Metho	d		Ground Surface Elev. (NAVD88)	¹ N6	
	Holt S	Services In	nc	CM	E-85			Grab			50' (est)		
	(Operator		Exploratio	n Metho	d(s)	1	Work Start/Completion	Dates		Top of Casing Elev. (NAVD88)	Depth to Water (Bel	low GS)
	Joh	n Bennett		12.5-in OD Aເ	Hollow uger	/-stem		10/29/2019			NA	No Water Encou	ntered
Depth (feet)	Elev. (feet)	Explo Cor	oration N	lotes and Details	Sample Type/ID	Sam	Analytical ple Number & ab Test(s)	Field Tests	Materia Type	al	Description		Depth (ft)
											ALT; with base course		_
-	-		1.5" CP' casing of treatment	ment grout wer supply VC shedule 80 connected to nt system				PID=2.7 Sheen=None		20% fin	SAND WITH GRAVEL (SM); slines, fine to medium sand, 15% fires, slightly moist, brown	ne gravel, no odor	;
-	- -		#3 Sand	i						10% fin	e gravel, brick debris present, no	o odor	_
5 -	- 45			inless steel covery screen									- 5
-	-		Bottom	end cap				PID=28 Sheen=None					+
-	_												†
-	-							PID=23 Sheen=None					†
-	-							PID=15 Sheen=None					†
10-	40		Conduct with ele	tive backfill ctrode element									10
-	_												+
-	-												†
-	-												†
-	_									=	(CLAV (CLAM)), moist to uset		_
15-	35							PID=7.7 Sheen=None		sand, n	CLAY (CL-ML); moist to wet, groodor	ау, пасе ппе	15
-	-												†
-	-												†
-	-							PID=12 Sheen=None					†
-	-												†
20-	- 30												-20
-	-							PID=9.7 Sheen=None					†
-	-												†
-	-												†
-	_							PID=5.1 Sheen=None					†
25-	- 25												-25
-	-												†
-	-							PID=0 Sheen=None					†
-	_								W///	Bottom	of exploration at 28 ft. bgs.		+
-	_												†
30-	- 20												-30
	Leç	gend			<u> </u>	1	No Wate	er Encountered			loration Log Key for explanation	Explorati	or
Sample	25.					Water Level	NO Wale	, Liloduliteleu		of symbo	ols	Log N6 Sheet 1 of 1	

	Aspect		F	Spic N Spar Project Address & Site	e Specific Location			Electrode and Vapo Coordinates (SPN NAD83 ft)	Exploration Number
	CONSULTING			652 S Dear Born S		,		E:1272407.00 N:220945.00 (es	^{‡)} P5
	Contractor		ipment		Sampling Metho	od		Ground Surface Elev. (NAVD88)	
<u> </u>	Holt Services Inc Operator	CME 850X t	n Method(s		Grab Work Start/Completion	n Dotoo		49' (est) Top of Casing Elev. (NAVD88)	Depth to Water (Below GS)
	Dustin Smith	12.5-in OD	Hollow-st	tem	10/16/2019			NA	No Water Encountered
Depth (feet)	Elev. Exploration	Notes and	Sample Type/ID	Analytical Sample Number &	Field Tests	Materia Type		Description	Dept (ft)
10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Neat complete with possible cable cable cable cable cable cable cable services and treatment of the cable ca	ement grout wer supply PVC shedule 80 connected to ent system		Lab Test(s)	PID=2.0 Sheen=None PID=1.0 Sheen=None PID=0.8 Sheen=None PID=0 Sheen=None	iybe	SAND moist, by to course SILTY sand, no	CLAY (CL-ML); very moist to wood debris present, no odor	7-SM); slightly m sand, 20% fine
Sample Type	Legend		Water	No Wate	er Encountered		of symbo		Exploration Log P5 Sheet 1 of 1

	Λ.	spool			Spi	c N Spar	n - 060172			Electrode and Vapo	r Recovery	Log
		spect			Projed	ct Address & Site	e Specific Location			Coordinates (SPN NAD83 ft)	Exploration Nun	nber
-		ONSULTING Contractor		ipment	652	S Dear Born S	St,, Seattle, WA Sampling Metho	nd .		E:1272422.00 N:220945.00 (es Ground Surface Elev. (NAVD88)	[‡] P6	
							Grab	iu				
		Services Inc Operator	Exploration	1E-85	d(c)		Work Start/Completion	n Dates		49' (est) Top of Casing Elev. (NAVD88)	Depth to Water (Bel	low GS)
		n Bennett	12.5-in OD	Hollow	-stem	'	10/15/2019	i Dales		NA	No Water Encou	
Depth	Elev.	Exploration	Notes and	Sample Type/ID		Analytical hple Number &	Field Tests	Materia		Description	1	Dept
(feet)	(feet)	Completion	on Details	Type/ID	L	ab Test(s)		Type	CONC	CRETE: with base course		(ft)
20 - 10 - 15 - 20 - 20 - 20 - 20 - 20 - 20 - 20 - 2	35 - 30 - 25 - 20	1.5" S vapor	cement grout lower supply CPVC shedule 80 grounected to groun system and stainless steel recovery screen are end cap suctive backfill electrode element				PID=1.5 Sheen=None PID=37.5 Sheen=None PID=1.9 Sheen=None PID=0.9 Sheen=None		SAND moist, to course says SAND to media	CLAY (CL-ML); moist to very me sand, no odor CLAY (CT-ML); moist to very me sand, no odor	n sand, 20% fine to	- 5 - 10 - 15 - 20 - 25
30-	Ī											-30
Sample		 gend		1 1	Water Level	No Wate	er Encountered	1	of symbo		Explorati Log P6 Sheet 1 of 1	

	A	200	<u></u>			Spi	c N Spar	า - 060172			Electrode and Vapo	r Recovery	Log
		spe				Projed	ct Address & Site	e Specific Location			Coordinates (SPN NAD83 ft)	Exploration Num	ber
		ON SULT Contractor	ING	Fau	ipment	652	S Dear Born S	St,, Seattle, WA Sampling Metho	ıd		E:1272438.00 N:220945.00 (es Ground Surface Elev. (NAVD88)	[‡] P7	
Ι.		Services In	no		IE-85			Grab	u		50' (est)		
-		Operator	IIC	Exploration		d(s)	<u> </u>	Nork Start/Completion	n Dates		Top of Casing Elev. (NAVD88)	Depth to Water (Belo	ow G.S.)
		in Bennett	t	12.5-in OD A	Hollow	-stem	,	10/14/2019	Datoo		NA	No Water Encour	
Depth (foot)	Elev.	Explo	oration N	lotes and	Sample Type/ID	Sam	Analytical ple Number &	Field Tests	Materia	al	Description	THE Trace Effects	Dept
(leet)	(leet)		Inpletion	Details	Турель	L	_ab Test(s)		Type		CRETE: with base course		(11)
(feet)	- 45 - 45 - 35	Con	Neat ce with poor cable 1.5" CP casing a treatme #3 Sand	ment grout wer supply VC shedule 80 connected to nt system			ab Test(s)	PID=2.1 Sheen=None PID=1.7 Sheen=None PID=0 Sheen=None	Type	SAND odor	CRETE; with base course WITH SILT AND GRAVEL (SW prown; 10% fines, fine to medium gravel, no odor Y SILT (ML); moist, gray-brown;	m sand, 20% fine to 20% fine sand, no wn; 20% fine sand,	- - - - - - -
100 LOG TEMPLATE P::GIN INVESTOLES SUGOI 725-PICAN 100 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	-							PID=0 Sheen=None		Bottom	of exploration at 28 ft. bgs.		-25 - - - - - - -
\$	1 -											ſ	
Sample Type		gend				Water Level	No Wate	er Encountered		of symbo		Exploration Log P7 Sheet 1 of 1	on

	Ą	sp	ec	h		Spi Projec	c N Spar t Address & Site	n - 060172 e Specific Location			Temperature Mo	enitoring Log Exploration Num	
		NS U	or		iipment	652 5	S Dear Born S	St., Seattle, WA Sampling Metho	nd		E:1272471.00 N:221095.00 (es Ground Surface Elev. (NAVD88)	TMPB-	-3
		Servic			лрттетк ЛЕ-85			Grab	iu		50' (est)		
		Operato		Exploration	on Metho	d(s)	ı	Nork Start/Completion	n Dates		Top of Casing Elev. (NAVD88)	Depth to Water (Bel	low GS)
	Joh	n Ben	nett	8.5" OD Hollow-S	X 4.25 Stem Au	" ID ıger		9/3/2019			NA	No Water Encou	ntered
Depth (feet)	Elev. (feet)		Exploratio Complet	on Notes and tion Details	Sample Type/ID	Sam	Analytical ple Number & ab Test(s)	Field Tests	Mater Type	ial e	Description		Dept (ft)
- - 5 -	- 45		Neat	h mounted ument in cement t cement grout Carbon steel				PID=10.3 Sheen=None		SAND moist, b gravel, i SILTY gray-bro	ALT; with base course WITH SILT AND GRAVEL (SP rown; 10% fines, fine to mediur no odor SAND WITH GRAVEL (SM); sl own; 25% silt, fine to medium sa orick and concrete debris preser	n sand, 15% fine lightly moist, and, 15% fine	- - - - 5
- - 10- - -	- - - 40							PID=11.0 Sheen=None	7	SAND	Y SILT (ML); moist, gray-brown sand, 10% fine gravel, no odor	; 25% fine to	- - - - 10
- 15- - -	35												-15 -
- 20 - - -	- 30							PID=2.0 Sheen=None			SAND (SM); wet, brown; 25% to sand, 10% fine gravel, no odor		20
25 - - -	- 25		Botto	om end cap						Bottom	of exploration at 25 ft. bgs.		25
30-	20												-30
20-		gend				Water Level	No Wate	er Encountered		of symbol Logged I		Exploration Log TMPB-3	3

	Λ.	6 hz				Spi	c N Spar	า - 060172		_	Temperature Mo	nitoring Lo	g
			OCT ULTING			-		e Specific Location St,, Seattle, WA			Coordinates (SPN NAD83 ft) E:1272463.00 N:221067.00 (esi	Exploration Nun	
		Contra		Egu	ipment	052	S Dear Born 3	Sampling Metho	od		Ground Surface Elev. (NAVD88)	TMPD.	-4
	Holt S	Servi	ces Inc		1E-85			Grab			51' (est)		
	(Opera	tor	Exploration	n Metho	od(s)	ı	Work Start/Completion	n Dates		Top of Casing Elev. (NAVD88)	Depth to Water (Bel	low GS)
	Joh	ın Be	nnett	8.5" OD Hollow-S	X 4.25 Stem A	" ID uger		9/3/2019			NA	No Water Encou	ıntered
Depth (feet)	Elev. (feet)		Exploration N Completion	Notes and Details	Sample Type/II	Sam	Analytical ple Number & ab Test(s)	Field Tests	Materia Type	al	Description		Depth (ft)
		1 -	- 1				()		[1]		ALT; with base course		_
-	50		Flush m monum	nounted lent in cement						moist, b		sand, 15% fine	<u> </u>
-	+		Neat ce	ement grout				PID=8.2 Sheen=None		gray-bro	Y SILT WITH GRAVEL (ML); slig own; 25% fine to medium sand, 1 d concrete debris present, no od	15% fine gravel,	+
5 -	45		1.5" Ca casing	rbon steel									- 5 -
-								PID=11.1 Sheen=None					+
10-													- 10
- -	40							PID=7.6 Sheen=None		SILTY gravel, ı	CLAY (CL-ML); moist, gray; 15% no odor	% fine sand, 15%	- - - +
15 - -	- 35							PID=6.4 Sheen=None		SAND medium	Y SILT (ML); very moist, gray-bro sand, 10% gravel, no odor	own; 20% fine to	-15 -
20-	- 30							PID=2.0 Sheen=None			SAND (SM); wet, brown; 20% fi sand, 10% gravel, no odor	nes, fine to	20
-	_							PID=0.9 Sheen=None	7	SAND no odor	Y SILT (ML); wet, brown; 30% sa	and, 10% gravel,	+
25 - -	25		Bottom	end cap						Bottom	of exploration at 25 ft. bgs.		25
-	_												†
30-	_												-30
Sample		gend			1 1	Water Level	No Wate	er Encountered		of symbo		Explorati Log TMPD-4	1

	A		ect			Projec	t Address & Site	n - 060172 Specific Location				Temperature M Coordinates (SPN NAD83 ft)	Exploration N	lumber
		Contrac	otor	Equ	ipment	652 8	b Dear Born S	St,, Seattle, WA Sampling Metho	nd			E:1272507.00 N:221067.00 (Ground Surface Elev. (NAVD88)-7
			es Inc		1E-85			Grab				51' (est)		
		<i>Operat</i> nn Bei		Exploration 8.5" OD Hollow-S	n Metho X 4.25	d(s) " ID	۱	Nork Start/Completion 9/3/2019	n Date	S		Top of Casing Elev. (NAVD88) NA	Depth to Water (I	•
Depth (feet)	Elev.		Exploration Completion		Sample Type/ID	Sam	Analytical ple Number &	Field Tests	Mat	erial		Description	No Water End	Depti (ft)
(.001)	(.001)		- N		.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		ab Test(s)		.,	111		ALT; with base course		(.,,
-	50		Flush	mounted ment in cement				PID=0.7 Sheen=None]},	medium	Y SILT (ML); slightly moist, br sand, 10% fine gravel, no od	or 	
-	+		Neat o	ement grout				PID=5.5 Sheen=None			to mediu	SAND (SM); slightly moist, br um sand, 5% fine gravel, brick , no odor	own; 15% fines, fi and concrete deb	ne _ ris _
5 -			1.5" C casing	arbon steel										- 5
-	45													
-	_													+
-	<u> </u>													-
10-	† 										SAND	Y SILT (ML); moist, brown; 20		10
-	+ 40							PID=7.0 Sheen=None			sand, tra	ace fine gravel, no odor	70 11110 10 1110 1110	
-	+													+
-	+													
15-								PID=7.5 Sheen=None			SAND' medium	Y SILT (ML); very moist, brow a sand, no odor	n-gray; 15% fine to	D -15
-	35													Ī
-	_													+
-														+
20-	30										SAND	Y SILT (ML); wet, brown; 30%	 fine to medium	20
_	- 30							PID=2.2			sand, 10	0% gravel, no odor		-
-								Sheen=None						-
-	+													+
25-	25		Botton	n end cap										-25
-	23		Douon	one oap						_	Bottom	of exploration at 26 ft. bgs.		-
-	<u> </u>													+
-														+
30-														-30
e e		gend				<u></u>	No Wate	er Encountered			See Explored See Explored	oration Log Key for explanation	Explora	
Sample 20-	2					Water Level					Logged b		Log TMPD Sheet 1 c	-7

	A.	<u> </u>	4			Spi	c N Spai	n - 060172			Vapor Recov	ery Log	
		SPE	CT			Projed	ct Address & Site	e Specific Location St,, Seattle, WA			Coordinates (SPN NAD83 ft) E:1272471.00 N:221101.00 (es	Exploration Num	
		Contractor	1110	Equ	ipment	032 (Dear Born	Sampling Meth	od		Ground Surface Elev. (NAVD88)	[™] VPB3-	4
	Holt S	Services I	nc	CM	IE-85			Grab			50' (est)		
	(Operator		Exploration	n Metho	d(s)		Nork Start/Completion	n Dates		Top of Casing Elev. (NAVD88)	Depth to Water (Beld	ow GS)
	Joh	n Bennet	t	12.5-in OD Au	uger	7-316111		8/30/2019		1	NA	No Water Encou	ntered
Depth (feet)	Elev. (feet)	Expl Co	oration N mpletion	lotes and Details	Sample Type/ID	Sam	Analytical ple Number & .ab Test(s)	Field Tests	Materia Type	ı	Description		Depti (ft)
1 - 2 - 3 - 4 - 5 - 6 - 6	- 49 - 48 - 47 - 46 - 45 - 44 - 41 - 40		Controll with 1.5 connect treatme	ed density fill " CPVC pipe ted to nt system			ab lest(s)	PID=9.8 Sheen=None		SAND moist, be course of sand gray-brofine gray	WITH SILT AND GRAVEL (SPrown; 10% fines, fine to mediun gravel, no odor Y SILT WITH GRAVEL (ML); sli own; 30% fine to medium, trace vel, brick and concrete debris professional control of exploration at 10 ft. bgs.	n sand, 20% fine to	- 1 - 2
Sample		gend				Water Level	No Wate	er Encountered		of symbo		Exploration Log VPB3-4 Sheet 1 of 1	ļ

	<u> </u>		201			Spi	c N Spai	n - 060172			Vapor Recov	ery Log	
		Sp(ect			Proje	ct Address & Site	e Specific Location			Coordinates (SPN NAD83 ft)	Exploration Num	
—		Contracto	LTING	Eau	ipment	652	S Dear Born &	St,, Seattle, WA Sampling Methor	od		E:1272487.00 N:221101.00 (es Ground Surface Elev. (NAVD88)	YPB4-	·5
		Service		1	лЕ-85			Grab			50' (est)		
		Operato		Exploration	on Meth	od(s)	1	Work Start/Completic	n Dates		Top of Casing Elev. (NAVD88)	Depth to Water (Bel	low GS)
	Joh	nn Beni	nett	12.5-in OE A) Hollov uger	w-stem		8/29/2019			NA	No Water Encou	ntered
Depth (feet)	Elev. (feet)	. E	Exploration Completion	Notes and on Details	Sampl Type/li	e Sam	Analytical pple Number & ab Test(s)	Field Tests	Material Type		Description		Depti (ft)
							<u>- 222 1001(0)</u>			ASPH	ALT; with base course		
1 -	- 49		Control with 1 conne treatm	olled density fill .5" CPVC pipe cted to ent system						SAND fines, fir odor	WITH GRAVEL (SW); slightly ne to medium sand, 25% fine to	noist, brown; <5% course gravel, no	- 1
2 -	48	38											- 2
3 -	- 47		Fine s	and				PID=9.7 Sheen=None		gray-bro	Y SILT WITH GRAVEL (ML); sli own; 20% fine to medium sand, e debris, hard drilling, no odor	ghtly moist, 15% fine gravel,	- 3
4 -	46												- 4
5 -	45		1.5" S screei	tainless steel				PID=11.2 Sheen=None					- 5
6 -	- 44												- 6
7 -	43							PID=4.6 Sheen=None					- 7
8 -	42		Bottor	n end cap									- 8
9 -	- 41												- 9
10-	40									Bottom	of exploration at 10 ft. bgs.		10
11-	- 39												-11
Sample 8 - 10-		gend				Water Level	No Wate	Encountered		of symbol Logged b		Exploration Log VPB4-5	5

	Λ.	200	<u></u>			Spi	c N Spai	n - 060172 e Specific Location			Vapor Recov	ery Log	
	C	SPE	ING					e Specific Location St,, Seattle, WA			Coordinates (SPN NAD83 ft) E:1272463.00 N:221087.00 (es	Exploration Nur	
		Contractor		Equ	ipment			Sampling Metho	od		Ground Surface Elev. (NAVD88)		-4
		Services I	Inc		1E-85	1/)		Grab			50' (est)	D # / 11/ / /D	
		Operator		Exploration 12.5-in OD A	on Metho Hollov	d(s) v-stem		Work Start/Completio	n Dates		Top of Casing Elev. (NAVD88)	Depth to Water (Be	,
	Jor	nn Bennet	tt	A	uger		Analytical	8/29/2019	1		NA	No Water Encou	
Depth (feet)	Elev. (feet)	Exp Co	loration Nompletion	Notes and Details	Sample Type/ID	Sam	nple Number & Lab Test(s)	Field Tests	Material Type		Description		Depti (ft)
1 - 2 - 3 - 6 - 6 - 6 - 6 - 6 - 6 - 6 - 6 - 6	49 48 47 46 45 44 43		Controll with 1.5 connect treatment from the sale of t	led density fill "'CPVC pipe ted to nt system	Турель		ab Test(s)	PID=1.2 Sheen=None	Туре	SAND fines, fin odor SILTY gray-bro gravel, h	ALT; with base course WITH GRAVEL (SP); slightly me to medium sand, 20% fine to SAND WITH GRAVEL (SM); sl swn; 20% fines, fine to medium prick and concrete debris preser	course gravel, no ightly moist, sand, 15% fine	- 1 - 2 - 3 - 4 - 5 - 6 - 7 - 8 - 9 - 10
ATION LOG LEMPLATE P	39												-11
	Le	gend								Co- F '	eration Lag Verifer content		
Sample						Water Level	No Wate	er Encountered		of symbol Logged b		Explorati Log VPC3-4 Sheet 1 of	1

	<u> </u>						Spi	c N Spar	n - 060172 e Specific Location			Vapor Recov	very Log	
		Sp (EC]						e Specific Location St,, Seattle, WA			Coordinates (SPN NAD83 ft) E:1272479.00 N:221087.00 (es	Exploration Nun	
—		Contracto		-	Equi	ipment	052	S Dear Born S	Sampling Meth	od		Ground Surface Elev. (NAVD88)	** VPC4-	·5
		Service				IE-85			Grab			50' (est)		
		Operato		+	Exploratio	n Meth	od(s)	ı	Nork Start/Completi	on Dates		Top of Casing Elev. (NAVD88)	Depth to Water (Bel	low GS)
	Joh	nn Beni	nett	12	in OD-5.! Au	Hollo\ uger	v-stem		8/28/2019			NA	No Water Encou	ntered
Depth (feet)	Elev. (feet)	. E	xploration Complet	n Notes	and ails	Sampl Type/II	e Sam	Analytical ple Number & ab Test(s)	Field Tests	Mater Type	ial e	Description		Depth (ft)
1 -	49		Control with	rolled do	ensity fill PVC pipe				PID=5.0 Sheen=None		∴ SAND	ALT; with base course WITH GRAVEL (SP); slightly me to medium sand, 20% fine to	noist, brown; >10% course gravel, no	
2 -	- 48	84848	treatr	sand	o vstem				Sileer-Noile		to mediu	Y SILT (ML); slightly moist, gray um sand, 10% fine gravel, brick bresent, no odor	r-brown; 30% fine and concrete	- 2
3 -	- 47		Fine	sand										- 3
4 -	46													- 4
5 -	45		1.5" scree	Stainles en	ss steel				PID=24.3 Sheen=None					- 5
6 -	44													- 6
7 -	43								PID=7.5 Sheen=None					- 7
8 -	42		Botto	om end	cap									- 8
9 -	41													- 9
10-	40										Bottom	of exploration at 10 ft. bgs.		10
11-	- 39													-11
8 - 9 - 111-		gend			_	1 1	Water Level	No Wate	er Encountered		of symbol Logged k		Explorati Log VPC4-5 Sheet 1 of 1	5

	<u> </u>	<u> </u>				Spi	c N Spai	n - 060172 e Specific Location			Vapor Recov	ery Log	
		SPE	CT					e Specific Location St,, Seattle, WA			Coordinates (SPN NAD83 ft) E:1272495.00 N:221087.00 (es	Exploration Nun	
		Contractor		Equ	ipment	032	Deal Boill	Sampling Meth	od		Ground Surface Elev. (NAVD88)	VPC5-	-6
	Holt :	Services	Inc	CM	1E-85			Grab			50' (est)		
	(Operator		Exploration 12.5-in OD	n Metho	d(s)		Work Start/Completion	n Dates		Top of Casing Elev. (NAVD88)	Depth to Water (Be	low GS)
	Joh	n Benne	ett	12.5-in OD A	uger	v-Sterri		8/28/2019			NA	No Water Encou	ıntered
Depth (feet)	Elev. (feet)	Ex	ploration I Completion	Notes and n Details	Sample Type/ID	Sam	Analytical uple Number & _ab Test(s)	Field Tests	Materia Type	ı	Description		Depti (ft)
1 - 2 - 3 - 5 - 6 - 6 -	- 49 - 48 - 47 - 46 - 45 - 44 - 43		Control with 1.5 connect treatment of the same same same same same same same sam	led density fill 5" CPVC pipe ted to ent system	Турель		ab Test(s)	PID=3.1 Sheen=None	Type	SAND gray-broand con	ALT; with base course WITH GRAVEL (SP); slightly m 5% fine to course gravel, no odd Y SILT WITH GRAVEL (ML); sl own; 20% fine to medium sand, icrete fragments present, no odd of exploration at 10 ft. bgs.	ightly moist, 15% gravel, brick	- 1 - 2 - 3 - 4 - 5 - 6 - 7 - 8 - 9
11-	- 39												-11
	Le	gend								Soo Fuel	oration Log Kou for audionation		
Sample						Water Level	No Wate	er Encountered		of symbol Logged b		Explorati Log VPC5-6 Sheet 1 of	5

	Λ.	200	<u></u>			Spi	ic N Spa	n - 060172 e Specific Location			Vapor Recov	ery Log	
		SPE	CT					e Specific Location St,, Seattle, WA			Coordinates (SPN NAD83 ft) E:1272470.00 N:221074.00 (es	Exploration Nun	
		Contractor		Equ	iipment		Boar Born	Sampling Meth	od		Ground Surface Elev. (NAVD88)	[™] VPD4-	5
		Services	nc	1	1E-85			Grab			51' (est)		
		Operator		Exploration 12.5-in OE	on Meth Hollo	od(s) w-stem		Work Start/Completic	n Dates		Top of Casing Elev. (NAVD88)	Depth to Water (Bel	
	Joh	n Bennet	t	12.5-in OE A	uger			8/27/2019			NA NA	No Water Encou	ntered
Depth (feet)	Elev. (feet)	Exp Co	loration Nompletion	Notes and n Details	Samp Type/I	e Sam	Analytical nple Number & Lab Test(s)	Field Tests	Materia Type	ıl	Description		Depth (ft)
(feet) (feet) 1 - 2 - 3 - 4 - 5 - 7 - 7 - 7 - 7 - 7 - 7 - 7 - 7 - 7	Fine sal Fin		led density fill "CPVC pipe ted to int system	Type/I	n Can	iple Number & Lab Test(s)	PID=4.3 Sheen=None	Туре	SAND medium SAND gray-bro gravel, I	ALT; with base course (SP); slightly moist, brown; >5% is sand, trace gravel, no odor Y SILT WITH GRAVEL (ML); slightly moist, gray is sand, 10% fine gravel, brick de	ghtly moist, 15% fine to course t, no odor	- 1 - 2 - 3 - 4	
TION LOG TEMPLATE P:GINTWP	40										of exploration at 10 ft. bgs.		-11
-	Le	gend						1					
Sample Type		-				Water Level	No Wate	er Encountered		of symbol Logged I		Explorati Log VPD4-5 Sheet 1 of 1	5

	$\overline{\Lambda}$	cno	1			Spi	c N Spai	n - 060172			Vapor Recov	ery Log	
		2he						e Specific Location			Coordinates (SPN NAD83 ft)	Exploration Nun	
		ON SULT Contractor	IING	Eau	ipment	652 8	Dear Born	St., Seattle, WA Sampling Metho	od		E:1272486.00 N:221074.00 (es Ground Surface Elev. (NAVD88)	🖞 VPD5-	-6
		Services	Inc		1E-85			Grab			50' (est)		
		Operator		Exploration	on Metho	d(s)	I	Work Start/Completio	n Dates		Top of Casing Elev. (NAVD88)	Depth to Water (Bel	low GS)
	Joh	nn Benne	tt	12.5-in OE A) Hollow uger	-stem		8/27/2019			NA	No Water Encou	ıntered
Depth (feet)	Elev.	Exp C	oloration No	Notes and n Details	Sample Type/ID	Sam	Analytical ple Number & ah Test(s)	Field Tests	Materia Type	I	Description		Depti (ft)
New Standbard Exploration Log Template 1 5 3023	Elev.	Exp	Controll With 1.5 Connec treatments	Notes and n Details led density fill ""CPVC pipe ted to ent system	Sample Type/ID	Sam	Analytical ple Number & ab Test(s)			ASPH/ GRAV moist, g fine to c debris p		/-GM); slightly ne to course sand, and concrete	Depti
MPROJECTS/060	40									Bottom	of exploration at 10 ft. bgs.		10
ATION LOG TEMPLATE P:\GINTI	- 39												-11
NEW STANDARD EXPLORA Sample Type		gend			1 1	Water Level	No Wate	er Encountered		of symbo		Explorati Log VPD5-6	;

	Λ.	0 ID G	<u></u>			Spi	c N Spai	n - 060172			Vapor Reco	ery Log	
		SPE	CT			Projed	ct Address & Site	e Specific Location St,, Seattle, WA			Coordinates (SPN NAD83 ft) E:1272504.00 N:221074.00 (es	Exploration Nun	
		Contractor	ING	Equ	ipment	032	Dear Boili	Sampling Metho	od		Ground Surface Elev. (NAVD88)	[™] VPD6-	·7
	Holt 9	Services	Inc	CM	IE-85			Grab			51' (est)		
	(Operator		Exploration	n Metho	od(s)		Work Start/Completio	n Dates		Top of Casing Elev. (NAVD88)	Depth to Water (Bel	low GS)
	Joh	n Benne	tt	12.5-in OD Aı	uger	v-Sterri		8/23/2019	_	1	NA	No Water Encou	ntered
Depth (feet)	Elev. (feet)	Exp C	loration Nompletion	Notes and Details	Sample Type/IE	Sam	Analytical pple Number & ∟ab Test(s)	Field Tests	Materia Type	I	Description		Depth (ft)
3 -	- 50 - 49 - 48 - 47 - 46 - 45 - 44		Control with 1.5 connect treatment t	led density fill " 'CPVC pipe ted to nnt system			ab lest(s)	PID=24.3 Sheen=None		SAND fines, fir odor SAND 15% fine and con	WITH SILT (SP-SM); slightly me to medium sand, 10% fine to Y SILT WITH GRAVEL (ML); sle to medium sand, 15% fine to crete debris present, no odor	course gravel, no	- 1 - 2
11-	+ 40												- 11
		gend					No Mat	or Encountered		See Expl	oration Log Key for explanation	Evalerat:	
Sample	20/5-					Water Level	ino vvate	er Encountered		of symbo	ols	Explorati Log VPD6-7 Sheet 1 of 1	,

	Α.	<u> </u>				Spi	c N Spai	n - 060172 e Specific Location			Vapor Recov	/ery Log	
		SPE	CT					e Specific Location St,, Seattle, WA			Coordinates (SPN NAD83 ft) E:1272463.00 N:221061.00 (es	Exploration Nur	
		Contractor		Equ	ipment	032	Deal Boill	Sampling Metho	od		Ground Surface Elev. (NAVD88)	** VPE4 -	-5
	Holt :	Services	Inc	CM	1E-85			Grab			51' (est)		
	(Operator		Exploration 12.5-in OD	n Metho	od(s)		Work Start/Completio	n Dates		Top of Casing Elev. (NAVD88)	Depth to Water (Be	low GS)
	Joh	n Benne	ett	12.5-in OD A	uger	v-steili		8/23/2019		_	NA	No Water Encou	ıntered
Depth (feet)	Elev. (feet)	Ex	ploration I Completion	Notes and n Details	Sampl Type/II	e Sam	Analytical uple Number & _ab Test(s)	Field Tests	Materia Type	al	Description		Depth (ft)
3 -	- 50		Control with 1.5 connect treatment of the same same same same same same same sam	led density fill 5" CPVC pipe ted to ent system			ab lest(s)	PID=15.4 Sheen=None PID=15.3 Sheen=None		ASPHA SILTY to media debris p	SAND (SM); slightly moist, brown sand, 10% fine gravel, concresent, no odor WITH SAND (ML); slightly moist in sand, 10% fine to course grave	ete and brick , gray; 20% fine to	- 1
10-	+ 41	•	_							Bottom	of exploration at 10 ft. bgs.		10
11-	40												-11
	Le	gend								• -			
Sample		-				Water Level	No Wate	er Encountered		of symbol Logged b		Explorati Log VPE4-5 Sheet 1 of	5

	Λ.	010.6				Spi	c N Spai	n - 060172 e Specific Location			Vapor Recov	ery Log	
		SPE	CT								Coordinates (SPN NAD83 ft) E:1272478.00 N:221060.00 (es	Exploration Numb	
		Contractor	IING	Equ	ipment	052	S Dear Born 3	St,, Seattle, WA Sampling Methor	od		Ground Surface Elev. (NAVD88)	[™] VPE5-6	6
		Services	Inc		, 1E-85			Grab			51' (est)		
		Operator		Exploration	n Metho	od(s)	1	Work Start/Completic	n Dates		Top of Casing Elev. (NAVD88)	Depth to Water (Belo	w GS)
	Joh	nn Benne	ett	12.5-in OD A	Hollow uger	v-stem		8/22/2019			NA	No Water Encoun	itered
Depth (feet)	Elev. (feet)	Exp	oloration No	Notes and n Details	Sample Type/ID	Sam	Analytical hple Number & Lab Test(s)	Field Tests	Materia Type	I	Description		Depti (ft)
3 - 4 - 5 - 6	- 50 - 49 - 48 - 47 - 46		Control with 1.5 connect treatments	led density fill 5" CPVC pipe ted to ent system			an lest(s)	PID=8.1 Sheen=None		SILTY 20% find no odor	SAND WITH GRAVEL (SM); sles, fine to course sand, 15% fine to rourse sand, 15% fine to course gray, no odor	e to course gravel,	- 1 - 2 - 3
Sample 10-	+ 44 + 43		Bottom	end cap									+ 7 - 8
9 -	42							PID=14.0 Sheen=None					9
10-	+ 41		.]							Bottom	of exploration at 10 ft. bgs.		10
11-	40												-11
<u> </u>	Le	gend						1		0. 5 :			1
Sample	adk-					Water Level	No Wate	er Encountered		of symbo		Exploration Log VPE5-6 Sheet 1 of 1	on

	$\overline{\lambda}$	cno	<u></u>			Spi	c N Spar	า - 060172			Vapor Recov	ery Log	
		DNSULT						e Specific Location St,, Seattle, WA			Coordinates (SPN NAD83 ft) E:1272493.00 N:221060.00 (es	Exploration Nun	
		Contractor	ING	Equ	ipment	032	Dear Born	Sampling Meth	od		Ground Surface Elev. (NAVD88)	[‡] VPE6-	-7
	Holt	Services	Inc	CM	1E-85			Grab			51' (est)		
		Operator		Exploration	on Metho	d(s)	ı	Work Start/Completic	n Dates		Top of Casing Elev. (NAVD88)	Depth to Water (Be	low GS)
	Jol	hn Benne	tt	12.5-in OD A) Hollow uger	-stem		8/21/2019			NA	No Water Encou	ıntered
Depth (feet)	h Elev) (feet	Exp	loration Nompletion	Notes and n Details	Sample Type/ID	Sam	Analytical ple Number & ab Test(s)	Field Tests	Materia Type	I	Description		Depti (ft)
NEW STANDARD EXPLORATION LOG TEMPLATE P/GINTYWPROJECT/Signori72-SPIC N SPAN SUBSURFACE INSTALLATION GPJ May 15, 2023 Sample Sample 1	Fine s 3 - 48 5 - 46 1.5' S 5 - 47 6 - 47 7 - 44 1 - 40 Legend		Controll with 1.5 connect treatme	led density fill 5" CPVC pipe ted to ent system	Sample Type/ID	Sam	Analytical ple Number & ab Test(s)	PID=0.0 Sheen=None PID=0.0 Sheen=None PID=0.0 Sheen=None PID=0.0 Sheen=None		ASPH/ GRAV fine to co odor SAND moist, b no odor	ALT; with base course EL WITH SILT (GW-GM); slight course subangular gravel, fine to with the subangular gravel and the subangular gravel. WITH SILT AND GRAVEL (SParown; fine to medium sand, fine subangular gravel)	course sand, no	Dept (ft) - 1 - 2 - 3 - 4 - 5 - 6 - 7 - 8 - 9
N LOG TEMPLAT	+ 40												-11
XPLORATIO	Le	gend					NI W			See Expl	oration Log Key for explanation	P 11	
Sample	lype					Water Level	ino Wate	er Encountered		of symbo	ls	Explorati Log VPE6-7 Sheet 1 of 2	•

	Λ.	0 D C				Spi	c N Spai	n - 060172 e Specific Location			Vapor Recov	ery Log	
	CC	She	TING					St,, Seattle, WA			Coordinates (SPN NAD83 ft) E:1272508.00 N:221060.00 (es	Exploration Num VPE7-	
		Contractor			ipment			Sampling Meth	od		Ground Surface Elev. (NAVD88)	VFL/-	O
		Services Operator	Inc	CN Exploration	1E-85	nd(c)		Grab Work Start/Completion	n Datas		51' (est) Top of Casing Elev. (NAVD88)	Depth to Water (Belo	ow GS)
		operator nn Benne	2 ##	12.5-in OD	Hollo Hollo	v-stem	'	8/21/2019			NA	No Water Encour	
Depth (foot)	Elev. (feet)	Ex		Notes and	Sampl Type/II	e Sam	Analytical pple Number &	Field Tests	Materia Type	ı	Description	140 Water Endour	Depti (ft)
(1001)	(1001)		Z Completion	1 Dottallo	Туролі	-	_ab Test(s)		Туро	ASPH/	ALT; with base course		(1.)
1 -	- 50		Control with 1.5 connect treatment	led density fill 5" CPVC pipe ted to unt system				PID=0.1 Sheen=None		moist, b	WITH SILT AND GRAVEL (SP- rown; fine to medium sand, fine ick and concrete debris, no odor	to course gravel,	- 1
2 -			Fine sa	nd									- 2
3 -	+ 48 + 47									SAND	WITH SILT (SP-SM); slightly m sand, trace fine gravel, no odor	oist, brown; fine to	+ 3 - - 4
5 -	- 46			ainless steel				PID=0.0 Sheen=None					- 5
1	45												- 6 - 7
8 -	43		Bottom	end cap				PID=0.0					- 8
9 -	42							Sheen=None					- 9
10-	41		.]							Bottom	of exploration at 10 ft. bgs.		10
11-	40												-11
Sample 8 - 10-		gend				Water Level	No Wate	Encountered		of symbol Logged b		Exploration Log VPE7-8 Sheet 1 of 1	

	Λ.	<u> </u>	\			Spi	c N Spai	n - 060172			Vapor Recov	ery Log	
	CC	SPE	CT TING			Proje	ct Address & Site	e Specific Location St,, Seattle, WA			Coordinates (SPN NAD83 ft) E:1272437.00 N:221046.00 (es	Exploration Nur	
		Contractor		Equ	ipment			Sampling Meth	od		Ground Surface Elev. (NAVD88)	VPF3-	-4
		Services	Inc	CME 850X				Grab	D (52' (est)	D # / 14/ / /D	
		<i>Operator</i> stin Smi	th	Exploration 12.5-in OD A	n Metn Hollo	oa(s) w-stem		Work Start/Completion 11/12/2019			Top of Casing Elev. (NAVD88) NA	Depth to Water (Be	-
				1	1		Analytical					INO Water Effcot	
(feet)	Elev. (feet)) (pioration i Completion	Notes and n Details	Sampl Type/I	e Sam	nple Number & _ab Test(s)	Field Tests	Materia Type		Description		Depth (ft)
3 -			Fine sa	led density fill "CPVC pipe ted to ent system and						SAND moist, b	ALT; with base course WITH SILT AND GRAVEL (SPort of the grown fine to medium sand; fine grown fine to medium sand; fine grown fine for the grown	gravel	- 1 - 2 - 3
Sample 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	- 46 - 45							PID=2.1					- 6 - 7
8 -	- 44		Bottom	end cap									- 8
9 -	43							PID=1.8					9
10-	42		. <u>.</u>							Bottom	of exploration at 10 ft. bgs.		10
11-	- 41												-11
Sample		gend				Water Level	No Wate	er Encountered		of symbol Logged b		Explorati Log VPF3-4 Sheet 1 of	ı

	Λ.	0 10 6				Spi	c N Spai	n - 060172			Vapor Recov	ery Log	
		SPE	TING			Projed	ct Address & Site	e Specific Location St,, Seattle, WA			Coordinates (SPN NAD83 ft) E:1272414.00 N:221032.00 (es	Exploration Numb	
		Contractor		Equ	ipment	002	B Bear Berry	Sampling Metho	od		Ground Surface Elev. (NAVD88)	[™] VPG2-3	3
		Services	Inc		IE-85			Grab			50' (est)		
		Operator -		Exploration 12.5-in OD A	<i>n Metho</i> Hollow	d(s) /-stem	1	Work Start/Completio			Top of Casing Elev. (NAVD88)	Depth to Water (Below	
		nn Benne					Analytical	10/30/2019			NA NA	No Water Encoun	
Depth (feet)	Elev. (feet)	Exp C	oloration Nonpletion	Notes and n Details	Sample Type/ID	Sam	pple Number & ab Test(s)	Field Tests	Materia Type		Description		Depth (ft)
3 - 4 - 6 - 6 -	- 49		Control with 1.5 connect treatments	led density fill "' CPVC pipe ted to nnt system			ad Test(s)	PID=1.6 PID=0		SILTY fine to c	SAND WITH GRAVEL (SM); sl course sand; fine gravel VITH SAND (ML); slightly moist, um sand; fine gravel; brick debris	gray brown; fine	- 1 - 2 - 3
NEW STANDARD EXPLORATION LOG TEMPLATE PIGN TWPROJECT SUGGITZ-SPIC N SPAN SUBSURFACE INSTALLATION GPJ May 15, 2023 Sample Type Type	- 42		Bottom	end cap									- 8
9 -	41							PID=0					9
10 -	40									Bottom	of exploration at 10 ft. bgs.		- 10
11 -	39												-11
	Le	gend								0	anation I an Market I		
Sample Two						Water Level	No Wate	er Encountered		of symbol Logged b		Exploration Log VPG2-3 Sheet 1 of 1	n

	Λ.	spost			Spi	c N Spai	า - 060172			Vapor Recov	ery Log	
	CC	SPECT SNSULTING			Projec	ct Address & Site	e Specific Location St,, Seattle, WA			Coordinates (SPN NAD83 ft) E:1272431.00 N:221032.00 (es	Exploration Number	
		Contractor	Equ	ipment			Sampling Metho	od		Ground Surface Elev. (NAVD88)	VPG3-4	ł
		Services Inc	CME 850X				Grab	5.4		51' (est)	D # / 14/ / /D /	001
		Operator stin Smith	Exploration 12.5-in OD A	Hollow	a(s) -stem	'	Work Start/Completion 11/12/2019			Top of Casing Elev. (NAVD88) NA	Depth to Water (Below No Water Encount	
- ·	Ι					Analytical						
(feet)	Elev. (feet)	Exploration N Completion	Notes and n Details	Sample Type/ID	Sam L	Analytical ple Number & .ab Test(s)	Field Tests	Material Type		Description		Depti (ft)
5 -	- 49 - 48 - 47 - 46 - 45 - 44 - 43						PID=1.8		SAND moist, b	ALT; with base course WITH SILT AND GRAVEL (SPort of the country	gray brown; fine	- 1 - 2 - 3 - 4 - 5 - 6 - 7 - 10
Sample Type		gend		1	Water Level	No Wate	er Encountered		of symbol Logged k		Exploratio Log VPG3-4 Sheet 1 of 1	n

	Λ.	on oat			Spi	c N Spai	า - 060172			Vapor Recov	ery Log	
		SPECT			Projec	t Address & Site	e Specific Location St,, Seattle, WA			Coordinates (SPN NAD83 ft) E:1272480.00 N:221032.00 (es	Exploration Num	
		Contractor	Equ	ipment	002	Dear Born	Sampling Metho	od		Ground Surface Elev. (NAVD88)	VPG6-	7
	Holt S	Services Inc	CME 850X	track m	ounted		Grab			51' (est)		
	(Operator	Exploration 12.5-in OD	n Metho	d(s) -stem		Nork Start/Completio	n Dates		Top of Casing Elev. (NAVD88)	Depth to Water (Belo	ow GS)
	Du	stin Smith	12.5-in OD Aı	uger			11/19/2019		1	NA	No Water Encour	ntered
Depth (feet)	Elev. (feet)	Exploration I Completion	Notes and n Details	Sample Type/ID	Sam	Analytical ple Number & .ab Test(s)	Field Tests	Material Type		Description		Depti (ft)
1 - 2 - 3 - 4 - 5 - 6 - 6 - 6 - 6 - 6 - 6 - 6 - 6 - 6	48 48 47 46 44 44 44 44 44 44 44 44 44 44 44 44					au resuls)	PID=1.1 Sheen=None		SAND moist, b	ALT; with base course WITH SILT AND GRAVEL (SPort own; fine to medium sand; fine sand; fine sand; frace gravel; some brick of exploration at 10 ft. bgs.	to coarse gravel	-1 -1 -2 -3 -4 -4 -5 -6 -7 -10 -11
Sample Type		gend			Water Level	No Wate	er Encountered		of symbol Logged k		Exploration Log VPG6-7	

	Λ	coo	<u></u>			Spi	ic N Spai	n - 060172 e Specific Location			Vapor Recov	ery Log	
	CC	PASULT	CT					e Specific Location St,, Seattle, WA			Coordinates (SPN NAD83 ft) E:1272436.00 N:221018.00 (esi	Exploration Num	
		Contractor		Equ	ipment			Sampling Metho	od		Ground Surface Elev. (NAVD88)	VPH4-	Ð
		Services I	nc	CME 850X				Grab			52' (est)		
		Operator		Exploration 12.5-in OD	Hollo	nod(s) w-stem		Work Start/Completio			Top of Casing Elev. (NAVD88)	Depth to Water (Belo	
	Du:	stin Smith	1	Ai	uger		Analytical	11/14/2019			NA	No Water Encour	
Depth (feet)	Elev. (feet)	Exp Co	loration Nompletion	lotes and Details	Samp Type/	ole ID San	Analytical nple Number & Lab Test(s)	Field Tests	Material Type		Description		Depth (ft)
1 - 2 - 3 - 4 - 5 - 6 -	- 51		Controll with 1.5 connect treatme	ed density fill "CPVC pipe ed to nt system and	Турег		Lab Test(s)	PID=2.5	Type	SAND moist, b	ALT; with base course WITH SILT AND GRAVEL (SPorown; fine to medium sand; fine WITH SAND (ML); slightly moist, urm sand; trace gravel; brick debr	to coarse gravel;	- 1 - 2 - 3
9 -	- 43							PID=21					- 9
10-	- 42									Bottom	of exploration at 10 ft. bgs.		10
11-	- 41												-11
Sample		gend				Water Level	No Wate	er Encountered		of symbol Logged I		Exploration Log VPH4-5 Sheet 1 of 1	;

CONSULTING 652 S Dear Born St., Seattle, WA E:1272420.00 N:220955.00 Contractor Equipment Sampling Method Ground Surface Elev. (Site Specific) Holt Services Inc Operator Exploration Method(s) 8.5" OD X 4.25" ID Hollow-Stem Auger CONSULTING 652 S Dear Born St., Seattle, WA E:1272420.00 N:220955.00 Ground Surface Elev. (Site Specific) 99.68' Ecology Well Tag No. BPK 714 Top of Casing Elev. (Site Specific) 98.92' Depth to Water (Below GS) 19.3' (Static)		<u> </u>	cno	<u></u>			Spic	N Spar	า - 060172			Monitoring V	Vell Log	
Contractor Equipment Sampling Method Ground Surface Elev. (Site Specific) Ecology Well Tap No. BPK 714 Top Of Casing Elev. (Site Specific) BPK 714 Depth to Water (Below CS) Site Top Of Casing Elev. (Site Specific) Depth to Water (Below CS) Depth to Water (Below CS) Depth to Water (Below CS) 19.3' (Static) Depth to Water (Below CS) Depth to Water (Belo		•					•		•			Coordinates (SPN NAD83 ft)		
Holt Services Inc Operator Ope				ING	Fau	iinment	652 S	Dear Born S		d		1	− MW-5 I	R
Operator Exploration Methods (Below CS) Hollow-Stem Auger Depth Fleev (Feel Operation Notes and Synchrolic Stem August (Feel Operation Notes and Synchrolic				nc						.			Ecology Well Ta	ag No.
John Bennett B.55*OD X.4.25*ID Hollow-Stem Auger 10/29/2019 98.92' 19.3' (Static) Depth Elev (red) Exploration Notes and Completion Details Sample Number & S					Exploration	on Metho	d(s)	ı		n Dates		1	Depth to Water (Bel	low GS)
Lab Test(s) Flush mounted Neat cement 2. Stainless steel casing 20/40 Sand PID=20 Sheen=None PID=17 Sheen=None PID=17 Sheen=None PID=18 Stainless steel screen 10 Slot stainless steel screen 10 Slot stainless steel screen CLAY WITH SAND (CL); moist, gray, some wood debris present CLAY WITH SAND (CL); moist, gray, some wood debris present		Joh	n Bennet	t	8.5" OD	X 4.25"	'ID		10/29/2019			98.92'	19.3' (Statio	c)
Flush mounted morument Neat cament 2" Stainless steel casing PID=20 Sheen=None PID=17 Sheen=None 10 - 90 1	Depth (feet)	Elev. (feet)	Exp Co	loration Nompletion	lotes and Details	Sample Type/ID	Sampl	e Number &	Field Tests	Materia Type	ıl	Description		Depth (ft)
Neat cement Neat cement SILT WITH SAND (ML); slightly moist, gray brown; fine sand; fine gravel SILT WITH SAND (ML); slightly moist, gray brown; fine sand; fine gravel 2° Stainless steel casing PID=20 Sheen=None 10 Slot stainless steel screen 15 Slot stainless steel screen 16 Slot stainless steel screen 17 Sheen=None CLAY WITH SAND (CL); moist, gray; some wood debris present SILT WITH SAND (ML); slightly moist, gray brown; fine sand; fine gravel 20/40 Sand PID=17 Sheen=None														_
Neat cement 2° Stainless steel casing PID=20 Sheen=None PID=17 Sheen=None 10 Slot stainless steel screen	-	†		Flush m	ounted ent						SILTY	SAND WITH GRAVEL (SM); sli fine medium sand; fine gravel	ghtly moist, gray	+
2" Stainless steel casing 2" Stainless steel casing 2" Stainless steel casing 2" Stainless steel casing 20/40 Sand PID=20 Sheen=None 10 Slot stainless steel screen 10 Slot stainless steel screen CLAY WITH SAND (CL); moist, gray; some wood debris present CLAY WITH SAND (CL); moist, gray; some wood debris present	-	ļ												+
2" Slainless steel casing 2" Slainless steel casing PID=20 Sheen=None PID=17 Sheen=None 10 Slot stainless steel screen CLAY WITH SAND (CL); moist, gray; some wood debris present 15 PID=8.1 Sheen=None	.	1		Neat ce	ment						<u>:</u>			
5 — 95 20/40 Sand PID=20 Sheen=None PID=17 Sheen=None 10 Slot stainless steel screen 11 Sheen=None CLAY WITH SAND (CL); moist, gray; some wood debris present													gray brown; fine	
PID=20 Sheen=None 20/40 Sand PID=17 Sheen=None 10 Slot stainless steel screen PID=8.1 Sheen=None CLAY WITH SAND (CL); moist, gray; some wood debris present	-	†			lless steel							g. a. r.s.		†
Sheen=None 20/40 Sand PID=17 Sheen=None 10 Slot stainless steel screen 15 - 85 PID=8.1 Sheen=None CLAY WITH SAND (CL); moist, gray; some wood debris present PID=8.1 Sheen=None	5 -	95												- 5
Sheen=None 20/40 Sand PID=17 Sheen=None 10 Slot stainless steel screen 15 - 85 PID=8.1 Sheen=None CLAY WITH SAND (CL); moist, gray; some wood debris present PID=8.1 Sheen=None		1							515 44					1
PID=17 Sheen=None 10 Slot stainless steel screen 10 Slot stainless steel screen CLAY WITH SAND (CL); moist, gray; some wood debris present PID=8.1 Sheen=None									Sheen=None					
PID=17 Sheen=None 10 Slot stainless steel screen 10 Slot stainless steel screen CLAY WITH SAND (CL); moist, gray; some wood debris present PID=8.1 Sheen=None		Ī												T
PID=17 Sheen=None 10 Slot stainless steel screen 10 Slot stainless steel screen CLAY WITH SAND (CL); moist, gray; some wood debris present PID=8.1 Sheen=None	-	†		20/40 6	and									+
Sheen=None 10 Slot stainless steel screen 15 85 CLAY WITH SAND (CL); moist, gray, some wood debris present PID=8.1 Sheen=None	-	+		20/40 3	anu				PID=17					+
10 Slot stainless steel screen 15 — 85 CLAY WITH SAND (CL); moist, gray; some wood debris present PID=8.1 Sheen=None	10-	90							Sheen=None					10
15 - 85 CLAY WITH SAND (CL); moist, gray; some wood debris present PID=8.1 Sheen=None	10													10
15 — 85 CLAY WITH SAND (CL); moist, gray, some wood debris present PID=8.1 Sheen=None	-	t												†
15 — 85 CLAY WITH SAND (CL); moist, gray, some wood debris present PID=8.1 Sheen=None	-	+												+
15 — 85 CLAY WITH SAND (CL); moist, gray, some wood debris present PID=8.1 Sheen=None		1		10 Slot	stainless steel									1
CLAY WITH SAND (CL); moist, gray; some wood debris present														
CLAY WITH SAND (CL); moist, gray; some wood debris present	-	1 05												†
PID=8.1 Sheen=None	15-	85									CLAY	WITH SAND (CL): moist_grav:		15
PID=3 Sheen-None PID=3 Sheen-None PID=3 Sheen-None PID=2.1 Sheen-None PID=2.1 Sheen-None PID=3 Sh		1							DID 0.4					1
20 80 1 1/20/2019 201 25 75 Sheen=None PID=3 Sheen=None PID=2.1 Sheen=None PID=2.1 Sheen=None PID=3 Sheen=None PID									Sheen=None					
PID=3 Sheen=None PiD=2.1 Sheen=None PiD=2.1 Sheen=None PiD=2.1 Sheen=None PiD=2.1 Sheen=None PiD=3 Sheen=None PiD=3 Sheen=None PiD=4 Sheen=None PiD=2.1 Sheen=None PiD=3 Sheen=None PiD=2.1 Sheen=None PiD=3 Sheen=None	-	Ī												T
25 75 PID-9 Sheen-None PID-21 Sheen-None PID-21 Sheen-None PID-2 Sheen-None PID-9 Sheen-None PID-	-	†												+
25 75 Sheen=None PID=3 Sheen=None PID=2.1 Sheen=None PID=0 Sheen=None Bottom of exploration at 30 ft. bgs. See Exploration Log Key for explanation of symbols Logged by: DRB Approved by: DIM Exploration Log MW-SR Sheet 1 of 1	-	+		₩ 10/29	/2019									+
PID=3 Sheen=None PID=2.1 Sheen=None PID=0 Shee	20-	80		11/20	/2019									20
PID=3 Sheen=None PID=2.1 Sheen=None PID=0 Shee	20													20
PID=3 Sheen=None PID=2.1 Sheen=None PID=0 Sheen=None Bottom of exploration at 30 ft. bgs. Legend Legend Water Level ATD See Exploration Log Key for explanation of symbols Logged by: DRB Approved by: DIM Exploration Log MW-5R Sheet 1 of 1	-	Ť												Ť
Sheen=None PID=2.1 Sheen=None PID=0 Sheen=None Bottom of exploration at 30 ft. bgs. Legend Water Level ATD See Exploration Log Key for explanation of symbols Logged by: DRB Approved by: DIM Exploration Log MW-5R Sheet 1 of 1	-	+							PID=3					+
PID=0 Sheen=None Bottom end cap Bottom of exploration at 30 ft. bgs. Legend Legend Water Level ATD See Exploration Log Key for explanation of symbols Logged by: DRB Approved by: DIM Exploration Log MW-5R Sheet 1 of 1		1							Sheen=None					1
PID=2.1 Sheen=None PID=0 Sheen=None Bottom of exploration at 30 ft. bgs. See Exploration Log Key for explanation of symbols Logged by: DRB Approved by: DIM Exploration Log MW-5R Sheet 1 of 1														
PID=2.1 Sheen=None PID=0 Sheen=None Bottom of exploration at 30 ft. bgs. See Exploration Log Key for explanation of symbols Logged by: DRB Approved by: DIM Sheet 1 of 1	[75												T
Bottom end cap Bottom end cap Bottom of exploration at 30 ft. bgs. Legend Legend Water Level ATD See Exploration Log Key for explanation of symbols Log MW-5R Approved by: DIM Sheet 1 of 1	25-	†							PID=2.1					-25
Bottom end cap Bottom of exploration at 30 ft. bgs. See Exploration Log Key for explanation of symbols Logged by: DRB Approved by: DIM Sheet 1 of 1	-	+							oneen=None					+
Bottom end cap Bottom of exploration at 30 ft. bgs. Legend See Exploration Log Key for explanation of symbols Logged by: DRB Approved by: DIM Sheet 1 of 1	.	1												1
Bottom of exploration at 30 ft. bgs. Bottom of exploration at 30 ft. bgs. Bottom of exploration at 30 ft. bgs.														
Bottom of exploration at 30 ft. bgs. Legend See Exploration Log Key for explanation of symbols Logged by: DRB Approved by: DIM Bottom of exploration at 30 ft. bgs. Exploration Log MW-5R Sheet 1 of 1	-	†							PID=0 Sheen=None					†
Bottom end cap Bottom end cap Bottom of exploration at 30 ft. bgs. See Exploration Log Key for explanation of symbols Log MW-5R Sheet 1 of 1	-	+												+
Legend See Exploration Log Key for explanation of symbols Logged by: DRB Approved by: DIM Exploration Log MW-5R Sheet 1 of 1	30-	70		Bottom	end cap						Bottom	of exploration at 30 ft. bas.		30
See Exploration Log Key for explanation of symbols Logged by: DRB Approved by: DIM See Exploration Log Key for explanation of symbols Logged by: DRB Sheet 1 of 1	-	Le	gend											
Log Logged by: DRB Approved by: DIM Sheet 1 of 1	<u>o</u> .		_					_			See Expl of symbo	loration Log Key for explanation bls		on
Approved by: DIM Sheet 1 of 1	amp	지					Nate eve	∠ Water Le	evel ATD		-			
] w [>				Approve	d by: DIM		

	A .		_1		Spi	c N Spar	า - 060172			Monitoring V	Vell Log	
		spec	I		Projed	ct Address & Site	e Specific Location			Coordinates (SPN NAD83 ft)	Exploration Num	ber
		ONSULTIN Contractor		quipment		S Dear Born S	St,, Seattle, WA Sampling Metho	d		E:1272413.00 N:221023.00 Ground Surface Elev. (Site Specific)	MW-10	0
		Services Inc		ME-85			Grab	u		100.01'	Ecology Well Ta BPK 711	ag No.
		Operator	Explora	tion Meth	od(s)	l	Work Start/Completion	n Dates		Top of Casing Elev. (Site Specific)	Depth to Water (Belo	ow GS)
		n Bennett	8.5" O Hollow	O X 4.25 -Stem A	5" ÌÓ luger		11/1/2019			99.2'	18.9' (Static	
Depth (feet)	Elev. (feet)	Explora Comp	ation Notes and oletion Details	Samp Type/I	le Sam	Analytical pple Number & ab Test(s)	Field Tests	Materia Type	I	Description	1	Depth (ft)
	. ,		ush mounted			Lab Test(s)				ALT; with base course WITH SILT AND GRAVEL (SP-	CM), cliabth.	7
5 -	- - 95 -	N 2 cc	eat cement ' Stainless steel asing				PID=21.7 Sheen=None		gravel, r	rown; 10% fines, fine to medium no odor Y SILT (ML); slightly moist, gray re gravel, brick debris present, no	 brown; 15% sand,	- - - - - 5
- 10- - -	- 90	10	0 Slot stainless sterceen	el le								-10 -10
- 15- - -	- 85						PID=128 Sheen=None		SILTY debris p	CLAY (CL-ML); moist, gray; trac resent, wet at 25 ft. bgs no odor	ce fine sand, wood	-15 -15
20-	- 80		11/20/2019 11/1/2019				PID=60 Sheen=None					-20
20	- 75 -						PID=28 Sheen=None					-25 - -
30-	- - 70	B	ottom end cap				PID=4 Sheen=None		Bottom	of exploration at 30 ft. bgs.		30
	Leç	gend						1	Soo Evel	oration Log Kay for avalance:		
Sample	246.				Water Level	▼ Static Water Le	ater Level evel ATD		of symbo Logged b	by: DRB	Exploration Log MW-10 Sheet 1 of 1	

	Δ	c in		<u>_</u>			Sp	ic N Spai	n - 060172			Monitoring V		
	a -	SP	_				-		e Specific Location St,, Seattle, WA			Coordinates (SPN NAD83 ft) E:1272464.00 N:221061.00	Exploration Num	
		ontrac		1110	Equ	iipmen		J Dear Born C	Sampling Metho	od		Ground Surface Elev. (Site Specific)	MW-1	
	Holt S	Servio	ces Ir	nc	CN	/IE-85			Grab			100.54'	Ecology Well Ta BPK 712	ag No.
	(Operat	tor		Explorati	on Met	hod(s)	1	Work Start/Completio	n Dates		Top of Casing Elev. (Site Specific)	Depth to Water (Beld	low GS)
	Joh	n Bei	nnett		8.5" OD Hollow-S	Stem /	Auger		8/19/2019			100.29'	19.6' (Statio	c)
Depth (feet)	Elev. (feet)		Explo Cor	oration N	Notes and Details	Sam _l Type	ole ID Sa	Analytical mple Number & Lab Test(s)	Field Tests	Materia Type	ı	Description		Depth (ft)
	100	1 -	- [• • [] [ALT; with base course		7
-	+			monum	ement				PID=0 Sheen=None		. moist, g	WITH SILT AND GRAVEL (SW ray brown; fine to medium sand ular gravel, brick debris present.		+
5 -	95			2" Stair casing	lless steel				PID=2.1 Sheen=None					- 5 5
- 10- -	90			20/40 S	and				PID=0.6 Sheen=None		CLAY gravel, r	(CH); moist, gray;Trace medium oots & wood debris present.	n sand, trace fine	
- 15- -	85			10 Slot screen	stainless steel				PID=1.6 Sheen=None					- - -15
20-	-			⊋ 8/19/2 11/20	2019 //2019				PID=3.6 Sheen=None		trace fin	ML); very moist, dark brown; tra- ue gravel, little root & wood debri- SAND (SM); wet, brown; fine to	s present.	
-	80								PID=0.6 Sheen=None		trace gra		ŕ	<u>+</u> +
25 - -	75								PID=0.2 Sheen=None					- -25 -
20-	70			Bottom	end cap				PID=0.1 Sheen=None		Bottom	of exploration at 30 ft. bgs.		30
		gend						V 04-41-144	loton Level		See Expl	oration Log Key for explanation	Exercise and "	
Sample	2						Water Level		ater Level evel ATD		of symbo	ols	Exploration Log MW-11 Sheet 1 of 1	

	Aspec		I			Spic	c N Spar	า - 060172			Monitoring V	Vell Log	
						Projec	t Address & Site	e Specific Location			Coordinates (SPN NAD83 ft)	Exploration Num	nber
		ontracto		Fami	inmont	652 S	Dear Born S	St,, Seattle, WA Sampling Metho	nd		E:1272492.00 N:221086.00 Ground Surface Elev. (Site Specific)	MW-12	2
					ipment				ou			Ecology Well Ta BPK 713	
		Service Operato		Exploration Exploration	1E-85 on Methol	d(s)	ı	Grab Work Start/Completio	n Dates		99.89' Top of Casing Elev. (Site Specific)	BPK 713 Depth to Water (Belo	OW G.S1
		n Beni		8.5" OD Hollow-S	X 4.25"	"ID		8/19/2019 to 8/20			99.75'	18.35' (Statio	
Depth	Elev.		Exploration	Notes and	Sample	Same	Analytical ple Number &	Field Tests	Materia	al	Description	10.00 (Glatic	Depth
(feet)	(feet)	1	Completio	n Details	Type/ID	L:	ab Test(s)		Туре	ASPHA	ALT; with base course		(ft)
-	- - -		Flush r monun					PID=0.2			WITH SILT (SW-SM); slightly m sand, fine to course gravel.	noist, brown; fine to	- -
5 - - -	95		2" Stai casing	nless steel				PID=1.7	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	SILT (I gravel.		ine sand, trace	5
10- -	_ 90							PID=1.1					-10 -
- 15- -	85		screen					PID=1.0			SAND (SM); moist, dark brown; ace gravel.	fine to medium	- - - - 15
20-	_ 80			/2019 0/2019				PID=0			VITH SAND (ML); very moist, br sand, trace gravel.	own; fine to	20
- 25- -	_ 75 _							PID=0.1		SAND & gravel	(SW); wet, brown; fine to mediu	m sand, trace silt	- 25
-	-							PID=0.1			VITH SAND (ML); wet, brown; fi ace gravel	ne to medium	+
30-	L 70		— Bottom	end cap						Bottom	of exploration at 30 ft. bgs.		+30
20		gend				Water Level	▼ Static W ∇ Water Le	ater Level evel ATD		See Explored See E	y: DRB	Exploration Log MW-12 Sheet 1 of 1	

Depth (feet)	CON Cont Holt Ser Ope Louis	Pect Isulting tractor rvices Incerator Exploration No Completion I	Equ Geoprob Exploration Directors and	iipment be 7822		•	od nmer n Dates		Coordinates (SPN NAD83 ft) E:1272458.00 N:221084.00 (es Ground Surface Elev. (NAVD88) 50' (est) Top of Casing Elev. (NAVD88) NA Description	Depth to Water (Below on No Water Encounter	GS)
Depth (feet)	Holt Ser Ope Louis Elev. (feet)	rvices Inc erator Fehner Exploration No Completion I	Geoprot Exploration Directores and Details d with grout	be 7822 on Method ct push	Analytical Sample Number &	Percussion ham Work Start/Completion 11/18/2021	nmer n Dates Material		50' (est) Top of Casing Elev. (NAVD88) NA Description	Depth to Water (Below on No Water Encounter	ered Dept
Depth (feet)	Louis Elev. (feet)	Fehner Exploration No Completion I	Exploration Directores and Details d with grout	ct push	Analytical Sample Number &	Vork Start/Completion 11/18/2021	n Dates Material		Top of Casing Elev. (NAVD88) NA Description	No Water Encounter	erec Dept
5 -	Elev. (feet)	Exploration No Completion I	Directotes and Details	ct push	Analytical Sample Number &	11/18/2021	Material		NA Description	No Water Encounter	erec Dept
5 -	Elev. (feet)	Exploration No Completion I	otes and Details d with grout	Sample	Sample Number &		Material		Description		Dept
5 -		Completion I	Details d with grout	Sample Type/ID	Sample Number &	Field Tests	Material Type		·		
+	- 45	Backfilled and asph	d with grout nalt patch					_ ASPH	VI T. assulasis		
+	- - - - 45 -	Backfille and asph	d with grout nalt patch				1		ALT; asphalt		
15	- 35			54 S3	CB-01-7-111821 VOCs by 8260; NWTPH-Gx CB-01-13-111821 VOCs by 8260; NWTPH-Gx CB-01-19-111821 VOCs by 8260; NWTPH-Gx CB-01-23-111821 VOCs by 8260; NWTPH-Gx	PID=0.2 PID=0.3 PID=0.2 PID=0.3 PID=0.3 PID=0.3 PID=0.3 PID=1.1 PID=0.7 PID=0.6 PID=1.4 PID=1.5 PID=2.5 PID=1.0 PID=4.3 PID=4.3 PID=1.8 PID=1.0 PID=1.4		SILT V fines; fir fine to n chemica SILT (I fine to n subangu	WITH SILT AND GRAVEL (SPow plasticity fines; medium to coars, subroundad to suledium gravel; no sheen; chemical-like odor.	rown; low plasticity abangular sand; ent; no sheen;	10
Sample 08	Leger	nd o Soil Sample I	-		No Wate Tevel	r Encountered			of exploration at 28 ft. bgs. Discretion Log Key for explanation ls	Exploration Log	30

	Aspe	ct		Spic N Span	- 060172			Environmental Ex	ploration Log	
	CONSULT	I NG 65		porn Street, Seattle V	VA, Central of K		ot.	E:1272476.00 N:221089.00 (es Ground Surface Elev. (NAVD88)	1 '	
l .,	Contractor		quipment	OT.	Sampling Meth Percussion han			50' (est)		
	lolt Services In Operator		obe 7822E		Vork Start/Completion			Top of Casing Elev. (NAVD88)	Depth to Water (Below	v GS
	Louis Fehner	'	rect push		11/18/2021			NA NA	26.5' (ATD)	/
Depth (feet)	Elev. Explo	oration Notes and mpletion Details	Sample Type/ID	Analytical Sample Number & Lab Test(s)	Field Tests	Material Type		Description		Dept (ft)
				Las reado)				ALT; asphalt		
+		Backfilled with grout and asphalt patch					0.5 - 5	ft bgs removed with vac truck.	-	- - -
5 + + + + + + +	45		S 23	CB-02-8-111821 VOCs by 8260; NWTPH-Gx	PID=0.1 PID=0.2 PID=0.3		fines; fir to coars	WITH SAND (ML); moist, dark br ne to coarse, subangular to subr e, subangular to subrounded gra no sheen; chemical-like odor.	ounded sand; fine	- 5 - -
10-	40		ZS 2S	CB-02-13-111821 VOCs by 8260; NWTPH-Gx	PID=0.4 PID=0.4 PID=0.5				-	- 10 - -
15-	35		0						- - -	- 15 - -
20+	30		S S S S S S S S S S S S S S S S S S S	CB-02-21-111821 VOCs by 8260; NWTPH-Gx CB-02-22-111821 VOCs by 8260; NWTPH-Gx	PID=0.8 PID=3.6 PID=3.2 PID=1.3		brown; le	WITH SILT AND GRAVEL (SP- ow plasticity fines; medium to co sand; fine to coarse, subangula no sheen; chemical-like odor.	parse, angular to	-20 -
25-		☑ 11/18/2021			PID=2.4 PID=0.9 PID=0.8		CAND	NATE OF TAXABLE		-25 -
30-	20					<u>[:- f.l-]</u>	fines; m subroun odor.	WITH SILT (SP-SM); wet, brow edium to coarse, angular to rour ded to subangular gravel; no short exploration at 28 ft. bgs.	nded sand; trace	- -30 -
Sample Type		sample Recovery us core 1.85" ID		Water Level □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □	vel ATD		See Explored by See Explored b	by: MMR	Exploratio Log CB-02 Sheet 1 of 1	n

	spect			Spic N Span	- 060172			Environmental Ex	
_	ONSULTING	652	S Deark	Project Address & Site porn Street, Seattle V		ey Bank I	ot.	Coordinates (SPN NAD83 ft) E:1272476.00 N:221089.00 (es	Exploration Number
(Contractor	Equ	uipment		Sampling Meth	od		Ground Surface Elev. (NAVD88)	CB-02A
	Services Inc	•	be 7822[Percussion han			50' (est)	
1	Operator	•	on Method	d(s) W	ork Start/Completion	on Dates		Top of Casing Elev. (NAVD88)	Depth to Water (Below G
Lo	uis Fehner	Dire	ct push	A 1 4 1	12/3/2021			NA NA	17.5' (ATD)
Depth Elev (feet) (feet			Sample Type/ID	Analytical Sample Number & Lab Test(s)	Field Tests	Material Type		Description	De (f
								ALT; asphalt.	
	and aspl	d with grout halt patch					0.5 - 2	.5 ft bgs removed by hand.	Ī
				CB-2A-3-120321	PID=1.6			WITH SILT AND GRAVEL (SP-	
			S 5	VOCs by 8260;	PID=2.8			rown; low plasticity fines; fine to I sand; fine to coarse, subangula	
l T.				NWTPH-Gx	PID=1.8			woody debris present; no sheen;	chemical-like
5 + 45			Ĭ		PID=1.9			nes blue-gray.	 5
1 +					PID=2.0		Becom	nes brown.	+
+							-		+
									_
							-		
I							_		T
10+40					PID=0.8		Increa	sed silt content.	+1
+									+
							-		_
							_		
			\bigcap				-		
†							_		†
15 + 35					PID=1.4		SILTV	VITH SAND (ML); slightly moist,	blue-gray; low
1 +					PID=1.2		plasticit	y fines; fine to medium sand; tra woody debris present; no sheen;	ce fine to coarse
							present		
	∑ 12/3/2	021		CB-2A-18-120321	PID=2.2			WITH SILT AND GRAVEL (SP- ticity fines; medium to coarse, a	
			82 S	VOCs by 8260;	PID=3.4		subrour	ided sand; fine to coarse, subrou	unded to
†				NWTPH-Gx			Subangi	ular gravel; no sheen; chemical-l	ike odor.
20 + 30			\mathbf{H}			[:- [:]-	Bottom	of exploration at 20 ft. bgs.	2
+								,	+
1 †									†
25 - 25									-2
									+
									_
									Ţ
†									†
30 - 20									-3
									+
									+
Le	gend						0. 5		
	No Soil Sample	_		∑ Water Lev	vel ATD		See Expl of symbo	oration Log Key for explanation ls	Exploration
	Continuous core	1.85" ID		Water			Logged I		Log CB-02A
o c	Grab sample			<i>></i> -			Approve	d by: DIM	Sheet 1 of 1

	As	pect			Spic N Spar	n - 060172 e Specific Location			Environmental Ex Coordinates (SPN NAD83 ft)	ploration Lo	og
	СО	NSULTING			rborn Street, Seattle	e WA, Key Bank F		ot	E:1272476.00 N:221089.00 (es		
	Со	ntractor	Equ	ipment		Sampling Meth	od		Ground Surface Elev. (NAVD88)	CD-02	ט
I		ervices Inc	Geoprob			Percussion han			50' (est)		
		perator	Exploration		d(s)	Work Start/Completion			Top of Casing Elev. (NAVD88)	Depth to Water (Bel	
	Louis	s Fehner	Direc	ct push		1/10/2022		1	NA	No Water Encou	ntered
Depth (feet)	Elev. (feet)	Exploration N Completion	lotes and Details	Sample Type/ID	Analytical Sample Number & Lab Test(s)	Field Tests	Materia Type		Description		Depth (ft)
		Deskfills	- dith			PID=0.2		ASPH	IALT; asphalt FILL		-
Ī		and asp	ed with grout halt patch			PID=0.2		SAND	WITH SILT (SP-SM); slightly mo	oist, brown; fine to	T
-	-					PID=0.3		mediun	n sand; trace fine to medium, sub nded gravel.	pangular to	1
-	-			% 50	CB-02-3-011022	PID=0.3		SILT ((ML); moist, gray; trace find to me	edium sand;	<u></u>
_	-								n plasticity. of exploration at 3 ft. bgs.		」
5 -	- 45								or orprorusers as o its age.		+ 5
	10										
-											Ť
-	-										+
-	-										+
_	_										_
10-	- 40										-10
10	40										10
_	-										Ť
-	-										+
-	-										+
_	_										1
15-	- 25										- 15
15-	35										715
-	-										†
-	-										+
-	-										+
	_										_
20-	- 30										-20
-	-										+
-	-										+
_	-										+
	_										1
	0.5										0.5
25-	- 25										-25
-	-										+
-	-										+
-											+
											_
20											
30-	- 20										-30
-											†
-	-										+
	Lege	end						See Evo	loration Log Key for explanation		
e ge		Continuous core	e 1.85" ID		চ ভ No Wate	er Encountered		of symbol	ols	Explorati	on
Sample Type		Grab sample			Water Level			Logged	by: RAC	Log CB-02B	3
,								Approve	ed by: DIM	Sheet 1 of 1	

	A sr	ect			Spi	ic N Spar	n - 060172 Specific Location			Environmental Ex	ploration Le	
		ULTING	652 \$	S Dea			/A, SE central of	Key Ban	k lot.	E:1272496.00 N:221090.00 (es		
	Contra	actor		uipmer			Sampling Meth			Ground Surface Elev. (NAVD88)		3
Н	olt Serv	ices Inc	Geopro	be 78	22DT		Percussion han	nmer		50' (est)		
	Opera	ator	Explorati	on Met	thod(s)	V	Work Start/Completion	on Dates		Top of Casing Elev. (NAVD88)	Depth to Water (Be	low GS)
	Louis F	ehner	Dire	ct pus	sh		11/18/2021			NA	No Water Encou	ıntered
Depth E	Elev. feet)	Exploration N Completion	Notes and n Details	Sam Type	/in I Can	Analytical nple Number & Lab Test(s)	Field Tests	Materia Type	ı	Description		Dept (ft)
										ALT; asphalt		\overline{A}
5 - 4		Backfill and ass	ed with grout shalt patch		SS CB-	03-7-111821 ICs by 8260; IWTPH-Gx 03-8-111821 ICs by 8260; IWTPH-Gx	PID=0.3 PID=0.7 PID=1.5 PID=1.2 PID=0.7 PID=0.4 PID=0.4 PID=0.4 PID=0.10 PID=1.0		SILT V plasticit sand; fi debris p	WITH SAND (ML); moist, blue a y fines; fine to medium, subrour ne to coarse, angular to rounded present; no sheen; chemical-like the same that	nded to angular d gravel; brick	- 5 10 15
20 - :	30	ı			ຶ VO	03-21-111821 ICs by 8260; IWTPH-Gx	PID=1.7 PID=0.7 PID=1.3					-20
25 - :	25				$_{2}$ \ NO	03-26-111821 Cs by 8260; IWTPH-Gx	PID=0.3 PID=0.6 PID=1.3 PID=0.8 PID=0.1		brown; rounded no shee	WITH SILT AND GRAVEL (SP low plasticity fines; medium to cd sand; fine to coarse, angular to en; chemical-like odor.	oarse, angular to	-25 -
l [Legend No	Soil Sample	-		- To - To		r Encountered			loration Log Key for explanation	Explorati	-30
mple ype	☐ No II Cor		-		Water Level		r Encountered		of symbo		Explorat Log CB-03 Sheet 1 of	;

•	Λ	nost			Spic N Spar	า - 060172			Environmental Ex		
7	CO	NSULTING ntractor		S Dearb	Project Address & Site orn Street, Seattle V	•		lot.	Coordinates (SPN NAD83 ft) E:1272470.00 N:221064.00 (est Ground Surface Elev. (NAVD88)	Exploration Numb	
		ervices Inc	Geoprob	•	DT	Percussion ham			51' (est)		
		perator	Exploration			Work Start/Completion			Top of Casing Elev. (NAVD88)	Depth to Water (Belo	w GS)
	Louis	s Fehner	Direc	ct push		11/18/2021			NA	25' (ATD)	
	Elev. (feet)	Exploration N Completion		Sample Type/ID	Analytical Sample Number & Lab Test(s)	Field Tests	Material Type		Description		Depti
_	- 50	Backfille and asp	ed with grout halt patch		2 135.(1)				ALT; asphalt. ft bgs removed with vac truck.		1
-	-										
5 -	- 45			0				No red	covery.		5
- 10-	- 40			₹	CB-04-8.5-111821 VOCs by 8260; NWTPH-Gx	PID=0.4 PID=0.3		brown; rounded	WITH SILT AND GRAVEL (SP- ow plasticity fines; medium to co d sand; fine to coarse, subrounde no sheen.	arse, angular to	- - - 10
-	-			S2	CB-04-13-111821 VOCs by 8260; NWTPH-Gx	PID=0.9 PID=1.0 PID=0.9					 - -
15 - - -	- 35			SS SS	CB-04-15-111821 VOCs by 8260; NWTPH-Gx	PID=0.8			ML); moist, blue and gray; low plad; no sheen.	asticity fines; trace	+ 15 - -
20- - -	- 30			T		PID=3.0 PID=0.8 PID=4.5		fines; fi	WITH GRAVEL (SP); moist, brone to coarse, angular to rounded subangular to angular gravel; no	sand; fine to	- - 20 -
25-	-	∑ 11/18/	/2021	84 84	CB-04-23.5- 111821 VOCs by 8260; NWTPH-Gx	PID=3.8 PID=1.5			WITH SILT AND GRAVEL (SP-		25
-	- 25			SS S	CB-04-26.5- 111821 VOCs by 8260; NWTPH-Gx	PID=5.0 PID=7.5 PID=1.2		angular gravel;	low plasticity fines; fine to medium sand; fine to coarse, subrounded no sheen.	d to rounded	<u> </u>
30-	- 20					- 1.6		plasticit fine to c	WITH GRAVEL (SP); very mois y fines; fine to coarse, angular to coarse, subangular to angular gray of exploration at 28 ft. bgs.	rounded sand;	-30
Sample	Lege	end No Soil Sample Continuous core Grab sample	-		Mater Le	evel ATD		of symbo	oration Log Key for explanation ols oy: MMR d by: DIM	Exploration Log CB-04 Sheet 1 of 1	on

Y	Aspect	652 S De	Projec	Address & Site	n - 060172 e Specific Location A, N central of Spi	ic N Sna	n lot.	Environmental Ex Coordinates (SPN NAD83 ft) E:1272470.00 N:221064.00 (es	Exploration Numbe	er
	Contractor	Equipm		-, -Jan 11	Sampling Metho			Ground Surface Elev. (NAVD88)	CB-04A	•
Но	It Services Inc	Geoprobe 7			Percussion ham			51' (est)		
	Operator	Exploration N	` ′	ı	Nork Start/Completion	n Dates		Top of Casing Elev. (NAVD88)	Depth to Water (Below	
Depth El	ouis Fehner ev. Exploration N	Direct p		Analytical ble Number &	12/3/2021 Field Tests	Material		NA Description	No Water Encounte	Depti
(feet) (fe	eet) Completion	Details Ty	/pe/ID L	ab Test(s)		Туре		ALT; asphalt.		(ft)
- - - 5 -	Backfill and ask	ed with grout shalt patch	ু ি voc	A-6-120321 Cs by 8260; VTPH-Gx	PID=0.1 PID=0.1 PID=0.7 PID=0.7 PID=0.9 PID=0.5		SAND moist, b subrour subrour	.5 ft bgs removed by hand. WITH SILT AND GRAVEL (SPrown; low plasticity fines; fine to ided to angular sand; fine to coalded gravel; no sheen; chemical-	medium, rse, angular to	- - - 5 - - - -
- - - 15-	35									_ - - -15 - -
20-	80									-20 - - -
25+ - 2	25								-	-25 - - -
	.egend ☑ No Soil Sample		[No Wate	er Encountered		See Expl of symbo	oration Log Key for explanation	Exploration	-30 - - n
Sample Type	■ Continuous core▼ Grab sample	e 1.85" ID	Water				Logged b		Log CB-04A Sheet 1 of 1	

As	Aspect CONSULTING			Spic N Span	Specific Location			Environmental Ex Coordinates (SPN NAD83 ft)	Exploration Num	nber
			Dearb	orn Street, Seattle W	/A, S central of k Sampling Methor	•	lot.	E:1272490.00 N:221061.00 (es Ground Surface Elev. (NAVD88)	CB-05	5
	ervices Inc	Geoprob		DT	Percussion ham			51' (est)		
	perator	Exploratio			/ork Start/Completio			Top of Casing Elev. (NAVD88)	Depth to Water (Beld	ow GS)
Louis	s Fehner	Direc	t push		11/18/2021			NA	27.5' (ATD))
Depth (feet) Elev.	Exploration N Completion	lotes and Details	Sample Type/ID	Analytical Sample Number & Lab Test(s)	Field Tests	Material Type	I	Description		Depth (ft)
- 50 - -	Asphalt Backfille and asp	patch ed with grout halt patch						ALT; asphalt. ft bgs removed with vac truck.		-
5 + - 45 +			S 15	CB-05-7-111821 VOCs by 8260; NWTPH-Gx	PID=0.8 PID=2.1 PID=0.6 PID=0.8		fines; m	WITH GRAVEL (SP); wet, brow edium to coarse, angular to sub um, subangular to subrounded g al-like odor.	angular sand; fine	5
10 - - 40 -			S2 S2	CB-05-12-111821 VOCs by 8260; NWTPH-Gx	PID=1.2 PID=0.5 PID=1.4		low plas subroun subroun SILT V fines; fir	WITH SILT AND GRAVEL (SP- ticity fines; fine to medium, sub- ided sand; fine to medium, sub- ided gravel; no sheen; strong ch VITH SAND (ML); moist, dark brae, subangular to angular sand; ngular gravel; no sheen; chemic	angular to ngular to emical-like odor. own; low plasticity fine, subrounded	10
15- - 35 - - - - 20- - 30			S3	CB-05-18-111821 VOCs by 8260; NWTPH-Gx	PID=1.1 PID=1.3 PID=2.8 PID=1.6		plasticity sand; fir	WITH GRAVEL (SP); very mois y fines; medium to coarse, subro ne to coarse, subrounded gravel no sheen; chemical-like odor.	ounded to angular	- - - - - - - - - - - - - - - - - - -
25 - - 25 -	∑ 11/18.	/2021	S4	CB-05-27.5- 111821 VOCs by 8260;	PID=0.9 PID=1.1 PID=1.7		brown; I angular sheen; o	WITH SILT AND GRAVEL (SPow plasticity fines; fine to mediu sand; fine, subangular to round chemical-like odor.	m, subrounded to	25
30 - - 20 -				NWTPH-Gx				-		- -30 -
TD & mg	end No Soil Sample Continuous core Grab sample	-		Water Level	vel ATD		See Explored See E	oy: MMR	Exploration Log CB-05	

	Asr	ect			Spi	ic N Spar	n - 060172			Environmental Ex	ploration Lo	
	\ [ULTING	65	52 S D	•		WA, N side within	n buildi	ng	E:1272467.00 N:221045.00 (es		
	Contra			uipmen		<u> </u>	Sampling Metho		<u> </u>	Ground Surface Elev. (NAVD88)	[™] CB-06	
	lolt Serv	ices Inc	Geopi	robe 5	4LT		Percussion ham	mer		51' (est)		
	Opera	ator	Explorat	ion Met	hod(s)	V	Work Start/Completion	Dates		Top of Casing Elev. (NAVD88)	Depth to Water (Below	w GS)
	Louis F	ehner	Dire	ect pus	sh		11/22/2021			NA	No Water Encount	tered
Depth (feet)	` '	Exploration N Completion	Notes and n Details	Sam Type	In I Can	Analytical nple Number & Lab Test(s)	Field Tests	Materia Type	al	Description		Dept (ft)
10 - 15 - 20 - 25 - 25 - 25 - 25 - 25 - 25 - 2	50 45 40 35 30 25	Backfill and cor	ed with grout crete patch		CB-CV N CB-CV		PID=0.6 Sheen=No sheen PID=0.6 Sheen=No sheen PID=0.6 Sheen=No sheen PID=0.7 PID=0.4 Sheen=No sheen PID=0.7 PID=0.8 Sheen=No sheen PID=0.7 PID=1.4 Sheen=No sheen PID=0.8 Sheen=No sheen	Type	SILT V fines; fir subrour	CRETE; concrete. SAND (SM); moist, brown; low um sand; trace fine gravel; no or to medium sand; fine, subang nded gravel; no odor. MITH SAND (ML); moist, brown; ne to medium sand; fine, subang nded gravel; no odor. The same subang nded gravel; no odor. The same subang nded gravel; no odor.	dor.	-10 -20 -30
Sample Type	Legend ○ No □ Cor □ Gra	l Soil Sample itinuous cord b sample	-		Water Level	No Wate	r Encountered		of symbo		Exploratio Log CB-06 Sheet 1 of 1	'n

A	spect			Spic N Spar Project Address & Site	Specific Location				Environmental Ex Coordinates (SPN NAD83 ft)	ploration Lo	
	ONSULTING			earborn Street, Seatt			ling		:1272467.00 N:221045.00 (es		В
	Contractor		oment	_	Sampling Metho				Ground Surface Elev. (NAVD88)	02 00.	
	Services Inc Operator	Geoprol Exploration			Percussion ham Vork Start/Completio		20		51' (est) Top of Casing Elev. (NAVD88)	Depth to Water (Belo	ow GS)
	uis Fehner	•	t push	1(5)	1/11/2022	n Dale	73		NA	20' (ATD)	ow 00)
Depth (feet)	Exploration N Completion	otes and Details	Sample Type/ID	Analytical Sample Number & Lab Test(s)	Field Tests		terial ype		Description		Depth (ft)
(feet) (feet) - 50 - 45 - 45 - 40 - 15 35 - 20-	Completion Backfille	ed with grout crete patch	Sample Type/ID I	Sample Number &	PID=0.3 PID=0.3 PID=0.3 PID=0.3 PID=0.2 PID=0.1 PID=0.3 PID=0.6 PID=1.4 PID=0.9 PID=0.5 PID=0.9 PID=0.6 PID=0.4 PID=0.3 PID=0.6 PID=0.4 PID=0.3 PID=0.6 PID=0.6 PID=0.6 PID=0.6 PID=0.7 PID=0.7 PID=0.7 PID=0.6 PID=0.6 PID=0.6 PID=0.6 PID=0.6 PID=0.6 PID=0.6			SILTY fine to coarse, second Become Become SAND's sand; low sand;	RETE; concrete cored SAND WITH GRAVEL (SM); sliparse, subrounded to subangula subangular to subrounded grave es gray-brown. es with trace brick debris. Y SILT (ML); slightly moist, gray w to medium plasticity. Y SILT WITH GRAVEL (ML); slipedium sand; fine to coarse, subsequences.	ghtly moist, gray; prounded gravel.	(ff)
25 + + 25 + + + + + + + + + + + + + + +					PID=0.5				es with brick debris. of exploration at 28 ft. bgs.		-25 - -
30								Note: Sa and sam	ample depths from January 202; apple names do not reflect the act collected.		- -30 -
Sample Type	gend No Soil Sample Continuous core Grab sample	-	1	Water Level	vel ATD	1		See Explosor Symbo Logged by Approved	y: RAC	Exploration Log CB-06B	

	۸_				Spi	c N Spar	า - 060172			Environmental Ex	ploration Lo	og
		spect			Proje	ct Address & Site	Specific Location			Coordinates (SPN NAD83 ft)	Exploration Nun	nber
		NSULTING				Street, Seattle	WA, N side withi		g	E:1272482.00 N:221048.00 (es	^{‡)} CB-07	7
		ontractor	· ·	uipment 						Ground Surface Elev. (NAVD88)		
F		ervices Inc perator	Geopr Explorati	obe 54		1	Percussion ham			51' (est) Top of Casing Elev. (NAVD88)	Depth to Water (Bel	low CC
						, v	Nork Start/Completion	n Dales			No Water Encou	
		s Fehner		ct push	1	Analytical	11/22/2021			NA NA	INO VValer Encou	
Depth (feet)	(feet)	Exploration I Completion	Notes and n Details	Samp Type/I	n Ouii	nple Number & Lab Test(s)	Field Tests	Material Type		Description		Dept (ft)
		P. alvell	L					XXX		CRETE; concrete. If the base removed by hand.		_{
1 1	50	and col	led with grout ncrete patch						0.5 - 4	Fit bgs removed by fiand.		Ť
1 +	.											+
1 +	.											+
				7		07-5-112221	PID=0.4		SILTY	SAND WITH GRAVEL (SM); my fines; fine to medium sand.	oist, brown; low	
5 +	۱			(Z) 0.		Cs by 8260; WTPH-Gx	PID=0.4 Sheen=None		piasticit	y filles, fille to ffledium sand.		+ 5
1 +	45											+
1 1	.											1
								11/1				
1 †				T					SILT	WITH SAND (ML); moist, brown;	low plasticity	+
1 +	.						PID=1.6 Sheen=None		fines; fi	ne to medium sand; trace fine, s	ubangular gravel.	+
10+						B-07-10.5-	PID=2.1					-10
'				® 8	VO	112221 Cs by 8260;	PID=2.9 Sheen=None					"
1 †	40				N	WTPH-Gx						T
1 +	.			Н								+
1 1							PID=0.8 Sheen=None					1
				Ш			PID=1.3					
				Ш			PID=1.4 Sheen=None	ЩЩ	5 "			4
15							Onecii-ivone		Bottom	of exploration at 14.5 ft. bgs.		15
1 +	35											+
1 +												+
1 +												+
20-												-20
3 20												20
	30											Ť
+												+
í	.											+
												Ī
25+												-25
[H	25											+
												1
												†
+	.											+
30+	.											-30
[20											T
+												+
	Lon	and										
3	Lego I	eno No Soil Sample	Recoverv			No Wate	r Encountered			loration Log Key for explanation	Explorati	on
Sample		Continuous cor	_		Water Level				of symbo		Log	
Sar	1 (2)	Grab sample			Ľe Ķ				Logged I	by: DRB d by: DIM	CB-07	
:1	1					1			, ippiove	a Dj. Dilvi	Sheet 1 of 1	1

	Δ	spect			Spi	c N Span	- 060172 Specific Location			Environmental Ex	ploration Lo	
		NSULTING	6:	52 S Dea	-		WA, inside of dr	vina roo	m	E:1272482.00 N:221048.00 (es		
		ontractor		uipment		Circoi, Codino	Sampling Metho			Ground Surface Elev. (NAVD88)	[™] CB-07I	В
+	Holt S	Services Inc	Geop	robe 54l	т.		Percussion ham	nmer		51' (est)		
	(Operator	Explorat	ion Metho	d(s)	И	Vork Start/Completion	n Dates		Top of Casing Elev. (NAVD88)	Depth to Water (Belo	ow GS)
	Lou	is Fehner	Dire	ect push			1/11/2022			NA	23' (ATD)	
Depth (feet)		Exploration Completio	Notes and n Details	Sample Type/ID	Sam	Analytical ple Number & .ab Test(s)	Field Tests	Materia Type	al	Description		Dept (ft)
		X//XX				(/	DID=0.1	XX	· · · · · · · · · · · · · · · · · · ·	CRETE; concrete cored		,
-	- 50 - -	Backfil and co	led with grout ncrete patch				PID=0.1 PID=0.2		. mediun) WITH SILT (SP-SM); dry, gray- n, subangular to subrounded; tra ounded gravel; low plasticity fine:	ce fine, subangular	+
5 -	- - - 45						PID=0.2	7.1	coarse	DY SILT WITH GRAVEL (ML); dr subangular to subrounded sand; low plasticity fines.		- 5 - 5
10-	- - - - 40						PID=0.8 PID=0.7 PID=0.9 PID=0.8			mes slightly moist and gray, with ty fines.	low to medium	-10
15-	-					3-07-15.5- 011122 Cs by 8260	PID=0.7 PID=0.9 PID=0.8 PID=1.1 PID=0.6	/	subang	DY SILT (ML); dry, brown; fine to yular to subrounded sand; trace fi nded gravel. nes moist and gray with medium avel.	ine, subangular to	- - -15
-	- 35 - -					7-19-011122 Cs by 8260	PID=1 PID=0.7 PID=1.6 PID=0.9		. subang	' SAND (SM); moist, gray-brown jular to subrounded sand; trace o low plasticity fines.		† - - +
20 -	- - 30 -	∇ 1/11.	/2022				PID=0.8 PID=0.7	,,,	\low to r	WITH SAND (ML); wet, gray; find medium plasticity. DY SILT (ML); wet, gray; fine to n		+20 /- -
25	- 25			1		3-07-26.5- 011122	PID=0.9 PID=1.1 PID=1.2 PID=1.4 PID=3.3		mediun	O WITH SILT (SP-SM); wet, dark n sand; low to medium plasticity.		-25
	- - -			<u> </u>	VO	Cs by 8260	PID=2.3 PID=0.9		SAND subang plastici Bottom	of exploration at 28 ft. bgs.	vel; low to medium	<u></u>
30-	- - 20 -								and sa	Sample depths from January 202 mple names do not reflect the ac is collected.		+30 +
Sample		jend No Soil Sample Continuous coi Grab sample	-		Water Level	☑ Water Le	vel ATD	'	of symb	oloration Log Key for explanation ols by: RAC ed by: DIM	Exploration Log CB-07B	

	Ą	spect			Spi Proie	c N Spar	n - 060172 Specific Location			Environmental Ex	ploration Log	 r
(co	NSULTING		652 S D	-		le WA, W side of	building		E:1272440.00 N:221035.00 (es		
	Co	ontractor		uipment			Sampling Meth			Ground Surface Elev. (NAVD88)	CB-08	
+		Services Inc	Geopro	be 782	2DT		Percussion ham			52' (est)		
	С	Operator	Explorati	ion Metho	od(s)	V	Vork Start/Completic	n Dates		Top of Casing Elev. (NAVD88)	Depth to Water (Below	GS)
	Loui	is Fehner	Dire	ect push	١		11/22/2021			NA	No Water Encounte	rec
Depth (feet)	Elev. (feet)	Exploration N Completion	lotes and Details	Sampl Type/II	ᡛ Sam	Analytical pple Number & _ab Test(s)	Field Tests	Materia Type		Description	С	Dept (ft)
Depth (feet) 5	Elev. (feet) 50 45 35	Completion	lotes and Details	Sampli Type/III	CB-VO	ple Number &	PID=1.7 PID=0.9 PID=5.3 PID=1.0 PID=1.5 PID=2.0 PID=1.7	Materia	SAND moist, b to coars SILTY to medium Bottom	Description ALT; asphalt. WITH SILT AND GRAVEL (SW prown; low plasticity fines; fine to se, subangular gravel. SAND (SM); moist, brown; low um sand. WITH SAND (ML); slightly moist in plasticity fines; fine sand. of exploration at 10.5 ft. bgs. efusal at 10.5 ft bgs.	plasticity fines; fine	5 10 15 20
25 -	25										+	25
30-	. 20										+	30
Sample		jend No Soil Sample Continuous core Grab sample	-		Water	No Water	r Encountered	ı	of symbo		Exploration Log CB-08 Sheet 1 of 1	1

CONSULTING 652 S Dearborn Street, Seattle WA, W of breezeway Contractor Equipment Sampling Method Ground Surface Elev. (NAVD88) Holt Services Inc Operator Exploration Method(s) Work Start/Completion Dates Louis Fehner Direct push Top of Casing Elev. (NAVD88) Louis Fehner Direct push Depth Elev. Exploration Notes and Sample Number & Field Tests Material Description Description CB-08B CB-08B CB-08B		Aspect			Spic N Spar	n - 060172			Environmental Ex Coordinates (SPN NAD83 ft)	ploration Log Exploration Number	
Contractor Cooperate Explanet Percussion Name Percussion N	8			652 S [•	•	ezewav				
Coverable Displace to Memory Mode Sensitive price Memory Major Memory Major Memory M					,					CB-08B	1
Louis Fehner Direct push Caption Continue Caption Caption Continue Caption Continue Caption Continue Caption Caption Caption Caption Caption Caption Caption Caption Caption Caption	Н	lolt Services	Inc	Geoprobe 7822	2DT	Percussion han	nmer		52' (est)		
Pich September Repeated Service Serv		Operator		Exploration Metho	od(s) V	Vork Start/Completic	n Dates		Top of Casing Elev. (NAVD88)	Depth to Water (Below	GS)
Security of the second street		Louis Fehne	er	Direct push		1/10/2022			NA	21' (ATD)	
Becomes with trace gravel. SILTY SAND WITH GRAVEL, (SMX, most, trown, fine to medium plasticity) miss. SILTY SAND (ML); moist, gray, fine to medium sand; trace statengular to subrounded gravel; low to medium plasticity. SILTY SAND (ML); moist, gray, fine to medium sand; trace statengular to subrounded gravel; low to medium plasticity. SILTY SAND (ML); moist, gray, fine to medium sand; trace statengular to subrounded gravel; low to medium plasticity. SILTY SAND (ML); moist, gray, fine to medium sand; trace statengular to subrounded gravel; low to medium plasticity. SILTY SAND (ML); moist, gray, fine to medium sand; moist, gray, fine to medium plasticity. SILTY SAND (ML); moist, gray, fine to medium sand; moist, gray, fine to medium sand; moist, gray, fine to medium plasticity fines. SILTY SAND (ML); moist, gray, fine to medium sand; moist, gray, fine to coarse sand; gray, fine to coarse sand; gray, gray					Sample Number &	Field Tests		I	Description		Dept (ft)
Sed Blee with ground and enception place to a submounded grower, from the analysis of the control of the contro						DID-0.3			· · · · · · · · · · · · · · · · · · ·		
pBest 1 Silt With SAND (ML), most, gray, fine to medium sand trace subangular to subrounded gravet, low to medium plasticity. Silt Mith SAND (ML), most, gray, fine to medium sand trace subangular to subrounded gravet, low to medium plasticity. Silt Mith SAND (ML), most, gray, fine to medium sand trace subangular to subrounded gravet. low to medium plasticity. Silt Mith SAND (ML), most, gray, fine to medium sand trace subangular to subrounded gravet. Silt Mith SAND (ML), most, gray, fine to medium sand trace subangular to subrounded gravet. Silt Mith SAND (ML), most, gray, fine to medium sand trace subangular to subrounded gravet. Silt Mith SAND (ML), most, gray, fine to medium sand trace subangular to subrounded gravet. Silt Mith SAND (ML), most, gray, fine to coarse sand; low to medium sand trace word with trace word with trace substance material. Becomes with trace woody organic mate	†		Backfilled v and asphalt	vith grout t patch							
Sand: trace subangular to subrounded gravel; low to medium plasticity. SILT (ML); moist, gray, trace fine sand; low to medium plasticity. SILT (ML); moist, gray, trace fine sand; low to medium plasticity. SILT (ML); moist, gray, trace fine sand; low to medium plasticity. SILT (ML); moist, gray, trace fine sand; low to medium plasticity. SILT (ML); moist, gray, trace fine sand; low to medium plasticity. SILT (ML); moist, gray, trace fine sand; low to medium plasticity. SILT (ML); moist, gray, trace fine sand; low to medium plasticity. SILT (ML); moist, gray, trace fine sand; low to medium plasticity. SILT (ML); moist, gray, trace fine sand; low to medium plasticity. SILT (ML); moist, gray, trace fine sand; low to medium plasticity. SILT (ML); moist, gray, trace fine sand; low to medium plasticity. SILT (ML); moist, gray, trace fine sand; low to medium plasticity. SILT (ML); moist, gray, trace fine sand; low to medium plasticity. SILT (ML); moist, gray, trace fine sand; low to medium plasticity. SILT (ML); moist, gray, trace fine sand; low to medium plasticity. SILT (ML); moist, gray, trace fine sand; low to medium plasticity. SILT (ML); moist, gray, trace fine sand; low to medium plasticity. SILT (ML); moist, gray, trace fine sand; low to medium plasticity. SILT (ML); moist, gray, trace fine sand; low to medium plasticity. SILT (ML); moist, gray, trace fine sand; low to medium plasticity. SILT (ML); moist, gray, trace fine sand; low to medium plasticity. SILT (ML); moist, gray, trace fine sand; low to medium plasticity. SILT (ML); moist, gray, frace fine sand; low to medium plasticity. SILT (ML); moist, gray, frace for sand; low to medium plasticity. SILT (ML); moist, gray, frace for sand; low plasticity. SILT (ML); moist, gray, frace for sand; low plasticity. SILT (ML); moist, gray, frace for sand; low plasticity. SILT (ML); moist, gray, frace for sand; low plasticity. SILT (ML); moist, gray, frace for sand; low plasticity. SILT (ML); moist, gray, frace for sand; low plasticity. S	+	50				PID=1.1		plasticit	y fines.	+	
PD-0.4 SILT (ML); moist, gray, trace line sand; low to medium plasticity. SILT (ML); moist, gray, trace line sand; low to medium plasticity. SILT (ML); moist, gray, trace line sand; low to medium plasticity. SILT (ML); moist, gray, trace line sand; low to medium plasticity. SILT (ML); moist, gray, trace line sand; low to medium plasticity. SILT (ML); moist, gray, trace line sand; low to medium plasticity. SILT (ML); moist, gray, trace line sand; low to medium plasticity. SILT (ML); moist, gray, trace line sand; low to medium plasticity. SILT (ML); moist, gray, trace line sand; low to medium plasticity. SILT (ML); moist, gray, trace line sand; low to medium plasticity. SILT (ML); moist, gray, trace line sand; low to medium plasticity. SILT (ML); moist, gray, trace line sand; low to medium plasticity. SILT (ML); moist, gray, trace line sand; low to medium plasticity. SILT (ML); moist, gray, trace line sand; low to medium plasticity. SILT (ML); moist, gray, trace line sand; low to medium plasticity. SILT (ML); moist, gray, trace line sand; low to medium plasticity. SILT (ML); moist, gray, trace line sand; low to medium plasticity. SILT (ML); moist, gray, trace line sand; low to medium plasticity. SILT (ML); moist, gray, trace line sand; low to medium plasticity. SILT (ML); moist, gray, trace line sand; low to medium plasticity. SILT (ML); moist, gray, trace line sand; low to medium plasticity. SILT (ML); moist, gray, trace line sand; low to medium plasticity. SILT (ML); moist, gray, trace line sand; low to medium plasticity. SILT (ML); moist, gray, trace line sand; low to medium plasticity. SILT (ML); moist, gray, trace line sand; low to medium plasticity. SILT (ML); moist, gray, trace line sand; low to medium plasticity. SILT (ML); moist, gray, trace low sand; low to medium plasticity. SILT (ML); moist, gray, trace low sand; low trace low subrounded gravel. SILT (ML); moist, gray, trace low sand; low trace low subrounded gravel; low plasticity. SILT (ML								sand; tr	/VITH SAND (ML); moist, gray; ti ace subangular to subrounded g	ne to medium ravel; low to	
SILITY SAND (SM); moist, gray; frace time sand; low to medium plasticity. Solit (ML); most, gray, trace time sand; low to medium plasticity. Solit (ML); most, gray, trace time sand; low to medium plasticity. Solit (ML); most, gray, trace time sand; low to medium plasticity. Solit (ML); most, gray, trace time sand; low to medium plasticity. Solit (ML); most, gray; trace time sand; low to medium plasticity. Solit (ML); most, gray; trace time sand; low to medium plasticity. Solit (ML); most, gray; trace time sand; low to medium plasticity. Solit (ML); most, gray; trace time sand; low to medium plasticity. Solit (ML); most, gray; trace time sand; low to medium plasticity. Solit (ML); most, gray; trace time sand; low to medium plasticity. Solit (ML); most, gray; trace time sand; low to medium plasticity. Solit (ML); most, gray; trace time sand; low to medium plasticity. Solit (ML); most, gray; trace time sand; low to medium plasticity. Solit (ML); most, gray; trace time sand; low to medium plasticity. Solit (ML); most, gray; trace time sand; low to medium plasticity. Solit (ML); most, gray; trace time sand; low to medium plasticity. Solit (ML); most, gray; trace time sand; low to medium plasticity. Solit (ML); most, gray; trace time sand; low to medium plasticity. Solit (ML); most, gray; trace time sand; low to medium plasticity. Solit (ML); most, gray; trace time sand; low to medium plasticity. Solit (ML); most, gray; trace time sand; low that sand; low plasticity. Solit (ML); most, gray; trace time sand; low trace sand; low plasticity. Solit (ML); most, gray; trace time sand; low plasticity. Solit (ML); most, gray; trace time sand; low plasticity. Solit (ML); most, gray; trace time sand; low plasticity. Solit (ML); most, gray; trace sand; low plastic											
SILITY SAND (SM); most, gray, frace time sand, low to medium plasticity. SILITY SAND (SM); most, gray, frace time sand, low to medium plasticity. SILITY SAND (SM); most, gray, frace time sand, low to medium plasticity. SILITY SAND (SM); most, gray, frace time sand, low to medium plasticity. SILITY SAND (SM); most, gray, frace time sand, low to medium plasticity. SILITY SAND (SM); most, gray, frace time sand, low to medium plasticity. SILITY SAND (SM); most, gray, frace time sand, low to medium plasticity. SILITY SAND (SM); most, gray, frace time sand, low to medium plasticity. SILITY SAND (SM); most, gray, frace time sand, low to medium plasticity. SILITY SAND (SM); most, gray, frace time sand, low to medium plasticity. SILITY SAND (SM); most, gray, frace time sand, low to medium plasticity. SILITY SAND (SM); most, gray, frace time sand, low to medium plasticity. SILITY SAND (SM); most, gray, frace time sand, low to medium plasticity. SILITY SAND (SM); most, gray, frace time sand, low to medium plasticity. SILITY SAND (SM); most, gray, frace time sand, low to medium plasticity. SILITY SAND (SM); most, gray, frace time sand, low to medium plasticity. SILITY SAND (SM); most, gray, frace time sand, low to medium plasticity. SILITY SAND (SM); most, gray, frace time sand, low to medium plasticity. SILITY SAND (SM); most, gray, frace time sand, low to medium plasticity. SILITY SAND (SM); most, gray, frace time sand, low to medium plasticity. SILITY SAND (SM); most, gray, frace time sand, low the										T	
PB-0.9 PB-0.9 PB-0.4 PB-0.4 PB-0.5 PB-0.3 PB-0.4 PB-0.5 PB-0.3 PB-0.3 PB-0.4 PB-0.5 PB-0.3 PB-0.3 PB-0.3 PB-0.3 PB-0.3 PB-0.3 PB-0.4 PB-0.5 PB-0.3 PB	5 +					PID=0.4		SILT (ML); moist, gray; trace fine sand	; low to medium	5
PD-0.9 PD-0.4 PD-0.5 PD	+							plasticit	y.	+	
PD-0.9 PD-0.4 PD-0.5 PD		45								1	
Becomes with trace gravel. 15											
Becomes with trace gravel. 15	lT									T	
Becomes with trace gravel. 15	1 +									+	
15 15 15 15 16 16 16 16	10-					PID=0.9		Becom	nes with trace gravel	+	10
PD-0.1 PD-0.2 PD-0.2 PD-0.3 PD-0.2 PD-0.3 PD-0.2 PD-0.2 PD-0.0 PD-0.2 PD-0.0 PD-0.2 PD-0.0 PD-0.2 PD-0.0 PD-0.2 PD-0.0 PD						PID=0.4		Decon	ies with trace graver.	1	
PD-0.2 PD-0.3 PD-0.2 PD-0.3 PD-0.2 PD-0.3 PD-0.2 PD-0.4 PD-0.5 PD						l -					
PID-0.3 PID-0.2 PID-0.3 PID-0.2 PID-0.5 PID-0.2 PID-0.5 PID-0.	1 †	40									
PD-0.3 PD-0.2 PD-0.2 PD-0.2 PD-0.5 PD-0.2 PD-0.5 PD	+									+	
Becomes with trace woody organic material. PiD=0.2 PiD=0.2 PiD=0.2 PiD=0.2 PiD=0.3 PiD=0.4 PiD=0.5				1		PID=0.2				+	
Becomes with trace woody organic material. PiD-0.2 PiD-0.2 PiD-0.2 PiD-0.2 PiD-0.2 PiD-0.4 PiD-0.5 PiD-0.2 PiD-0.2 PiD-0.2 PiD-0.2 PiD-0.4 PiD-0.5 PiD-0.5 PiD-0.3 PiD-0.3 PiD-0.3 PiD-0.3 PiD-0.4 PiD-0.5	15									L	.15
Becomes with trace woody organic material. PiD=0.2 PiD=0.2 PiD=0.5 PiD=0.5 PiD=0.5 PiD=0.8 PiD=0.3 PiD=0.3 PiD=0.3 PiD=0.3 PiD=0.3 PiD=0.3 PiD=0.3 PiD=0.3 PiD=0.3 PiD=0.4 PiD=0.5 PiD=0.3 PiD=0.5 PiD=0.3 PiD=0.5 PiD=0.3 PiD=0.5	13										15
Becomes without woody organic material. Becomes without woody organic material. Becomes with trace woody organic material. Becomes with trace woody organic material. Becomes with trace fine to coarse, subangular to subrounded gravel. 20 21 22 25 25 26 27 28 28 28 29 20 20 20 20 20 20 20 20 20	†					PID=0.2		Becom	nes with trace woody organic ma	terial.	
Becomes with trace woody organic material. Becomes with trace woody organic material. Becomes with trace woody organic material. Becomes with trace fine to coarse, subangular to subrounded gravel. 20 21/10/2022 NWTPH-GX PID=0.5 PID=0.3 PID=0.4 PID=0.4 PID=0.5 PID=0.8 PID=0.5 PID=0.5 PID=0.5 PID=0.5 PID=0.5 PID=0.5 PID=0.5 PID=0.8 PID=0.5 PID	+	35								+	
CB-08-19.5 011022 NWTPH-Gx PID=0.5 PID=0.9 PID=0.3 PID=0.3 PID=0.3 PID=0.4 PID=0.5 PID											
Becomes with trace fine to coarse, subangular to subrounded gravel. 20 21/10/2022 NWTPH-GX PID=0.5 PID=0.3 PID=0.3 PID=0.3 PID=0.4 PID=0.9 PID=0.3 PID=0.3 PID=0.5 PID=0.5 PID=0.5 PID=0.5 PID=0.7 PID=0.5					CB-08-19 5-			Becom	nes with trace woody organic ma	terial.	_
25 26 27 28 29 29 20 20 20 20 20 20 20 20				S .	011022	PID=0.9				angular to	
PID=0.3 PID=0.5 PID=0.	20+			Ĭ	NW IPH-GX			Subioui	ided graver.	†	20
PID=0.4 PID=0.5 PID=1.3 PID=0.5 PID=0.	+		☑ 1/10/2022	2						+	
25 25 26 27 28 28 29 29 20 20 20 20 20 20 20 20		30				PID=0.4		L			
SAND (SP); moist, gray; fine to coarse sand; trace fine to medium, subangular to subrounded gravel; trace low plasticity silt. Becomes with no gravel. Note: Sample depths from January 2022 were corrected and sample names do not reflect the actual depth of samples collected. Legend No Soil Sample Recovery Continuous core 1.85" ID Grab sample Water Level ATD See Exploration Log Key for explanation of symbols Logged by: RAC Approved by: DIM CB-0.8 PID=0.5 PID=0.5 PID=0.4 PID=0.5 PI											
PID=0.4 PID=0.5 PID=0.8 PID=1.7 PID=0.5 PID=0.8 PID=1.4 PID=0.5 PID=1.4 PID=1.	ΙŢ								, 0	· · · · · [
SAND (SP); most, gray; line to coarse sand; trace line to medium, subangular to subrounded gravel; trace low plasticity silt. Becomes with no gravel. Bottom of exploration at 28 ft. bgs. Note: Sample depths from January 2022 were corrected and sample names do not reflect the actual depth of samples collected. Legend No Soil Sample Recovery Continuous core 1.85" ID Grab sample Water Level ATD Water Level ATD See Exploration Log Key for explanation of symbols Log CB-08-27-011022 NWTPH-Gx PID=0.5 PID=0.8 PID=1.7 PID=1.4 PID=0.5 PID=0.8 PID=1.7 PID=1.4 PID=0.5	†					F ID=0.1				+	
CB-08-27-011022 NWTPH-Gx PID=0.5 PID=0.8 PID=0.8 PID=1.7 PID=1.4 PID=0.5 PID=0.8 PID=0	25					PID=0.4	1	SAND	(SP): moist_grav fine to coarse	sand: trace fine to	25
CB-08-27-011022 NWTPH-Gx CB-08-27-011022 NWTPH-Gx PID=1.7 PID=1.4 PID=0.5 Becomes with no gravel. Becomes with no gravel. Becomes with no gravel. Bottom of exploration at 28 ft. bgs. Note: Sample depths from January 2022 were corrected and sample names do not reflect the actual depth of samples collected. Legend No Soil Sample Recovery Continuous core 1.85" ID								medium	n, subangular to subrounded grav		
Becomes with no gravel. Bottom of exploration at 28 ft. bgs.		25						plasticit	y silt.		
Bottom of exploration at 28 ft. bgs. Note: Sample depths from January 2022 were corrected and sample names do not reflect the actual depth of samples collected. Legend No Soil Sample Recovery Continuous core 1.85" ID Grab sample Grab sample Bottom of exploration at 28 ft. bgs. Note: Sample depths from January 2022 were corrected and sample names do not reflect the actual depth of samples collected. See Exploration Log Key for explanation of symbols Logged by: RAC Approved by: DIM CB-08B	ΙŢ	25		85 S				Becom	nes with no gravel.	T	
and sample names do not reflect the actual depth of samples collected. Legend No Soil Sample Recovery Continuous core 1.85" ID Grab sample Grab sample Approved by: DIM	†		ı			110-0.3		Bottom	of exploration at 28 ft. bgs.		
and sample names do not reflect the actual depth of samples collected. See Exploration Log Key for explanation of symbols See Exploration Log See Exploration Log See Exploration Log CB-08B	+									2 were corrected	
Legend No Soil Sample Recovery Continuous core 1.85" ID Grab sample See Exploration Log Key for explanation of symbols Logged by: RAC Approved by: DIM	30+							and san	nple names do not reflect the act	tual denth of	30
Legend No Soil Sample Recovery Continuous core 1.85" ID Grab sample Water Level ATD See Exploration Log Key for explanation of symbols Logged by: RAC Approved by: DIM	"							samples	s collected.		55
Legend No Soil Sample Recovery Continuous core 1.85" ID Grab sample Water Level ATD See Exploration Log Key for explanation of symbols Logged by: RAC Approved by: DIM	†									†	
No Soil Sample Recovery	+	20								+	
No Soil Sample Recovery		Legend						_			
CB-08B	a)		Sample Re	ecovery		evel ATD					1
	ype			.85" ID	/ater			•		Log	
	Sa	Grab sa	mple		ا ⊂ ≥						

	۸۵	nost			Spi	c N Spar	n - 060172				Environmental Ex	ploration Lo	og
7		pect	_	E0 0 D	•		Specific Location	h	- -		Coordinates (SPN NAD83 ft)	Exploration Num	
_		ntractor		ipment	earbori	n Street, Seati	le WA, W side of Sampling Metho		ing		E:1272418.00 N:221023.00 (es Ground Surface Elev. (NAVD88)	[₽] CB-10)
		ervices Inc		•	DT		Percussion ham				, ,		
		perator	Geoprob Exploration				Vork Start/Completio		s		50' (est) Top of Casing Elev. (NAVD88)	Depth to Water (Beld	ow G.S
		s Fehner		ct push			11/22/2021	Date	•		NA	No Water Encour	
epth	Elev.	Exploration N	otes and	Sample Type/ID		Analytical pple Number &	Field Tests	Mate	erial		Description	140 VValor Endour	Dep
eet)	(feet)	Completion	Details	Type/ID	l	_ab Test(s)		Ту	ре	ASPH	ALT; asphalt.		(ft)
_	-	Backfille and asp	ed with grout halt patch								bgs removed with vac truck.		
5 -	- - 45 -	ı		S (S	VO	10-6-112221 Cs by 8260; WTPH-Gx	PID=4.3 PID=0.3			to mediu	SAND (SM); moist, brown; low pum sand. VITH SAND (ML); slightly moist, ne to medium sand.		\perp
- 10-	- - - 40 -	ı					PID=0.6						- - -10
	.						PID=0.6						1
				SS SS		0-13-112221 Cs by 8260;	PID=1.6						
Ī					N	WTPH-Gx	PID=0.5						T
-	٠ ا						F1D=0.5						†
15-	- 35			\square	00.4	0.40.440004							15
	.			% %		0-16-112221 Cs by 8260;	PID=1.6						
					N	WTPH-Gx	PID=0.9						
-	٠ ا												†
-	- 1						PID=0.8						+
	.						PID=0.5						1
20-	- 30						PID=0.9			Becom	es very moist, medium plasticity	fines.	+20
-	- 1						PID-0.9						†
-	-						PID=0.3						+
_	.			400 4	C	B-10-23.5- 112221	PID=1.5						1
	.			& 48	VO	Cs by 8260;	PID=1.6	Ш	Ш	Bottom	of exploration at 23.5 ft. bgs.		1
					l in	WTPH-Gx				Note: R	efusal at 23.5 ft bgs.		
25-	- 25									14010.11	ordodi di 20.0 ft bgo.		+25
-	-												T
-	-												Ť
-	-												†
-	-												+
30-	- 20												-30
	_												1
-	-												
Sample	Lege N	end No Soil Sample Continuous core			Water	No Wate	r Encountered	<u> </u>	(of symbo		Exploration Log	on
Sa		Grab sample			× 4					Logged b Approved	by: DRB d by: DIM	CB-10 Sheet 1 of 1	

	Δς	pect			Spic N Spar	1 - 060172			Environmental Ex Coordinates (SPN NAD83 ft)	ploration Log	
	\	NSULTING	652.5	S Dearbo	orn Street, Seattle W	•	SNS bu	ildina	E:1272449.00 N:221014.00 (es	.1	
		ntractor		uipment	on oucci, ocalic v	Sampling Meth		liding	Ground Surface Elev. (NAVD88)	[™] CB-11E	3
⊦	Holt Se	ervices Inc	Geopr	obe 54L	т	Percussion har	nmer		52' (est)		
	Op	perator		on Method		Nork Start/Completion			Top of Casing Elev. (NAVD88)	Depth to Water (Below	w GS)
	Louis	s Fehner	Dire	ct push		1/12/2022			NA	17' (ATD)	
Depth (feet)	Elev. (feet)	Exploration N Completion	lotes and Details	Sample Type/ID	Analytical Sample Number &	Field Tests	Materia Type	al	Description		Dept (ft)
Depth (feet)	Elev. (feet)	Exploration N Completion	lotes and Details ed with grout crete patch	Sample	Analytical Sample Number & Lab Test(s) CB-11-20-011222 NWTPH-Gx CB-11-24-011222 NWTPH-Gx	PID=0.8 PID=0.8 PID=0.8 PID=1.5 PID=1.5 PID=1.6 PID=2.5 PID=2.6 PID=3.1	Materia	SILTY sand. Become SILT V plasticit Cobble SAND trace come SILT (Become SILT	1	m to coarse sand;	
+							<u> </u>	Bottom	of exploration at 28 ft. bgs.	-	-
30+	20									- -	-30 -
Sample	Lege	end No Soil Sample Continuous core Grab sample	-		Water Level	evel ATD		of symbo		Exploratio Log CB-11B Sheet 1 of 1	n

	Δς	spect			Spi	ic N Spar	n - 060172 Specific Location			Environmental Ex	ploration Lo	
		NSULTING		652 S	-		tle WA, SW corr	er of lot		E:1272411.00 N:220969.00 (e		
		ntractor		uipmen		Tr Otroot, ocat	Sampling Meth			Ground Surface Elev. (NAVD88)	CB-12	<u> </u>
	Holt S	ervices Inc	Geopro	be 782	22DT		Percussion har	nmer		49' (est)		
	Q	perator	Explorat			V	Vork Start/Completion	on Dates		Top of Casing Elev. (NAVD88)	Depth to Water (Beld	ow GS)
	Loui	s Fehner	Dire	ect pus	sh		11/19/202	I		NA	No Water Encour	ntered
Depth (feet)	Elev. (feet)	Exploration N Completion	lotes and Details	Sam _l Type	pie San	Analytical nple Number & Lab Test(s)	Field Tests	Materia Type	I	Description		Dept (ft)
						. , ,	DID-0.6			ALT; asphalt.		7
5	550	Backfill and asp	ed with grout		CB-YON 12-5-111921 ICs by 8260; IWTPH-Gx 12-13-111921 ICs by 8260; IWTPH-Gx 12-22-111921 ICs by 8260; IWTPH-Gx	PID=0.6 PID=0.9 PID=1.0 PID=1.3 PID=1.8 PID=1.4 PID=1.4 PID=1.5 PID=1.3 PID=0.8		SAND brown; subrour sheen; SILT V fines; fire coarse, chemical	ALT; asphalt. WITH SILT AND GRAVEL (SF low plasticity fines; fine to medianded sand; fine, subangular to rano odor. WITH SAND (ML); moist, brown ne to coarse, angular to subroul subangular to subrounded graval-like odor. mes blue-gray.	um, ángular to ounded gravel; no ; low plasticity nded sand; fine to	- 10 - 15 15 20 	
25	Leg		Decorate			No Wester	- Chapter and			of exploration at 24 ft. bgs.	Evalousti	-25
Sample		No Soil Sample Continuous core Grab sample	-		Water Level		r Encountered		of symbo		Exploration Log CB-12 Sheet 1 of 1	

		pect			Spic N Spar	te Specific Location			Environmental Ex Coordinates (SPN NAD83 ft)	Exploration Numb	er
		ntractor	Fai	652 S E uipment	Dearborn Street, Se	attle WA, SW are Sampling Meth			E:1272430.00 N:220967.00 (es Ground Surface Elev. (NAVD88)	[♣] CB-13	
		ervices Inc		be 7822	DT	Percussion han			50' (est)		
		perator		on Method		Work Start/Completion			Top of Casing Elev. (NAVD88)	Depth to Water (Below	w GS
	Louis	Fehner	Dire	ct push		11/19/2021	1		NA	No Water Encount	terec
Depth (feet)	Elev. (feet)	Exploration N Completion	lotes and Details	Sample Type/ID	Analytical Sample Number & Lab Test(s)	Field Tests	Material Type		Description		Dept (ft)
		Backfille	ed with grout			PID=0.1			ALT; asphalt VITH SAND (ML); moist, brown;	low plasticity -	
-	-	and asp	halt patch			PID=0.0 PID=0.1		fines; fir coarse,	ne to coarse, angular to subrour subangular to subrounded grave no sheen; no odor.	ided sand; fine to	 - -
-	†					PID=0.3				-	Ī
5 -	+ 45 - -			S1	CB-13-5-111921 VOCs by 8260; NWTPH-Gx	PID=0.6		moist, b	WITH SILT AND GRAVEL (SP- rown; low plasticity fines; fine to ided sand; fine to coarse, angula no sheen; chemical-like odor.	coarse, angular to	+ 5 - -
-	†			82 23	CB-13-8-111921 VOCs by 8260;	PID=1.9		-		-	-
-	†			Щ	NWTPH-Gx	PID=0.9				-	
10-	40			0						-	- 10 -
_				Ш		PID=0.5				-	
						PID=0.6		-		_	
15-	35							-		_	 - 15
15] 35				CB-13-16-111921						
-				SS SS	VOCs by 8260; NWTPH-Gx	PID=1.2		fines; fir coarse,	VITH SAND (ML); moist, light br ne to medium, angular to subrou subangular to subrounded grave al-like odor.	inded sand; fine to	
-	+									-	_
	30			○ 1 3	CB-13-20-111921 VOCs by 8260; NWTPH-Gx	PID=1.1				-	-20 -
-								Bottom	of exploration at 22 ft. bgs.	-	_
-										-	-
25-	25									-	- 25
-										-	
-										-	_
_										-	
_										-	
30-	20									_	-30
30-										•	
1										-	
-										-	
ole o	Lege	lo Soil Sample	-			er Encountered		See Expl of symbo	oration Log Key for explanation	Exploratio Log	'n
Sample 20 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	- 199 G	Continuous core Grab sample	e 1.85" ID		Water			Logged be Approved	by: MMR d by: DIM	CB-13 Sheet 1 of 1	

	Δ	nect			Spic N Spar	n - 060172			Environmental Ex	ploration Lo	og
		pect	0	50 O D	Project Address & Site	•	to a strate.		Coordinates (SPN NAD83 ft)	Exploration Numi	
		ntractor		ipment	arborn Street, Seat	tle WA, W of SNS Sampling Metho		9	E:1272430.00 N:220967.00 (es Ground Surface Elev. (NAVD88)	[₩] CB-13I	В
		ervices Inc	Geoprol	•	T	Percussion ham			, ,		
		perator	Exploration			Work Start/Completion			50' (est) Top of Casing Elev. (NAVD88)	Depth to Water (Belo	ow GS)
		s Fehner	-	ct push	.(0)	1/10/2022	Datoo		NA	18' (ATD)	on 00)
Donth					Analytical		Motoria			10 (/112)	Dept
	Elev. (feet)	Exploration N Completion	Details	Sample Type/ID	Sample Number & Lab Test(s)	Field Tests	Materia Type		Description		(ft)
-	-	Backfille and asp	ed with grout halt patch			PID=1.8 PID=0.9 PID=0.1 PID=0.3		SILTY	ALT; asphalt SAND WITH GRAVEL (SM); m sand; fine to coarse, subangular ow plasticity fines; trace brick ar	to subrounded	- - - -
5 -	- 45 -					PID=0.5 PID=1.3		No brid	ck or glass debris observed.		- 5 - - -
10-	- 40 - -					PID=0.5 PID=0.4 PID=0.3 PID=0.3		SILT (I	ML); moist, gray; trace fine sand y.	l; low to medium	-10 -
- 15- - -	- 35	⊻ 1/10/2	. ☑ 1/10/2022			PID=0.5 PID=0.6 PID=0.7 PID=0.3 PID=0.3 PID=0.5 PID=0.6			nes with trace fine, subangular g	ravel.	- -15 - -
20-	- 30 - -			S1	CB-13-24.5- 011022 VOCs by 8260	PID=0.7 PID=0.4 PID=0.2 PID=0.8 PID=0.3 PID=0.2		SILT V subangi	VITH SAND (ML); wet, gray; fine ular to subrounded sand; mediur	e to coarse, n plasticity.	-20 - - -
- 25 - - -	- - 25 -				v 3 3 5 5 7 5 2 5 5	PID=0.3 PID=0.2 PID=0.2		Becom gravel.	nes with trace fine, subangular to	o subrounded	- -25 -
30-	- 20							Note: Sa	of exploration at 28 ft. bgs. ample depths from January 202; aple names do not reflect the act s collected.		-30 -
Sample	Leg	end No Soil Sample Continuous core Grab sample	-		Mater Level	evel ATD		See Expl of symbol Logged & Approved	by: RAC	Exploration Log CB-13B Sheet 1 of 1	

	۸۵	nost			Spi	c N Spar	า - 060172			Environmental Ex	ploration Lo	og
7		pect			Projec	ct Address & Site	e Specific Location	built-ii-		Coordinates (SPN NAD83 ft)	Exploration Num	
-		ntractor		52 S Dea ipment	arborn	Street, Seattl	e WA, SW side of Sampling Method		9	E:1272433.00 N:220979.00 (es Ground Surface Elev. (NAVD88)	[∯] CB-14	4
		ervices Inc		obe 54L	_		Percussion hami			51' (est)		
-		perator	Exploration			1	Vork Start/Completion			Top of Casing Elev. (NAVD88)	Depth to Water (Bel	low G.S.
		s Fehner	'	ct push	2(0)		11/19/2021	Datoo		NA	No Water Encour	
pth	Elev.	Exploration N	lotes and	Sample Type/ID	Sam	Analytical pple Number &	Field Tests	Materia	ı	Description	140 Valor Eriocal	Dept
:t)	(feet)	Completion	Details	Type/ID	L	_ab Test(s)	Tiola Toolo	Туре	ΔSDH	ALT; asphalt.		(ft)
1	50	Backfille	ed with grout				PID=0.2		SAND	WITH SILT AND GRAVEL (SP-	SM); moist,	1
		and asp	halt patch				PID=0.3			ow plasticity fines; fine to coarse ided sand; fine to coarse, suban		
									subroun	ided gravel; no sheen; chemical-	like odor.	
1									-			Ť
+									Becom	nes slightly moist.		+
+					CD.	14-6-111921	PID=0.8		-			- 5
1	45			₹	VO	Cs by 8260;	PID=3.0		:			+
					N'	WTPH-Gx	PID=1.2		:			
†							PID=0.3					†
+	1								.			+
+							PID=0.7		-			10
4	40											+
												1
					CR-1	4-13-111921	PID=1.0					
				85 25	VO	Cs by 8260;	PID=1.6					T
1					N'	WTPH-Gx	PID=2.6		-			†
+									-			15
	35								-			+
1							PID=1.8			ML); moist, blue-gray; low plastic		e _
							PID=2.0		to mediu	um sand; trace fine, subangular strong chemical-like odor.	to subrounded	
Ī									g , .			T
t	1											†
1-												-20
+	30			SS S		4-21-111921 Cs by 8260;						+
1					N'	WTPH-Gx						+
				S ₄	VO	4-22-111921 Cs by 8260;						1
	- 1				N'	WTPH-Gx						
1									Bottom	of exploration at 24 ft. bgs.		1
5-												-25
+	25											+
+												+
4	.											+
\int												
)												-30
+	20											†
+												+
_	Lege	end							0. 5 :	and the second second second		
		No Soil Sample	-		<u>_</u> _	No Wate	r Encountered		See Explored of symbol	oration Log Key for explanation ols	Explorati	on
Type		Continuous core Grab sample	e 1.85" ID		Water Level				Logged b		Log CB-14	
) .	ן עצו פ	oran sample								d by: DIM	Sheet 1 of 1	1

	۸.	most			Spic	c N Span	ı - 060172			Environmental Ex	ploration Lo	
7	_	SPECT	652 S Dea	rborn St	<i>Project</i> reet, Se	t Address & Site attle WA, SM	Specific Location I side of building	8 ft SW	of original	Coordinates (SPN NAD83 ft) :1272433.00 N:220979.00 (es	Exploration Num	
		ontractor	Eq	uipment		locatio	on Sampling Meth	od	- 1	Ground Surface Elev. (NAVD88)	[™] CB-14	В
l H		Services Inc		be 7822	DT		Percussion han			51' (est)		
	C	perator		ion Metho		V	Vork Start/Completic	n Dates		Top of Casing Elev. (NAVD88)	Depth to Water (Bel	low GS
	Lou	is Fehner	Dire	ect push			1/10/2022			NA	10' (ATD)	
Depth (feet)	Elev.	Exploration N Completion	Notes and Details	Sample Type/ID	Samp	Analytical ble Number & ab Test(s)	Field Tests	Materia Type	ıl	Description		Dept (ft)
						ab rest(s)				ALT; asphalt		\perp
1 +	50	Backfill and asp	ed with grout shalt patch				PID=0.2 PID=0.1			SAND (SM); slightly moist, brov lar to subrounded sand; low pla		+
1 +			·				PID=0.1 PID=0.1		fine, sub	angular to subrounded gravel.	•	\mathcal{A}
1 1									SAND\ subangu	/ SILT (ML); moist, gray; fine to lar to subrounded sand; low to	medium, medium plasticity.	1
										······································		
5 +				H			PID=0.5			SAND (SM); moist, brown; fine	to medium sand;	+ 5
1 +	45			H			PID=0.8		low plast	ticity fines.		+
1 +									-			+
1 1									- -			1
									-			
		₩ 4/40/	2022						:			T
10+		∑ 1/10/2	2022				PID=1.1		SANDY	SILT (ML); wet, gray-brown; fi	ne to medium	+ 10
1 +	40								sand; lo\ 	w plasticity fines		+
1 +												+
1 1												1
												1
15+				™ 20		4-20-011022 VTPH-Gx	PID=1.6		Becom	es moist.		- 15
1 +	35				140	VIIII-OX						+
1 +												+
1 4												1
20+				82 8		4-22-011022 VTPH-Gx	PID=1.6 PID=0.4					-20
	30						PID=0.5					†
] +					CE	3-14-24.5-	PID=0.8 PID=0.4		 Becom	es with trace fine, subangular to	o subrounded	+
+				SS 🕏		011022	PID=0.8		gravel.	, 3		+
					NV	VTPH-Gx						
25												٦
25+						14.00 5	PID=5 PID=5.1		QII T /A	ML); moist, gray; trace fine to m	odium cand: low	- 25
	25			6 5 8	(3-14-29.5- 011022	PID=5.4		plasticity		edidili salid, low	Ť
+					NV	VTPH-Gx						+
+												+
												+
30+								ШЩ				30
									Bottom o	of exploration at 30 ft. bgs.		30
	20									ample depths from January 202 uple names do not reflect the ac		T
†										collected.	taar aoptii oi	†
1	Leg	jend							0. 5 :			
i		No Soil Sample	-				vel ATD		See Explo of symbol	oration Log Key for explanation ls	Explorati	on
Sample Type		Continuous core	e 1.85" ID		Water Level				Logged b		Log CB-14B	l
ω.	الأكا	Grab sample							Approved		Sheet 1 of 1	

APPENDIX D

Photo Log



Photograph 1. Electrode Installation in KeyBank Parking Lot (2019)



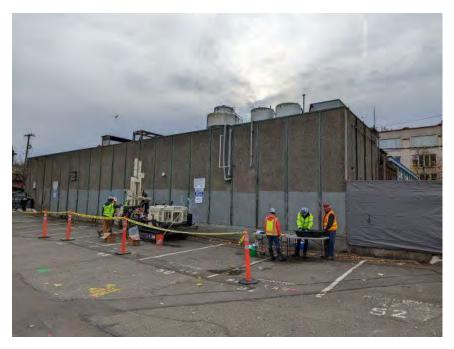
Photograph 2. Electrode Row D Trench (2019)



Photograph 3. Liquid GAC Vessels (July 2021)



Photograph 4. Vapor GAC Vessels (July 2021)



Photograph 5. Confirmation Soil Borings (November 2021)



Photograph 6. Hot Soil Samling Sleeves (November 2021)



Photograph 7. Hot Groundwater Sampling (December 2021)



Photograph 8. Vapor GAC Removal (March 2022)

APPENDIX E

Soil, Groundwater, and GAC Disposal Documentation

lease print or type.				PS 9-18	10		En	m Annous	AL OND No.	0050
UNIFORM HAZARDOUS 1.	Generator ID Number	70074		3. Emergehoy Respons	se Phone	4. Manifest	Constitute !	m Approved	-	ALC: UNKNOWNED
5. Generator's Name and Mailing A	WAD 0 2 7 4	13914	21	(800) 424- 9 Generator's Site Addres		U,	T 2 1	819	TQ	<u>- L</u>
SPIC & SPAN C 2101 4th Ave, Si Seattle WA 9812 Generalor's Phone:	LEANERS INC uite 310	(206) 682		SPIC & 652 S D	SPAN	CLEANERS		la la	r a	
6. Transporter 1 Company Name	***************************************	(200) 002	×30%0 1			U.S. EPAID	Number		5 9-1	17
NRC 7. Transporter 2 Company Name						Contract of the Contract of th		000	301	1 4
White	Pacific					U.S. FAID	D n6	1742	2010	
8. Designated Facility Name and S CHEMICAL	In Address	IENT INC				U.S. EPA ID 1	Yumber	1	2110	
1/028 CEDA	NR SPRINGS LANE I OR 97812-9709	(541)454	l_ 2643			OR	ם ם	894	5 2 3	5 3
9a 9b U.S. DOT Description (including Proper Shipping Name, I			10. Conta	iners	11. Total	40.11.00			
HM and Packing Group (if any))				Na.	Туре	Quantity	12. Unit Wt./yol.	13.	Waste Code	}
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	i Additional Information 14 - Bulk F-Listed I C)W Sail; ERG=	=171,RQ=	10lbs (20	167	OP	
OR342959;LFC E/R/P=CHEM* GENERATOR'S/OFFEROR'S C marked and labeled/placarded, Exporter, I certify that the conter I certify that the waste minimized	04 - Bulk F-Listed IE TREC#CCN24117 ERTIFICATION: I hereby declar and are in all respects in proper to till of tills consignment conform to tion statement identified in 40 CFF	D that the contents of this prodition for transport account the terms of the extension	tainer# consignment an	fully and accurately de	ouer Boneum	nental regulations. I		+62		ed.
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	5. Transporter Company Name C. L. 6. Transporter Company Name									
2B. Cont	maam	U.S. EPA ID								
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EPA Form \$700-22 (Rev. 1)-17) Previous editions are obsolete.

20 Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the interilest except as noted in Item 18a

DESIGNATED FACILITY TO EPA'S e-MANIFEST SYSTEM

472562

UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet) 21. Generator D Number WAD 02747397 24. Generator's Name Spic + Span Clean 25. Transporter 2 Company Name CRL			OF	1 98	71734	
26. Transporter Company Name			U.S. EPAID	Number		
27a. 27b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	28, Containers No. Type		29. Total Quantity	30. Unit Wt./Vol.	31. Waste Codes	
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t. Special Handling Instructions and Additional Information	-					
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. Transporter Acknowledgment of Receipt of Materials inted/Typed Name Signs		1	100	//	Mopelly Clay	
Transporter Acknowledgment of Receipt of Misterials	Jan	V.	7 W	2014	19116	
	ture	(/	/	Month Day	
Discrepancy				-		

e print or type. 472559				Fon	m Approved	OMB No.	205
UNIFORM HAZARDOUS 1 Generator ID Number 2 Page 1 of 3 Emer	gency Respons (0) 424- 9		4. Manifest	137	819	16 F	=L
SPIC & SPAN CLEANERS INC 2101 4th Ave, Suite 310 Seattle WA 98121	SPIC & 652 S DI	SPAN (han mailing addre	55)			
Generator's Phone: (206) 682-3628 6 Transporter 1 Company Name NRC			U.S. EPAID		000	3 0 1	1
7. Transporter 2 Company Hame Which Pacific			U.S. EPAID	D g	8179	29/0)
Designated Excits Name and Site Address CHEMICAL WASTE MANAGEMENT, INC. 17629 CEDAR SPRINGS LANE ARLINGTON OR 97812-9709 Facility's Phone: (541) 454 - 2643			U.S. EPAID	Number	394		
9a. 9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Conta	iners Type	11. Total Quantity	12. Unit Wt./Vol.	13.	Waste Code	25
VASTE ENVIRONMENTALLY HAZARDOUS SUBSTANCE	01	СМ	30180	P	F002		
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4. Spicial Handling testructions and Additional Information 1. OR342959;LF04 - Bulk F-Listed IDW Soil; ERG=171;RQ=10lb. E/R/P=CHEMTREC#CCN24117 Container# \(\Lightarrow \L		017	L		3018	Bol	
1. OR342859; LF04 - Bulk F-Listed IDW Soil; ERG=171; RQ=10lb E/R/P=CHEMTREC#CCN24117 Container# L/M. GENERATOR's/OFFEROR'S CERTIFICATION: I haveby declare that the containts of this consignment are fully as marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable interesporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment I certify that the wester minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or interalor a/Offeror's PrintedTyped Name Separture	XU 87 and accurately de mational and mation of Consent.	iscribed abovernational governa	nental regulations	ripping nam	e, and are cla	ssified, pack am the Prim	ary
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24. Generator's Name					
SOIL + Span Cleaner	3, Inc				
25. Transporter 2 Company Name			U.S. EPAJO	Number 70	7173467
26. Transporter Company Name			U.S. EPAID	Number	1110101
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27a. 27b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, HM and Packing Group (if any))	28, Con	Type	29. Total Quantity	30. Unit WL/Vol.	31. Waste Codes
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Please print or type. 2. Page 1 of 3. Emergency Response Phone Form Approved, OMB No. 2050-0039 UNIFORM HAZARDOUS 1. Generator ID Number WAD027473974 0201211 (300) 424-9300 WASTE MANIFEST 5. Generator's Name and Making Address 27 No. 47 1971 CHEST ALESCA Senerator's Site Address (if different than mailing address) 2101 4th Ave. Suite. 310 652 S DEATERONN ST Seattle, WA 98121 SEATTLE, WA. 98134-1393 (206) 682-3628 Large Button Matthew Han 10-2-19 per Amanda Payney's R operations specialist to the state of the NRC CAR 000030114 articles Lon Management of the Northwest-UNTON PALIFIC RAILROAD NEUDO 1792 910 TO THE WITTEN TO THE MAN THE WASTERSTEEL TO 17629 CEDAR SPRINGS LAME ORD099452353 ARUNGTON, OR 97812 Facility's Phone: (543) 434-2543 9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number 10. Containers 11 Total 12 Unit 13. Waste Codes and Packing Group (if any)) HM Quantity WL NOL ¹ NA3077, Hazardous Waste, solid, n.o.s., 9, PG 111, (F002) FOOR GENERATOR 01 CM 14. Special Handling Instructions and Additional Information OR342959 - Bulk F-Listed IDW Soll, ERG: (171), RQ=10(bs Contained MMXU 8659 E/R/P-CHEMITRECHOOM24117 15. GENERATOR SIGFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primsry Exporter, i certify that the contents of this consignment conform to the terms of the attached EPA Actuantedgment of Consent. certify that the weste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true Generator's/Offeror's Printed/Typed Name * Year Day Zaral Bino (i. International Shipments Import to U.S. Port of entry/exit: _ Export from U.S. Transporter signature (for exports only): Date leaving U.S. 17. Transporter Acknowledgment of Receipt of Materials Transporter 1 Printed/Typed Namo 18. Discrepancy James 18a Discrepancy Indication Space Quantity KR 18-1-19 Type

II.1 Approved to amend weight per Scott St. John/Director of Project Services/OH Environmental. 18b. Alternate Facility (or Generator) U.S. EPA ID Number Facility's Phone: 180, Signature of Alternate Facility (or Generator) Day DESIGNAT 19. Hazardous Waste Report Management Method Codes (I.e., codes for hazardous waste treatment, disposal, and recycling systems) 4. 20. Designeted Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as juded in Item 18a Printed/Typed N EPA Form 8700-22 (Rev. 12-17) Previous editions are obsolete: DESIGNATED FACILITY TO EPA'S e-MANIFEST SYSTEM

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5. Generator's Name and Generator's Phone:	(101 4 th Avenue, St eattle, WA 98121 206) 682-3628	te. 310	Ge	652 Dearboi Seattle, W.A.	m St.	than mailing addre	ess)		
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Seattle, WA 98121	652 SDearbo						
Generator's Phone: (206) 682-3628 Attn: Joel Ostroff	Seattle, WA 9	8134				05 16	12
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3. Designated Facility Name and Site Address			U.S. EPA ID I				-
17629 Cedar Springs Lane							
Arlington, OR 97812			ORDOS!	34523	53		
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EPA Form 8700-22 (Rev. 12-17) Previous editions are obsolete.

Please print or type. Form Approved. OMB No. 2050-0039 UNIFORM HAZARDOUS 1. Generator ID Number 2. Page 1 of 3. Emergency Response Phone **WASTE MANIFEST** WAD027473974 (800) 337-7455 Generator's Name and Mailing Address Spic N Span Cleaners Corp. Generator's Site Address (if different than mailing address) 2101 4th Ave., Ste. 310 Spic N Span Cleaners Co. Seattle, WA 98121 652 S Dearborn St. (206) 682-3628 Attn: Joel Ostroff Seattle, WA 98134 Generator's Phone: 6. Transporter 1 Company Name CAR000030114 U.S. EPA ID Number NED 00 17979 10 7. Transporter 2 Company Name 8. Designated Facility Name and Site Address 17629 Cedar Springs Lane ORD089452353 Arlington, OR 97812 Facility's Phone: (541) 454-2643 9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, 10. Containers 9a. 11. Total 12. Unit 13. Waste Codes and Packing Group (if any)) НМ Wt./Vol. Quantity NA3077, Hazardous Waste, Solid, n.o.s., 9, PG III, F002 CM 0 (tetrachloroethylene, trichloroethylene) XX 10-24-19 14. Special Handling Instructions and Additional Information OR342959 - LF04 Bulk F-listed IDW Soil, ERG: (171) WMXU 8817 15 GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations, if export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true. Generator's/Offeror's Printed/Typed Name Day Year 16. International Shipments Port of entry/exit: Transporter signature (for exports only): Date leaving U.S. 17 Transporter Acknowledgment of Receipt of Materials Transporter 1 Printed/Typed Name Day Year Transporter 2 Printed/Typed Name Month 10 18. Discrepancy 18a. Discrepancy Indication Space Quantity KR 10-24-19 Type Residue Partial Rejection
10.1,11.1,12.1 Approved to amend quantity per Scott St. John/Director of Project Services/DH Environmental 18b. Alternate Facility (or Generator) U.S. EPA ID Number Facility's Phone: SIGNATED 18c. Signature of Alternate Facility (or Generator) Month Day Year 19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems) 20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as in-lem 18a Signature

DESIGNATED FACILITY

Please print or type. Form Approved. OMB No. 2050-0039 21_Generator ID Number 23. Manifest Tracking Number 22. Page 2 UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet) 24. Generator's Name U.S. EPAID Number 25. Transporter U.S. EPA ID Number 26. Transporter _ Company Name 28, Containers 27b U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, 27a. 29 Total 30. Unit 31. Waste Codes and Packing Group (if any)) НМ Quantity Wt./Vol. No. Type GENERATOR 32, Special Handling Instructions and Additional Information 33. Transporter _______ Acknowledgment of Receipt of Materials Printed/Typed Name 34. Transporter Acknowledgment of Receipt of Materials Printed/Typed Name Month Signature, Day Year 35. Discrepancy FACILITY

DESIGNA

36. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1	UNIF	ORM HAZARDOUS	Generator ID Number	2. Page 1 of 3.			4. Manifest	Tracking N			706
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UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet) 21. Generator ID Number (Continuation Sheet)	22. Page	23. Mani	est Tracking Nu	mber // a	33 TK
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25. Transporter Company Name	0,00	1	U.S. EPAID	Number	7172467
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27a 27b U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	28. Conta	iners Type	29. Total Quantity	30. Unit Wt /Vol.	31. Waste Codes
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	Generator ID Number			3. Emergency Respo		I A Manifes		umber	
UNIFORM HAZARDOUS WASTE MANIFEST	WAD027473974	13	21	(800) 337	7-7455	02	012	113	4 Ju
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9a. HM 9b. U.S. DOT Description and Packing Group (if a	on (including Proper Shipping Name, Haza ny))	rd Class, ID Number,	,	10. Co	ntainers Type	11. Total Quantity	12. Unit Wt,/Vol.	13.	Waste Codes
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Form Approved, OMB No. 2050-0039

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	WASTE MANIFEST 5. Generator's Name and Mail	WADO27473974		1	Generator's Site Addres	7AEE	on moiling addr	0121	142	JJK
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	20, Designated Facility Owner of Printed/Typed Name	or Operator: Certification of receipt of ha	zardous materials covere		est except as noted in Ite nature	m 18a			Month	Day Year
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Form Approved. OMB No. 2050-0039 Please print or type. 23. Manifest Tracking Number 21. Generator ID Number UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet) 24. Generator's Name U.S. EPA ID Number 25. Transporter 26. Transporter Company Name 28. Containers 27b U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, 29. Total 30. Unit 27a. 31 Waste Codes and Packing Group (if any)) Wt./Vol. HM No. Туре Quantity 20 100 GENERATOR 32. Special Handling Instructions and Additional Information Acknowledgment of Receipt of Materials 33. Transporter Printed/Typed Name Signature Acknowledgment of Receipt of Materials 34. Transporter Signature Printed/Typed Name Month Day Year 35. Discrepancy ACILITY 36. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

Form Approved. OMB No. 2050-0039 Please print or type. 4. Manifest Tracking Number 1. Generator ID Number 2. Page 1 of 3. Emergency Response Phone UNIFORM HAZARDOUS WASTE MANIFEST WAD027473974 (800) 337-7455 Generator's Name and Malling Address Spic N Span Cleaners Corp. Generator's Site Address (if different than mailing address) 2101 4th Ave., Ste. 310 Spic N Span Cleaners Co. Seattle, WA 98121 652 5 Dearborn St. (206) 682-3628 Seattle, WA 98134 Attn: Joel Ostroff Generator's Phone: 6. Transporter 1 Company Name U.S. EPA ID Number CAR000030114 U.S. EPA ID Number 7. Transporter 2 Company Name 8. Designated Facility Name and Site Address
Cham ical Wasta M anagement of the Worthwest U.S. EPA ID Numbe 17629 Codar Springs Lane ORD089452353 Arlington, OR 97812 Facility's Phone: (541) 454-2643 9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, 10. Containers 11 Total 12, Unit 13. Waste Codes and Packing Group (if any)) НМ Туре Quantity Wt./Vol. No NA3077, Hazardous Waste, Solid, n.o.s., 9, PG III, GENERATOR F002 (tetrachloroethylene, trichloroethylene) 14. Special Handling Instructions and Additional Information OR342959 - LFO4 Bulk F-listed IDW Soil, ERG: (171) WMXU 8815 GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true Generator's/Offeror's Printed/Typed Name Day Year 16. International Shipments Export from U.S. Port of entry/exit: Transporter signature (for exports only): Date leaving U.S.: 17 Transporter Acknowledgment of Receipt of Materials Transporter 1 Printed/Typed Name Signature Month Day Year Transporter 2 Printed/Typed Name Signature Month Year 18. Discrepancy 18a. Discrepancy Indication Space Туре Quantity Residue Partial Rejection Full Rejection 18b. Alternate Facility (or Generator) U.S. EPA ID Number Facility's Phone: SIGNATED 18c. Signature of Alternate Facility (or Generator) Month Year Day 19 Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

Printed/Typed Name

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Please print or type. Form Approved. OMB No. 2050-0039 22. Page UNIFORM HAZARDOUS WASTE MANIFEST 21. Generator ID, Number 23. Manifest Tracking Number (Continuation Sheet) 24. Generator's Name 25. Transporter 26 Transporter Company Name 27b, U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, 28. Containers 27a 29. Total 30, Unit 31. Waste Codes НМ and Packing Group (if any)) No. Туре Quantity Wt./Vol. GENERATOR 32. Special Handling Instructions and Additional Information Acknowledgment of Receipt of Materials 33. Transporter ____ Printed/Typed Name Signature Month Day Year Acknowledgment of Receipt of Materials 34. Transporter Printed/Typed Name Signature Month Day Year 35. Discrepancy FACILITY

36. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

UNIFORM HAZARDOUS	Generator ID Number		Emergency Respons	se Phone	4. Manifest	Tracking N			
WASTE MANIFEST	WAD027473974	2-1	(800) 337				136	4 J	<u>] </u>
Generator's Phone:	ling Address Spic N Span Cleaners 2101 4 th Ave., Ste. 310 Seattle, WA 98121 (206) 682-3628 Att	0	Spic N Spun 652 S Dearb Seattle, W A	Cleaners Corn St.		ess)			
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UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number W AD027473974	1	Emergency Respons (800) 337		4. Manifest	Tracking No.	136	1 J.	JK
5 Generator's Name and Maili Generator's Phone	ng Address	Joel Ostroff	Spic N Span 652 S D earls Seattle, W A	Cleaners Corn St.	-4-5000	ss)			
Transporter 1 Company Nan	ital inc.				U.S. EPA ID	Number 000472	17		
7. Transporter 2 Company Nan Chemical Wash	ne e Management of the Nort	hwest			U.S. EPAID I	Number 194523	53		
17629 Ce	of Site Address Waste Management of the North dar Springs Lane , OR 97812 –2643	vest			U.S. EPAID I	Number 194523	53		
	ion (including Proper Shipping Name, Hazard Cl any))	ass, ID Number,	10, Conta	iners Type	11. Total Quantity	12. Unit Wt./Vol.	13.	Waste Code	3
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18b. Alternate Facility (or General	ator)		Manifest Reference	e Number:	U.S. EPA ID N	lumber			
Facility's Phone: 18c. Signature of Alternate Facil	ity (or Generator)				I	*	Mo	nth Day	Y
19 Hazardous Waste Report Ma	anagement Method Codes (i.e., codes for hazar	dous waste treatment, disposal, and	recycling systems)		-				1
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	r Operator: Certification of receipt of hazardous			m 18a					
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1	W	FORM HAZARDOUS ASTE MANIFEST	1 Generator ID Number WAD027473974	2. Page 1 o	(800) 33	7-7455		<u>012</u>	136	1 J.	JK
П		nerator's Name and Mailir erator's Phone:	2101 4 th Ave., Ste. 310 Seattle, WA 98121	nel Ostroff	Spic N Spu 652 S Dea Seattle, W	n Clauners C rborn St	The state of the s	ss)		110	
		nsporter 1 Company Nam	fal inc.				U.S. EPA ID	Number 7	217		
	7. Tra	nsporter 2 Company Nam	Management of the North	west			U.S. EPAID	Number 394523	53		
П			d Site Address		-		U.S. EPA ID	Number			
		17629 Car	ler Springs Lane OR 97812	= 10 A apr			ORDO	394523	53		
	9a. HM	9b. U.S. DOT Description and Packing Group (if a	on (including Proper Shipping Name, Hazard Clas any))	s, ID Number,	10. Co No.	ntainers Type	11. Total Quantity	12. Unit Wt./Vol.	13.	Waste Code	·S
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1	19, Ha:	zardous Waste Report Ma	nagement Method Codes (i.e., codes for hazardo	ous waste treatment, dispos 3.	al, and recycling system	s)	4.				
1 1		signated Facility Owner or Typed Name	Operator: Certification of receipt of hazardous m		ifest except as noted in gnature	Item 18a			Мо	nth Day	Year

	ORM HAZARDOUS	1. Generator ID Number WANDO27473974		2. Page 1 of 3. En	ergency Respon	nse Phone	4. Manifest	Fracking N	n Approved 128		Jŀ
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26. 1	ransporter Company Name			U.S. EPAID		11 10 16	21
7a.	27b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	28. Conta	Type	29. Total Quantity	30. Unit Wt./Vol.	31. Waste Co	des
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UNIFORM HAZARDOUS WASTE MANIFEST	WAD027473974		EDO) 337	7455	Andread Street, Street	012	128	9 J	JK	
5. Generator's Name and Ma	Septile, WA 98121	Mac 6	pis Neiphir 62 S Dearb eathle, WA	£ ma	iline address	s)				
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	ezardous Waste, solid, no.s. cethylene, trichloroethylene		1		238-10 mw 6-24-2		F002			
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16. International Shipments Transporter signature (for exp	Import to U.S.	Export from U.S.		entry/exit						
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18. Discrepancy 18a. Discrepancy Indication S	pace Quantity	Птуре [Residue		Partial Reje	ction		Full Reje	ection	
18b. Alternate Facility (or Gen	erator)	М	anifest Referen	ce Number:	U.S. EPA ID NO	imber	**************************************		2	
Facility's Phone; 18c. Signature of Alternate Fac	ality (or Generator)			3.			Mor	ith Day	Yea	
H132	Anagement Method Codes (I.e., codes for hazard	3,	- 27		4.5					
20. Designated Facility Owner Printed/Typed Name	or Operator: Certification of receipt of hazardous n	naterials covered by the manifest exce Signature	ot as noted in It	em 18a					Year	

28. Containers to. Type	U.S. EPAID N 29. Total Quantity	30. Unit Wt./Vol.	31. Wasle Codes
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DESIGNATED FACILITY

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UNIFORM HAZARDOUS WASTE MANIFEST 21. Generator ID Number: WAD027473974	22. Page 4		23. Manifest Tracking Number 023708529.JJK				
24. Generator's Name SPIC N SPAN CLEANERS CORP INC	ii .						
			U.S. EPA ID	Number			
25. Transporter Company Name: UPRR					11792910		
26. Transporter Company Name COLUMBIA RIDGE LANDEIL			1 0	VO S	37173487- ンタ・タン		
27a. 27b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	28. Cont	Type	29. Total Quantity	30. Unit Wt./Vol.	31. Waste Codes		
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5. G	Generator's Name and Maili		Att- L	ol Octro	nerator's Site Address	(if different	than mailing addr	ess)			
- //	Spic N Span Cle 652 S Dearborn Seattle VA 986	Street	Att. Jt	Jei Osuon							
Gen		1.6	0 2 0	100			I'L C EDA ID	h h i inch a n			
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,8. D	esignated Facility Name an	d Site Address					U.S. EPA ID	Number		7 14	4.55
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9a. HM	15 11 0 "	on (including Proper Shipping Nan iny))	ne, Hazard Class, ID Number,		10. Contai	ners Type	11. Total Quantity	12. Unit Wt./Vol.	13.	Waste Code	es
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5 3	NA3U//, Haz	ardous waste, solid, n	o.s. (Tetrachloroeth)	ylene,	20	D.A.	5278	0	E002	1	
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19. Ha	zardous Waste Report Mar	nagement Method Codes (i.e., cod	les for hazardous waste treatm	ent, disposal, and	recycling systems)			14.5	>		
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UNIFORM HAZARDOUS WASTE MANIFEST: 21/ Generator ID Number (Continuation Sheet)	nf		ameat Hacking N		0237 0 B	528.LK	
24. Generator's Name SPIC N SPAN CLEANERS CORP INC							
25. Transporter Company Name UPRIN	(1		U.S. EPA ID	NEC	001792	1 27	118
26. Transporter Company Name	40		U.S. EPA ID	Number	98717	457 03	
27a. 27b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	28. C	ontainers Type	29. Total Quantity	30. Unit Wt./Vol.		Waste God	is s
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APPENDIX F

Laboratory Certificates of Analysis





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

August 29, 2019

Delia Massey Aspect Consulting Dexter Horton Building 710 2nd Avenue, Suit 550 Seattle, WA 98104

Re: Analytical Data for Project 060172

Laboratory Reference No. 1908-309

Dear Delia:

Enclosed are the analytical results and associated quality control data for samples submitted on August 27, 2019.

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,

David Baumeister Project Manager

Enclosures

Project: 060172

Case Narrative

Samples were collected on August 26, 2019 and received by the laboratory on August 27, 2019. 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.

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.

Project: 060172

VOLATILE ORGANICS EPA 8260C

page 1 of 2

				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	SS-1					
Laboratory ID:	08-309-01					
Dichlorodifluoromethane	ND	0.00046	EPA 8260D	8-27-19	8-27-19	
Chloromethane	ND	0.0023	EPA 8260D	8-27-19	8-27-19	
Vinyl Chloride	ND	0.00046	EPA 8260D	8-27-19	8-27-19	
Bromomethane	ND	0.00060	EPA 8260D	8-27-19	8-27-19	
Chloroethane	ND	0.0023	EPA 8260D	8-27-19	8-27-19	
Trichlorofluoromethane	ND	0.00046	EPA 8260D	8-27-19	8-27-19	
1,1-Dichloroethene	ND	0.00046	EPA 8260D	8-27-19	8-27-19	
Acetone	0.0048	0.0046	EPA 8260D	8-27-19	8-27-19	
Iodomethane	ND	0.0023	EPA 8260D	8-27-19	8-27-19	
Carbon Disulfide	0.021	0.00065	EPA 8260D	8-27-19	8-27-19	Υ
Methylene Chloride	ND	0.0030	EPA 8260D	8-27-19	8-27-19	
(trans) 1,2-Dichloroethene	ND	0.00046	EPA 8260D	8-27-19	8-27-19	
Methyl t-Butyl Ether	ND	0.00046	EPA 8260D	8-27-19	8-27-19	
1,1-Dichloroethane	ND	0.00046	EPA 8260D	8-27-19	8-27-19	
Vinyl Acetate	ND	0.0023	EPA 8260D	8-27-19	8-27-19	
2,2-Dichloropropane	ND	0.00046	EPA 8260D	8-27-19	8-27-19	
(cis) 1,2-Dichloroethene	0.00069	0.00046	EPA 8260D	8-27-19	8-27-19	
2-Butanone	ND	0.0023	EPA 8260D	8-27-19	8-27-19	
Bromochloromethane	ND	0.00046	EPA 8260D	8-27-19	8-27-19	
Chloroform	ND	0.00046	EPA 8260D	8-27-19	8-27-19	
1,1,1-Trichloroethane	ND	0.00046	EPA 8260D	8-27-19	8-27-19	
Carbon Tetrachloride	ND	0.00065	EPA 8260D	8-27-19	8-27-19	
1,1-Dichloropropene	ND	0.00065	EPA 8260D	8-27-19	8-27-19	
Benzene	ND	0.00046	EPA 8260D	8-27-19	8-27-19	
1,2-Dichloroethane	ND	0.00046	EPA 8260D	8-27-19	8-27-19	
Trichloroethene	0.0013	0.00046	EPA 8260D	8-27-19	8-27-19	
1,2-Dichloropropane	ND	0.00046	EPA 8260D	8-27-19	8-27-19	
Dibromomethane	ND	0.00046	EPA 8260D	8-27-19	8-27-19	
Bromodichloromethane	ND	0.00046	EPA 8260D	8-27-19	8-27-19	
2-Chloroethyl Vinyl Ether	ND	0.0023	EPA 8260D	8-27-19	8-27-19	
(cis) 1,3-Dichloropropene	ND	0.00046	EPA 8260D	8-27-19	8-27-19	
Methyl Isobutyl Ketone	ND	0.0023	EPA 8260D	8-27-19	8-27-19	
Toluene	ND	0.0023	EPA 8260D	8-27-19	8-27-19	
(trans) 1,3-Dichloropropene	ND	0.00046	EPA 8260D	8-27-19	8-27-19	

Project: 060172

VOLATILE ORGANICS EPA 8260C

page 2 of 2

				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	SS-1					
Laboratory ID:	08-309-01					
1,1,2-Trichloroethane	ND	0.00046	EPA 8260D	8-27-19	8-27-19	
Tetrachloroethene	0.13	0.036	EPA 8260D	8-27-19	8-27-19	
1,3-Dichloropropane	ND	0.00046	EPA 8260D	8-27-19	8-27-19	
2-Hexanone	ND	0.0023	EPA 8260D	8-27-19	8-27-19	
Dibromochloromethane	ND	0.00046	EPA 8260D	8-27-19	8-27-19	
1,2-Dibromoethane	ND	0.00046	EPA 8260D	8-27-19	8-27-19	
Chlorobenzene	ND	0.00046	EPA 8260D	8-27-19	8-27-19	
1,1,1,2-Tetrachloroethane	ND	0.00046	EPA 8260D	8-27-19	8-27-19	
Ethylbenzene	ND	0.00046	EPA 8260D	8-27-19	8-27-19	
m,p-Xylene	ND	0.00093	EPA 8260D	8-27-19	8-27-19	
o-Xylene	ND	0.00046	EPA 8260D	8-27-19	8-27-19	
Styrene	ND	0.00046	EPA 8260D	8-27-19	8-27-19	
Bromoform	ND	0.0023	EPA 8260D	8-27-19	8-27-19	
Isopropylbenzene	ND	0.00046	EPA 8260D	8-27-19	8-27-19	
Bromobenzene	ND	0.00046	EPA 8260D	8-27-19	8-27-19	
1,1,2,2-Tetrachloroethane	ND	0.00046	EPA 8260D	8-27-19	8-27-19	
1,2,3-Trichloropropane	ND	0.00046	EPA 8260D	8-27-19	8-27-19	
n-Propylbenzene	ND	0.00046	EPA 8260D	8-27-19	8-27-19	
2-Chlorotoluene	ND	0.00046	EPA 8260D	8-27-19	8-27-19	
4-Chlorotoluene	ND	0.00046	EPA 8260D	8-27-19	8-27-19	
1,3,5-Trimethylbenzene	ND	0.00046	EPA 8260D	8-27-19	8-27-19	
ert-Butylbenzene	ND	0.00046	EPA 8260D	8-27-19	8-27-19	
1,2,4-Trimethylbenzene	ND	0.00046	EPA 8260D	8-27-19	8-27-19	
sec-Butylbenzene	ND	0.00046	EPA 8260D	8-27-19	8-27-19	
1,3-Dichlorobenzene	ND	0.00046	EPA 8260D	8-27-19	8-27-19	
o-Isopropyltoluene	ND	0.00046	EPA 8260D	8-27-19	8-27-19	
1,4-Dichlorobenzene	ND	0.00046	EPA 8260D	8-27-19	8-27-19	
1,2-Dichlorobenzene	ND	0.00046	EPA 8260D	8-27-19	8-27-19	
n-Butylbenzene	ND	0.00046	EPA 8260D	8-27-19	8-27-19	
1,2-Dibromo-3-chloropropane	ND	0.0023	EPA 8260D	8-27-19	8-27-19	
1,2,4-Trichlorobenzene	ND	0.00046	EPA 8260D	8-27-19	8-27-19	
Hexachlorobutadiene	ND	0.0023	EPA 8260D	8-27-19	8-27-19	
Naphthalene	0.026	0.00046	EPA 8260D	8-27-19	8-27-19	
1,2,3-Trichlorobenzene	ND	0.00046	EPA 8260D	8-27-19	8-27-19	
Surrogate:	Percent Recovery	Control Limits				
Dibromofluoromethane	111	76-131				
Toluene-d8	110	78-128				

 Dibromofluoromethane
 111
 76-131

 Toluene-d8
 110
 78-128

 4-Bromofluorobenzene
 84
 71-130



Project: 060172

VOLATILE ORGANICS EPA 8260C METHOD BLANK QUALITY CONTROL

page 1 of 2

				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Laboratory ID:	MB0827S2					
Dichlorodifluoromethane	ND	0.0010	EPA 8260D	8-27-19	8-27-19	
Chloromethane	ND	0.0050	EPA 8260D	8-27-19	8-27-19	
Vinyl Chloride	ND	0.0010	EPA 8260D	8-27-19	8-27-19	
Bromomethane	ND	0.0013	EPA 8260D	8-27-19	8-27-19	
Chloroethane	ND	0.0050	EPA 8260D	8-27-19	8-27-19	
Trichlorofluoromethane	ND	0.0010	EPA 8260D	8-27-19	8-27-19	
1,1-Dichloroethene	ND	0.0010	EPA 8260D	8-27-19	8-27-19	
Acetone	ND	0.010	EPA 8260D	8-27-19	8-27-19	
lodomethane	ND	0.0050	EPA 8260D	8-27-19	8-27-19	
Carbon Disulfide	ND	0.0014	EPA 8260D	8-27-19	8-27-19	
Methylene Chloride	ND	0.0064	EPA 8260D	8-27-19	8-27-19	
(trans) 1,2-Dichloroethene	ND	0.0010	EPA 8260D	8-27-19	8-27-19	
Methyl t-Butyl Ether	ND	0.0010	EPA 8260D	8-27-19	8-27-19	
1,1-Dichloroethane	ND	0.0010	EPA 8260D	8-27-19	8-27-19	
Vinyl Acetate	ND	0.0050	EPA 8260D	8-27-19	8-27-19	
2,2-Dichloropropane	ND	0.0010	EPA 8260D	8-27-19	8-27-19	
(cis) 1,2-Dichloroethene	ND	0.0010	EPA 8260D	8-27-19	8-27-19	
2-Butanone	ND	0.0050	EPA 8260D	8-27-19	8-27-19	
Bromochloromethane	ND	0.0010	EPA 8260D	8-27-19	8-27-19	
Chloroform	ND	0.0010	EPA 8260D	8-27-19	8-27-19	
1,1,1-Trichloroethane	ND	0.0010	EPA 8260D	8-27-19	8-27-19	
Carbon Tetrachloride	ND	0.0014	EPA 8260D	8-27-19	8-27-19	
1,1-Dichloropropene	ND	0.0014	EPA 8260D	8-27-19	8-27-19	
Benzene	ND	0.0010	EPA 8260D	8-27-19	8-27-19	
1,2-Dichloroethane	ND	0.0010	EPA 8260D	8-27-19	8-27-19	
Trichloroethene	ND	0.0010	EPA 8260D	8-27-19	8-27-19	
1,2-Dichloropropane	ND	0.0010	EPA 8260D	8-27-19	8-27-19	
Dibromomethane	ND	0.0010	EPA 8260D	8-27-19	8-27-19	
Bromodichloromethane	ND	0.0010	EPA 8260D	8-27-19	8-27-19	
2-Chloroethyl Vinyl Ether	ND	0.0050	EPA 8260D	8-27-19	8-27-19	
(cis) 1,3-Dichloropropene	ND	0.0010	EPA 8260D	8-27-19	8-27-19	
Methyl Isobutyl Ketone	ND	0.0050	EPA 8260D	8-27-19	8-27-19	
Toluene	ND	0.0050	EPA 8260D	8-27-19	8-27-19	
(trans) 1,3-Dichloropropene	ND	0.0010	EPA 8260D	8-27-19	8-27-19	

Project: 060172

VOLATILE ORGANICS EPA 8260C METHOD BLANK QUALITY CONTROL

page 2 of 2

				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Laboratory ID:	MB0827S2					
1,1,2-Trichloroethane	ND	0.0010	EPA 8260D	8-27-19	8-27-19	
Tetrachloroethene	ND	0.0010	EPA 8260D	8-27-19	8-27-19	
1,3-Dichloropropane	ND	0.0010	EPA 8260D	8-27-19	8-27-19	
2-Hexanone	ND	0.0050	EPA 8260D	8-27-19	8-27-19	
Dibromochloromethane	ND	0.0010	EPA 8260D	8-27-19	8-27-19	
1,2-Dibromoethane	ND	0.0010	EPA 8260D	8-27-19	8-27-19	
Chlorobenzene	ND	0.0010	EPA 8260D	8-27-19	8-27-19	
1,1,1,2-Tetrachloroethane	ND	0.0010	EPA 8260D	8-27-19	8-27-19	
Ethylbenzene	ND	0.0010	EPA 8260D	8-27-19	8-27-19	
m,p-Xylene	ND	0.0020	EPA 8260D	8-27-19	8-27-19	
o-Xylene	ND	0.0010	EPA 8260D	8-27-19	8-27-19	
Styrene	ND	0.0010	EPA 8260D	8-27-19	8-27-19	
Bromoform	ND	0.0050	EPA 8260D	8-27-19	8-27-19	
Isopropylbenzene	ND	0.0010	EPA 8260D	8-27-19	8-27-19	
Bromobenzene	ND	0.0010	EPA 8260D	8-27-19	8-27-19	
1,1,2,2-Tetrachloroethane	ND	0.0010	EPA 8260D	8-27-19	8-27-19	
1,2,3-Trichloropropane	ND	0.0010	EPA 8260D	8-27-19	8-27-19	
n-Propylbenzene	ND	0.0010	EPA 8260D	8-27-19	8-27-19	
2-Chlorotoluene	ND	0.0010	EPA 8260D	8-27-19	8-27-19	
4-Chlorotoluene	ND	0.0010	EPA 8260D	8-27-19	8-27-19	
1,3,5-Trimethylbenzene	ND	0.0010	EPA 8260D	8-27-19	8-27-19	
tert-Butylbenzene	ND	0.0010	EPA 8260D	8-27-19	8-27-19	
1,2,4-Trimethylbenzene	ND	0.0010	EPA 8260D	8-27-19	8-27-19	
sec-Butylbenzene	ND	0.0010	EPA 8260D	8-27-19	8-27-19	
1,3-Dichlorobenzene	ND	0.0010	EPA 8260D	8-27-19	8-27-19	
p-Isopropyltoluene	ND	0.0010	EPA 8260D	8-27-19	8-27-19	
1,4-Dichlorobenzene	ND	0.0010	EPA 8260D	8-27-19	8-27-19	
1,2-Dichlorobenzene	ND	0.0010	EPA 8260D	8-27-19	8-27-19	
n-Butylbenzene	ND	0.0010	EPA 8260D	8-27-19	8-27-19	
1,2-Dibromo-3-chloropropane	ND	0.0050	EPA 8260D	8-27-19	8-27-19	
1,2,4-Trichlorobenzene	ND	0.0010	EPA 8260D	8-27-19	8-27-19	
Hexachlorobutadiene	ND	0.0050	EPA 8260D	8-27-19	8-27-19	
Naphthalene	ND	0.0010	EPA 8260D	8-27-19	8-27-19	
1,2,3-Trichlorobenzene	ND	0.0010	EPA 8260D	8-27-19	8-27-19	
Surrogate:	Percent Recovery	Control Limits				
Dibromofluoromethane	101	76-131				
Toluene-d8	106	78-128				

4-Bromofluorobenzene

71-130

96

Project: 060172

VOLATILE ORGANICS EPA 8260C SB/SBD QUALITY CONTROL

					Per	cent	Recovery		RPD	
Analyte	Result		Spike Level		Recovery		Limits	RPD	Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB08	27S2								
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	0.0473	0.0464	0.0500	0.0500	95	93	57-133	2	18	
Benzene	0.0453	0.0447	0.0500	0.0500	91	89	71-129	1	16	
Trichloroethene	0.0537	0.0540	0.0500	0.0500	107	108	71-122	1	16	
Toluene	0.0516	0.0517	0.0500	0.0500	103	103	74-125	0	15	
Chlorobenzene	0.0543	0.0540	0.0500	0.0500	109	108	72-120	1	14	
Surrogate:										
Dibromofluoromethane					100	102	76-131			
Toluene-d8					105	109	78-128			
4-Bromofluorobenzene					95	94	71-130			

Project: 060172

GASOLINE RANGE ORGANICS NWTPH-Gx

Matrix: Soil

Units: mg/kg (ppm)

				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	SS-1					
Laboratory ID:	08-309-01					
Mineral Spirits	ND	2.6	NWTPH-Gx	8-28-19	8-28-19	
Surrogate:	Percent Recovery	Control Limits				
Fluorobenzene	85	58-129				

GASOLINE RANGE ORGANICS NWTPH-Gx QUALITY CONTROL

Matrix: Soil

Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0828S1					
Mineral Spirits	ND	5.0	NWTPH-Gx	8-28-19	8-28-19	
Surrogate:	Percent Recovery	Control Limits			_	
Fluorobenzene	78	58-129				

Analyte	Res	sult	Spike	Level	Source Result	Percen Recove		RPD	RPD Limit	Flags
DUPLICATE			Орт				<u>,</u>			90
Laboratory ID:	08-30	09-01								
	ORIG	DUP								
Mineral Spirits	ND	ND	NA	NA		NA	NA	NA	30	
Surrogate: Fluorobenzene						85 8	34 58-129			

% MOISTURE

			Date
Client ID	Lab ID	% Moisture	Analyzed
SS-1	08-309-01	14	8-27-19



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.
- 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.

7 -

ND - Not Detected at PQL

PQL - Practical Quantitation Limit

RPD - Relative Percent Difference





Chain of Custody

BS COOL	
(in working days)	
Laboratory Number:	
08-309	Page of .

Reviewed/Date	Received	Relinquished	Received	Relinquished	Received	Relinquished									1-55-1	Lab ID	Samples of Land	Delle Massey	Project Manager Spic N Spon	21.1090 Number:	Company: ASPECT	
			MORE THANK	* Xracs	A Jacob	Del Bar	Signature									Sample Identification	Bercak	1 + Jeremy Parter	Spen	2F		Phone: (425) 883-3881 • www.onsite-env.com
				20	Z	1									8/26/	Date Sampled	[]	S.	∑ 2 Days	S	
Reviewed/Date				*	7	Aspa	Company								8/26/19 1445	Time ed Sampled	(other)		Standard (7 Days)	Days [Same Day	(Check One)
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			S)	a	100		Date	-	+	+	-	-	_				H-Gx/					-
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			-	6			Time			1					×	Volatil	es 826	OC:				
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	-	(S	0	3	,										EDB E	PA 80	11 (Wat	ers Only)		
Chromatograms with final report	Data Package:			1			Comments/Special Instructions									(with I	ow-lev	8270D el PAHs /SIM (lo				
ograr	ckage						nts/Si									PCBs	8082A					- 6
ns wi							ecial									Organ	ochlori	ne Pes	ticides 8	081B		
th fina	Standard 7						Instr									Organ	ophos	horus	Pesticide	es 8270	D/SIM	15
al rep	Do						uction									Chlori	nated /	Acid He	rbicides	8151A		i
Ort	Level						SI									Total F	RCRA I	/letals				
- 1	/el ≡															Total I	VTCA I	Vetals				
ctronic																TCLP	Metals					
c Data	Level																		1664A			
Electronic Data Deliverables (EDDs)															*	Min	escal	Spiri	75,	NVC	TPH-	GX
as (EDDs)																0/ **						
															×	% Moi	sture					



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

September 5, 2019

Delia Massey Aspect Consulting Dexter Horton Building 710 2nd Avenue, Suit 550 Seattle, WA 98104

Re: Analytical Data for Project 060172

Laboratory Reference No. 1909-027

Dear Delia:

Enclosed are the analytical results and associated quality control data for samples submitted on September 4, 2019.

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,

David Baumeister Project Manager

Enclosures

Date of Report: September 5, 2019 Samples Submitted: September 4, 2019 Laboratory Reference: 1909-027

Project: 060172

Case Narrative

Samples were collected on September 4, 2019 and received by the laboratory on September 4, 2019. 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.

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.

Laboratory Reference: 1909-027

Project: 060172

VOLATILE ORGANICS EPA 8260D

page 1 of 2

Office. Hig/kg				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	SS-2					
Laboratory ID:	09-027-01					
Dichlorodifluoromethane	ND	0.00043	EPA 8260D	9-4-19	9-4-19	
Chloromethane	ND	0.0021	EPA 8260D	9-4-19	9-4-19	
Vinyl Chloride	ND	0.00043	EPA 8260D	9-4-19	9-4-19	
Bromomethane	ND	0.00060	EPA 8260D	9-4-19	9-4-19	
Chloroethane	ND	0.0021	EPA 8260D	9-4-19	9-4-19	
Trichlorofluoromethane	ND	0.00043	EPA 8260D	9-4-19	9-4-19	
1,1-Dichloroethene	ND	0.00043	EPA 8260D	9-4-19	9-4-19	
Acetone	ND	0.0043	EPA 8260D	9-4-19	9-4-19	
Iodomethane	ND	0.0021	EPA 8260D	9-4-19	9-4-19	
Carbon Disulfide	ND	0.00043	EPA 8260D	9-4-19	9-4-19	
Methylene Chloride	ND	0.0021	EPA 8260D	9-4-19	9-4-19	
(trans) 1,2-Dichloroethene	ND	0.00043	EPA 8260D	9-4-19	9-4-19	
Methyl t-Butyl Ether	ND	0.00043	EPA 8260D	9-4-19	9-4-19	
1,1-Dichloroethane	ND	0.00043	EPA 8260D	9-4-19	9-4-19	
Vinyl Acetate	ND	0.0021	EPA 8260D	9-4-19	9-4-19	
2,2-Dichloropropane	ND	0.00043	EPA 8260D	9-4-19	9-4-19	
(cis) 1,2-Dichloroethene	ND	0.00043	EPA 8260D	9-4-19	9-4-19	
2-Butanone	ND	0.0021	EPA 8260D	9-4-19	9-4-19	
Bromochloromethane	ND	0.00043	EPA 8260D	9-4-19	9-4-19	
Chloroform	ND	0.00043	EPA 8260D	9-4-19	9-4-19	
1,1,1-Trichloroethane	ND	0.00043	EPA 8260D	9-4-19	9-4-19	
Carbon Tetrachloride	ND	0.00043	EPA 8260D	9-4-19	9-4-19	
1,1-Dichloropropene	ND	0.00043	EPA 8260D	9-4-19	9-4-19	
Benzene	ND	0.00043	EPA 8260D	9-4-19	9-4-19	
1,2-Dichloroethane	ND	0.00043	EPA 8260D	9-4-19	9-4-19	
Trichloroethene	0.00050	0.00043	EPA 8260D	9-4-19	9-4-19	
1,2-Dichloropropane	ND	0.00043	EPA 8260D	9-4-19	9-4-19	
Dibromomethane	ND	0.00043	EPA 8260D	9-4-19	9-4-19	
Bromodichloromethane	ND	0.00043	EPA 8260D	9-4-19	9-4-19	
2-Chloroethyl Vinyl Ether	ND	0.0021	EPA 8260D	9-4-19	9-4-19	
(cis) 1,3-Dichloropropene	ND	0.00043	EPA 8260D	9-4-19	9-4-19	
Methyl Isobutyl Ketone	ND	0.0021	EPA 8260D	9-4-19	9-4-19	
Toluene	ND	0.0021	EPA 8260D	9-4-19	9-4-19	
(trans) 1,3-Dichloropropene	ND	0.00043	EPA 8260D	9-4-19	9-4-19	

Laboratory Reference: 1909-027

Project: 060172

VOLATILE ORGANICS EPA 8260D

page 2 of 2

Amalista	Doords	DOL	Mathad	Date	Date	Flores
Analyte Client ID:	Result SS-2	PQL	Method	Prepared	Analyzed	Flags
Laboratory ID:	09-027-01 ND	0.00043	EPA 8260D	9-4-19	9-4-19	
1,1,2-Trichloroethane						
Tetrachloroethene	1.1	0.031	EPA 8260D	9-5-19	9-5-19	
1,3-Dichloropropane	ND	0.00043	EPA 8260D	9-4-19	9-4-19	
2-Hexanone	ND	0.0021	EPA 8260D	9-4-19	9-4-19	
Dibromochloromethane	ND	0.00043	EPA 8260D	9-4-19	9-4-19	
1,2-Dibromoethane	ND	0.00043	EPA 8260D	9-4-19	9-4-19	
Chlorobenzene	ND	0.00043	EPA 8260D	9-4-19	9-4-19	
1,1,1,2-Tetrachloroethane	ND	0.00043	EPA 8260D	9-4-19	9-4-19	
Ethylbenzene	ND	0.00043	EPA 8260D	9-4-19	9-4-19	
m,p-Xylene	ND	0.00085	EPA 8260D	9-4-19	9-4-19	
o-Xylene	ND	0.00043	EPA 8260D	9-4-19	9-4-19	
Styrene	ND	0.00043	EPA 8260D	9-4-19	9-4-19	
Bromoform	ND	0.0021	EPA 8260D	9-4-19	9-4-19	
Isopropylbenzene	ND	0.00043	EPA 8260D	9-4-19	9-4-19	
Bromobenzene	ND	0.00043	EPA 8260D	9-4-19	9-4-19	
1,1,2,2-Tetrachloroethane	ND	0.00043	EPA 8260D	9-4-19	9-4-19	
1,2,3-Trichloropropane	ND	0.00043	EPA 8260D	9-4-19	9-4-19	
n-Propylbenzene	ND	0.00043	EPA 8260D	9-4-19	9-4-19	
2-Chlorotoluene	ND	0.00043	EPA 8260D	9-4-19	9-4-19	
4-Chlorotoluene	ND	0.00043	EPA 8260D	9-4-19	9-4-19	
1,3,5-Trimethylbenzene	ND	0.00043	EPA 8260D	9-4-19	9-4-19	
tert-Butylbenzene	ND	0.00043	EPA 8260D	9-4-19	9-4-19	
1,2,4-Trimethylbenzene	ND	0.00043	EPA 8260D	9-4-19	9-4-19	
sec-Butylbenzene	ND	0.00043	EPA 8260D	9-4-19	9-4-19	
1,3-Dichlorobenzene	ND	0.00043	EPA 8260D	9-4-19	9-4-19	
p-Isopropyltoluene	ND	0.00043	EPA 8260D	9-4-19	9-4-19	
1,4-Dichlorobenzene	ND	0.00043	EPA 8260D	9-4-19	9-4-19	
1,2-Dichlorobenzene	ND	0.00043	EPA 8260D	9-4-19	9-4-19	
n-Butylbenzene	ND	0.00043	EPA 8260D	9-4-19	9-4-19	
1,2-Dibromo-3-chloropropane		0.0021	EPA 8260D	9-4-19	9-4-19	
1,2,4-Trichlorobenzene	ND	0.00043	EPA 8260D	9-4-19	9-4-19	
Hexachlorobutadiene	ND	0.0021	EPA 8260D	9-4-19	9-4-19	
Naphthalene	ND	0.00043	EPA 8260D	9-4-19	9-4-19	
1,2,3-Trichlorobenzene	ND	0.00043	EPA 8260D	9-4-19	9-4-19	
Surrogate:	Percent Recovery	Control Limits	, , 52002	0 1 10	0 1 10	
ourrogate.	1 Glocili Necovery	70.404				

Surrogate: Percent Recovery Control Limits

Dibromofluoromethane 106 76-131

Toluene-d8 101 78-128

4-Bromofluorobenzene 92 71-130



Laboratory Reference: 1909-027

Project: 060172

VOLATILE ORGANICS EPA 8260D METHOD BLANK QUALITY CONTROL

page 1 of 2

				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Laboratory ID:	MB0904S1					
Dichlorodifluoromethane	ND	0.0010	EPA 8260D	9-4-19	9-4-19	
Chloromethane	ND	0.0050	EPA 8260D	9-4-19	9-4-19	
Vinyl Chloride	ND	0.0010	EPA 8260D	9-4-19	9-4-19	
Bromomethane	ND	0.0014	EPA 8260D	9-4-19	9-4-19	
Chloroethane	ND	0.0050	EPA 8260D	9-4-19	9-4-19	
Trichlorofluoromethane	ND	0.0010	EPA 8260D	9-4-19	9-4-19	
1,1-Dichloroethene	ND	0.0010	EPA 8260D	9-4-19	9-4-19	
Acetone	ND	0.010	EPA 8260D	9-4-19	9-4-19	
lodomethane	ND	0.0050	EPA 8260D	9-4-19	9-4-19	
Carbon Disulfide	ND	0.0010	EPA 8260D	9-4-19	9-4-19	
Methylene Chloride	ND	0.0050	EPA 8260D	9-4-19	9-4-19	
(trans) 1,2-Dichloroethene	ND	0.0010	EPA 8260D	9-4-19	9-4-19	
Methyl t-Butyl Ether	ND	0.0010	EPA 8260D	9-4-19	9-4-19	
1,1-Dichloroethane	ND	0.0010	EPA 8260D	9-4-19	9-4-19	
Vinyl Acetate	ND	0.0050	EPA 8260D	9-4-19	9-4-19	
2,2-Dichloropropane	ND	0.0010	EPA 8260D	9-4-19	9-4-19	
(cis) 1,2-Dichloroethene	ND	0.0010	EPA 8260D	9-4-19	9-4-19	
2-Butanone	ND	0.0050	EPA 8260D	9-4-19	9-4-19	
Bromochloromethane	ND	0.0010	EPA 8260D	9-4-19	9-4-19	
Chloroform	ND	0.0010	EPA 8260D	9-4-19	9-4-19	
1,1,1-Trichloroethane	ND	0.0010	EPA 8260D	9-4-19	9-4-19	
Carbon Tetrachloride	ND	0.0010	EPA 8260D	9-4-19	9-4-19	
1,1-Dichloropropene	ND	0.0010	EPA 8260D	9-4-19	9-4-19	
Benzene	ND	0.0010	EPA 8260D	9-4-19	9-4-19	
1,2-Dichloroethane	ND	0.0010	EPA 8260D	9-4-19	9-4-19	
Trichloroethene	ND	0.0010	EPA 8260D	9-4-19	9-4-19	
1,2-Dichloropropane	ND	0.0010	EPA 8260D	9-4-19	9-4-19	
Dibromomethane	ND	0.0010	EPA 8260D	9-4-19	9-4-19	
Bromodichloromethane	ND	0.0010	EPA 8260D	9-4-19	9-4-19	
2-Chloroethyl Vinyl Ether	ND	0.0050	EPA 8260D	9-4-19	9-4-19	
(cis) 1,3-Dichloropropene	ND	0.0010	EPA 8260D	9-4-19	9-4-19	
Methyl Isobutyl Ketone	ND	0.0050	EPA 8260D	9-4-19	9-4-19	
Toluene	ND	0.0050	EPA 8260D	9-4-19	9-4-19	
(trans) 1,3-Dichloropropene	ND	0.0010	EPA 8260D	9-4-19	9-4-19	

Laboratory Reference: 1909-027

Project: 060172

VOLATILE ORGANICS EPA 8260D METHOD BLANK QUALITY CONTROL

page 2 of 2

				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Laboratory ID:	MB0904S1					
1,1,2-Trichloroethane	ND	0.0010	EPA 8260D	9-4-19	9-4-19	
Tetrachloroethene	ND	0.0010	EPA 8260D	9-4-19	9-4-19	
1,3-Dichloropropane	ND	0.0010	EPA 8260D	9-4-19	9-4-19	
2-Hexanone	ND	0.0050	EPA 8260D	9-4-19	9-4-19	
Dibromochloromethane	ND	0.0010	EPA 8260D	9-4-19	9-4-19	
1,2-Dibromoethane	ND	0.0010	EPA 8260D	9-4-19	9-4-19	
Chlorobenzene	ND	0.0010	EPA 8260D	9-4-19	9-4-19	
1,1,1,2-Tetrachloroethane	ND	0.0010	EPA 8260D	9-4-19	9-4-19	
Ethylbenzene	ND	0.0010	EPA 8260D	9-4-19	9-4-19	
m,p-Xylene	ND	0.0020	EPA 8260D	9-4-19	9-4-19	
o-Xylene	ND	0.0010	EPA 8260D	9-4-19	9-4-19	
Styrene	ND	0.0010	EPA 8260D	9-4-19	9-4-19	
Bromoform	ND	0.0050	EPA 8260D	9-4-19	9-4-19	
Isopropylbenzene	ND	0.0010	EPA 8260D	9-4-19	9-4-19	
Bromobenzene	ND	0.0010	EPA 8260D	9-4-19	9-4-19	
1,1,2,2-Tetrachloroethane	ND	0.0010	EPA 8260D	9-4-19	9-4-19	
1,2,3-Trichloropropane	ND	0.0010	EPA 8260D	9-4-19	9-4-19	
n-Propylbenzene	ND	0.0010	EPA 8260D	9-4-19	9-4-19	
2-Chlorotoluene	ND	0.0010	EPA 8260D	9-4-19	9-4-19	
4-Chlorotoluene	ND	0.0010	EPA 8260D	9-4-19	9-4-19	
1,3,5-Trimethylbenzene	ND	0.0010	EPA 8260D	9-4-19	9-4-19	
tert-Butylbenzene	ND	0.0010	EPA 8260D	9-4-19	9-4-19	
1,2,4-Trimethylbenzene	ND	0.0010	EPA 8260D	9-4-19	9-4-19	
sec-Butylbenzene	ND	0.0010	EPA 8260D	9-4-19	9-4-19	
1,3-Dichlorobenzene	ND	0.0010	EPA 8260D	9-4-19	9-4-19	
p-Isopropyltoluene	ND	0.0010	EPA 8260D	9-4-19	9-4-19	
1,4-Dichlorobenzene	ND	0.0010	EPA 8260D	9-4-19	9-4-19	
1,2-Dichlorobenzene	ND	0.0010	EPA 8260D	9-4-19	9-4-19	
n-Butylbenzene	ND	0.0010	EPA 8260D	9-4-19	9-4-19	
1,2-Dibromo-3-chloropropane	ND	0.0050	EPA 8260D	9-4-19	9-4-19	
1,2,4-Trichlorobenzene	ND	0.0010	EPA 8260D	9-4-19	9-4-19	
Hexachlorobutadiene	ND	0.0050	EPA 8260D	9-4-19	9-4-19	
Naphthalene	ND	0.0010	EPA 8260D	9-4-19	9-4-19	
1,2,3-Trichlorobenzene	ND	0.0010	EPA 8260D	9-4-19	9-4-19	
Surrogate:	Percent Recovery	Control Limits				·
D'' " "	404	70.404				

Surrogate: Percent Recovery Control Limit Dibromofluoromethane 101 76-131 Toluene-d8 100 78-128 4-Bromofluorobenzene 93 71-130

Laboratory Reference: 1909-027

Project: 060172

VOLATILE ORGANICS EPA 8260D METHOD BLANK QUALITY CONTROL

page 1 of 2

				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Laboratory ID:	MB0905S1					
Dichlorodifluoromethane	ND	0.0010	EPA 8260D	9-5-19	9-5-19	
Chloromethane	ND	0.0050	EPA 8260D	9-5-19	9-5-19	
Vinyl Chloride	ND	0.0010	EPA 8260D	9-5-19	9-5-19	
Bromomethane	ND	0.0014	EPA 8260D	9-5-19	9-5-19	
Chloroethane	ND	0.0050	EPA 8260D	9-5-19	9-5-19	
Trichlorofluoromethane	ND	0.0010	EPA 8260D	9-5-19	9-5-19	
1,1-Dichloroethene	ND	0.0010	EPA 8260D	9-5-19	9-5-19	
Acetone	ND	0.010	EPA 8260D	9-5-19	9-5-19	
Iodomethane	ND	0.0050	EPA 8260D	9-5-19	9-5-19	
Carbon Disulfide	ND	0.0010	EPA 8260D	9-5-19	9-5-19	
Methylene Chloride	ND	0.0050	EPA 8260D	9-5-19	9-5-19	
(trans) 1,2-Dichloroethene	ND	0.0010	EPA 8260D	9-5-19	9-5-19	
Methyl t-Butyl Ether	ND	0.0010	EPA 8260D	9-5-19	9-5-19	
1,1-Dichloroethane	ND	0.0010	EPA 8260D	9-5-19	9-5-19	
Vinyl Acetate	ND	0.0050	EPA 8260D	9-5-19	9-5-19	
2,2-Dichloropropane	ND	0.0010	EPA 8260D	9-5-19	9-5-19	
(cis) 1,2-Dichloroethene	ND	0.0010	EPA 8260D	9-5-19	9-5-19	
2-Butanone	ND	0.0050	EPA 8260D	9-5-19	9-5-19	
Bromochloromethane	ND	0.0010	EPA 8260D	9-5-19	9-5-19	
Chloroform	ND	0.0010	EPA 8260D	9-5-19	9-5-19	
1,1,1-Trichloroethane	ND	0.0010	EPA 8260D	9-5-19	9-5-19	
Carbon Tetrachloride	ND	0.0010	EPA 8260D	9-5-19	9-5-19	
1,1-Dichloropropene	ND	0.0010	EPA 8260D	9-5-19	9-5-19	
Benzene	ND	0.0010	EPA 8260D	9-5-19	9-5-19	
1,2-Dichloroethane	ND	0.0010	EPA 8260D	9-5-19	9-5-19	
Trichloroethene	ND	0.0010	EPA 8260D	9-5-19	9-5-19	
1,2-Dichloropropane	ND	0.0010	EPA 8260D	9-5-19	9-5-19	
Dibromomethane	ND	0.0010	EPA 8260D	9-5-19	9-5-19	
Bromodichloromethane	ND	0.0010	EPA 8260D	9-5-19	9-5-19	
2-Chloroethyl Vinyl Ether	ND	0.0050	EPA 8260D	9-5-19	9-5-19	
(cis) 1,3-Dichloropropene	ND	0.0010	EPA 8260D	9-5-19	9-5-19	
Methyl Isobutyl Ketone	ND	0.0050	EPA 8260D	9-5-19	9-5-19	
Toluene	ND	0.0050	EPA 8260D	9-5-19	9-5-19	
(trans) 1,3-Dichloropropene	ND	0.0010	EPA 8260D	9-5-19	9-5-19	

Laboratory Reference: 1909-027

Project: 060172

VOLATILE ORGANICS EPA 8260D METHOD BLANK QUALITY CONTROL

page 2 of 2

				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Laboratory ID:	MB0905S1					
1,1,2-Trichloroethane	ND	0.0010	EPA 8260D	9-5-19	9-5-19	
Tetrachloroethene	ND	0.0010	EPA 8260D	9-5-19	9-5-19	
1,3-Dichloropropane	ND	0.0010	EPA 8260D	9-5-19	9-5-19	
2-Hexanone	ND	0.0050	EPA 8260D	9-5-19	9-5-19	
Dibromochloromethane	ND	0.0010	EPA 8260D	9-5-19	9-5-19	
1,2-Dibromoethane	ND	0.0010	EPA 8260D	9-5-19	9-5-19	
Chlorobenzene	ND	0.0010	EPA 8260D	9-5-19	9-5-19	
1,1,1,2-Tetrachloroethane	ND	0.0010	EPA 8260D	9-5-19	9-5-19	
Ethylbenzene	ND	0.0010	EPA 8260D	9-5-19	9-5-19	
m,p-Xylene	ND	0.0020	EPA 8260D	9-5-19	9-5-19	
o-Xylene	ND	0.0010	EPA 8260D	9-5-19	9-5-19	
Styrene	ND	0.0010	EPA 8260D	9-5-19	9-5-19	
Bromoform	ND	0.0050	EPA 8260D	9-5-19	9-5-19	
Isopropylbenzene	ND	0.0010	EPA 8260D	9-5-19	9-5-19	
Bromobenzene	ND	0.0010	EPA 8260D	9-5-19	9-5-19	
1,1,2,2-Tetrachloroethane	ND	0.0010	EPA 8260D	9-5-19	9-5-19	
1,2,3-Trichloropropane	ND	0.0010	EPA 8260D	9-5-19	9-5-19	
n-Propylbenzene	ND	0.0010	EPA 8260D	9-5-19	9-5-19	
2-Chlorotoluene	ND	0.0010	EPA 8260D	9-5-19	9-5-19	
4-Chlorotoluene	ND	0.0010	EPA 8260D	9-5-19	9-5-19	
1,3,5-Trimethylbenzene	ND	0.0010	EPA 8260D	9-5-19	9-5-19	
tert-Butylbenzene	ND	0.0010	EPA 8260D	9-5-19	9-5-19	
1,2,4-Trimethylbenzene	ND	0.0010	EPA 8260D	9-5-19	9-5-19	
sec-Butylbenzene	ND	0.0010	EPA 8260D	9-5-19	9-5-19	
1,3-Dichlorobenzene	ND	0.0010	EPA 8260D	9-5-19	9-5-19	
p-Isopropyltoluene	ND	0.0010	EPA 8260D	9-5-19	9-5-19	
1,4-Dichlorobenzene	ND	0.0010	EPA 8260D	9-5-19	9-5-19	
1,2-Dichlorobenzene	ND	0.0010	EPA 8260D	9-5-19	9-5-19	
n-Butylbenzene	ND	0.0010	EPA 8260D	9-5-19	9-5-19	
1,2-Dibromo-3-chloropropane	ND	0.0050	EPA 8260D	9-5-19	9-5-19	
1,2,4-Trichlorobenzene	ND	0.0010	EPA 8260D	9-5-19	9-5-19	
Hexachlorobutadiene	ND	0.0050	EPA 8260D	9-5-19	9-5-19	
Naphthalene	ND	0.0010	EPA 8260D	9-5-19	9-5-19	
1,2,3-Trichlorobenzene	ND	0.0010	EPA 8260D	9-5-19	9-5-19	
Surrogate:	Percent Recovery	Control Limits				
5" " "	101	70.101				

Dibromofluoromethane 101 76-131
Toluene-d8 99 78-128
4-Bromofluorobenzene 97 71-130

Laboratory Reference: 1909-027

Project: 060172

VOLATILE ORGANICS EPA 8260D SB/SBD QUALITY CONTROL

					Per	cent	Recovery		RPD	
Analyte	Res	sult	Spike	Level	Rec	overy	Limits	RPD	Limit	Flags
SPIKE BLANKS										_
Laboratory ID:	SB09	04S1								
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	0.0417	0.0404	0.0500	0.0500	83	81	57-133	3	18	_
Benzene	0.0434	0.0406	0.0500	0.0500	87	81	71-129	7	16	
Trichloroethene	0.0457	0.0437	0.0500	0.0500	91	87	71-122	4	16	
Toluene	0.0459	0.0435	0.0500	0.0500	92	87	74-125	5	15	
Chlorobenzene	0.0478	0.0454	0.0500	0.0500	96	91	72-120	5	14	
Surrogate:										
Dibromofluoromethane					97	99	76-131			
Toluene-d8					100	100	78-128			
4-Bromofluorobenzene					97	96	71-130			
Laboratory ID:	SB09	05S1								
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	0.0407	0.0392	0.0500	0.0500	81	78	57-133	4	18	
Benzene	0.0424	0.0420	0.0500	0.0500	85	84	71-129	1	16	
Trichloroethene	0.0458	0.0442	0.0500	0.0500	92	88	71-122	4	16	
Toluene	0.0451	0.0436	0.0500	0.0500	90	87	74-125	3	15	
Chlorobenzene	0.0474	0.0463	0.0500	0.0500	95	93	72-120	2	14	
Surrogate:										_
Dibromofluoromethane					98	94	76-131			
Toluene-d8					101	101	78-128			
4-Bromofluorobenzene					94	96	71-130			

Laboratory Reference: 1909-027

Project: 060172

GASOLINE RANGE ORGANICS NWTPH-Gx

Matrix: Soil

Units: mg/kg (ppm)

				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	SS-2					
Laboratory ID:	09-027-01					
Mineral Spirits	ND	3.2	EPA 8021B	9-5-19	9-5-19	
Surrogate:	Percent Recovery	Control Limits				
Fluorobenzene	83	58-129				

Laboratory Reference: 1909-027

Project: 060172

GASOLINE RANGE ORGANICS NWTPH-Gx QUALITY CONTROL

Matrix: Soil

Units: mg/kg (ppm)

				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0905S1					
Mineral Spirits	ND	5.0	EPA 8021B	9-5-19	9-5-19	
Surrogate:	Percent Recovery	Control Limits				
Fluorobenzene	78	58-129				

					Source	Perce	ent	Recovery		RPD	
Analyte	Res	sult	Spike	Level	Result	Recov	ery	Limits	RPD	Limit	Flags
DUPLICATE											
Laboratory ID:	09-02	27-01									
	ORIG	DUP									
Mineral Spirits	ND	ND	NA	NA		NA	ı	NA	NA	30	
Surrogate:											
Fluorobenzene						83	86	58-129			

Laboratory Reference: 1909-027 Project: 060172

% MOISTURE

			Date
Client ID	Lab ID	% Moisture	Analyzed
SS-2	09-027-01	13	9-4-19



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.
- 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.

7 -

ND - Not Detected at PQL

PQL - Practical Quantitation Limit

RPD - Relative Percent Difference



OnSite Environment

Chain of Custody

sting Serv	Turnaround Request Character Character

Analytical Laboratory Testing Services 14848 NE 95th Street • Redmond, WA 98052	(in working days)	Laboratory Number:	Number: U9	120-	
	(Check One)				
Company: Aspect Consulting	☐ Same Day 💢 1 Day				
Project Number: $000000000000000000000000000000000000$	2 Days 3 Days	ean-up)	es 827	
Spir N Span	Standard (7 Days)	ers		Pesticides Pesticides Pesticides Pesticides	
Delia Massey & Szreny Portes		BTEX	d Volatile 111 (Wat is 8270E vel PAHs	sphorus Acid He Metals Metals is	
Succes	(other)	PH-HCI PH-Gx/ PH-Gx	EPA 80 volatile low-lev 8270D	inated RCRA MTCA Metal (oil and	oisture
ab ID Sample Identification	Date Time Sampled Sampled Matrix	NWTF NWTF	EDB I	Organ Organ Chlor Total Total TCLF HEM	% Mc
()		П	X	×	
1111	-				
Signature	Company	Date	Time Commen	Comments/Special Instructions	
Relinquished De Market	Aspect Consul	the 9/4/19			
Received IIIIM + HMM	Maly! Alphu	2/9/14/19	2:00		
Relinquished	1 Along	9/4/10	4:80		
Received	OR	9/4/18	1600		
Relinquished					
Received			Data Package:	ckage: Standard 🗆 Level III 🗎 Level IV 🗆	
Reviewed/Date	Reviewed/Date		Chromat	Chromatograms with final report \square Electronic Data Deliverables (EDDs) \square	rables (EDDs)



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

September 12, 2019

Delia Massy Aspect Consulting Dexter Horton Building 710 2nd Avenue, Suit 550 Seattle, WA 98104

Re: Analytical Data for Project 060172

Laboratory Reference No. 1909-095

Dear Delia:

Enclosed are the analytical results and associated quality control data for samples submitted on September 11, 2019.

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,

David Baumeister Project Manager

Enclosures

Laboratory Reference: 1909-095

Project: 060172

Case Narrative

Samples were collected on September 10, 2019 and received by the laboratory on September 11, 2019. 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.

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.

Laboratory Reference: 1909-095

Project: 060172

VOLATILE ORGANICS EPA 8260D

page 1 of 2

				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	SS-3					
Laboratory ID:	09-095-01					
Dichlorodifluoromethane	ND	0.00050	EPA 8260D	9-11-19	9-11-19	
Chloromethane	ND	0.0019	EPA 8260D	9-11-19	9-11-19	
Vinyl Chloride	ND	0.00039	EPA 8260D	9-11-19	9-11-19	
Bromomethane	ND	0.00050	EPA 8260D	9-11-19	9-11-19	
Chloroethane	ND	0.0019	EPA 8260D	9-11-19	9-11-19	
Trichlorofluoromethane	ND	0.00039	EPA 8260D	9-11-19	9-11-19	
1,1-Dichloroethene	ND	0.00039	EPA 8260D	9-11-19	9-11-19	
Acetone	0.0062	0.0039	EPA 8260D	9-11-19	9-11-19	Υ
Iodomethane	ND	0.0019	EPA 8260D	9-11-19	9-11-19	
Carbon Disulfide	ND	0.00039	EPA 8260D	9-11-19	9-11-19	
Methylene Chloride	ND	0.0019	EPA 8260D	9-11-19	9-11-19	
(trans) 1,2-Dichloroethene	ND	0.00039	EPA 8260D	9-11-19	9-11-19	
Methyl t-Butyl Ether	ND	0.00039	EPA 8260D	9-11-19	9-11-19	
1,1-Dichloroethane	ND	0.00039	EPA 8260D	9-11-19	9-11-19	
Vinyl Acetate	ND	0.0019	EPA 8260D	9-11-19	9-11-19	
2,2-Dichloropropane	ND	0.00039	EPA 8260D	9-11-19	9-11-19	
(cis) 1,2-Dichloroethene	ND	0.00039	EPA 8260D	9-11-19	9-11-19	
2-Butanone	ND	0.0019	EPA 8260D	9-11-19	9-11-19	
Bromochloromethane	ND	0.00039	EPA 8260D	9-11-19	9-11-19	
Chloroform	ND	0.00039	EPA 8260D	9-11-19	9-11-19	
1,1,1-Trichloroethane	ND	0.00039	EPA 8260D	9-11-19	9-11-19	
Carbon Tetrachloride	ND	0.00039	EPA 8260D	9-11-19	9-11-19	
1,1-Dichloropropene	ND	0.00039	EPA 8260D	9-11-19	9-11-19	
Benzene	ND	0.00039	EPA 8260D	9-11-19	9-11-19	
1,2-Dichloroethane	ND	0.00039	EPA 8260D	9-11-19	9-11-19	
Trichloroethene	ND	0.00039	EPA 8260D	9-11-19	9-11-19	
1,2-Dichloropropane	ND	0.00039	EPA 8260D	9-11-19	9-11-19	
Dibromomethane	ND	0.00039	EPA 8260D	9-11-19	9-11-19	
Bromodichloromethane	ND	0.00039	EPA 8260D	9-11-19	9-11-19	
2-Chloroethyl Vinyl Ether	ND	0.0019	EPA 8260D	9-11-19	9-11-19	
(cis) 1,3-Dichloropropene	ND	0.00039	EPA 8260D	9-11-19	9-11-19	
Methyl Isobutyl Ketone	ND	0.0019	EPA 8260D	9-11-19	9-11-19	
Toluene	ND	0.0019	EPA 8260D	9-11-19	9-11-19	
(trans) 1,3-Dichloropropene	ND	0.00039	EPA 8260D	9-11-19	9-11-19	

Laboratory Reference: 1909-095

Project: 060172

VOLATILE ORGANICS EPA 8260D

page 2 of 2

				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	SS-3					
Laboratory ID:	09-095-01					
1,1,2-Trichloroethane	ND	0.00039	EPA 8260D	9-11-19	9-11-19	
Tetrachloroethene	0.0084	0.00039	EPA 8260D	9-11-19	9-11-19	
1,3-Dichloropropane	ND	0.00039	EPA 8260D	9-11-19	9-11-19	
2-Hexanone	ND	0.0019	EPA 8260D	9-11-19	9-11-19	
Dibromochloromethane	ND	0.00039	EPA 8260D	9-11-19	9-11-19	
1,2-Dibromoethane	ND	0.00039	EPA 8260D	9-11-19	9-11-19	
Chlorobenzene	ND	0.00039	EPA 8260D	9-11-19	9-11-19	
1,1,1,2-Tetrachloroethane	ND	0.00039	EPA 8260D	9-11-19	9-11-19	
Ethylbenzene	ND	0.00039	EPA 8260D	9-11-19	9-11-19	
m,p-Xylene	ND	0.00077	EPA 8260D	9-11-19	9-11-19	
o-Xylene	ND	0.00039	EPA 8260D	9-11-19	9-11-19	
Styrene	ND	0.00039	EPA 8260D	9-11-19	9-11-19	
Bromoform	ND	0.0019	EPA 8260D	9-11-19	9-11-19	
Isopropylbenzene	ND	0.00039	EPA 8260D	9-11-19	9-11-19	
Bromobenzene	ND	0.00039	EPA 8260D	9-11-19	9-11-19	
I,1,2,2-Tetrachloroethane	ND	0.00039	EPA 8260D	9-11-19	9-11-19	
1,2,3-Trichloropropane	ND	0.00039	EPA 8260D	9-11-19	9-11-19	
n-Propylbenzene	ND	0.00039	EPA 8260D	9-11-19	9-11-19	
2-Chlorotoluene	ND	0.00039	EPA 8260D	9-11-19	9-11-19	
4-Chlorotoluene	ND	0.00039	EPA 8260D	9-11-19	9-11-19	
1,3,5-Trimethylbenzene	ND	0.00039	EPA 8260D	9-11-19	9-11-19	
ert-Butylbenzene	ND	0.00039	EPA 8260D	9-11-19	9-11-19	
1,2,4-Trimethylbenzene	ND	0.00039	EPA 8260D	9-11-19	9-11-19	
sec-Butylbenzene	ND	0.00039	EPA 8260D	9-11-19	9-11-19	
1,3-Dichlorobenzene	ND	0.00039	EPA 8260D	9-11-19	9-11-19	
o-Isopropyltoluene	0.0018	0.00039	EPA 8260D	9-11-19	9-11-19	
1,4-Dichlorobenzene	ND	0.00039	EPA 8260D	9-11-19	9-11-19	
1,2-Dichlorobenzene	ND	0.00039	EPA 8260D	9-11-19	9-11-19	
n-Butylbenzene	ND	0.00039	EPA 8260D	9-11-19	9-11-19	
1,2-Dibromo-3-chloropropane	ND	0.0019	EPA 8260D	9-11-19	9-11-19	
1,2,4-Trichlorobenzene	ND	0.00039	EPA 8260D	9-11-19	9-11-19	
Hexachlorobutadiene	ND	0.0019	EPA 8260D	9-11-19	9-11-19	
Naphthalene	ND	0.00039	EPA 8260D	9-11-19	9-11-19	
1,2,3-Trichlorobenzene	ND	0.00039	EPA 8260D	9-11-19	9-11-19	
Surrogate:	Percent Recovery	Control Limits				
Dibromofluoromethane	104	76-131				
Toluene-d8	100	78-128				

4-Bromofluorobenzene 92 71-130

Laboratory Reference: 1909-095

Project: 060172

VOLATILE ORGANICS EPA 8260D METHOD BLANK QUALITY CONTROL

page 1 of 2

				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Laboratory ID:	MB0911S1					
Dichlorodifluoromethane	ND	0.0013	EPA 8260D	9-11-19	9-11-19	
Chloromethane	ND	0.0050	EPA 8260D	9-11-19	9-11-19	
Vinyl Chloride	ND	0.0010	EPA 8260D	9-11-19	9-11-19	
Bromomethane	ND	0.0013	EPA 8260D	9-11-19	9-11-19	
Chloroethane	ND	0.0050	EPA 8260D	9-11-19	9-11-19	
Trichlorofluoromethane	ND	0.0010	EPA 8260D	9-11-19	9-11-19	
1,1-Dichloroethene	ND	0.0010	EPA 8260D	9-11-19	9-11-19	
Acetone	ND	0.010	EPA 8260D	9-11-19	9-11-19	
lodomethane	ND	0.0050	EPA 8260D	9-11-19	9-11-19	
Carbon Disulfide	ND	0.0010	EPA 8260D	9-11-19	9-11-19	
Methylene Chloride	ND	0.0050	EPA 8260D	9-11-19	9-11-19	
(trans) 1,2-Dichloroethene	ND	0.0010	EPA 8260D	9-11-19	9-11-19	
Methyl t-Butyl Ether	ND	0.0010	EPA 8260D	9-11-19	9-11-19	
1,1-Dichloroethane	ND	0.0010	EPA 8260D	9-11-19	9-11-19	
Vinyl Acetate	ND	0.0050	EPA 8260D	9-11-19	9-11-19	
2,2-Dichloropropane	ND	0.0010	EPA 8260D	9-11-19	9-11-19	
(cis) 1,2-Dichloroethene	ND	0.0010	EPA 8260D	9-11-19	9-11-19	
2-Butanone	ND	0.0050	EPA 8260D	9-11-19	9-11-19	
Bromochloromethane	ND	0.0010	EPA 8260D	9-11-19	9-11-19	
Chloroform	ND	0.0010	EPA 8260D	9-11-19	9-11-19	
1,1,1-Trichloroethane	ND	0.0010	EPA 8260D	9-11-19	9-11-19	
Carbon Tetrachloride	ND	0.0010	EPA 8260D	9-11-19	9-11-19	
1,1-Dichloropropene	ND	0.0010	EPA 8260D	9-11-19	9-11-19	
Benzene	ND	0.0010	EPA 8260D	9-11-19	9-11-19	
1,2-Dichloroethane	ND	0.0010	EPA 8260D	9-11-19	9-11-19	
Trichloroethene	ND	0.0010	EPA 8260D	9-11-19	9-11-19	
1,2-Dichloropropane	ND	0.0010	EPA 8260D	9-11-19	9-11-19	
Dibromomethane	ND	0.0010	EPA 8260D	9-11-19	9-11-19	
Bromodichloromethane	ND	0.0010	EPA 8260D	9-11-19	9-11-19	
2-Chloroethyl Vinyl Ether	ND	0.0050	EPA 8260D	9-11-19	9-11-19	
(cis) 1,3-Dichloropropene	ND	0.0010	EPA 8260D	9-11-19	9-11-19	
Methyl Isobutyl Ketone	ND	0.0050	EPA 8260D	9-11-19	9-11-19	
Toluene	ND	0.0050	EPA 8260D	9-11-19	9-11-19	
(trans) 1,3-Dichloropropene	ND	0.0010	EPA 8260D	9-11-19	9-11-19	

Laboratory Reference: 1909-095

Project: 060172

VOLATILE ORGANICS EPA 8260D METHOD BLANK QUALITY CONTROL

page 2 of 2

				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
l -h ID.	MD004404					
Laboratory ID:	MB0911S1	0.0010	EPA 8260D	9-11-19	9-11-19	
1,1,2-Trichloroethane	ND ND			-		
Tetrachloroethene		0.0010	EPA 8260D	9-11-19	9-11-19	
1,3-Dichloropropane	ND	0.0010	EPA 8260D	9-11-19	9-11-19	
2-Hexanone	ND	0.0050	EPA 8260D	9-11-19	9-11-19	
Dibromochloromethane	ND	0.0010	EPA 8260D	9-11-19	9-11-19	
1,2-Dibromoethane	ND	0.0010	EPA 8260D	9-11-19	9-11-19	
Chlorobenzene	ND	0.0010	EPA 8260D	9-11-19	9-11-19	
1,1,1,2-Tetrachloroethane	ND	0.0010	EPA 8260D	9-11-19	9-11-19	
Ethylbenzene	ND	0.0010	EPA 8260D	9-11-19	9-11-19	
m,p-Xylene	ND	0.0020	EPA 8260D	9-11-19	9-11-19	
o-Xylene	ND	0.0010	EPA 8260D	9-11-19	9-11-19	
Styrene	ND	0.0010	EPA 8260D	9-11-19	9-11-19	
Bromoform	ND	0.0050	EPA 8260D	9-11-19	9-11-19	
Isopropylbenzene	ND	0.0010	EPA 8260D	9-11-19	9-11-19	
Bromobenzene	ND	0.0010	EPA 8260D	9-11-19	9-11-19	
1,1,2,2-Tetrachloroethane	ND	0.0010	EPA 8260D	9-11-19	9-11-19	
1,2,3-Trichloropropane	ND	0.0010	EPA 8260D	9-11-19	9-11-19	
n-Propylbenzene	ND	0.0010	EPA 8260D	9-11-19	9-11-19	
2-Chlorotoluene	ND	0.0010	EPA 8260D	9-11-19	9-11-19	
4-Chlorotoluene	ND	0.0010	EPA 8260D	9-11-19	9-11-19	
1,3,5-Trimethylbenzene	ND	0.0010	EPA 8260D	9-11-19	9-11-19	
tert-Butylbenzene	ND	0.0010	EPA 8260D	9-11-19	9-11-19	
1,2,4-Trimethylbenzene	ND	0.0010	EPA 8260D	9-11-19	9-11-19	
sec-Butylbenzene	ND	0.0010	EPA 8260D	9-11-19	9-11-19	
1,3-Dichlorobenzene	ND	0.0010	EPA 8260D	9-11-19	9-11-19	
p-Isopropyltoluene	ND	0.0010	EPA 8260D	9-11-19	9-11-19	
1,4-Dichlorobenzene	ND	0.0010	EPA 8260D	9-11-19	9-11-19	
1,2-Dichlorobenzene	ND	0.0010	EPA 8260D	9-11-19	9-11-19	
n-Butylbenzene	ND	0.0010	EPA 8260D	9-11-19	9-11-19	
1,2-Dibromo-3-chloropropane	ND	0.0050	EPA 8260D	9-11-19	9-11-19	
1,2,4-Trichlorobenzene	ND	0.0010	EPA 8260D	9-11-19	9-11-19	
Hexachlorobutadiene	ND	0.0050	EPA 8260D	9-11-19	9-11-19	
Naphthalene	ND	0.0010	EPA 8260D	9-11-19	9-11-19	
1,2,3-Trichlorobenzene	ND	0.0010	EPA 8260D	9-11-19	9-11-19	
Surrogate:	Percent Recovery	Control Limits	2	- · · · · ·		
Dibromofluoromethane	102	76-131				
2.5. omondor omodiano	102	10 101				

4-Bromofluorobenzene

Toluene-d8

78-128

71-130

99

96

Laboratory Reference: 1909-095

Project: 060172

VOLATILE ORGANICS EPA 8260D SB/SBD QUALITY CONTROL

					Per	cent	Recovery		RPD	
Analyte	Res	sult	Spike	Level	Rece	overy	Limits	RPD	Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB09	11S1								
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	0.0544	0.0526	0.0500	0.0500	109	105	57-133	3	18	
Benzene	0.0487	0.0465	0.0500	0.0500	97	93	71-129	5	16	
Trichloroethene	0.0526	0.0497	0.0500	0.0500	105	99	71-122	6	16	
Toluene	0.0497	0.0476	0.0500	0.0500	99	95	74-125	4	15	
Chlorobenzene	0.0518	0.0497	0.0500	0.0500	104	99	72-120	4	14	
Surrogate:										
Dibromofluoromethane					102	102	76-131			
Toluene-d8					99	99	78-128			
4-Bromofluorobenzene					100	97	71-130			

Laboratory Reference: 1909-095

Project: 060172

GASOLINE RANGE ORGANICS NWTPH-Gx

Matrix: Soil

Units: mg/kg (ppm)

				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	SS-3					_
Laboratory ID:	09-095-01					
Mineral Spirits	ND	2.9	NWTPH-Gx	9-11-19	9-11-19	
Surrogate:	Percent Recovery	Control Limits				
Fluorobenzene	79	58-129				

Laboratory Reference: 1909-095

Project: 060172

GASOLINE RANGE ORGANICS NWTPH-Gx QUALITY CONTROL

Matrix: Soil

Units: mg/kg (ppm)

			Date	Date	
Result	PQL	Method	Prepared	Analyzed	Flags
MB0911S1					
ND	5.0	NWTPH-Gx	9-11-19	9-11-19	
Percent Recovery	Control Limits				
72	58-129				
	MB0911S1 ND Percent Recovery	MB0911S1 ND 5.0 Percent Recovery Control Limits	MB0911S1 5.0 NWTPH-Gx Percent Recovery Control Limits	MB0911S1 5.0 NWTPH-Gx 9-11-19 Percent Recovery Control Limits	Result PQL Method Prepared Analyzed MB0911S1 ND 5.0 NWTPH-Gx 9-11-19 9-11-19 Percent Recovery Control Limits

				Source	Percent	Recovery		RPD	
Res	sult	Spike	Level	Result	Recovery	Limits	RPD	Limit	Flags
09-09	95-01								
ORIG	DUP								
ND	ND	NA	NA		NA	NA	NA	30	
	•							•	
	09-09 ORIG		09-095-01 ORIG DUP						

Fluorobenzene 79 79 58-129

Laboratory Reference: 1909-095 Project: 060172

% MOISTURE

			Date
Client ID	Lab ID	% Moisture	Analyzed
SS-3	09-095-01	12	9-11-19



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.
- 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.

7 -

ND - Not Detected at PQL

PQL - Practical Quantitation Limit

RPD - Relative Percent Difference





Chain of Custody

Page ___

Project Number: Colonte Colonte
Standard (7 Days) (TPH analysis 5 Days) Date Time Sampled Sampled Matrix
t Manager: 'a Massey & Setemy Perkel ed by: Date Time Sample Identification The Sample Sampled Matrix
Panial Babane (other) Canial Babane (other) Date Time Sample Identification Sampled Sampled Matrix
Sample Identification Sampled Sampled Matrix

55-3

9/10/2019 1515

50: Matrix

S

×

Received

Relinquished

Received

Relinquished

Signature

Company

Aspect Consulting

9/11/19 0840

Time

Comments/Special Instructions

0480 61-11-6

1002

Speedy

Relinquished

Received

Reviewed/Date

Reviewed/Date

Chromatograms with final report

Electronic Data Deliverables (EDDs)

Data Package: Standard

Level III

Level IV



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

September 13, 2019

Delia Massey Aspect Consulting Dexter Horton Building 710 2nd Avenue, Suit 550 Seattle, WA 98104

Re: Analytical Data for Project 060172

Laboratory Reference No. 1909-114

Dear Delia:

Enclosed are the analytical results and associated quality control data for samples submitted on September 12, 2019.

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,

David Baumeister Project Manager

Enclosures

Laboratory Reference: 1909-114

Project: 060172

Case Narrative

Samples were collected on September 11, 2019 and received by the laboratory on September 12, 2019. 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.

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.

Laboratory Reference: 1909-114

Project: 060172

VOLATILE ORGANICS EPA 8260D

page 1 of 2

Office. Hig/kg				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	SS-4					
Laboratory ID:	09-114-01					
Dichlorodifluoromethane	ND	0.00055	EPA 8260D	9-12-19	9-12-19	
Chloromethane	ND	0.0027	EPA 8260D	9-12-19	9-12-19	
Vinyl Chloride	ND	0.00055	EPA 8260D	9-12-19	9-12-19	
Bromomethane	ND	0.00055	EPA 8260D	9-12-19	9-12-19	
Chloroethane	ND	0.0027	EPA 8260D	9-12-19	9-12-19	
Trichlorofluoromethane	ND	0.00055	EPA 8260D	9-12-19	9-12-19	
1,1-Dichloroethene	ND	0.00055	EPA 8260D	9-12-19	9-12-19	
Acetone	ND	0.0055	EPA 8260D	9-12-19	9-12-19	
Iodomethane	ND	0.0027	EPA 8260D	9-12-19	9-12-19	
Carbon Disulfide	ND	0.00055	EPA 8260D	9-12-19	9-12-19	
Methylene Chloride	ND	0.0027	EPA 8260D	9-12-19	9-12-19	
(trans) 1,2-Dichloroethene	ND	0.00055	EPA 8260D	9-12-19	9-12-19	
Methyl t-Butyl Ether	ND	0.00055	EPA 8260D	9-12-19	9-12-19	
1,1-Dichloroethane	ND	0.00055	EPA 8260D	9-12-19	9-12-19	
Vinyl Acetate	ND	0.0027	EPA 8260D	9-12-19	9-12-19	
2,2-Dichloropropane	ND	0.00055	EPA 8260D	9-12-19	9-12-19	
(cis) 1,2-Dichloroethene	ND	0.00055	EPA 8260D	9-12-19	9-12-19	
2-Butanone	ND	0.0027	EPA 8260D	9-12-19	9-12-19	
Bromochloromethane	ND	0.00055	EPA 8260D	9-12-19	9-12-19	
Chloroform	ND	0.00055	EPA 8260D	9-12-19	9-12-19	
1,1,1-Trichloroethane	ND	0.00055	EPA 8260D	9-12-19	9-12-19	
Carbon Tetrachloride	ND	0.00055	EPA 8260D	9-12-19	9-12-19	
1,1-Dichloropropene	ND	0.00055	EPA 8260D	9-12-19	9-12-19	
Benzene	ND	0.00055	EPA 8260D	9-12-19	9-12-19	
1,2-Dichloroethane	ND	0.00055	EPA 8260D	9-12-19	9-12-19	
Trichloroethene	ND	0.00055	EPA 8260D	9-12-19	9-12-19	
1,2-Dichloropropane	ND	0.00055	EPA 8260D	9-12-19	9-12-19	
Dibromomethane	ND	0.00055	EPA 8260D	9-12-19	9-12-19	
Bromodichloromethane	ND	0.00055	EPA 8260D	9-12-19	9-12-19	
2-Chloroethyl Vinyl Ether	ND	0.0027	EPA 8260D	9-12-19	9-12-19	
(cis) 1,3-Dichloropropene	ND	0.00055	EPA 8260D	9-12-19	9-12-19	
Methyl Isobutyl Ketone	ND	0.0027	EPA 8260D	9-12-19	9-12-19	
Toluene	ND	0.0027	EPA 8260D	9-12-19	9-12-19	
(trans) 1,3-Dichloropropene	ND	0.00055	EPA 8260D	9-12-19	9-12-19	

Laboratory Reference: 1909-114

Project: 060172

VOLATILE ORGANICS EPA 8260D

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				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	SS-4					
Laboratory ID:	09-114-01					
1,1,2-Trichloroethane	ND	0.00055	EPA 8260D	9-12-19	9-12-19	
Tetrachloroethene	0.010	0.00055	EPA 8260D	9-12-19	9-12-19	
1,3-Dichloropropane	ND	0.00055	EPA 8260D	9-12-19	9-12-19	
2-Hexanone	ND	0.0027	EPA 8260D	9-12-19	9-12-19	
Dibromochloromethane	ND	0.00055	EPA 8260D	9-12-19	9-12-19	
1,2-Dibromoethane	ND	0.00055	EPA 8260D	9-12-19	9-12-19	
Chlorobenzene	ND	0.00055	EPA 8260D	9-12-19	9-12-19	
1,1,1,2-Tetrachloroethane	ND	0.00055	EPA 8260D	9-12-19	9-12-19	
Ethylbenzene	ND	0.00055	EPA 8260D	9-12-19	9-12-19	
m,p-Xylene	ND	0.0011	EPA 8260D	9-12-19	9-12-19	
o-Xylene	ND	0.00055	EPA 8260D	9-12-19	9-12-19	
Styrene	ND	0.00055	EPA 8260D	9-12-19	9-12-19	
Bromoform	ND	0.0027	EPA 8260D	9-12-19	9-12-19	
Isopropylbenzene	ND	0.00055	EPA 8260D	9-12-19	9-12-19	
Bromobenzene	ND	0.00055	EPA 8260D	9-12-19	9-12-19	
1,1,2,2-Tetrachloroethane	ND	0.00055	EPA 8260D	9-12-19	9-12-19	
1,2,3-Trichloropropane	ND	0.00055	EPA 8260D	9-12-19	9-12-19	
n-Propylbenzene	ND	0.00055	EPA 8260D	9-12-19	9-12-19	
2-Chlorotoluene	ND	0.00055	EPA 8260D	9-12-19	9-12-19	
4-Chlorotoluene	ND	0.00055	EPA 8260D	9-12-19	9-12-19	
1,3,5-Trimethylbenzene	ND	0.00055	EPA 8260D	9-12-19	9-12-19	
tert-Butylbenzene	ND	0.00055	EPA 8260D	9-12-19	9-12-19	
1,2,4-Trimethylbenzene	ND	0.00055	EPA 8260D	9-12-19	9-12-19	
sec-Butylbenzene	ND	0.00055	EPA 8260D	9-12-19	9-12-19	
1,3-Dichlorobenzene	ND	0.00055	EPA 8260D	9-12-19	9-12-19	
p-Isopropyltoluene	ND	0.00055	EPA 8260D	9-12-19	9-12-19	
1,4-Dichlorobenzene	ND	0.00055	EPA 8260D	9-12-19	9-12-19	
1,2-Dichlorobenzene	ND	0.00055	EPA 8260D	9-12-19	9-12-19	
n-Butylbenzene	ND	0.00055	EPA 8260D	9-12-19	9-12-19	
1,2-Dibromo-3-chloropropane	ND	0.0027	EPA 8260D	9-12-19	9-12-19	
1,2,4-Trichlorobenzene	ND	0.00055	EPA 8260D	9-12-19	9-12-19	
Hexachlorobutadiene	ND	0.0027	EPA 8260D	9-12-19	9-12-19	
Naphthalene	ND	0.00055	EPA 8260D	9-12-19	9-12-19	
1,2,3-Trichlorobenzene	ND	0.00055	EPA 8260D	9-12-19	9-12-19	
Surrogate:	Percent Recovery	Control Limits				
Dibromofluoromethane	105	76-131				

Dibromofluoromethane 105 76-131
Toluene-d8 98 78-128
4-Bromofluorobenzene 99 71-130



Laboratory Reference: 1909-114

Project: 060172

VOLATILE ORGANICS EPA 8260D

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Office. Hig/kg				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	SS-5					
Laboratory ID:	09-114-02					
Dichlorodifluoromethane	ND	0.00051	EPA 8260D	9-12-19	9-12-19	
Chloromethane	ND	0.0026	EPA 8260D	9-12-19	9-12-19	
Vinyl Chloride	ND	0.00051	EPA 8260D	9-12-19	9-12-19	
Bromomethane	ND	0.00051	EPA 8260D	9-12-19	9-12-19	
Chloroethane	ND	0.0026	EPA 8260D	9-12-19	9-12-19	
Trichlorofluoromethane	ND	0.00051	EPA 8260D	9-12-19	9-12-19	
1,1-Dichloroethene	ND	0.00051	EPA 8260D	9-12-19	9-12-19	
Acetone	ND	0.0051	EPA 8260D	9-12-19	9-12-19	
Iodomethane	ND	0.0026	EPA 8260D	9-12-19	9-12-19	
Carbon Disulfide	ND	0.00051	EPA 8260D	9-12-19	9-12-19	
Methylene Chloride	ND	0.0026	EPA 8260D	9-12-19	9-12-19	
(trans) 1,2-Dichloroethene	ND	0.00051	EPA 8260D	9-12-19	9-12-19	
Methyl t-Butyl Ether	ND	0.00051	EPA 8260D	9-12-19	9-12-19	
1,1-Dichloroethane	ND	0.00051	EPA 8260D	9-12-19	9-12-19	
Vinyl Acetate	ND	0.0026	EPA 8260D	9-12-19	9-12-19	
2,2-Dichloropropane	ND	0.00051	EPA 8260D	9-12-19	9-12-19	
(cis) 1,2-Dichloroethene	ND	0.00051	EPA 8260D	9-12-19	9-12-19	
2-Butanone	ND	0.0026	EPA 8260D	9-12-19	9-12-19	
Bromochloromethane	ND	0.00051	EPA 8260D	9-12-19	9-12-19	
Chloroform	ND	0.00051	EPA 8260D	9-12-19	9-12-19	
1,1,1-Trichloroethane	ND	0.00051	EPA 8260D	9-12-19	9-12-19	
Carbon Tetrachloride	ND	0.00051	EPA 8260D	9-12-19	9-12-19	
1,1-Dichloropropene	ND	0.00051	EPA 8260D	9-12-19	9-12-19	
Benzene	ND	0.00051	EPA 8260D	9-12-19	9-12-19	
1,2-Dichloroethane	ND	0.00051	EPA 8260D	9-12-19	9-12-19	
Trichloroethene	ND	0.00051	EPA 8260D	9-12-19	9-12-19	
1,2-Dichloropropane	ND	0.00051	EPA 8260D	9-12-19	9-12-19	
Dibromomethane	ND	0.00051	EPA 8260D	9-12-19	9-12-19	
Bromodichloromethane	ND	0.00051	EPA 8260D	9-12-19	9-12-19	
2-Chloroethyl Vinyl Ether	ND	0.0026	EPA 8260D	9-12-19	9-12-19	
(cis) 1,3-Dichloropropene	ND	0.00051	EPA 8260D	9-12-19	9-12-19	
Methyl Isobutyl Ketone	ND	0.0026	EPA 8260D	9-12-19	9-12-19	
Toluene	ND	0.0026	EPA 8260D	9-12-19	9-12-19	
(trans) 1,3-Dichloropropene	ND	0.00051	EPA 8260D	9-12-19	9-12-19	

Laboratory Reference: 1909-114

Project: 060172

VOLATILE ORGANICS EPA 8260D

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				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	SS-5					
Laboratory ID:	09-114-02					
1,1,2-Trichloroethane	ND	0.00051	EPA 8260D	9-12-19	9-12-19	
Tetrachloroethene	0.023	0.00051	EPA 8260D	9-12-19	9-12-19	
1,3-Dichloropropane	ND	0.00051	EPA 8260D	9-12-19	9-12-19	
2-Hexanone	ND	0.0026	EPA 8260D	9-12-19	9-12-19	
Dibromochloromethane	ND	0.00051	EPA 8260D	9-12-19	9-12-19	
1,2-Dibromoethane	ND	0.00051	EPA 8260D	9-12-19	9-12-19	
Chlorobenzene	ND	0.00051	EPA 8260D	9-12-19	9-12-19	
1,1,1,2-Tetrachloroethane	ND	0.00051	EPA 8260D	9-12-19	9-12-19	
Ethylbenzene	ND	0.00051	EPA 8260D	9-12-19	9-12-19	
m,p-Xylene	ND	0.0010	EPA 8260D	9-12-19	9-12-19	
o-Xylene	ND	0.00051	EPA 8260D	9-12-19	9-12-19	
Styrene	ND	0.00051	EPA 8260D	9-12-19	9-12-19	
Bromoform	ND	0.0026	EPA 8260D	9-12-19	9-12-19	
Isopropylbenzene	ND	0.00051	EPA 8260D	9-12-19	9-12-19	
Bromobenzene	ND	0.00051	EPA 8260D	9-12-19	9-12-19	
1,1,2,2-Tetrachloroethane	ND	0.00051	EPA 8260D	9-12-19	9-12-19	
1,2,3-Trichloropropane	ND	0.00051	EPA 8260D	9-12-19	9-12-19	
n-Propylbenzene	ND	0.00051	EPA 8260D	9-12-19	9-12-19	
2-Chlorotoluene	ND	0.00051	EPA 8260D	9-12-19	9-12-19	
4-Chlorotoluene	ND	0.00051	EPA 8260D	9-12-19	9-12-19	
1,3,5-Trimethylbenzene	ND	0.00051	EPA 8260D	9-12-19	9-12-19	
tert-Butylbenzene	ND	0.00051	EPA 8260D	9-12-19	9-12-19	
1,2,4-Trimethylbenzene	ND	0.00051	EPA 8260D	9-12-19	9-12-19	
sec-Butylbenzene	ND	0.00051	EPA 8260D	9-12-19	9-12-19	
1,3-Dichlorobenzene	ND	0.00051	EPA 8260D	9-12-19	9-12-19	
p-Isopropyltoluene	ND	0.00051	EPA 8260D	9-12-19	9-12-19	
1,4-Dichlorobenzene	ND	0.00051	EPA 8260D	9-12-19	9-12-19	
1,2-Dichlorobenzene	ND	0.00051	EPA 8260D	9-12-19	9-12-19	
n-Butylbenzene	ND	0.00051	EPA 8260D	9-12-19	9-12-19	
1,2-Dibromo-3-chloropropane	ND	0.0026	EPA 8260D	9-12-19	9-12-19	
1,2,4-Trichlorobenzene	ND	0.00051	EPA 8260D	9-12-19	9-12-19	
Hexachlorobutadiene	ND	0.0026	EPA 8260D	9-12-19	9-12-19	
Naphthalene	ND	0.00051	EPA 8260D	9-12-19	9-12-19	
1,2,3-Trichlorobenzene	ND	0.00051	EPA 8260D	9-12-19	9-12-19	
Surrogate:	Percent Recovery	Control Limits				
Dibromofluoromethane	102	76-131				

Toluene-d8

4-Bromofluorobenzene

78-128

71-130

99

95

Laboratory Reference: 1909-114

Project: 060172

VOLATILE ORGANICS EPA 8260D

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				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	SS-6					
Laboratory ID:	09-114-03					
Dichlorodifluoromethane	ND	0.00057	EPA 8260D	9-12-19	9-12-19	
Chloromethane	ND	0.0029	EPA 8260D	9-12-19	9-12-19	
Vinyl Chloride	ND	0.00057	EPA 8260D	9-12-19	9-12-19	
Bromomethane	ND	0.00057	EPA 8260D	9-12-19	9-12-19	
Chloroethane	ND	0.0029	EPA 8260D	9-12-19	9-12-19	
Trichlorofluoromethane	ND	0.00057	EPA 8260D	9-12-19	9-12-19	
1,1-Dichloroethene	ND	0.00057	EPA 8260D	9-12-19	9-12-19	
Acetone	ND	0.0057	EPA 8260D	9-12-19	9-12-19	
lodomethane	ND	0.0029	EPA 8260D	9-12-19	9-12-19	
Carbon Disulfide	ND	0.00057	EPA 8260D	9-12-19	9-12-19	
Methylene Chloride	ND	0.0029	EPA 8260D	9-12-19	9-12-19	
(trans) 1,2-Dichloroethene	ND	0.00057	EPA 8260D	9-12-19	9-12-19	
Methyl t-Butyl Ether	ND	0.00057	EPA 8260D	9-12-19	9-12-19	
1,1-Dichloroethane	ND	0.00057	EPA 8260D	9-12-19	9-12-19	
Vinyl Acetate	ND	0.0029	EPA 8260D	9-12-19	9-12-19	
2,2-Dichloropropane	ND	0.00057	EPA 8260D	9-12-19	9-12-19	
(cis) 1,2-Dichloroethene	ND	0.00057	EPA 8260D	9-12-19	9-12-19	
2-Butanone	ND	0.0029	EPA 8260D	9-12-19	9-12-19	
Bromochloromethane	ND	0.00057	EPA 8260D	9-12-19	9-12-19	
Chloroform	ND	0.00057	EPA 8260D	9-12-19	9-12-19	
1,1,1-Trichloroethane	ND	0.00057	EPA 8260D	9-12-19	9-12-19	
Carbon Tetrachloride	ND	0.00057	EPA 8260D	9-12-19	9-12-19	
1,1-Dichloropropene	ND	0.00057	EPA 8260D	9-12-19	9-12-19	
Benzene	ND	0.00057	EPA 8260D	9-12-19	9-12-19	
1,2-Dichloroethane	ND	0.00057	EPA 8260D	9-12-19	9-12-19	
Trichloroethene	ND	0.00057	EPA 8260D	9-12-19	9-12-19	
1,2-Dichloropropane	ND	0.00057	EPA 8260D	9-12-19	9-12-19	
Dibromomethane	ND	0.00057	EPA 8260D	9-12-19	9-12-19	
Bromodichloromethane	ND	0.00057	EPA 8260D	9-12-19	9-12-19	
2-Chloroethyl Vinyl Ether	ND	0.0029	EPA 8260D	9-12-19	9-12-19	
(cis) 1,3-Dichloropropene	ND	0.00057	EPA 8260D	9-12-19	9-12-19	
Methyl Isobutyl Ketone	ND	0.0029	EPA 8260D	9-12-19	9-12-19	
Toluene	ND	0.0029	EPA 8260D	9-12-19	9-12-19	
(trans) 1,3-Dichloropropene	ND	0.00057	EPA 8260D	9-12-19	9-12-19	

Laboratory Reference: 1909-114

Project: 060172

VOLATILE ORGANICS EPA 8260D

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				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	SS-6					
Laboratory ID:	09-114-03					
1,1,2-Trichloroethane	ND	0.00057	EPA 8260D	9-12-19	9-12-19	
Tetrachloroethene	0.042	0.00057	EPA 8260D	9-12-19	9-12-19	
1,3-Dichloropropane	ND	0.00057	EPA 8260D	9-12-19	9-12-19	
2-Hexanone	ND	0.0029	EPA 8260D	9-12-19	9-12-19	
Dibromochloromethane	ND	0.00057	EPA 8260D	9-12-19	9-12-19	
1,2-Dibromoethane	ND	0.00057	EPA 8260D	9-12-19	9-12-19	
Chlorobenzene	ND	0.00057	EPA 8260D	9-12-19	9-12-19	
1,1,1,2-Tetrachloroethane	ND	0.00057	EPA 8260D	9-12-19	9-12-19	
Ethylbenzene	ND	0.00057	EPA 8260D	9-12-19	9-12-19	
m,p-Xylene	ND	0.0011	EPA 8260D	9-12-19	9-12-19	
o-Xylene	ND	0.00057	EPA 8260D	9-12-19	9-12-19	
Styrene	ND	0.00057	EPA 8260D	9-12-19	9-12-19	
Bromoform	ND	0.0029	EPA 8260D	9-12-19	9-12-19	
Isopropylbenzene	ND	0.00057	EPA 8260D	9-12-19	9-12-19	
Bromobenzene	ND	0.00057	EPA 8260D	9-12-19	9-12-19	
1,1,2,2-Tetrachloroethane	ND	0.00057	EPA 8260D	9-12-19	9-12-19	
1,2,3-Trichloropropane	ND	0.00057	EPA 8260D	9-12-19	9-12-19	
n-Propylbenzene	ND	0.00057	EPA 8260D	9-12-19	9-12-19	
2-Chlorotoluene	ND	0.00057	EPA 8260D	9-12-19	9-12-19	
4-Chlorotoluene	ND	0.00057	EPA 8260D	9-12-19	9-12-19	
1,3,5-Trimethylbenzene	ND	0.00057	EPA 8260D	9-12-19	9-12-19	
tert-Butylbenzene	ND	0.00057	EPA 8260D	9-12-19	9-12-19	
1,2,4-Trimethylbenzene	ND	0.00057	EPA 8260D	9-12-19	9-12-19	
sec-Butylbenzene	ND	0.00057	EPA 8260D	9-12-19	9-12-19	
1,3-Dichlorobenzene	ND	0.00057	EPA 8260D	9-12-19	9-12-19	
p-Isopropyltoluene	ND	0.00057	EPA 8260D	9-12-19	9-12-19	
1,4-Dichlorobenzene	ND	0.00057	EPA 8260D	9-12-19	9-12-19	
1,2-Dichlorobenzene	ND	0.00057	EPA 8260D	9-12-19	9-12-19	
n-Butylbenzene	ND	0.00057	EPA 8260D	9-12-19	9-12-19	
1,2-Dibromo-3-chloropropane	ND	0.0029	EPA 8260D	9-12-19	9-12-19	
1,2,4-Trichlorobenzene	ND	0.00057	EPA 8260D	9-12-19	9-12-19	
Hexachlorobutadiene	ND	0.0029	EPA 8260D	9-12-19	9-12-19	
Naphthalene	ND	0.00057	EPA 8260D	9-12-19	9-12-19	
1,2,3-Trichlorobenzene	ND	0.00057	EPA 8260D	9-12-19	9-12-19	
Surrogate:	Percent Recovery	Control Limits	·	-	-	
Dibromofluoromethane	105	76-131				

Toluene-d8

4-Bromofluorobenzene

78-128

71-130

100

98

Laboratory Reference: 1909-114

Project: 060172

VOLATILE ORGANICS EPA 8260D METHOD BLANK QUALITY CONTROL

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				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Laboratory ID:	MB0912S1					
Dichlorodifluoromethane	ND	0.0010	EPA 8260D	9-12-19	9-12-19	
Chloromethane	ND	0.0050	EPA 8260D	9-12-19	9-12-19	
Vinyl Chloride	ND	0.0010	EPA 8260D	9-12-19	9-12-19	
Bromomethane	ND	0.0010	EPA 8260D	9-12-19	9-12-19	
Chloroethane	ND	0.0050	EPA 8260D	9-12-19	9-12-19	
Trichlorofluoromethane	ND	0.0010	EPA 8260D	9-12-19	9-12-19	
1,1-Dichloroethene	ND	0.0010	EPA 8260D	9-12-19	9-12-19	
Acetone	ND	0.010	EPA 8260D	9-12-19	9-12-19	
Iodomethane	ND	0.0050	EPA 8260D	9-12-19	9-12-19	
Carbon Disulfide	ND	0.0010	EPA 8260D	9-12-19	9-12-19	
Methylene Chloride	ND	0.0050	EPA 8260D	9-12-19	9-12-19	
(trans) 1,2-Dichloroethene	ND	0.0010	EPA 8260D	9-12-19	9-12-19	
Methyl t-Butyl Ether	ND	0.0010	EPA 8260D	9-12-19	9-12-19	
1,1-Dichloroethane	ND	0.0010	EPA 8260D	9-12-19	9-12-19	
Vinyl Acetate	ND	0.0050	EPA 8260D	9-12-19	9-12-19	
2,2-Dichloropropane	ND	0.0010	EPA 8260D	9-12-19	9-12-19	
(cis) 1,2-Dichloroethene	ND	0.0010	EPA 8260D	9-12-19	9-12-19	
2-Butanone	ND	0.0050	EPA 8260D	9-12-19	9-12-19	
Bromochloromethane	ND	0.0010	EPA 8260D	9-12-19	9-12-19	
Chloroform	ND	0.0010	EPA 8260D	9-12-19	9-12-19	
1,1,1-Trichloroethane	ND	0.0010	EPA 8260D	9-12-19	9-12-19	
Carbon Tetrachloride	ND	0.0010	EPA 8260D	9-12-19	9-12-19	
1,1-Dichloropropene	ND	0.0010	EPA 8260D	9-12-19	9-12-19	
Benzene	ND	0.0010	EPA 8260D	9-12-19	9-12-19	
1,2-Dichloroethane	ND	0.0010	EPA 8260D	9-12-19	9-12-19	
Trichloroethene	ND	0.0010	EPA 8260D	9-12-19	9-12-19	
1,2-Dichloropropane	ND	0.0010	EPA 8260D	9-12-19	9-12-19	
Dibromomethane	ND	0.0010	EPA 8260D	9-12-19	9-12-19	
Bromodichloromethane	ND	0.0010	EPA 8260D	9-12-19	9-12-19	
2-Chloroethyl Vinyl Ether	ND	0.0050	EPA 8260D	9-12-19	9-12-19	
(cis) 1,3-Dichloropropene	ND	0.0010	EPA 8260D	9-12-19	9-12-19	
Methyl Isobutyl Ketone	ND	0.0050	EPA 8260D	9-12-19	9-12-19	
Toluene	ND	0.0050	EPA 8260D	9-12-19	9-12-19	
(trans) 1,3-Dichloropropene	ND	0.0010	EPA 8260D	9-12-19	9-12-19	

Laboratory Reference: 1909-114

Project: 060172

VOLATILE ORGANICS EPA 8260D METHOD BLANK QUALITY CONTROL

page 2 of 2

				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Laboratory ID:	MB0912S1					
1,1,2-Trichloroethane	ND	0.0010	EPA 8260D	9-12-19	9-12-19	
Tetrachloroethene	ND	0.0010	EPA 8260D	9-12-19	9-12-19	
1,3-Dichloropropane	ND	0.0010	EPA 8260D	9-12-19	9-12-19	
2-Hexanone	ND	0.0050	EPA 8260D	9-12-19	9-12-19	
Dibromochloromethane	ND	0.0010	EPA 8260D	9-12-19	9-12-19	
1,2-Dibromoethane	ND	0.0010	EPA 8260D	9-12-19	9-12-19	
Chlorobenzene	ND	0.0010	EPA 8260D	9-12-19	9-12-19	
1,1,1,2-Tetrachloroethane	ND	0.0010	EPA 8260D	9-12-19	9-12-19	
Ethylbenzene	ND	0.0010	EPA 8260D	9-12-19	9-12-19	
m,p-Xylene	ND	0.0020	EPA 8260D	9-12-19	9-12-19	
o-Xylene	ND	0.0010	EPA 8260D	9-12-19	9-12-19	
Styrene	ND	0.0010	EPA 8260D	9-12-19	9-12-19	
Bromoform	ND	0.0050	EPA 8260D	9-12-19	9-12-19	
Isopropylbenzene	ND	0.0010	EPA 8260D	9-12-19	9-12-19	
Bromobenzene	ND	0.0010	EPA 8260D	9-12-19	9-12-19	
1,1,2,2-Tetrachloroethane	ND	0.0010	EPA 8260D	9-12-19	9-12-19	
1,2,3-Trichloropropane	ND	0.0010	EPA 8260D	9-12-19	9-12-19	
n-Propylbenzene	ND	0.0010	EPA 8260D	9-12-19	9-12-19	
2-Chlorotoluene	ND	0.0010	EPA 8260D	9-12-19	9-12-19	
4-Chlorotoluene	ND	0.0010	EPA 8260D	9-12-19	9-12-19	
1,3,5-Trimethylbenzene	ND	0.0010	EPA 8260D	9-12-19	9-12-19	
tert-Butylbenzene	ND	0.0010	EPA 8260D	9-12-19	9-12-19	
1,2,4-Trimethylbenzene	ND	0.0010	EPA 8260D	9-12-19	9-12-19	
sec-Butylbenzene	ND	0.0010	EPA 8260D	9-12-19	9-12-19	
1,3-Dichlorobenzene	ND	0.0010	EPA 8260D	9-12-19	9-12-19	
p-Isopropyltoluene	ND	0.0010	EPA 8260D	9-12-19	9-12-19	
1,4-Dichlorobenzene	ND	0.0010	EPA 8260D	9-12-19	9-12-19	
1,2-Dichlorobenzene	ND	0.0010	EPA 8260D	9-12-19	9-12-19	
n-Butylbenzene	ND	0.0010	EPA 8260D	9-12-19	9-12-19	
1,2-Dibromo-3-chloropropane	ND	0.0050	EPA 8260D	9-12-19	9-12-19	
1,2,4-Trichlorobenzene	ND	0.0010	EPA 8260D	9-12-19	9-12-19	
Hexachlorobutadiene	ND	0.0050	EPA 8260D	9-12-19	9-12-19	
Naphthalene	ND	0.0010	EPA 8260D	9-12-19	9-12-19	
1,2,3-Trichlorobenzene	ND	0.0010	EPA 8260D	9-12-19	9-12-19	
Surrogate:	Percent Recovery	Control Limits				

Surrogate: Percent Recovery Control Limit
Dibromofluoromethane 99 76-131
Toluene-d8 98 78-128
4-Bromofluorobenzene 98 71-130

Laboratory Reference: 1909-114

Project: 060172

VOLATILE ORGANICS EPA 8260D SB/SBD QUALITY CONTROL

					Per	cent	Recovery		RPD	
Analyte	Res	sult	Spike	Level	Reco	overy	Limits	RPD	Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB09	12S1								
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	0.0484	0.0498	0.0500	0.0500	97	100	57-133	3	18	
Benzene	0.0428	0.0422	0.0500	0.0500	86	84	71-129	1	16	
Trichloroethene	0.0435	0.0483	0.0500	0.0500	87	97	71-122	10	16	
Toluene	0.0429	0.0464	0.0500	0.0500	86	93	74-125	8	15	
Chlorobenzene	0.0452	0.0475	0.0500	0.0500	90	95	72-120	5	14	
Surrogate:										
Dibromofluoromethane					104	99	76-131			
Toluene-d8					97	100	78-128			
4-Bromofluorobenzene					101	101	71-130			

Laboratory Reference: 1909-114

Project: 060172

GASOLINE RANGE ORGANICS NWTPH-Gx

Matrix: Soil

Units: mg/kg (ppm)

				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	SS-4					
Laboratory ID:	09-114-01					
Mineral Spirits	ND	3.1	NWTPH-Gx	9-12-19	9-12-19	
Surrogate:	Percent Recovery	Control Limits				
Fluorobenzene	94	58-129				
Client ID:	SS-5					
Laboratory ID:	09-114-02					
Mineral Spirits	ND	3.2	NWTPH-Gx	9-12-19	9-12-19	
Surrogate:	Percent Recovery	Control Limits				
Fluorobenzene	101	58-129				
Client ID:	SS-6					
Laboratory ID:	09-114-03					
Mineral Spirits	ND	3.0	NWTPH-Gx	9-12-19	9-12-19	
Surrogate:	Percent Recovery	Control Limits				
Fluorobenzene	101	58-129				

Laboratory Reference: 1909-114

Project: 060172

GASOLINE RANGE ORGANICS NWTPH-Gx QUALITY CONTROL

Matrix: Soil

Units: mg/kg (ppm)

				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0912S1					
Mineral Spirits	ND	5.0	NWTPH-Gx	9-12-19	9-12-19	
Surrogate:	Percent Recovery	Control Limits				
Fluorobenzene	90	58-129				

					Source	Percent	Recovery		RPD	
Analyte	Res	sult	Spike	Level	Result	Recovery	Limits	RPD	Limit	Flags
DUPLICATE										_
Laboratory ID:	09-11	14-01								
	ORIG	DUP								<u>.</u>
Mineral Spirits	ND	ND	NA	NA		NA	NA	NA	30	
Surrogate:										
Fluorobenzene						94 97	58-129			

Laboratory Reference: 1909-114 Project: 060172

% MOISTURE

Client ID	Lab ID	% Moisture	Date Analyzed
SS-4	09-114-01	10	9-12-19
SS-5	09-114-02	11	9-12-19
SS-6	09-114-03	10	9-12-19



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.
- 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.

7 -

ND - Not Detected at PQL

PQL - Practical Quantitation Limit

RPD - Relative Percent Difference





Chain of Custody

Page_
-
of

Reviewed/Date	Received	Relinquished	Received	Relinquished	Received	Relinquished									3 55-6	5-55 B	1 SS-4	Lab ID	Sampled by:	Delia Massey	200		Project Number:		Analyti 14648
			MARCH MARCH	(20 B)	2-40 BC	2) Mishor	Signature											Sample Identification	Bhak D Thurs	4 Jeremy Parter	NSper	27 1099	Consulting	Phone: (425) 883-3881 • www.onsite-env.com	Analytical Laboratory Testing Services 14648 NE 95th Street • Redmond, WA 98052
				V	C		\								+		9/11/19	Date Sampled]		☐ Sta	2 Days	Sar		-
Reviewed/Date		(25	Spe	Spece	Aspect	Company								1515	1430	1400	Time Sampled	(other)		Standard (7 Days) (TPH analysis 5 Days)	lays	Same Day	(Check One)	Turnaround Request (in working days)
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14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

October 7, 2019

Delia Massey Aspect Consulting Dexter Horton Building 710 2nd Avenue, Suit 550 Seattle, WA 98104

Re: Analytical Data for Project 060172

Laboratory Reference No. 1910-030

Dear Delia:

Enclosed are the analytical results and associated quality control data for samples submitted on October 3, 2019.

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,

David Baumeister Project Manager

Enclosures



Project: 060172

Case Narrative

Samples were collected on October 2, 2019 and received by the laboratory on October 3, 2019. 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.

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.

Project: 060172

VOLATILE ORGANICS EPA 8260D

page 1 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	SS-7	I QL	Wethou	rrepared	Analyzeu	i lags
Laboratory ID:	10-030-01					
Dichlorodifluoromethane	ND	0.00060	EPA 8260D	10-3-19	10-3-19	
Chloromethane	ND	0.0030	EPA 8260D	10-3-19	10-3-19	
Vinyl Chloride	ND	0.00060	EPA 8260D	10-3-19	10-3-19	
Bromomethane	ND	0.00060	EPA 8260D	10-3-19	10-3-19	
Chloroethane	ND	0.0030	EPA 8260D	10-3-19	10-3-19	
Trichlorofluoromethane	ND	0.00060	EPA 8260D	10-3-19	10-3-19	
1,1-Dichloroethene	ND	0.00060	EPA 8260D	10-3-19	10-3-19	
Acetone	0.018	0.0060	EPA 8260D	10-3-19	10-3-19	
lodomethane	ND	0.0030	EPA 8260D	10-3-19	10-3-19	
Carbon Disulfide	0.0011	0.00060	EPA 8260D	10-3-19	10-3-19	
Methylene Chloride	ND	0.0030	EPA 8260D	10-3-19	10-3-19	
(trans) 1,2-Dichloroethene	ND	0.00060	EPA 8260D	10-3-19	10-3-19	
Methyl t-Butyl Ether	ND	0.00060	EPA 8260D	10-3-19	10-3-19	
1,1-Dichloroethane	ND	0.00060	EPA 8260D	10-3-19	10-3-19	
Vinyl Acetate	ND	0.0030	EPA 8260D	10-3-19	10-3-19	
2,2-Dichloropropane	ND	0.00060	EPA 8260D	10-3-19	10-3-19	
(cis) 1,2-Dichloroethene	ND	0.00060	EPA 8260D	10-3-19	10-3-19	
2-Butanone	ND	0.0030	EPA 8260D	10-3-19	10-3-19	
Bromochloromethane	ND	0.00060	EPA 8260D	10-3-19	10-3-19	
Chloroform	ND	0.00060	EPA 8260D	10-3-19	10-3-19	
1,1,1-Trichloroethane	ND	0.00060	EPA 8260D	10-3-19	10-3-19	
Carbon Tetrachloride	ND	0.00060	EPA 8260D	10-3-19	10-3-19	
1,1-Dichloropropene	ND	0.00060	EPA 8260D	10-3-19	10-3-19	
Benzene	ND	0.00060	EPA 8260D	10-3-19	10-3-19	
1,2-Dichloroethane	ND	0.00060	EPA 8260D	10-3-19	10-3-19	
Trichloroethene	ND	0.00060	EPA 8260D	10-3-19	10-3-19	
1,2-Dichloropropane	ND	0.00060	EPA 8260D	10-3-19	10-3-19	
Dibromomethane	ND	0.00060	EPA 8260D	10-3-19	10-3-19	
Bromodichloromethane	ND	0.00060	EPA 8260D	10-3-19	10-3-19	
2-Chloroethyl Vinyl Ether	ND	0.0030	EPA 8260D	10-3-19	10-3-19	
(cis) 1,3-Dichloropropene	ND	0.00060	EPA 8260D	10-3-19	10-3-19	
Methyl Isobutyl Ketone	ND	0.0030	EPA 8260D	10-3-19	10-3-19	
Toluene	ND	0.0030	EPA 8260D	10-3-19	10-3-19	
(trans) 1,3-Dichloropropene	ND	0.00060	EPA 8260D	10-3-19	10-3-19	

Project: 060172

VOLATILE ORGANICS EPA 8260D

page 2 of 2

				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	SS-7					
Laboratory ID:	10-030-01					
1,1,2-Trichloroethane	ND	0.00060	EPA 8260D	10-3-19	10-3-19	
Tetrachloroethene	0.036	0.00060	EPA 8260D	10-3-19	10-3-19	
1,3-Dichloropropane	ND	0.00060	EPA 8260D	10-3-19	10-3-19	
2-Hexanone	ND	0.0030	EPA 8260D	10-3-19	10-3-19	
Dibromochloromethane	ND	0.00060	EPA 8260D	10-3-19	10-3-19	
1,2-Dibromoethane	ND	0.00060	EPA 8260D	10-3-19	10-3-19	
Chlorobenzene	ND	0.00060	EPA 8260D	10-3-19	10-3-19	
1,1,1,2-Tetrachloroethane	ND	0.00060	EPA 8260D	10-3-19	10-3-19	
Ethylbenzene	ND	0.00060	EPA 8260D	10-3-19	10-3-19	
m,p-Xylene	ND	0.0012	EPA 8260D	10-3-19	10-3-19	
o-Xylene	ND	0.00060	EPA 8260D	10-3-19	10-3-19	
Styrene	ND	0.00060	EPA 8260D	10-3-19	10-3-19	
- Bromoform	ND	0.0030	EPA 8260D	10-3-19	10-3-19	
Isopropylbenzene	ND	0.00060	EPA 8260D	10-3-19	10-3-19	
Bromobenzene	ND	0.00060	EPA 8260D	10-3-19	10-3-19	
I,1,2,2-Tetrachloroethane	ND	0.00060	EPA 8260D	10-3-19	10-3-19	
1,2,3-Trichloropropane	ND	0.00060	EPA 8260D	10-3-19	10-3-19	
n-Propylbenzene	ND	0.00060	EPA 8260D	10-3-19	10-3-19	
2-Chlorotoluene	ND	0.00060	EPA 8260D	10-3-19	10-3-19	
4-Chlorotoluene	ND	0.00060	EPA 8260D	10-3-19	10-3-19	
1,3,5-Trimethylbenzene	ND	0.00060	EPA 8260D	10-3-19	10-3-19	
ert-Butylbenzene	ND	0.00060	EPA 8260D	10-3-19	10-3-19	
1,2,4-Trimethylbenzene	0.00067	0.00060	EPA 8260D	10-3-19	10-3-19	
sec-Butylbenzene	0.0011	0.00060	EPA 8260D	10-3-19	10-3-19	
1,3-Dichlorobenzene	ND	0.00060	EPA 8260D	10-3-19	10-3-19	
o-Isopropyltoluene	ND	0.00060	EPA 8260D	10-3-19	10-3-19	
1,4-Dichlorobenzene	ND	0.00060	EPA 8260D	10-3-19	10-3-19	
1,2-Dichlorobenzene	ND	0.00060	EPA 8260D	10-3-19	10-3-19	
n-Butylbenzene	ND	0.00060	EPA 8260D	10-3-19	10-3-19	
1,2-Dibromo-3-chloropropane	ND	0.0030	EPA 8260D	10-3-19	10-3-19	
1,2,4-Trichlorobenzene	ND	0.00060	EPA 8260D	10-3-19	10-3-19	
-lexachlorobutadiene	ND	0.0030	EPA 8260D	10-3-19	10-3-19	
Naphthalene	ND	0.00060	EPA 8260D	10-3-19	10-3-19	
1,2,3-Trichlorobenzene	ND	0.00060	EPA 8260D	10-3-19	10-3-19	
Surrogate:	Percent Recovery	Control Limits				
Dibromofluoromethane	99	76-131				
Toluene-d8	99	78-128				

 Toluene-d8
 99
 78-128

 4-Bromofluorobenzene
 93
 71-130



Project: 060172

VOLATILE ORGANICS EPA 8260D QUALITY CONTROL

page 1 of 2

				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1003S1					
Dichlorodifluoromethane	ND	0.0010	EPA 8260D	10-3-19	10-3-19	
Chloromethane	ND	0.0050	EPA 8260D	10-3-19	10-3-19	
Vinyl Chloride	ND	0.0010	EPA 8260D	10-3-19	10-3-19	
Bromomethane	ND	0.0010	EPA 8260D	10-3-19	10-3-19	
Chloroethane	ND	0.0050	EPA 8260D	10-3-19	10-3-19	
Trichlorofluoromethane	ND	0.0010	EPA 8260D	10-3-19	10-3-19	
1,1-Dichloroethene	ND	0.0010	EPA 8260D	10-3-19	10-3-19	
Acetone	ND	0.010	EPA 8260D	10-3-19	10-3-19	
lodomethane	ND	0.0050	EPA 8260D	10-3-19	10-3-19	
Carbon Disulfide	ND	0.0010	EPA 8260D	10-3-19	10-3-19	
Methylene Chloride	ND	0.0050	EPA 8260D	10-3-19	10-3-19	
(trans) 1,2-Dichloroethene	ND	0.0010	EPA 8260D	10-3-19	10-3-19	
Methyl t-Butyl Ether	ND	0.0010	EPA 8260D	10-3-19	10-3-19	
1,1-Dichloroethane	ND	0.0010	EPA 8260D	10-3-19	10-3-19	
Vinyl Acetate	ND	0.0050	EPA 8260D	10-3-19	10-3-19	
2,2-Dichloropropane	ND	0.0010	EPA 8260D	10-3-19	10-3-19	
(cis) 1,2-Dichloroethene	ND	0.0010	EPA 8260D	10-3-19	10-3-19	
2-Butanone	ND	0.0050	EPA 8260D	10-3-19	10-3-19	
Bromochloromethane	ND	0.0010	EPA 8260D	10-3-19	10-3-19	
Chloroform	ND	0.0010	EPA 8260D	10-3-19	10-3-19	
1,1,1-Trichloroethane	ND	0.0010	EPA 8260D	10-3-19	10-3-19	
Carbon Tetrachloride	ND	0.0010	EPA 8260D	10-3-19	10-3-19	
1,1-Dichloropropene	ND	0.0010	EPA 8260D	10-3-19	10-3-19	
Benzene	ND	0.0010	EPA 8260D	10-3-19	10-3-19	
1,2-Dichloroethane	ND	0.0010	EPA 8260D	10-3-19	10-3-19	
Trichloroethene	ND	0.0010	EPA 8260D	10-3-19	10-3-19	
1,2-Dichloropropane	ND	0.0010	EPA 8260D	10-3-19	10-3-19	
Dibromomethane	ND	0.0010	EPA 8260D	10-3-19	10-3-19	
Bromodichloromethane	ND	0.0010	EPA 8260D	10-3-19	10-3-19	
2-Chloroethyl Vinyl Ether	ND	0.0050	EPA 8260D	10-3-19	10-3-19	
(cis) 1,3-Dichloropropene	ND	0.0010	EPA 8260D	10-3-19	10-3-19	
Methyl Isobutyl Ketone	ND	0.0050	EPA 8260D	10-3-19	10-3-19	
Toluene	ND	0.0050	EPA 8260D	10-3-19	10-3-19	
(trans) 1,3-Dichloropropene	ND	0.0010	EPA 8260D	10-3-19	10-3-19	

Project: 060172

VOLATILE ORGANICS EPA 8260D QUALITY CONTROL

page 2 of 2

				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1003S1					
1,1,2-Trichloroethane	ND	0.0010	EPA 8260D	10-3-19	10-3-19	
Tetrachloroethene	ND	0.0010	EPA 8260D	10-3-19	10-3-19	
1,3-Dichloropropane	ND	0.0010	EPA 8260D	10-3-19	10-3-19	
2-Hexanone	ND	0.0050	EPA 8260D	10-3-19	10-3-19	
Dibromochloromethane	ND	0.0010	EPA 8260D	10-3-19	10-3-19	
1,2-Dibromoethane	ND	0.0010	EPA 8260D	10-3-19	10-3-19	
Chlorobenzene	ND	0.0010	EPA 8260D	10-3-19	10-3-19	
1,1,1,2-Tetrachloroethane	ND	0.0010	EPA 8260D	10-3-19	10-3-19	
Ethylbenzene	ND	0.0010	EPA 8260D	10-3-19	10-3-19	
m,p-Xylene	ND	0.0020	EPA 8260D	10-3-19	10-3-19	
o-Xylene	ND	0.0010	EPA 8260D	10-3-19	10-3-19	
Styrene	ND	0.0010	EPA 8260D	10-3-19	10-3-19	
Bromoform	ND	0.0050	EPA 8260D	10-3-19	10-3-19	
sopropylbenzene	ND	0.0010	EPA 8260D	10-3-19	10-3-19	
Bromobenzene	ND	0.0010	EPA 8260D	10-3-19	10-3-19	
1,1,2,2-Tetrachloroethane	ND	0.0010	EPA 8260D	10-3-19	10-3-19	
1,2,3-Trichloropropane	ND	0.0010	EPA 8260D	10-3-19	10-3-19	
n-Propylbenzene	ND	0.0010	EPA 8260D	10-3-19	10-3-19	
2-Chlorotoluene	ND	0.0010	EPA 8260D	10-3-19	10-3-19	
1-Chlorotoluene	ND	0.0010	EPA 8260D	10-3-19	10-3-19	
1,3,5-Trimethylbenzene	ND	0.0010	EPA 8260D	10-3-19	10-3-19	
ert-Butylbenzene	ND	0.0010	EPA 8260D	10-3-19	10-3-19	
1,2,4-Trimethylbenzene	ND	0.0010	EPA 8260D	10-3-19	10-3-19	
sec-Butylbenzene	ND	0.0010	EPA 8260D	10-3-19	10-3-19	
1,3-Dichlorobenzene	ND	0.0010	EPA 8260D	10-3-19	10-3-19	
o-Isopropyltoluene	ND	0.0010	EPA 8260D	10-3-19	10-3-19	
1,4-Dichlorobenzene	ND	0.0010	EPA 8260D	10-3-19	10-3-19	
1,2-Dichlorobenzene	ND	0.0010	EPA 8260D	10-3-19	10-3-19	
n-Butylbenzene	ND	0.0010	EPA 8260D	10-3-19	10-3-19	
1,2-Dibromo-3-chloropropane	ND	0.0050	EPA 8260D	10-3-19	10-3-19	
1,2,4-Trichlorobenzene	ND	0.0010	EPA 8260D	10-3-19	10-3-19	
Hexachlorobutadiene	ND	0.0050	EPA 8260D	10-3-19	10-3-19	
Naphthalene	ND	0.0010	EPA 8260D	10-3-19	10-3-19	
1,2,3-Trichlorobenzene	ND	0.0010	EPA 8260D	10-3-19	10-3-19	
Surrogate:	Percent Recovery	Control Limits				
Dibromofluoromethane	98	76-131				
Toluene-d8	98	78-128				
		_, ,				

4-Bromofluorobenzene

71-130

93

Project: 060172

VOLATILE ORGANICS EPA 8260D QUALITY CONTROL

					Per	cent	Recovery		RPD	
Analyte	Res	sult	Spike	Level	Rec	overy	Limits	RPD	Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB10	03S1								
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	0.0421	0.0449	0.0500	0.0500	84	90	57-133	6	18	
Benzene	0.0451	0.0470	0.0500	0.0500	90	94	71-129	4	16	
Trichloroethene	0.0490	0.0506	0.0500	0.0500	98	101	71-122	3	16	
Toluene	0.0456	0.0468	0.0500	0.0500	91	94	74-125	3	15	
Chlorobenzene	0.0484	0.0509	0.0500	0.0500	97	102	72-120	5	14	
Surrogate:										
Dibromofluoromethane					94	96	76-131			
Toluene-d8					94	97	78-128			
4-Bromofluorobenzene					93	92	71-130			

Project: 060172

GASOLINE RANGE ORGANICS NWTPH-Gx

Matrix: Soil

Units: mg/kg (ppm)

				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	SS-7					
Laboratory ID:	10-030-01					
Mineral Spirits	8.3	5.0	NWTPH-Gx	10-3-19	10-3-19	
Surrogate:	Percent Recovery	Control Limits				
Fluorobenzene	110	58-129				

Project: 060172

GASOLINE RANGE ORGANICS NWTPH-Gx QUALITY CONTROL

Matrix: Soil

Units: mg/kg (ppm)

			Date	Date	
Result	PQL	Method	Prepared	Analyzed	Flags
MB1003S3					
ND	5.0	NWTPH-Gx	10-3-19	10-3-19	
Percent Recovery	Control Limits				
83	58-129				
	MB1003S3 ND Percent Recovery	MB1003S3 ND 5.0 Percent Recovery Control Limits	MB1003S3 ND 5.0 NWTPH-Gx Percent Recovery Control Limits	MB1003S3 ND 5.0 NWTPH-Gx 10-3-19 Percent Recovery Control Limits	Result PQL Method Prepared Analyzed MB1003S3 ND 5.0 NWTPH-Gx 10-3-19 10-3-19 Percent Recovery Control Limits 10-3-19 10-3-19

					Source Percent		Recovery		RPD	
Analyte	Res	sult	Spike	Level	Result	Recovery	Limits	RPD	Limit	Flags
DUPLICATE										
Laboratory ID:	10-03	30-01								
	ORIG	DUP								
Mineral Spirits	6.50	5.80	NA	NA		NA	NA	11	30	
Surrogate:										
Fluorobenzene						110 111	58-120			

Fluorobenzene 110 111 58-129

% MOISTURE

			Date
Client ID	Lab ID	% Moisture	Analyzed
SS-7	10-030-01	22	10-3-19



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.
- 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.

7 -

ND - Not Detected at PQL

PQL - Practical Quantitation Limit

RPD - Relative Percent Difference





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Reviewed/Date Reviewed/Date	Received	Relinquished	Received WWW (XIII)	Relinquished Holandon RAHA	Received & Hasselve HTHH	Relinquished Aspect Consulting	Signature Company					1 55-7 10/2/19 1320 50:1 5		This Borcak To Make (other)	a Mussey of Jereny Porter	U Standard (7 Days) (∏PH analysis 5 Days)	USU174 JA 2 Days		mber: Same Day	Consulting Same Day
			10/3/19/1000	1/3/19 102	0460 W/561	10/5/19 00/40	Date Time					×	NWTF NWTF Volati Halog	PH-Gx/PH-Gx PH-Dx (les 826) genated	BTEX Acid COC Volatile	es 82600 ers Only	0	n-up	n-up)	n-up)
Chromatograms with final report Electronic Data Deliverables (EDDs)	Data Package: Standard ☐ Level III ☐ Level IV ☐						Comments/Special Instructions						(with PAHs PAHs PCBs Organ Organ Chlor Total Total HEM	low-lever 8270D is 8082A mochlor mophos inated in MTCA Metals (oil and	ine Pesi phorus Acid He Metals Metals	by level) ticides 8 Pesticides rbicides	808°	827	8270D/SIN	8270D/SIM



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

October 18, 2019

Delia Massey Aspect Consulting Dexter Horton Building 710 2nd Avenue, Suit 550 Seattle, WA 98104

Re: Analytical Data for Project 060172

Laboratory Reference No. 1910-230

Dear Delia:

Enclosed are the analytical results and associated quality control data for samples submitted on October 17, 2019.

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,

David Baumeister Project Manager

Enclosures

Project: 060172

Case Narrative

Samples were collected on October 16, 2019 and received by the laboratory on October 17, 2019. 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.

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.

Project: 060172

VOLATILE ORGANICS EPA 8260D

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Matrix: Soil Units: mg/kg

				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	SS-8					
Laboratory ID:	10-230-01					
Dichlorodifluoromethane	ND	0.00049	EPA 8260D	10-17-19	10-17-19	
Chloromethane	ND	0.0024	EPA 8260D	10-17-19	10-17-19	
Vinyl Chloride	ND	0.00049	EPA 8260D	10-17-19	10-17-19	
Bromomethane	ND	0.00049	EPA 8260D	10-17-19	10-17-19	
Chloroethane	ND	0.0024	EPA 8260D	10-17-19	10-17-19	
Trichlorofluoromethane	ND	0.00049	EPA 8260D	10-17-19	10-17-19	
1,1-Dichloroethene	ND	0.00049	EPA 8260D	10-17-19	10-17-19	
Acetone	0.012	0.0049	EPA 8260D	10-17-19	10-17-19	
lodomethane	ND	0.0024	EPA 8260D	10-17-19	10-17-19	
Carbon Disulfide	ND	0.00049	EPA 8260D	10-17-19	10-17-19	
Methylene Chloride	ND	0.0024	EPA 8260D	10-17-19	10-17-19	
(trans) 1,2-Dichloroethene	ND	0.00049	EPA 8260D	10-17-19	10-17-19	
Methyl t-Butyl Ether	ND	0.00049	EPA 8260D	10-17-19	10-17-19	
1,1-Dichloroethane	ND	0.00049	EPA 8260D	10-17-19	10-17-19	
Vinyl Acetate	ND	0.0024	EPA 8260D	10-17-19	10-17-19	
2,2-Dichloropropane	ND	0.00049	EPA 8260D	10-17-19	10-17-19	
(cis) 1,2-Dichloroethene	0.0033	0.00049	EPA 8260D	10-17-19	10-17-19	
2-Butanone	ND	0.0024	EPA 8260D	10-17-19	10-17-19	
Bromochloromethane	ND	0.00049	EPA 8260D	10-17-19	10-17-19	
Chloroform	ND	0.00049	EPA 8260D	10-17-19	10-17-19	
1,1,1-Trichloroethane	ND	0.00049	EPA 8260D	10-17-19	10-17-19	
Carbon Tetrachloride	ND	0.00049	EPA 8260D	10-17-19	10-17-19	
1,1-Dichloropropene	ND	0.00049	EPA 8260D	10-17-19	10-17-19	
Benzene	ND	0.00049	EPA 8260D	10-17-19	10-17-19	
1,2-Dichloroethane	ND	0.00049	EPA 8260D	10-17-19	10-17-19	
Trichloroethene	0.0049	0.00049	EPA 8260D	10-17-19	10-17-19	
1,2-Dichloropropane	ND	0.00049	EPA 8260D	10-17-19	10-17-19	
Dibromomethane	ND	0.00049	EPA 8260D	10-17-19	10-17-19	
Bromodichloromethane	ND	0.00049	EPA 8260D	10-17-19	10-17-19	
2-Chloroethyl Vinyl Ether	ND	0.0034	EPA 8260D	10-17-19	10-17-19	
(cis) 1,3-Dichloropropene	ND	0.00049	EPA 8260D	10-17-19	10-17-19	
Methyl Isobutyl Ketone	0.0031	0.0024	EPA 8260D	10-17-19	10-17-19	
Toluene	ND	0.0024	EPA 8260D	10-17-19	10-17-19	
(trans) 1,3-Dichloropropene	ND	0.00049	EPA 8260D	10-17-19	10-17-19	

Project: 060172

VOLATILE ORGANICS EPA 8260D

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				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	SS-8					
Laboratory ID:	10-230-01					
1,1,2-Trichloroethane	ND	0.00049	EPA 8260D	10-17-19	10-17-19	
Tetrachloroethene	0.036	0.00049	EPA 8260D	10-17-19	10-17-19	
1,3-Dichloropropane	ND	0.00049	EPA 8260D	10-17-19	10-17-19	
2-Hexanone	ND	0.0024	EPA 8260D	10-17-19	10-17-19	
Dibromochloromethane	ND	0.00049	EPA 8260D	10-17-19	10-17-19	
1,2-Dibromoethane	ND	0.00049	EPA 8260D	10-17-19	10-17-19	
Chlorobenzene	ND	0.00049	EPA 8260D	10-17-19	10-17-19	
1,1,1,2-Tetrachloroethane	ND	0.00049	EPA 8260D	10-17-19	10-17-19	
Ethylbenzene	ND	0.00049	EPA 8260D	10-17-19	10-17-19	
m,p-Xylene	ND	0.00098	EPA 8260D	10-17-19	10-17-19	
o-Xylene	ND	0.00049	EPA 8260D	10-17-19	10-17-19	
Styrene	ND	0.00049	EPA 8260D	10-17-19	10-17-19	
Bromoform	ND	0.0024	EPA 8260D	10-17-19	10-17-19	
Isopropylbenzene	ND	0.00049	EPA 8260D	10-17-19	10-17-19	
Bromobenzene	ND	0.00049	EPA 8260D	10-17-19	10-17-19	
1,1,2,2-Tetrachloroethane	ND	0.00049	EPA 8260D	10-17-19	10-17-19	
1,2,3-Trichloropropane	ND	0.00049	EPA 8260D	10-17-19	10-17-19	
n-Propylbenzene	ND	0.00049	EPA 8260D	10-17-19	10-17-19	
2-Chlorotoluene	ND	0.00049	EPA 8260D	10-17-19	10-17-19	
4-Chlorotoluene	ND	0.00049	EPA 8260D	10-17-19	10-17-19	
1,3,5-Trimethylbenzene	ND	0.00049	EPA 8260D	10-17-19	10-17-19	
tert-Butylbenzene	ND	0.00049	EPA 8260D	10-17-19	10-17-19	
1,2,4-Trimethylbenzene	ND	0.00049	EPA 8260D	10-17-19	10-17-19	
sec-Butylbenzene	ND	0.00049	EPA 8260D	10-17-19	10-17-19	
1,3-Dichlorobenzene	ND	0.00049	EPA 8260D	10-17-19	10-17-19	
p-Isopropyltoluene	0.0092	0.00049	EPA 8260D	10-17-19	10-17-19	
1,4-Dichlorobenzene	ND	0.00049	EPA 8260D	10-17-19	10-17-19	
1,2-Dichlorobenzene	ND	0.00049	EPA 8260D	10-17-19	10-17-19	
n-Butylbenzene	ND	0.00049	EPA 8260D	10-17-19	10-17-19	
1,2-Dibromo-3-chloropropane	ND	0.0024	EPA 8260D	10-17-19	10-17-19	
1,2,4-Trichlorobenzene	ND	0.00049	EPA 8260D	10-17-19	10-17-19	
Hexachlorobutadiene	ND	0.0024	EPA 8260D	10-17-19	10-17-19	
Naphthalene	ND	0.00049	EPA 8260D	10-17-19	10-17-19	
1,2,3-Trichlorobenzene	ND	0.00049	EPA 8260D	10-17-19	10-17-19	
Surrogate:	Percent Recovery	Control Limits				
Dibromofluoromethane	102	76-131				
Toluene-d8	98	78-128				

4-Bromofluorobenzene 97 71-130



Project: 060172

VOLATILE ORGANICS EPA 8260D QUALITY CONTROL

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Matrix: Soil Units: mg/kg

				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1017S1					
Dichlorodifluoromethane	ND	0.0010	EPA 8260D	10-17-19	10-17-19	
Chloromethane	ND	0.0050	EPA 8260D	10-17-19	10-17-19	
Vinyl Chloride	ND	0.0010	EPA 8260D	10-17-19	10-17-19	
Bromomethane	ND	0.0010	EPA 8260D	10-17-19	10-17-19	
Chloroethane	ND	0.0050	EPA 8260D	10-17-19	10-17-19	
Trichlorofluoromethane	ND	0.0010	EPA 8260D	10-17-19	10-17-19	
1,1-Dichloroethene	ND	0.0010	EPA 8260D	10-17-19	10-17-19	
Acetone	ND	0.010	EPA 8260D	10-17-19	10-17-19	
Iodomethane	ND	0.0050	EPA 8260D	10-17-19	10-17-19	
Carbon Disulfide	ND	0.0010	EPA 8260D	10-17-19	10-17-19	
Methylene Chloride	ND	0.0050	EPA 8260D	10-17-19	10-17-19	
(trans) 1,2-Dichloroethene	ND	0.0010	EPA 8260D	10-17-19	10-17-19	
Methyl t-Butyl Ether	ND	0.0010	EPA 8260D	10-17-19	10-17-19	
1,1-Dichloroethane	ND	0.0010	EPA 8260D	10-17-19	10-17-19	
Vinyl Acetate	ND	0.0050	EPA 8260D	10-17-19	10-17-19	
2,2-Dichloropropane	ND	0.0010	EPA 8260D	10-17-19	10-17-19	
(cis) 1,2-Dichloroethene	ND	0.0010	EPA 8260D	10-17-19	10-17-19	
2-Butanone	ND	0.0050	EPA 8260D	10-17-19	10-17-19	
Bromochloromethane	ND	0.0010	EPA 8260D	10-17-19	10-17-19	
Chloroform	ND	0.0010	EPA 8260D	10-17-19	10-17-19	
1,1,1-Trichloroethane	ND	0.0010	EPA 8260D	10-17-19	10-17-19	
Carbon Tetrachloride	ND	0.0010	EPA 8260D	10-17-19	10-17-19	
1,1-Dichloropropene	ND	0.0010	EPA 8260D	10-17-19	10-17-19	
Benzene	ND	0.0010	EPA 8260D	10-17-19	10-17-19	
1,2-Dichloroethane	ND	0.0010	EPA 8260D	10-17-19	10-17-19	
Trichloroethene	ND	0.0010	EPA 8260D	10-17-19	10-17-19	
1,2-Dichloropropane	ND	0.0010	EPA 8260D	10-17-19	10-17-19	
Dibromomethane	ND	0.0010	EPA 8260D	10-17-19	10-17-19	
Bromodichloromethane	ND	0.0010	EPA 8260D	10-17-19	10-17-19	
2-Chloroethyl Vinyl Ether	ND	0.0070	EPA 8260D	10-17-19	10-17-19	
(cis) 1,3-Dichloropropene	ND	0.0010	EPA 8260D	10-17-19	10-17-19	
Methyl Isobutyl Ketone	ND	0.0050	EPA 8260D	10-17-19	10-17-19	
Toluene	ND	0.0050	EPA 8260D	10-17-19	10-17-19	
(trans) 1,3-Dichloropropene	ND	0.0010	EPA 8260D	10-17-19	10-17-19	

Project: 060172

VOLATILE ORGANICS EPA 8260D QUALITY CONTROL

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				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1017S1					
1,1,2-Trichloroethane	ND	0.0010	EPA 8260D	10-17-19	10-17-19	
Tetrachloroethene	ND	0.0010	EPA 8260D	10-17-19	10-17-19	
1,3-Dichloropropane	ND	0.0010	EPA 8260D	10-17-19	10-17-19	
2-Hexanone	ND	0.0050	EPA 8260D	10-17-19	10-17-19	
Dibromochloromethane	ND	0.0010	EPA 8260D	10-17-19	10-17-19	
1,2-Dibromoethane	ND	0.0010	EPA 8260D	10-17-19	10-17-19	
Chlorobenzene	ND	0.0010	EPA 8260D	10-17-19	10-17-19	
1,1,1,2-Tetrachloroethane	ND	0.0010	EPA 8260D	10-17-19	10-17-19	
Ethylbenzene	ND	0.0010	EPA 8260D	10-17-19	10-17-19	
m,p-Xylene	ND	0.0020	EPA 8260D	10-17-19	10-17-19	
o-Xylene	ND	0.0010	EPA 8260D	10-17-19	10-17-19	
Styrene	ND	0.0010	EPA 8260D	10-17-19	10-17-19	
Bromoform	ND	0.0050	EPA 8260D	10-17-19	10-17-19	
Isopropylbenzene	ND	0.0010	EPA 8260D	10-17-19	10-17-19	
Bromobenzene	ND	0.0010	EPA 8260D	10-17-19	10-17-19	
1,1,2,2-Tetrachloroethane	ND	0.0010	EPA 8260D	10-17-19	10-17-19	
1,2,3-Trichloropropane	ND	0.0010	EPA 8260D	10-17-19	10-17-19	
n-Propylbenzene	ND	0.0010	EPA 8260D	10-17-19	10-17-19	
2-Chlorotoluene	ND	0.0010	EPA 8260D	10-17-19	10-17-19	
4-Chlorotoluene	ND	0.0010	EPA 8260D	10-17-19	10-17-19	
1,3,5-Trimethylbenzene	ND	0.0010	EPA 8260D	10-17-19	10-17-19	
tert-Butylbenzene	ND	0.0010	EPA 8260D	10-17-19	10-17-19	
1,2,4-Trimethylbenzene	ND	0.0010	EPA 8260D	10-17-19	10-17-19	
sec-Butylbenzene	ND	0.0010	EPA 8260D	10-17-19	10-17-19	
1,3-Dichlorobenzene	ND	0.0010	EPA 8260D	10-17-19	10-17-19	
p-Isopropyltoluene	ND	0.0010	EPA 8260D	10-17-19	10-17-19	
1,4-Dichlorobenzene	ND	0.0010	EPA 8260D	10-17-19	10-17-19	
1,2-Dichlorobenzene	ND	0.0010	EPA 8260D	10-17-19	10-17-19	
n-Butylbenzene	ND	0.0010	EPA 8260D	10-17-19	10-17-19	
1,2-Dibromo-3-chloropropane	ND	0.0050	EPA 8260D	10-17-19	10-17-19	
1,2,4-Trichlorobenzene	ND	0.0010	EPA 8260D	10-17-19	10-17-19	
Hexachlorobutadiene	ND	0.0050	EPA 8260D	10-17-19	10-17-19	
Naphthalene	ND	0.0010	EPA 8260D	10-17-19	10-17-19	
1,2,3-Trichlorobenzene	ND	0.0010	EPA 8260D	10-17-19	10-17-19	
Surrogate:	Percent Recovery	Control Limits				
Dibromofluoromethane	99	76-131				
Toluene-d8	98	78-128				

4-Bromofluorobenzene

71-130

94

Project: 060172

VOLATILE ORGANICS EPA 8260D QUALITY CONTROL

Matrix: Soil Units: mg/kg

					Per	cent	Recovery		RPD	
Analyte	Res	sult	Spike	Level	Rece	Recovery		RPD	Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB10	17S1								
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	0.0427	0.0416	0.0500	0.0500	85	83	57-133	3	18	
Benzene	0.0428	0.0415	0.0500	0.0500	86	83	71-129	3	16	
Trichloroethene	0.0489	0.0472	0.0500	0.0500	98	94	71-122	4	16	
Toluene	0.0452	0.0432	0.0500	0.0500	90	86	74-125	5	15	
Chlorobenzene	0.0444	0.0442	0.0500	0.0500	89	88	72-120	0	14	
Surrogate:										
Dibromofluoromethane					99	100	76-131			
Toluene-d8					97	97	78-128			
4-Bromofluorobenzene					95	95	71-130			

Project: 060172

GASOLINE RANGE ORGANICS NWTPH-Gx

Matrix: Soil

Units: mg/kg (ppm)

				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	SS-8					_
Laboratory ID:	10-230-01					
Mineral Spirits	ND	3.7	NWTPH-Gx	10-17-19	10-17-19	
Surrogate:	Percent Recovery	Control Limits				
Fluorobenzene	98	58-129				

Project: 060172

GASOLINE RANGE ORGANICS NWTPH-Gx QUALITY CONTROL

Matrix: Soil

Units: mg/kg (ppm)

				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1017S1					
Mineral Spirits	ND	5.0	NWTPH-Gx	10-17-19	10-17-19	
Surrogate:	Percent Recovery	Control Limits				
Fluorobenzene	84	58-129				

Analyte	Res	sult	Spike	Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE										
Laboratory ID:	10-2	18-01								
	ORIG	DUP								
Mineral Spirits	ND	ND	NA	NA		NA	NA	NA	30	
Surrogate: Fluorobenzene						86 87	58-129			

% MOISTURE

			Date
Client ID	Lab ID	% Moisture	Analyzed
SS-8	10-230-01	19	10-17-19



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.
- 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.

7 -

ND - Not Detected at PQL

PQL - Practical Quantitation Limit

RPD - Relative Percent Difference



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Chain of Custody

Page		
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November 14, 2019

Jeremy Porter Aspect Consulting Dexter Horton Building 710 2nd Avenue, Suit 550 Seattle, WA 98104

Re: Analytical Data for Project 060172

Laboratory Reference No. 1911-121

Dear Jeremy:

Enclosed are the analytical results and associated quality control data for samples submitted on November 12, 2019.

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

David Baumeister Project Manager

Enclosures



Date of Report: November 14, 2019 Samples Submitted: November 12, 2019 Laboratory Reference: 1911-121

Project: 060172

Case Narrative

Samples were collected on November 11, 2019 and received by the laboratory on November 12, 2019. 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.

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.

Laboratory Reference: 1911-121

Project: 060172

VOLATILE ORGANICS EPA 8260D

page 1 of 2

Matrix: Soil Units: mg/kg

				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	SS-11					
Laboratory ID:	11-121-01					
Dichlorodifluoromethane	ND	0.00049	EPA 8260D	11-12-19	11-12-19	
Chloromethane	ND	0.0024	EPA 8260D	11-12-19	11-12-19	
Vinyl Chloride	ND	0.00049	EPA 8260D	11-12-19	11-12-19	
Bromomethane	ND	0.00049	EPA 8260D	11-12-19	11-12-19	
Chloroethane	ND	0.0024	EPA 8260D	11-12-19	11-12-19	
Trichlorofluoromethane	ND	0.00049	EPA 8260D	11-12-19	11-12-19	
1,1-Dichloroethene	ND	0.00049	EPA 8260D	11-12-19	11-12-19	
Acetone	ND	0.0049	EPA 8260D	11-12-19	11-12-19	
Iodomethane	ND	0.0024	EPA 8260D	11-12-19	11-12-19	
Carbon Disulfide	0.0045	0.00068	EPA 8260D	11-12-19	11-12-19	Υ
Methylene Chloride	ND	0.0024	EPA 8260D	11-12-19	11-12-19	
(trans) 1,2-Dichloroethene	ND	0.00049	EPA 8260D	11-12-19	11-12-19	
Methyl t-Butyl Ether	ND	0.00049	EPA 8260D	11-12-19	11-12-19	
1,1-Dichloroethane	ND	0.00049	EPA 8260D	11-12-19	11-12-19	
Vinyl Acetate	ND	0.0031	EPA 8260D	11-12-19	11-12-19	
2,2-Dichloropropane	ND	0.00049	EPA 8260D	11-12-19	11-12-19	
(cis) 1,2-Dichloroethene	0.00074	0.00049	EPA 8260D	11-12-19	11-12-19	
2-Butanone	ND	0.0024	EPA 8260D	11-12-19	11-12-19	
Bromochloromethane	ND	0.00049	EPA 8260D	11-12-19	11-12-19	
Chloroform	ND	0.00049	EPA 8260D	11-12-19	11-12-19	
1,1,1-Trichloroethane	ND	0.00049	EPA 8260D	11-12-19	11-12-19	
Carbon Tetrachloride	ND	0.00049	EPA 8260D	11-12-19	11-12-19	
1,1-Dichloropropene	ND	0.00049	EPA 8260D	11-12-19	11-12-19	
Benzene	ND	0.00049	EPA 8260D	11-12-19	11-12-19	
1,2-Dichloroethane	ND	0.00049	EPA 8260D	11-12-19	11-12-19	
Trichloroethene	0.0037	0.00049	EPA 8260D	11-12-19	11-12-19	
1,2-Dichloropropane	ND	0.00049	EPA 8260D	11-12-19	11-12-19	
Dibromomethane	ND	0.00049	EPA 8260D	11-12-19	11-12-19	
Bromodichloromethane	ND	0.00049	EPA 8260D	11-12-19	11-12-19	
2-Chloroethyl Vinyl Ether	ND	0.0059	EPA 8260D	11-12-19	11-12-19	
(cis) 1,3-Dichloropropene	ND	0.00049	EPA 8260D	11-12-19	11-12-19	
Methyl Isobutyl Ketone	ND	0.0031	EPA 8260D	11-12-19	11-12-19	
Toluene	ND	0.0024	EPA 8260D	11-12-19	11-12-19	
(trans) 1,3-Dichloropropene	ND	0.00049	EPA 8260D	11-12-19	11-12-19	

Laboratory Reference: 1911-121

Project: 060172

VOLATILE ORGANICS EPA 8260D

page 2 of 2

				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	SS-11					
Laboratory ID:	11-121-01					
1,1,2-Trichloroethane	ND	0.00049	EPA 8260D	11-12-19	11-12-19	
Tetrachloroethene	0.057	0.00049	EPA 8260D	11-12-19	11-12-19	
1,3-Dichloropropane	ND	0.00049	EPA 8260D	11-12-19	11-12-19	
2-Hexanone	ND	0.0036	EPA 8260D	11-12-19	11-12-19	
Dibromochloromethane	ND	0.00049	EPA 8260D	11-12-19	11-12-19	
1,2-Dibromoethane	ND	0.00049	EPA 8260D	11-12-19	11-12-19	
Chlorobenzene	ND	0.00049	EPA 8260D	11-12-19	11-12-19	
1,1,1,2-Tetrachloroethane	ND	0.00049	EPA 8260D	11-12-19	11-12-19	
Ethylbenzene	ND	0.00049	EPA 8260D	11-12-19	11-12-19	
m,p-Xylene	ND	0.0024	EPA 8260D	11-12-19	11-12-19	
o-Xylene	ND	0.00049	EPA 8260D	11-12-19	11-12-19	
Styrene	ND	0.00049	EPA 8260D	11-12-19	11-12-19	
Bromoform	ND	0.0024	EPA 8260D	11-12-19	11-12-19	
Isopropylbenzene	ND	0.00049	EPA 8260D	11-12-19	11-12-19	
Bromobenzene	ND	0.00049	EPA 8260D	11-12-19	11-12-19	
1,1,2,2-Tetrachloroethane	ND	0.00049	EPA 8260D	11-12-19	11-12-19	
1,2,3-Trichloropropane	ND	0.00049	EPA 8260D	11-12-19	11-12-19	
n-Propylbenzene	ND	0.00049	EPA 8260D	11-12-19	11-12-19	
2-Chlorotoluene	ND	0.00049	EPA 8260D	11-12-19	11-12-19	
4-Chlorotoluene	ND	0.00049	EPA 8260D	11-12-19	11-12-19	
1,3,5-Trimethylbenzene	ND	0.00049	EPA 8260D	11-12-19	11-12-19	
tert-Butylbenzene	ND	0.00049	EPA 8260D	11-12-19	11-12-19	
1,2,4-Trimethylbenzene	ND	0.00049	EPA 8260D	11-12-19	11-12-19	
sec-Butylbenzene	0.00071	0.00049	EPA 8260D	11-12-19	11-12-19	
1,3-Dichlorobenzene	ND	0.00049	EPA 8260D	11-12-19	11-12-19	
p-Isopropyltoluene	ND	0.00049	EPA 8260D	11-12-19	11-12-19	
1,4-Dichlorobenzene	ND	0.00049	EPA 8260D	11-12-19	11-12-19	
1,2-Dichlorobenzene	ND	0.00049	EPA 8260D	11-12-19	11-12-19	
n-Butylbenzene	ND	0.00049	EPA 8260D	11-12-19	11-12-19	
1,2-Dibromo-3-chloropropane	ND	0.0024	EPA 8260D	11-12-19	11-12-19	
1,2,4-Trichlorobenzene	ND	0.00049	EPA 8260D	11-12-19	11-12-19	
Hexachlorobutadiene	ND	0.0024	EPA 8260D	11-12-19	11-12-19	
Naphthalene	ND	0.00049	EPA 8260D	11-12-19	11-12-19	
1,2,3-Trichlorobenzene	ND	0.00049	EPA 8260D	11-12-19	11-12-19	
Surrogate:	Percent Recovery	Control Limits				
Dibromofluoromethane	99	76-131				
Toluene-d8	97	78-128				

Toluene-d8 97 78-128 4-Bromofluorobenzene 87 71-130



Laboratory Reference: 1911-121

Project: 060172

VOLATILE ORGANICS EPA 8260D QUALITY CONTROL

page 1 of 2

Matrix: Soil Units: mg/kg

onits. Hig/kg				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1112S1					
Dichlorodifluoromethane	ND	0.0010	EPA 8260D	11-12-19	11-12-19	
Chloromethane	ND	0.0050	EPA 8260D	11-12-19	11-12-19	
Vinyl Chloride	ND	0.0010	EPA 8260D	11-12-19	11-12-19	
Bromomethane	ND	0.0010	EPA 8260D	11-12-19	11-12-19	
Chloroethane	ND	0.0050	EPA 8260D	11-12-19	11-12-19	
Trichlorofluoromethane	ND	0.0010	EPA 8260D	11-12-19	11-12-19	
1,1-Dichloroethene	ND	0.0010	EPA 8260D	11-12-19	11-12-19	
Acetone	ND	0.010	EPA 8260D	11-12-19	11-12-19	
Iodomethane	ND	0.0050	EPA 8260D	11-12-19	11-12-19	
Carbon Disulfide	ND	0.0014	EPA 8260D	11-12-19	11-12-19	
Methylene Chloride	ND	0.0050	EPA 8260D	11-12-19	11-12-19	
(trans) 1,2-Dichloroethene	ND	0.0010	EPA 8260D	11-12-19	11-12-19	
Methyl t-Butyl Ether	ND	0.0010	EPA 8260D	11-12-19	11-12-19	
1,1-Dichloroethane	ND	0.0010	EPA 8260D	11-12-19	11-12-19	
Vinyl Acetate	ND	0.0064	EPA 8260D	11-12-19	11-12-19	
2,2-Dichloropropane	ND	0.0010	EPA 8260D	11-12-19	11-12-19	
(cis) 1,2-Dichloroethene	ND	0.0010	EPA 8260D	11-12-19	11-12-19	
2-Butanone	ND	0.0050	EPA 8260D	11-12-19	11-12-19	
Bromochloromethane	ND	0.0010	EPA 8260D	11-12-19	11-12-19	
Chloroform	ND	0.0010	EPA 8260D	11-12-19	11-12-19	
1,1,1-Trichloroethane	ND	0.0010	EPA 8260D	11-12-19	11-12-19	
Carbon Tetrachloride	ND	0.0010	EPA 8260D	11-12-19	11-12-19	
1,1-Dichloropropene	ND	0.0010	EPA 8260D	11-12-19	11-12-19	
Benzene	ND	0.0010	EPA 8260D	11-12-19	11-12-19	
1,2-Dichloroethane	ND	0.0010	EPA 8260D	11-12-19	11-12-19	
Trichloroethene	ND	0.0010	EPA 8260D	11-12-19	11-12-19	
1,2-Dichloropropane	ND	0.0010	EPA 8260D	11-12-19	11-12-19	
Dibromomethane	ND	0.0010	EPA 8260D	11-12-19	11-12-19	
Bromodichloromethane	ND	0.0010	EPA 8260D	11-12-19	11-12-19	
2-Chloroethyl Vinyl Ether	ND	0.012	EPA 8260D	11-12-19	11-12-19	
(cis) 1,3-Dichloropropene	ND	0.0010	EPA 8260D	11-12-19	11-12-19	
Methyl Isobutyl Ketone	ND	0.0064	EPA 8260D	11-12-19	11-12-19	
Toluene	ND	0.0050	EPA 8260D	11-12-19	11-12-19	
(trans) 1,3-Dichloropropene	ND	0.0010	EPA 8260D	11-12-19	11-12-19	

Laboratory Reference: 1911-121

Project: 060172

VOLATILE ORGANICS EPA 8260D QUALITY CONTROL

page 2 of 2

				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1112S1					
1,1,2-Trichloroethane	ND	0.0010	EPA 8260D	11-12-19	11-12-19	
Tetrachloroethene	ND	0.0010	EPA 8260D	11-12-19	11-12-19	
1,3-Dichloropropane	ND	0.0010	EPA 8260D	11-12-19	11-12-19	
2-Hexanone	ND	0.0073	EPA 8260D	11-12-19	11-12-19	
Dibromochloromethane	ND	0.0010	EPA 8260D	11-12-19	11-12-19	
1,2-Dibromoethane	ND	0.0010	EPA 8260D	11-12-19	11-12-19	
Chlorobenzene	ND	0.0010	EPA 8260D	11-12-19	11-12-19	
1,1,1,2-Tetrachloroethane	ND	0.0010	EPA 8260D	11-12-19	11-12-19	
Ethylbenzene	ND	0.0010	EPA 8260D	11-12-19	11-12-19	
m,p-Xylene	ND	0.0050	EPA 8260D	11-12-19	11-12-19	
o-Xylene	ND	0.0010	EPA 8260D	11-12-19	11-12-19	
Styrene	ND	0.0010	EPA 8260D	11-12-19	11-12-19	
Bromoform	ND	0.0050	EPA 8260D	11-12-19	11-12-19	
Isopropylbenzene	ND	0.0010	EPA 8260D	11-12-19	11-12-19	
Bromobenzene	ND	0.0010	EPA 8260D	11-12-19	11-12-19	
1,1,2,2-Tetrachloroethane	ND	0.0010	EPA 8260D	11-12-19	11-12-19	
1,2,3-Trichloropropane	ND	0.0010	EPA 8260D	11-12-19	11-12-19	
n-Propylbenzene	ND	0.0010	EPA 8260D	11-12-19	11-12-19	
2-Chlorotoluene	ND	0.0010	EPA 8260D	11-12-19	11-12-19	
4-Chlorotoluene	ND	0.0010	EPA 8260D	11-12-19	11-12-19	
1,3,5-Trimethylbenzene	ND	0.0010	EPA 8260D	11-12-19	11-12-19	
tert-Butylbenzene	ND	0.0010	EPA 8260D	11-12-19	11-12-19	
1,2,4-Trimethylbenzene	ND	0.0010	EPA 8260D	11-12-19	11-12-19	
sec-Butylbenzene	ND	0.0010	EPA 8260D	11-12-19	11-12-19	
1,3-Dichlorobenzene	ND	0.0010	EPA 8260D	11-12-19	11-12-19	
p-Isopropyltoluene	ND	0.0010	EPA 8260D	11-12-19	11-12-19	
1,4-Dichlorobenzene	ND	0.0010	EPA 8260D	11-12-19	11-12-19	
1,2-Dichlorobenzene	ND	0.0010	EPA 8260D	11-12-19	11-12-19	
n-Butylbenzene	ND	0.0010	EPA 8260D	11-12-19	11-12-19	
1,2-Dibromo-3-chloropropane	ND	0.0050	EPA 8260D	11-12-19	11-12-19	
1,2,4-Trichlorobenzene	ND	0.0010	EPA 8260D	11-12-19	11-12-19	
Hexachlorobutadiene	ND	0.0050	EPA 8260D	11-12-19	11-12-19	
Naphthalene	ND	0.0010	EPA 8260D	11-12-19	11-12-19	
1,2,3-Trichlorobenzene	ND	0.0010	EPA 8260D	11-12-19	11-12-19	
Surrogate:	Percent Recovery	Control Limits				
Dibromofluoromethane	95	76-131				
Toluene-d8	95	78-128				

4-Bromofluorobenzene 91 71-130

Laboratory Reference: 1911-121

Project: 060172

VOLATILE ORGANICS EPA 8260D QUALITY CONTROL

Matrix: Soil Units: mg/kg

					Per	cent	Recovery		RPD	
Analyte	Res	sult	Spike	Level	Rec	overy	Limits	RPD	Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB11	12S1								
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	0.0404	0.0387	0.0500	0.0500	81	77	57-133	4	18	
Benzene	0.0495	0.0485	0.0500	0.0500	99	97	71-129	2	16	
Trichloroethene	0.0523	0.0510	0.0500	0.0500	105	102	71-122	3	16	
Toluene	0.0508	0.0482	0.0500	0.0500	102	96	74-125	5	15	
Chlorobenzene	0.0520	0.0498	0.0500	0.0500	104	100	72-120	4	14	
Surrogate:										
Dibromofluoromethane					96	97	76-131			
Toluene-d8					94	95	78-128			
4-Bromofluorobenzene					93	90	71-130			

Laboratory Reference: 1911-121

Project: 060172

GASOLINE RANGE ORGANICS NWTPH-Gx

Matrix: Soil

Units: mg/kg (ppm)

				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	SS-11					
Laboratory ID:	11-121-01					
Mineral Spirits	140	9.4	NWTPH-Gx	11-12-19	11-13-19	
Surrogate:	Percent Recovery	Control Limits				
Fluorobenzene	70	58-129				

Laboratory Reference: 1911-121

Project: 060172

GASOLINE RANGE ORGANICS NWTPH-Gx QUALITY CONTROL

Matrix: Soil

Units: mg/kg (ppm)

				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1112S1					
Mineral Spirits	ND	5.0	NWTPH-Gx	11-12-19	11-12-19	
Surrogate:	Percent Recovery	Control Limits				
Fluorobenzene	81	58-129				

Analyte	Res	sult	Spike	Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE										
Laboratory ID:	11-1	10-02								
	ORIG	DUP								
Mineral Spirits	ND	ND	NA	NA		NA	NA	NA	30	
Surrogate: Fluorobenzene						89 87	58-129			

Laboratory Reference: 1911-121 Project: 060172

% MOISTURE

			Date
Client ID	Lab ID	% Moisture	Analyzed
SS-11	11-121-01	19	11-12-19



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.
- 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.

7 -

ND - Not Detected at PQL

PQL - Practical Quantitation Limit

RPD - Relative Percent Difference





Chain of Custody

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	Reviewed/Date	Received	Relinquished	Received	Relinquished	Received	Relinquished						11-55	Lab ID	Sampled By:	Jarany Toth	Spic N Span	2 £1090	Company: Aspect (
				Mary Cizen	ヤニギ	474	11 Biban	Signature						Sample Identification	Bukak	Toto & Delia Musey	è.		Aspect Consulting	ENVIPORMENTAL INC. 14648 NE 95th Street • Redmond, WA 98052 Phone: (425) 883-3881 • www.onsite-env.com
Data Package: Level III Level IV Electronic Data Deliverables (EDDs)	Reviewed/Date			000	The state of the s	See	Aspect	Company					11/11/19 1515 50:1	Date Time Sampled Sampled M	(other)		Standard (7 Days) (TPH analysis 5 Days)	П	Same Day 1 Day	Turnaround Request (in working days)
□ Electronic Data Deliverable			1 1	1/18/11/1	111/12/1	K/12/11	11/12/11	Date					N	NWTP NWTP			ers] 3 Days	Day	Laborate
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	Chromatograms with final report					کم		Comments/Special Instructions						Organo Chlorin Total R TCLP	phospholated Ac	orus Per id Herb	sticides 80 sticides 8 sicides 8 fletals (c	3270D/S		11-121
													X	Mines			-1	TAL-	61	
													7	% Mois	ture					



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

December 16, 2019

Delia Massey Aspect Consulting Dexter Horton Building 710 2nd Avenue, Suit 550 Seattle, WA 98104

Re: Analytical Data for Project 060172

Laboratory Reference No. 1912-108

Dear Delia:

Enclosed are the analytical results and associated quality control data for samples submitted on December 12, 2019.

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,

David Baumeister Project Manager

Enclosures



Laboratory Reference: 1912-108

Project: 060172

Case Narrative

Samples were collected on December 12, 2019 and received by the laboratory on December 12, 2019. 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.

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.

pH SM 4500-H B Analysis

Value reported is outside the calibration range and it is an estimate

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.

Laboratory Reference: 1912-108

Project: 060172

VOLATILE ORGANICS EPA 8260D

page 1 of 2

Matrix: Water Units: ug/L

Ŭ				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	Concrete Slurry-1					
Laboratory ID:	12-108-01					
Dichlorodifluoromethane	ND	0.20	EPA 8260D	12-12-19	12-12-19	
Chloromethane	ND	1.0	EPA 8260D	12-12-19	12-12-19	
Vinyl Chloride	ND	0.20	EPA 8260D	12-12-19	12-12-19	
Bromomethane	ND	0.48	EPA 8260D	12-12-19	12-12-19	
Chloroethane	ND	1.0	EPA 8260D	12-12-19	12-12-19	
Trichlorofluoromethane	ND	0.20	EPA 8260D	12-12-19	12-12-19	
1,1-Dichloroethene	ND	0.20	EPA 8260D	12-12-19	12-12-19	
Iodomethane	ND	2.3	EPA 8260D	12-12-19	12-12-19	
Methylene Chloride	ND	1.0	EPA 8260D	12-12-19	12-12-19	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260D	12-12-19	12-12-19	
1,1-Dichloroethane	ND	0.20	EPA 8260D	12-12-19	12-12-19	
2,2-Dichloropropane	ND	0.20	EPA 8260D	12-12-19	12-12-19	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260D	12-12-19	12-12-19	
Bromochloromethane	ND	0.20	EPA 8260D	12-12-19	12-12-19	
Chloroform	6.1	0.20	EPA 8260D	12-12-19	12-12-19	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	12-12-19	12-12-19	
Carbon Tetrachloride	ND	0.20	EPA 8260D	12-12-19	12-12-19	
1,1-Dichloropropene	ND	0.20	EPA 8260D	12-12-19	12-12-19	
1,2-Dichloroethane	ND	0.20	EPA 8260D	12-12-19	12-12-19	
Trichloroethene	ND	0.20	EPA 8260D	12-12-19	12-12-19	
1,2-Dichloropropane	ND	0.20	EPA 8260D	12-12-19	12-12-19	
Dibromomethane	ND	0.20	EPA 8260D	12-12-19	12-12-19	
Bromodichloromethane	ND	0.20	EPA 8260D	12-12-19	12-12-19	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260D	12-12-19	12-12-19	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	12-12-19	12-12-19	
(trans) 1,3-Dichloropropene	e ND	0.20	EPA 8260D	12-12-19	12-12-19	

Laboratory Reference: 1912-108

Project: 060172

VOLATILE ORGANICS EPA 8260D

page 2 of 2

				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	Concrete Slurry-1					
Laboratory ID:	12-108-01					
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	12-12-19	12-12-19	
Tetrachloroethene	ND	0.20	EPA 8260D	12-12-19	12-12-19	
1,3-Dichloropropane	ND	0.20	EPA 8260D	12-12-19	12-12-19	
Dibromochloromethane	ND	0.20	EPA 8260D	12-12-19	12-12-19	
1,2-Dibromoethane	ND	0.20	EPA 8260D	12-12-19	12-12-19	
Chlorobenzene	ND	0.20	EPA 8260D	12-12-19	12-12-19	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	12-12-19	12-12-19	
Bromoform	ND	1.0	EPA 8260D	12-12-19	12-12-19	
Bromobenzene	ND	0.20	EPA 8260D	12-12-19	12-12-19	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	12-12-19	12-12-19	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	12-12-19	12-12-19	
2-Chlorotoluene	ND	0.20	EPA 8260D	12-12-19	12-12-19	
4-Chlorotoluene	ND	0.20	EPA 8260D	12-12-19	12-12-19	
1,3-Dichlorobenzene	ND	0.20	EPA 8260D	12-12-19	12-12-19	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	12-12-19	12-12-19	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	12-12-19	12-12-19	
1,2-Dibromo-3-chloropropane	e ND	1.0	EPA 8260D	12-12-19	12-12-19	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260D	12-12-19	12-12-19	
Hexachlorobutadiene	ND	1.0	EPA 8260D	12-12-19	12-12-19	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260D	12-12-19	12-12-19	
Surrogate:	Percent Recovery	Control Limits	_	_		
Dibromofluoromethane	83	75-127				
Toluene-d8	93	80-127				

Surrogate:	Percent Recovery	Control Limit
Dibromofluoromethane	83	75-127
Toluene-d8	93	80-127
4-Bromofluorobenzene	97	78-125



Laboratory Reference: 1912-108

Project: 060172

VOLATILE ORGANICS EPA 8260D QUALITY CONTROL

page 1 of 2

Matrix: Water Units: ug/L

			Date	Date	
Result	PQL	Method	Prepared	Analyzed	Flags
MB1212W1					
ND	0.20	EPA 8260D	12-12-19	12-12-19	
ND	1.0	EPA 8260D	12-12-19	12-12-19	
ND	0.20	EPA 8260D	12-12-19	12-12-19	
ND	0.48	EPA 8260D	12-12-19	12-12-19	
ND	1.0	EPA 8260D	12-12-19	12-12-19	
ND	0.20	EPA 8260D	12-12-19	12-12-19	
ND	0.20	EPA 8260D	12-12-19	12-12-19	
ND	2.3	EPA 8260D	12-12-19	12-12-19	
ND	1.0	EPA 8260D	12-12-19	12-12-19	
ND	0.20	EPA 8260D	12-12-19	12-12-19	
ND	0.20	EPA 8260D	12-12-19	12-12-19	
ND	0.20	EPA 8260D	12-12-19	12-12-19	
ND	0.20	EPA 8260D	12-12-19	12-12-19	
ND	0.20	EPA 8260D	12-12-19	12-12-19	
ND	0.20	EPA 8260D	12-12-19	12-12-19	
ND	0.20	EPA 8260D	12-12-19	12-12-19	
ND	0.20	EPA 8260D	12-12-19	12-12-19	
ND	0.20	EPA 8260D	12-12-19	12-12-19	
ND	0.20	EPA 8260D	12-12-19	12-12-19	
ND	0.20	EPA 8260D	12-12-19	12-12-19	
ND	0.20	EPA 8260D	12-12-19	12-12-19	
ND	0.20	EPA 8260D	12-12-19	12-12-19	
ND	0.20	EPA 8260D	12-12-19	12-12-19	
ND	1.0	EPA 8260D	12-12-19	12-12-19	
ND	0.20	EPA 8260D	12-12-19	12-12-19	
ND	0.20	EPA 8260D	12-12-19	12-12-19	
	MB1212W1 ND	MB1212W1 ND	MB1212W1 ND 0.20 EPA 8260D ND 1.0 EPA 8260D ND 0.20 EPA 8260D ND 0.48 EPA 8260D ND 1.0 EPA 8260D ND 0.20 EPA 8260D ND 0.20 EPA 8260D ND 2.3 EPA 8260D ND 1.0 EPA 8260D ND 1.0 EPA 8260D ND 0.20 EPA 8	Result PQL Method Prepared MB1212W1 ND 0.20 EPA 8260D 12-12-19 ND 1.0 EPA 8260D 12-12-19 ND 0.20 EPA 8260D 12-12-19 ND 0.48 EPA 8260D 12-12-19 ND 1.0 EPA 8260D 12-12-19 ND 0.20 EPA 8260D 12-12-19 ND 0.20 EPA 8260D 12-12-19 ND 0.20 EPA 8260D 12-12-19 ND 1.0 EPA 8260D 12-12-19 ND 1.0 EPA 8260D 12-12-19 ND 0.20 EPA 8260D	Result PQL Method Prepared Analyzed MB1212W1 ND 0.20 EPA 8260D 12-12-19 12-12-19 ND 1.0 EPA 8260D 12-12-19 12-12-19 ND 0.20 EPA 8260D 12-12-19 12-12-19 ND 0.48 EPA 8260D 12-12-19 12-12-19 ND 1.0 EPA 8260D 12-12-19 12-12-19 ND 1.0 EPA 8260D 12-12-19 12-12-19 ND 0.20 EPA 8260D 12-12-19 12-12-19 ND 0.20 EPA 8260D 12-12-19 12-12-19 ND 0.20 EPA 8260D 12-12-19 12-12-19 ND 1.0 EPA 8260D 12-12-19 12-12-19 ND 0.20 EPA 8260D 12-12-19 12-12-19 ND 0.20 EPA 8260D 12-12-19 12-12-19 ND 0.20 EPA 8260D 12-12-19 12-12-19 ND 0.

Laboratory Reference: 1912-108

Project: 060172

VOLATILE ORGANICS EPA 8260D QUALITY CONTROL

page 2 of 2

				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1212W1					
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	12-12-19	12-12-19	
Tetrachloroethene	ND	0.20	EPA 8260D	12-12-19	12-12-19	
1,3-Dichloropropane	ND	0.20	EPA 8260D	12-12-19	12-12-19	
Dibromochloromethane	ND	0.20	EPA 8260D	12-12-19	12-12-19	
1,2-Dibromoethane	ND	0.20	EPA 8260D	12-12-19	12-12-19	
Chlorobenzene	ND	0.20	EPA 8260D	12-12-19	12-12-19	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	12-12-19	12-12-19	
Bromoform	ND	1.0	EPA 8260D	12-12-19	12-12-19	
Bromobenzene	ND	0.20	EPA 8260D	12-12-19	12-12-19	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	12-12-19	12-12-19	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	12-12-19	12-12-19	
2-Chlorotoluene	ND	0.20	EPA 8260D	12-12-19	12-12-19	
4-Chlorotoluene	ND	0.20	EPA 8260D	12-12-19	12-12-19	
1,3-Dichlorobenzene	ND	0.20	EPA 8260D	12-12-19	12-12-19	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	12-12-19	12-12-19	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	12-12-19	12-12-19	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260D	12-12-19	12-12-19	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260D	12-12-19	12-12-19	
Hexachlorobutadiene	ND	1.0	EPA 8260D	12-12-19	12-12-19	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260D	12-12-19	12-12-19	
Surrogate:	Percent Recovery	Control Limits				
Dibromofluoromethane	85	75-127				
Toluene-d8	95	80-127				

Laboratory Reference: 1912-108

Project: 060172

VOLATILE ORGANICS EPA 8260D QUALITY CONTROL

Matrix: Water Units: ug/L

					Per	cent	Recovery		RPD		
Analyte	Res	sult	Spike	Level	Rec	Recovery		RPD	Limit	Flags	
SPIKE BLANKS											
Laboratory ID:	SB12	12W1									
	SB	SBD	SB	SBD	SB	SBD					
1,1-Dichloroethene	8.96	8.91	10.0	10.0	90	89	63-130	1	17		
Benzene	8.95	8.97	10.0	10.0	90	90	76-125	0	19		
Trichloroethene	9.65	9.80	10.0	10.0	97	98	76-121	2	18		
Toluene	9.61	9.59	10.0	10.0	96	96	80-124	0	18		
Chlorobenzene	9.80	9.81	10.0	10.0	98	98	75-120	0	19		
Surrogate:											
Dibromofluoromethane					85	85	75-127				
Toluene-d8					95	95	80-127				
4-Bromofluorobenzene					98	100	78-125				

Laboratory Reference: 1912-108

Project: 060172

pH SM 4500-H B

Matrix: Water

Units: pH (@ 25°C)

			Date	Date	
Analyte	Result	Method	Prepared	Analyzed	Flags
Client ID:	Concrete Slurry-1				
Laboratory ID:	12-108-01				
рН	12.7	SM 4500-H B	12-12-19	12-12-19	



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.
- 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.

7 -

ND - Not Detected at PQL

PQL - Practical Quantitation Limit

RPD - Relative Percent Difference





Chain of Custody

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Page _ l of _
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Reviewed/Date	Received	Relinquished	Received	Relinquished	Received	Relinquished				Concrete	Lab ID	sampled by:	Delia Massey	Spic N Span	241090	Aspect (
			Mary Lynn	# 1 4	# 14	M Block	Signature			Slurry-1	Sample Identification	Bhuck	CY & JETEMY POTTET	5	(Consulting	Phone: (425) 883-3881 • www.onsite-env.com
Reviewed/Date			E 300 1	Mesk	Sheek	Aspects	Company			12/12/14/0815 1	Date Time Sampled Sampled	(other)		Standard (7 Days)	2 Days	Same Day	(Check One)
				a R	12-					Witer 3	Matrix Numb		ontain	ers	3 Days	1 Day	
		-	2 2 2	Wiel 6	12/12/1951	12/12/19 09	Date Time				NWTP NWTP NWTP	H-Gx H-Dx (☐ Acid	/ SG CI	ean-up)		
Chroma	Data Pa		8	2150	1.48A	0950 only	2				EDB E	PA 801 olatiles	1 (Wate 8270D el PAHs)		
atograms with final r	Package: Standard					2 vais	Comments/Special Instructions				Organo	ochlori	horus F	icides 8 Pesticide	es 8270	D/SIM	
eport Electronic Da	☐ Level III ☐ Lev					Submitted, I von b	ions				Total F	TCA N	Metals Metals	1664A			
Chromatograms with final report Electronic Data Deliverables (EDDs)	Level IV					broke.				×	HVC PH		PPE	3			
											% Mois	sture					



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

December 18, 2020

Jeremy Porter Aspect Consulting Dexter Horton Building 710 2nd Avenue, Suit 550 Seattle, WA 98104

Re: Analytical Data for Project 060172

Laboratory Reference No. 2012-186

Dear Jeremy:

Enclosed are the analytical results and associated quality control data for samples submitted on December 17, 2020.

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,

David Baumeister Project Manager

Enclosures



Laboratory Reference: 2012-186

Project: 060172

Case Narrative

Samples were collected on December 17, 2020 and received by the laboratory on December 17, 2020. 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.

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.

Laboratory Reference: 2012-186

Project: 060172

VOLATILE ORGANICS EPA 8260D

page 1 of 2

Matrix: Soil Units: mg/kg

Analysis	Pagult.	PQL	Mathad	Date	Date	Elogo
Analyte Client ID:	Result SS-12	PQL	Method	Prepared	Analyzed	Flags
	12-186-01					
Laboratory ID: Dichlorodifluoromethane	ND	0.00068	EPA 8260D	12-17-20	12-17-20	
Chloromethane	ND ND	0.0008	EPA 8260D EPA 8260D	12-17-20	12-17-20	
	ND ND	0.0034	EPA 8260D	12-17-20	12-17-20	
Vinyl Chloride Bromomethane	ND ND	0.0008	EPA 8260D	12-17-20	12-17-20	
Chloroethane				12-17-20	12-17-20	
Trichlorofluoromethane	ND ND	0.0034 0.00068	EPA 8260D EPA 8260D	12-17-20 12-17-20	12-17-20	
	ND ND		EPA 8260D EPA 8260D	12-17-20 12-17-20	12-17-20	
1,1-Dichloroethene		0.00068				
Acetone	ND	0.0068	EPA 8260D	12-17-20	12-17-20	
lodomethane	ND	0.0034	EPA 8260D	12-17-20	12-17-20	
Carbon Disulfide	ND	0.00068	EPA 8260D	12-17-20	12-17-20	
Methylene Chloride	ND	0.0034	EPA 8260D	12-17-20	12-17-20	
(trans) 1,2-Dichloroethene	ND	0.00068	EPA 8260D	12-17-20	12-17-20	
Methyl t-Butyl Ether	ND	0.00068	EPA 8260D	12-17-20	12-17-20	
1,1-Dichloroethane	ND	0.00068	EPA 8260D	12-17-20	12-17-20	
Vinyl Acetate	ND	0.0034	EPA 8260D	12-17-20	12-17-20	
2,2-Dichloropropane	ND	0.00068	EPA 8260D	12-17-20	12-17-20	
(cis) 1,2-Dichloroethene	ND	0.00068	EPA 8260D	12-17-20	12-17-20	
2-Butanone	0.0079	0.0034	EPA 8260D	12-17-20	12-17-20	
Bromochloromethane	ND	0.00068	EPA 8260D	12-17-20	12-17-20	
Chloroform	ND	0.00068	EPA 8260D	12-17-20	12-17-20	
1,1,1-Trichloroethane	ND	0.00068	EPA 8260D	12-17-20	12-17-20	
Carbon Tetrachloride	ND	0.00068	EPA 8260D	12-17-20	12-17-20	
1,1-Dichloropropene	ND	0.00068	EPA 8260D	12-17-20	12-17-20	
Benzene	ND	0.00068	EPA 8260D	12-17-20	12-17-20	
1,2-Dichloroethane	ND	0.00068	EPA 8260D	12-17-20	12-17-20	
Trichloroethene	ND	0.00068	EPA 8260D	12-17-20	12-17-20	
1,2-Dichloropropane	ND	0.00068	EPA 8260D	12-17-20	12-17-20	
Dibromomethane	ND	0.00068	EPA 8260D	12-17-20	12-17-20	
Bromodichloromethane	ND	0.00068	EPA 8260D	12-17-20	12-17-20	
2-Chloroethyl Vinyl Ether	ND	0.0034	EPA 8260D	12-17-20	12-17-20	
(cis) 1,3-Dichloropropene	ND	0.00068	EPA 8260D	12-17-20	12-17-20	
Methyl Isobutyl Ketone	ND	0.0034	EPA 8260D	12-17-20	12-17-20	
Toluene	ND	0.0034	EPA 8260D	12-17-20	12-17-20	
(trans) 1,3-Dichloropropene	ND	0.00068	EPA 8260D	12-17-20	12-17-20	

Laboratory Reference: 2012-186

Project: 060172

VOLATILE ORGANICS EPA 8260D

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				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	SS-12					
Laboratory ID:	12-186-01					
1,1,2-Trichloroethane	ND	0.00068	EPA 8260D	12-17-20	12-17-20	,
Tetrachloroethene	ND	0.00068	EPA 8260D	12-17-20	12-17-20	
1,3-Dichloropropane	ND	0.00068	EPA 8260D	12-17-20	12-17-20	
2-Hexanone	ND	0.0034	EPA 8260D	12-17-20	12-17-20	
Dibromochloromethane	ND	0.00068	EPA 8260D	12-17-20	12-17-20	
1,2-Dibromoethane	ND	0.00068	EPA 8260D	12-17-20	12-17-20	
Chlorobenzene	ND	0.00068	EPA 8260D	12-17-20	12-17-20	
1,1,1,2-Tetrachloroethane	ND	0.00068	EPA 8260D	12-17-20	12-17-20	
Ethylbenzene	ND	0.00068	EPA 8260D	12-17-20	12-17-20	
m,p-Xylene	ND	0.0014	EPA 8260D	12-17-20	12-17-20	
o-Xylene	ND	0.00068	EPA 8260D	12-17-20	12-17-20	
Styrene	ND	0.00068	EPA 8260D	12-17-20	12-17-20	
Bromoform	ND	0.0034	EPA 8260D	12-17-20	12-17-20	
Isopropylbenzene	ND	0.00068	EPA 8260D	12-17-20	12-17-20	
Bromobenzene	ND	0.00068	EPA 8260D	12-17-20	12-17-20	
1,1,2,2-Tetrachloroethane	ND	0.00068	EPA 8260D	12-17-20	12-17-20	
1,2,3-Trichloropropane	ND	0.00068	EPA 8260D	12-17-20	12-17-20	
n-Propylbenzene	ND	0.00068	EPA 8260D	12-17-20	12-17-20	
2-Chlorotoluene	ND	0.00068	EPA 8260D	12-17-20	12-17-20	
4-Chlorotoluene	ND	0.00068	EPA 8260D	12-17-20	12-17-20	
1,3,5-Trimethylbenzene	ND	0.00068	EPA 8260D	12-17-20	12-17-20	
tert-Butylbenzene	ND	0.00068	EPA 8260D	12-17-20	12-17-20	
1,2,4-Trimethylbenzene	ND	0.00068	EPA 8260D	12-17-20	12-17-20	
sec-Butylbenzene	ND	0.00068	EPA 8260D	12-17-20	12-17-20	
1,3-Dichlorobenzene	ND	0.00068	EPA 8260D	12-17-20	12-17-20	
p-Isopropyltoluene	ND	0.00068	EPA 8260D	12-17-20	12-17-20	
1,4-Dichlorobenzene	ND	0.00068	EPA 8260D	12-17-20	12-17-20	
1,2-Dichlorobenzene	ND	0.00068	EPA 8260D	12-17-20	12-17-20	
n-Butylbenzene	ND	0.00068	EPA 8260D	12-17-20	12-17-20	
1,2-Dibromo-3-chloropropane	ND	0.0034	EPA 8260D	12-17-20	12-17-20	
1,2,4-Trichlorobenzene	ND	0.00068	EPA 8260D	12-17-20	12-17-20	
Hexachlorobutadiene	ND	0.0034	EPA 8260D	12-17-20	12-17-20	
Naphthalene	ND	0.0043	EPA 8260D	12-17-20	12-17-20	
1,2,3-Trichlorobenzene	ND	0.00068	EPA 8260D	12-17-20	12-17-20	
Surrogate:	Percent Recovery	Control Limits				
Dibromofluoromethane	101	74-131				
Toluene-d8	104	78-128				

4-Bromofluorobenzene

71-130

103

Laboratory Reference: 2012-186

Project: 060172

VOLATILE ORGANICS EPA 8260D QUALITY CONTROL

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Matrix: Soil Units: mg/kg

				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1217S2					
Dichlorodifluoromethane	ND	0.0010	EPA 8260D	12-17-20	12-17-20	
Chloromethane	ND	0.0050	EPA 8260D	12-17-20	12-17-20	
Vinyl Chloride	ND	0.0010	EPA 8260D	12-17-20	12-17-20	
Bromomethane	ND	0.0050	EPA 8260D	12-17-20	12-17-20	
Chloroethane	ND	0.0050	EPA 8260D	12-17-20	12-17-20	
Trichlorofluoromethane	ND	0.0010	EPA 8260D	12-17-20	12-17-20	
1,1-Dichloroethene	ND	0.0010	EPA 8260D	12-17-20	12-17-20	
Acetone	ND	0.010	EPA 8260D	12-17-20	12-17-20	
lodomethane	ND	0.0050	EPA 8260D	12-17-20	12-17-20	
Carbon Disulfide	ND	0.0010	EPA 8260D	12-17-20	12-17-20	
Methylene Chloride	ND	0.0050	EPA 8260D	12-17-20	12-17-20	
(trans) 1,2-Dichloroethene	ND	0.0010	EPA 8260D	12-17-20	12-17-20	
Methyl t-Butyl Ether	ND	0.0010	EPA 8260D	12-17-20	12-17-20	
1,1-Dichloroethane	ND	0.0010	EPA 8260D	12-17-20	12-17-20	
Vinyl Acetate	ND	0.0050	EPA 8260D	12-17-20	12-17-20	
2,2-Dichloropropane	ND	0.0010	EPA 8260D	12-17-20	12-17-20	
(cis) 1,2-Dichloroethene	ND	0.0010	EPA 8260D	12-17-20	12-17-20	
2-Butanone	ND	0.0050	EPA 8260D	12-17-20	12-17-20	
Bromochloromethane	ND	0.0010	EPA 8260D	12-17-20	12-17-20	
Chloroform	ND	0.0010	EPA 8260D	12-17-20	12-17-20	
1,1,1-Trichloroethane	ND	0.0010	EPA 8260D	12-17-20	12-17-20	
Carbon Tetrachloride	ND	0.0010	EPA 8260D	12-17-20	12-17-20	
1,1-Dichloropropene	ND	0.0010	EPA 8260D	12-17-20	12-17-20	
Benzene	ND	0.0010	EPA 8260D	12-17-20	12-17-20	
1,2-Dichloroethane	ND	0.0010	EPA 8260D	12-17-20	12-17-20	
Trichloroethene	ND	0.0010	EPA 8260D	12-17-20	12-17-20	
1,2-Dichloropropane	ND	0.0010	EPA 8260D	12-17-20	12-17-20	
Dibromomethane	ND	0.0010	EPA 8260D	12-17-20	12-17-20	
Bromodichloromethane	ND	0.0010	EPA 8260D	12-17-20	12-17-20	
2-Chloroethyl Vinyl Ether	ND	0.0050	EPA 8260D	12-17-20	12-17-20	
(cis) 1,3-Dichloropropene	ND	0.0010	EPA 8260D	12-17-20	12-17-20	
Methyl Isobutyl Ketone	ND	0.0050	EPA 8260D	12-17-20	12-17-20	
Toluene	ND	0.0050	EPA 8260D	12-17-20	12-17-20	
(trans) 1,3-Dichloropropene	ND	0.0010	EPA 8260D	12-17-20	12-17-20	

Laboratory Reference: 2012-186

Project: 060172

VOLATILE ORGANICS EPA 8260D QUALITY CONTROL

page 2 of 2

METHOD BLANK Laboratory ID: MB1217S2 1.1,2-Trichloroethane ND 0.0010 EPA 8260D 12-17-20 12-17-20 12-17-20 13-Dichloropropane ND 0.0010 EPA 8260D 12-17-20 12-17-20 12-17-20 13-Dichloropropane ND 0.0050 EPA 8260D 12-17-20					Date	Date	
Laboratory ID: MB121782	Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
1,1,2-Trichloroethane	METHOD BLANK						
Tetrachloroethene ND 0.0010 EPA 8260D 12-17-20 12-17-20 1.5-Dichloropropane ND 0.0010 EPA 8260D 12-17-20 12-17-20 12-17-20 12-17-20 12-16-20 12-16-20 12-16-20 12-16-20 12-17-	Laboratory ID:	MB1217S2					
1,3-Dichloropropane ND 0.0010 EPA 8260D 12-17-20 12-17-20 2-Hexanone ND 0.0050 EPA 8260D 12-17-20 12-1	1,1,2-Trichloroethane	ND	0.0010	EPA 8260D	12-17-20	12-17-20	
2-Hexanone	Tetrachloroethene	ND	0.0010	EPA 8260D	12-17-20	12-17-20	
Dibromochloromethane	1,3-Dichloropropane	ND	0.0010	EPA 8260D	12-17-20	12-17-20	
1,2-Dibromoethane	2-Hexanone	ND	0.0050	EPA 8260D	12-17-20	12-17-20	
Chlorobenzene	Dibromochloromethane	ND	0.0010	EPA 8260D	12-17-20	12-17-20	
1,1,1,2-Tetrachloroethane	1,2-Dibromoethane	ND	0.0010	EPA 8260D	12-17-20	12-17-20	
Ethylbenzene	Chlorobenzene	ND	0.0010	EPA 8260D	12-17-20	12-17-20	
m.pXylene ND 0.0020 EPA 8260D 12-17-20 12-17-20 o-Xylene ND 0.0010 EPA 8260D 12-17-20 12-17-20 Styrene ND 0.0010 EPA 8260D 12-17-20 12-17-20 Bromoform ND 0.0050 EPA 8260D 12-17-20 12-17-20 Isopropylbenzene ND 0.0010 EPA 8260D 12-17-20 12-17-20 Bromobenzene ND 0.0010 EPA 8260D 12-17-20 12-17-20 1,1,2,2-Tetrachloroethane ND 0.0010 EPA 8260D 12-17-20 12-17-20 1,1,2,2-Tetrachloropropane ND 0.0010 EPA 8260D 12-17-20 12-17-20 1,1,2,2-Trichloropropane ND 0.0010 EPA 8260D 12-17-20 12-17-20 1,2,3-Trichloropropane ND 0.0010 EPA 8260D 12-17-20 12-17-20 1-Propylbenzene ND 0.0010 EPA 8260D 12-17-20 12-17-20 2-Chlorotoluene ND 0.0010 EPA 8260D </td <td>1,1,1,2-Tetrachloroethane</td> <td>ND</td> <td>0.0010</td> <td>EPA 8260D</td> <td>12-17-20</td> <td>12-17-20</td> <td></td>	1,1,1,2-Tetrachloroethane	ND	0.0010	EPA 8260D	12-17-20	12-17-20	
o-Xylene ND 0.0010 EPA 8260D 12-17-20 12-17-20 Styrene ND 0.0010 EPA 8260D 12-17-20 12-17-20 Bromoform ND 0.0050 EPA 8260D 12-17-20 12-17-20 Isopropylbenzene ND 0.0010 EPA 8260D 12-17-20 12-17-20 Bromobenzene ND 0.0010 EPA 8260D 12-17-20 12-17-20 Bromobenzene ND 0.0010 EPA 8260D 12-17-20 12-17-20 1,1,2,2-Tetrachloroethane ND 0.0010 EPA 8260D 12-17-20 12-17-20 1,2,3-Trichloropropane ND 0.0010 EPA 8260D 12-17-20 12-17-20 1,2,3-Trichlorobrane ND 0.0010 EPA 8260D 12-17-20 12-17-20 2-Chlorotoluene ND 0.0010 EPA 8260D 12-17-20 12-17-20 4-Chlorotoluene ND 0.0010 EPA 8260D 12-17-20 12-17-20 1,3-5-Trimethylbenzene ND 0.0010 EPA 8260D	Ethylbenzene	ND	0.0010	EPA 8260D	12-17-20	12-17-20	
Styrene ND 0.0010 EPA 8260D 12-17-20 12-17-	m,p-Xylene	ND	0.0020	EPA 8260D	12-17-20	12-17-20	
Bromoform ND 0.0050 EPA 8260D 12-17-20 12-1		ND	0.0010	EPA 8260D	12-17-20	12-17-20	
Supropylbenzene ND	Styrene	ND	0.0010	EPA 8260D	12-17-20	12-17-20	
Bromobenzene ND 0.0010 EPA 8260D 12-17-20 12-17-20 1,1,2,2-Tetrachloroethane ND 0.0010 EPA 8260D 12-17-20 12-17-20 1,1,2,3-Trichloropropane ND 0.0010 EPA 8260D 12-17-20 12-1	Bromoform	ND	0.0050	EPA 8260D	12-17-20	12-17-20	
1,1,2,2-Tetrachloroethane ND 0.0010 EPA 8260D 12-17-20 12-17-20 1,2,3-Trichloropropane ND 0.0010 EPA 8260D 12-17-20 12-17-20 n-Propylbenzene ND 0.0010 EPA 8260D 12-17-20 12-17-20 2-Chlorotoluene ND 0.0010 EPA 8260D 12-17-20 12-17-20 4-Chlorotoluene ND 0.0010 EPA 8260D 12-17-20 12-17-20 1,3,5-Trimethylbenzene ND 0.0010 EPA 8260D 12-17-20 12-17-20 1cert-Butylbenzene ND 0.0010 EPA 8260D 12-17-20 12-17-20 1cert-Butylbenzene ND 0.0010 EPA 8260D 12-17-20 12-17-20 1,3-Dichlorobenzene ND 0.0010 EPA 8260D 12-17-20 12-17-20 1,3-Dichlorobenzene	Isopropylbenzene	ND	0.0010	EPA 8260D	12-17-20	12-17-20	
1,2,3-Trichloropropane	Bromobenzene	ND	0.0010	EPA 8260D	12-17-20	12-17-20	
N-Propylbenzene ND	1,1,2,2-Tetrachloroethane	ND	0.0010	EPA 8260D	12-17-20	12-17-20	
2-Chlorotoluene	1,2,3-Trichloropropane	ND	0.0010	EPA 8260D	12-17-20	12-17-20	
4-Chlorotoluene ND 0.0010 EPA 8260D 12-17-20 12-	n-Propylbenzene	ND	0.0010	EPA 8260D	12-17-20	12-17-20	
1,3,5-Trimethylbenzene	2-Chlorotoluene	ND	0.0010	EPA 8260D	12-17-20	12-17-20	
tert-Butylbenzene ND 0.0010 EPA 8260D 12-17-20 12-17-20 1,2,4-Trimethylbenzene ND 0.0010 EPA 8260D 12-17-20 12-17-20 sec-Butylbenzene ND 0.0010 EPA 8260D 12-17-20 12-17-20 1,3-Dichlorobenzene ND 0.0010 EPA 8260D 12-17-20 12-17-20 1,4-Dichlorobenzene ND 0.0010 EPA 8260D 12-17-20 12-17-20 1,4-Dichlorobenzene ND 0.0010 EPA 8260D 12-17-20 12-17-20 1,2-Dichlorobenzene ND 0.0010 EPA 8260D 12-17-20 12-17-20 1,2-Dichlorobenzene ND 0.0010 EPA 8260D 12-17-20 12-17-20 1,2-Dibromo-3-chloropropane ND 0.0050 EPA 8260D 12-17-20 12-17-20 1,2,4-Trichlorobenzene ND 0.0010 EPA 8260D 12-17-20 12-17-20 Hexachlorobutadiene ND 0.0050 EPA 8260D 12-17-20 12-17-20 ND 0.0063 E	4-Chlorotoluene	ND	0.0010	EPA 8260D	12-17-20	12-17-20	
1,2,4-Trimethylbenzene ND 0.0010 EPA 8260D 12-17-20 12-17-20 sec-Butylbenzene ND 0.0010 EPA 8260D 12-17-20 12-17-20 1,3-Dichlorobenzene ND 0.0010 EPA 8260D 12-17-20 12-17-20 p-Isopropyltoluene ND 0.0010 EPA 8260D 12-17-20 12-17-20 1,4-Dichlorobenzene ND 0.0010 EPA 8260D 12-17-20 12-17-20 1,2-Dichlorobenzene ND 0.0010 EPA 8260D 12-17-20 12-17-20 n-Butylbenzene ND 0.0010 EPA 8260D 12-17-20 12-17-20 1,2-Dibromo-3-chloropropane ND 0.0050 EPA 8260D 12-17-20 12-17-20 1,2,4-Trichlorobenzene ND 0.0010 EPA 8260D 12-17-20 12-17-20 Hexachlorobutadiene ND 0.0050 EPA 8260D 12-17-20 12-17-20 Naphthalene ND 0.0063 EPA 8260D 12-17-20 12-17-20 1,2,3-Trichlorobenzene ND 0.0010 EPA 8260D 12-17-20 12-17-20 Surrogate:<	1,3,5-Trimethylbenzene	ND	0.0010	EPA 8260D	12-17-20	12-17-20	
sec-Butylbenzene ND 0.0010 EPA 8260D 12-17-20 12-17-20 1,3-Dichlorobenzene ND 0.0010 EPA 8260D 12-17-20 12-17-20 p-Isopropyltoluene ND 0.0010 EPA 8260D 12-17-20 12-17-20 1,4-Dichlorobenzene ND 0.0010 EPA 8260D 12-17-20 12-17-20 1,2-Dichlorobenzene ND 0.0010 EPA 8260D 12-17-20 12-17-20 n-Butylbenzene ND 0.0010 EPA 8260D 12-17-20 12-17-20 1,2-Dibromo-3-chloropropane ND 0.0050 EPA 8260D 12-17-20 12-17-20 1,2,4-Trichlorobenzene ND 0.0010 EPA 8260D 12-17-20 12-17-20 Hexachlorobutadiene ND 0.0050 EPA 8260D 12-17-20 12-17-20 Naphthalene ND 0.0063 EPA 8260D 12-17-20 12-17-20 1,2,3-Trichlorobenzene ND 0.0010 EPA 8260D 12-17-20 12-17-20 Surrogate: Percent Recovery	tert-Butylbenzene	ND	0.0010	EPA 8260D	12-17-20	12-17-20	
1,3-Dichlorobenzene ND 0.0010 EPA 8260D 12-17-20 12-17-20 p-Isopropyltoluene ND 0.0010 EPA 8260D 12-17-20 12-17-20 1,4-Dichlorobenzene ND 0.0010 EPA 8260D 12-17-20 12-17-20 1,2-Dichlorobenzene ND 0.0010 EPA 8260D 12-17-20 12-17-20 n-Butylbenzene ND 0.0010 EPA 8260D 12-17-20 12-17-20 1,2-Dibromo-3-chloropropane ND 0.0050 EPA 8260D 12-17-20 12-17-20 1,2,4-Trichlorobenzene ND 0.0010 EPA 8260D 12-17-20 12-17-20 Hexachlorobutadiene ND 0.0050 EPA 8260D 12-17-20 12-17-20 Naphthalene ND 0.0063 EPA 8260D 12-17-20 12-17-20 1,2,3-Trichlorobenzene ND 0.0010 EPA 8260D 12-17-20 12-17-20 Surrogate: Percent Recovery Control Limits Dibromofluoromethane 107 74-131 Toluene-d8	1,2,4-Trimethylbenzene	ND	0.0010	EPA 8260D	12-17-20	12-17-20	
P-Isopropyltoluene	sec-Butylbenzene	ND	0.0010	EPA 8260D	12-17-20	12-17-20	
1,4-Dichlorobenzene ND 0.0010 EPA 8260D 12-17-20 12-17-20 1,2-Dichlorobenzene ND 0.0010 EPA 8260D 12-17-20 12-17-20 n-Butylbenzene ND 0.0010 EPA 8260D 12-17-20 12-17-20 1,2-Dibromo-3-chloropropane ND 0.0050 EPA 8260D 12-17-20 12-17-20 1,2,4-Trichlorobenzene ND 0.0010 EPA 8260D 12-17-20 12-17-20 Hexachlorobutadiene ND 0.0050 EPA 8260D 12-17-20 12-17-20 Naphthalene ND 0.0063 EPA 8260D 12-17-20 12-17-20 1,2,3-Trichlorobenzene ND 0.0010 EPA 8260D 12-17-20 12-17-20 Surrogate: Percent Recovery Control Limits Dibromofluoromethane 107 74-131 Toluene-d8 108 78-128	1,3-Dichlorobenzene	ND	0.0010	EPA 8260D	12-17-20	12-17-20	
1,2-Dichlorobenzene ND 0.0010 EPA 8260D 12-17-20 12-17-20 n-Butylbenzene ND 0.0010 EPA 8260D 12-17-20 12-17-20 1,2-Dibromo-3-chloropropane ND 0.0050 EPA 8260D 12-17-20 12-17-20 1,2,4-Trichlorobenzene ND 0.0010 EPA 8260D 12-17-20 12-17-20 Hexachlorobutadiene ND 0.0050 EPA 8260D 12-17-20 12-17-20 Naphthalene ND 0.0063 EPA 8260D 12-17-20 12-17-20 1,2,3-Trichlorobenzene ND 0.0010 EPA 8260D 12-17-20 12-17-20 Surrogate: Percent Recovery Control Limits Dibromofluoromethane 107 74-131 74-131 Toluene-d8 108 78-128	p-Isopropyltoluene	ND	0.0010	EPA 8260D	12-17-20	12-17-20	
ND 0.0010 EPA 8260D 12-17-20 12-17-20 12-17-20 1,2-Dibromo-3-chloropropane ND 0.0050 EPA 8260D 12-17-20 12-1	1,4-Dichlorobenzene	ND	0.0010	EPA 8260D	12-17-20	12-17-20	
1,2-Dibromo-3-chloropropane ND 0.0050 EPA 8260D 12-17-20 12-17-20 1,2,4-Trichlorobenzene ND 0.0010 EPA 8260D 12-17-20 12-17-20 Hexachlorobutadiene ND 0.0050 EPA 8260D 12-17-20 12-17-20 Naphthalene ND 0.0063 EPA 8260D 12-17-20 12-17-20 1,2,3-Trichlorobenzene ND 0.0010 EPA 8260D 12-17-20 12-17-20 Surrogate: Percent Recovery Control Limits Dibromofluoromethane 107 74-131 Toluene-d8 108 78-128	1,2-Dichlorobenzene	ND	0.0010	EPA 8260D	12-17-20	12-17-20	
1,2,4-Trichlorobenzene ND 0.0010 EPA 8260D 12-17-20 12-17-20 Hexachlorobutadiene ND 0.0050 EPA 8260D 12-17-20 12-17-20 Naphthalene ND 0.0063 EPA 8260D 12-17-20 12-17-20 1,2,3-Trichlorobenzene ND 0.0010 EPA 8260D 12-17-20 12-17-20 Surrogate: Percent Recovery Control Limits Dibromofluoromethane 107 74-131 Toluene-d8 108 78-128	n-Butylbenzene	ND	0.0010	EPA 8260D	12-17-20	12-17-20	
Hexachlorobutadiene ND 0.0050 EPA 8260D 12-17-20 12-17-20 Naphthalene ND 0.0063 EPA 8260D 12-17-20 12-17-20 1,2,3-Trichlorobenzene ND 0.0010 EPA 8260D 12-17-20 12-17-20 Surrogate: Percent Recovery Control Limits Dibromofluoromethane 107 74-131 Toluene-d8 108 78-128	-	ND	0.0050	EPA 8260D	12-17-20	12-17-20	
Hexachlorobutadiene ND 0.0050 EPA 8260D 12-17-20 12-17-20 Naphthalene ND 0.0063 EPA 8260D 12-17-20 12-17-20 1,2,3-Trichlorobenzene ND 0.0010 EPA 8260D 12-17-20 12-17-20 Surrogate: Percent Recovery Control Limits Dibromofluoromethane 107 74-131 Toluene-d8 108 78-128	1,2,4-Trichlorobenzene	ND	0.0010	EPA 8260D	12-17-20	12-17-20	
Naphthalene ND 0.0063 EPA 8260D 12-17-20 12-17-20 1,2,3-Trichlorobenzene ND 0.0010 EPA 8260D 12-17-20 12-17-20 Surrogate: Percent Recovery Control Limits Dibromofluoromethane 107 74-131 Toluene-d8 108 78-128	Hexachlorobutadiene	ND	0.0050	EPA 8260D	12-17-20	12-17-20	
1,2,3-Trichlorobenzene ND 0.0010 EPA 8260D 12-17-20 12-17-20 Surrogate: Percent Recovery Control Limits Dibromofluoromethane 107 74-131 Toluene-d8 108 78-128	Naphthalene	ND	0.0063		12-17-20	12-17-20	
Surrogate: Percent Recovery Control Limits Dibromofluoromethane 107 74-131 Toluene-d8 108 78-128	•						
Dibromofluoromethane 107 74-131 Toluene-d8 108 78-128		Percent Recovery	Control Limits				
	_						
	Toluene-d8	108	78-128				
	4-Bromofluorobenzene		71-130				

Laboratory Reference: 2012-186

Project: 060172

VOLATILE ORGANICS EPA 8260D QUALITY CONTROL

Matrix: Soil Units: mg/kg

					Per	cent	Recovery		RPD	
Analyte	Res	sult	Spike	Level	Rece	overy	Limits	RPD	Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB12	17S1								
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	0.0556	0.0521	0.0500	0.0500	111	104	55-126	6	17	
Benzene	0.0522	0.0506	0.0500	0.0500	104	101	65-121	3	16	
Trichloroethene	0.0583	0.0564	0.0500	0.0500	117	113	74-126	3	16	
Toluene	0.0543	0.0521	0.0500	0.0500	109	104	71-121	4	16	
Chlorobenzene	0.0581	0.0569	0.0500	0.0500	116	114	72-123	2	16	
Surrogate:										
Dibromofluoromethane					92	95	74-131			
Toluene-d8					95	93	78-128			
4-Bromofluorobenzene					92	93	71-130			

Laboratory Reference: 2012-186

Project: 060172

% MOISTURE

			Date
Client ID	Lab ID	% Moisture	Analyzed
SS-12	12-186-01	17	12-17-20



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.
- 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.

7 -

ND - Not Detected at PQL

PQL - Practical Quantitation Limit

RPD - Relative Percent Difference





Aspert

12/11/20

appl

Comments/Special Instructions

0451 PC [112

8 ..

Reviewed/Date

Chromatograms with final report

Electronic Data Deliverables (EDDs)

Data Package: Standard

Level

Level IV

Chain of Custody

Page
of

(in working days)	aboratory Number:	12-186
(in working days)	N	12-186

Standard (7 Days)

1706

501

(other)

Number of Containers

NWTPH-Dx (Acid / SG Clean-up)

Halogenated Volatiles 8260C EDB EPA 8011 (Waters Only)

Semivolatiles 8270D/SIM

Organochlorine Pesticides 8081B

Chlorinated Acid Herbicides 8151A

Organophosphorus Pesticides 8270D/SIM

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

Total RCRA Metals

Total MTCA Metals

HEM (oil and grease) 1664A

TCLP Metals

% Moisture

PCBs 8082A

NWTPH-HCID

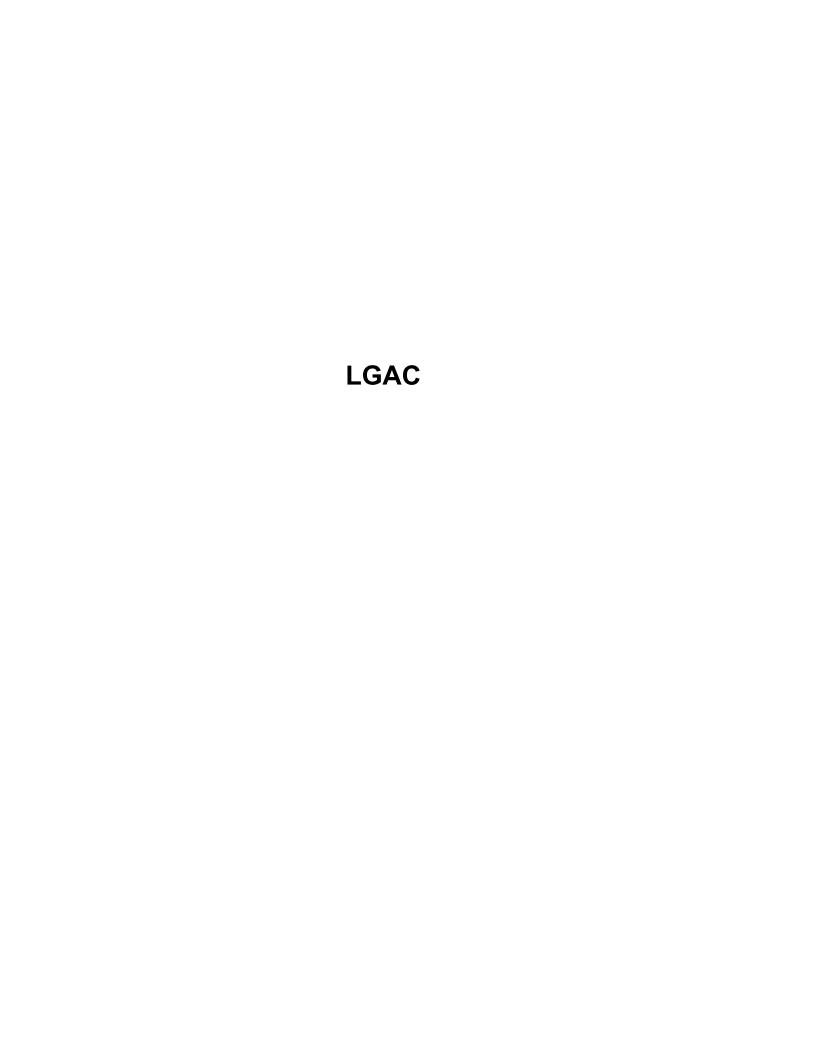
NWTPH-Gx/BTEX

Volatiles 8260C

Same Day

X 1 Day

☐ 3 Days





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

August 31, 2021

Jeremy Porter Aspect Consulting Dexter Horton Building 710 2nd Avenue, Suite 550 Seattle, WA 98104

Re: Analytical Data for Project 060172

Laboratory Reference No. 2108-263

Dear Jeremy:

Enclosed are the analytical results and associated quality control data for samples submitted on August 25, 2021.

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,

David Baumeister Project Manager

Enclosures



Project: 060172

Case Narrative

Samples were collected on August 25, 2021 and received by the laboratory on August 25, 2021. 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.

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.

HEM-Oil and Grease EPA 1664A Analysis

The three samples were made into a composite prior to extraction. The initial volume for this composite was brought up to 1000mL with de-ionized water.

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.

Project: 060172

VOLATILE ORGANICS EPA 8260D

page 1 of 2

				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	LGAC-EFF-1-082521					
Laboratory ID:	08-263-01					
Dichlorodifluoromethane	ND	0.31	EPA 8260D	8-26-21	8-26-21	
Chloromethane	ND	1.0	EPA 8260D	8-26-21	8-26-21	
Vinyl Chloride	ND	0.20	EPA 8260D	8-26-21	8-26-21	
Bromomethane	ND	0.20	EPA 8260D	8-26-21	8-26-21	
Chloroethane	ND	1.0	EPA 8260D	8-26-21	8-26-21	
Trichlorofluoromethane	ND	0.20	EPA 8260D	8-26-21	8-26-21	
1,1-Dichloroethene	ND	0.20	EPA 8260D	8-26-21	8-26-21	
Acetone	ND	5.0	EPA 8260D	8-26-21	8-26-21	
Iodomethane	ND	5.0	EPA 8260D	8-26-21	8-26-21	
Carbon Disulfide	ND	0.20	EPA 8260D	8-26-21	8-26-21	
Methylene Chloride	ND	1.0	EPA 8260D	8-26-21	8-26-21	
(trans) 1,2-Dichloroethene	e ND	0.20	EPA 8260D	8-26-21	8-26-21	
Methyl t-Butyl Ether	ND	0.20	EPA 8260D	8-26-21	8-26-21	
1,1-Dichloroethane	ND	0.20	EPA 8260D	8-26-21	8-26-21	
Vinyl Acetate	ND	1.0	EPA 8260D	8-26-21	8-26-21	
2,2-Dichloropropane	ND	0.20	EPA 8260D	8-26-21	8-26-21	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260D	8-26-21	8-26-21	
2-Butanone	ND	5.0	EPA 8260D	8-26-21	8-26-21	
Bromochloromethane	ND	0.20	EPA 8260D	8-26-21	8-26-21	
Chloroform	ND	0.20	EPA 8260D	8-26-21	8-26-21	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	8-26-21	8-26-21	
Carbon Tetrachloride	ND	0.20	EPA 8260D	8-26-21	8-26-21	
1,1-Dichloropropene	ND	0.20	EPA 8260D	8-26-21	8-26-21	
Benzene	ND	0.20	EPA 8260D	8-26-21	8-26-21	
1,2-Dichloroethane	ND	0.20	EPA 8260D	8-26-21	8-26-21	
Trichloroethene	ND	0.20	EPA 8260D	8-26-21	8-26-21	
1,2-Dichloropropane	ND	0.20	EPA 8260D	8-26-21	8-26-21	
Dibromomethane	ND	0.20	EPA 8260D	8-26-21	8-26-21	
Bromodichloromethane	ND	0.20	EPA 8260D	8-26-21	8-26-21	
2-Chloroethyl Vinyl Ether	ND	1.8	EPA 8260D	8-26-21	8-26-21	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	8-26-21	8-26-21	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260D	8-26-21	8-26-21	
Toluene	ND	1.0	EPA 8260D	8-26-21	8-26-21	
(trans) 1,3-Dichloroproper	ne ND	0.20	EPA 8260D	8-26-21	8-26-21	

Project: 060172

VOLATILE ORGANICS EPA 8260D

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				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	GAC-EFF-1-082521					
Laboratory ID:	08-263-01					
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	8-26-21	8-26-21	
Tetrachloroethene	ND	0.20	EPA 8260D	8-26-21	8-26-21	
1,3-Dichloropropane	ND	0.20	EPA 8260D	8-26-21	8-26-21	
2-Hexanone	ND	2.0	EPA 8260D	8-26-21	8-26-21	
Dibromochloromethane	ND	0.20	EPA 8260D	8-26-21	8-26-21	
1,2-Dibromoethane	ND	0.20	EPA 8260D	8-26-21	8-26-21	
Chlorobenzene	ND	0.20	EPA 8260D	8-26-21	8-26-21	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	8-26-21	8-26-21	
Ethylbenzene	ND	0.20	EPA 8260D	8-26-21	8-26-21	
m,p-Xylene	ND	0.40	EPA 8260D	8-26-21	8-26-21	
o-Xylene	ND	0.20	EPA 8260D	8-26-21	8-26-21	
Styrene	ND	0.20	EPA 8260D	8-26-21	8-26-21	
Bromoform	ND	1.0	EPA 8260D	8-26-21	8-26-21	
Isopropylbenzene	ND	0.20	EPA 8260D	8-26-21	8-26-21	
Bromobenzene	ND	0.20	EPA 8260D	8-26-21	8-26-21	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	8-26-21	8-26-21	
1,2,3-Trichloropropane	ND	0.31	EPA 8260D	8-26-21	8-26-21	
n-Propylbenzene	ND	0.20	EPA 8260D	8-26-21	8-26-21	
2-Chlorotoluene	ND	0.20	EPA 8260D	8-26-21	8-26-21	
4-Chlorotoluene	ND	0.20	EPA 8260D	8-26-21	8-26-21	
1,3,5-Trimethylbenzene	ND	0.20	EPA 8260D	8-26-21	8-26-21	
tert-Butylbenzene	ND	0.20	EPA 8260D	8-26-21	8-26-21	
1,2,4-Trimethylbenzene	ND	0.20	EPA 8260D	8-26-21	8-26-21	
sec-Butylbenzene	ND	0.20	EPA 8260D	8-26-21	8-26-21	
1,3-Dichlorobenzene	ND	0.20	EPA 8260D	8-26-21	8-26-21	
p-Isopropyltoluene	ND	0.20	EPA 8260D	8-26-21	8-26-21	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	8-26-21	8-26-21	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	8-26-21	8-26-21	
n-Butylbenzene	ND	0.20	EPA 8260D	8-26-21	8-26-21	
1,2-Dibromo-3-chloropropan	ne ND	1.3	EPA 8260D	8-26-21	8-26-21	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260D	8-26-21	8-26-21	
Hexachlorobutadiene	ND	1.0	EPA 8260D	8-26-21	8-26-21	
Naphthalene	ND	1.4	EPA 8260D	8-26-21	8-26-21	
1,2,3-Trichlorobenzene	ND	0.25	EPA 8260D	8-26-21	8-26-21	
Surrogate:	Percent Recovery	Control Limits				
Dibromofluoromethane	101	75-127				
T / 10	400	00.407				

Dibromofluoromethane 101 75-127
Toluene-d8 100 80-127
4-Bromofluorobenzene 94 78-125



VOLATILE ORGANICS EPA 8260D

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				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	LGAC-INF-1-082521					
Laboratory ID:	08-263-04					
Dichlorodifluoromethane	ND	0.31	EPA 8260D	8-26-21	8-26-21	·
Chloromethane	ND	1.0	EPA 8260D	8-26-21	8-26-21	
Vinyl Chloride	ND	0.20	EPA 8260D	8-26-21	8-26-21	
Bromomethane	ND	0.20	EPA 8260D	8-26-21	8-26-21	
Chloroethane	ND	1.0	EPA 8260D	8-26-21	8-26-21	
Trichlorofluoromethane	ND	0.20	EPA 8260D	8-26-21	8-26-21	
1,1-Dichloroethene	ND	0.20	EPA 8260D	8-26-21	8-26-21	
Acetone	190	50	EPA 8260D	8-26-21	8-26-21	
lodomethane	ND	5.0	EPA 8260D	8-26-21	8-26-21	
Carbon Disulfide	0.42	0.20	EPA 8260D	8-26-21	8-26-21	Υ
Methylene Chloride	ND	1.0	EPA 8260D	8-26-21	8-26-21	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260D	8-26-21	8-26-21	
Methyl t-Butyl Ether	ND	0.20	EPA 8260D	8-26-21	8-26-21	
1,1-Dichloroethane	ND	0.20	EPA 8260D	8-26-21	8-26-21	
Vinyl Acetate	ND	1.0	EPA 8260D	8-26-21	8-26-21	
2,2-Dichloropropane	ND	0.20	EPA 8260D	8-26-21	8-26-21	
(cis) 1,2-Dichloroethene	2.1	0.20	EPA 8260D	8-26-21	8-26-21	
2-Butanone	25	5.0	EPA 8260D	8-26-21	8-26-21	
Bromochloromethane	ND	0.20	EPA 8260D	8-26-21	8-26-21	
Chloroform	ND	0.20	EPA 8260D	8-26-21	8-26-21	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	8-26-21	8-26-21	
Carbon Tetrachloride	ND	0.20	EPA 8260D	8-26-21	8-26-21	
1,1-Dichloropropene	ND	0.20	EPA 8260D	8-26-21	8-26-21	
Benzene	ND	0.20	EPA 8260D	8-26-21	8-26-21	
1,2-Dichloroethane	0.47	0.20	EPA 8260D	8-26-21	8-26-21	
Trichloroethene	1.8	0.20	EPA 8260D	8-26-21	8-26-21	
1,2-Dichloropropane	ND	0.20	EPA 8260D	8-26-21	8-26-21	
Dibromomethane	ND	0.20	EPA 8260D	8-26-21	8-26-21	
Bromodichloromethane	ND	0.20	EPA 8260D	8-26-21	8-26-21	
2-Chloroethyl Vinyl Ether	ND	1.8	EPA 8260D	8-26-21	8-26-21	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	8-26-21	8-26-21	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260D	8-26-21	8-26-21	
Toluene	ND	1.0	EPA 8260D	8-26-21	8-26-21	
(trans) 1,3-Dichloropropen	e ND	0.20	EPA 8260D	8-26-21	8-26-21	

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				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID: L	GAC-INF-1-082521					
Laboratory ID:	08-263-04					
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	8-26-21	8-26-21	
Tetrachloroethene	24	0.20	EPA 8260D	8-26-21	8-26-21	
1,3-Dichloropropane	ND	0.20	EPA 8260D	8-26-21	8-26-21	
2-Hexanone	ND	2.0	EPA 8260D	8-26-21	8-26-21	
Dibromochloromethane	ND	0.20	EPA 8260D	8-26-21	8-26-21	
1,2-Dibromoethane	ND	0.20	EPA 8260D	8-26-21	8-26-21	
Chlorobenzene	ND	0.20	EPA 8260D	8-26-21	8-26-21	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	8-26-21	8-26-21	
Ethylbenzene	ND	0.20	EPA 8260D	8-26-21	8-26-21	
m,p-Xylene	ND	0.40	EPA 8260D	8-26-21	8-26-21	
o-Xylene	ND	0.20	EPA 8260D	8-26-21	8-26-21	
Styrene	ND	0.20	EPA 8260D	8-26-21	8-26-21	
Bromoform	ND	1.0	EPA 8260D	8-26-21	8-26-21	
Isopropylbenzene	ND	0.20	EPA 8260D	8-26-21	8-26-21	
Bromobenzene	ND	0.20	EPA 8260D	8-26-21	8-26-21	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	8-26-21	8-26-21	
1,2,3-Trichloropropane	ND	0.31	EPA 8260D	8-26-21	8-26-21	
n-Propylbenzene	ND	0.20	EPA 8260D	8-26-21	8-26-21	
2-Chlorotoluene	ND	0.20	EPA 8260D	8-26-21	8-26-21	
4-Chlorotoluene	ND	0.20	EPA 8260D	8-26-21	8-26-21	
1,3,5-Trimethylbenzene	ND	0.20	EPA 8260D	8-26-21	8-26-21	
tert-Butylbenzene	ND	0.20	EPA 8260D	8-26-21	8-26-21	
1,2,4-Trimethylbenzene	0.22	0.20	EPA 8260D	8-26-21	8-26-21	
sec-Butylbenzene	ND	0.20	EPA 8260D	8-26-21	8-26-21	
1,3-Dichlorobenzene	ND	0.20	EPA 8260D	8-26-21	8-26-21	
p-Isopropyltoluene	ND	0.20	EPA 8260D	8-26-21	8-26-21	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	8-26-21	8-26-21	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	8-26-21	8-26-21	
n-Butylbenzene	ND	0.20	EPA 8260D	8-26-21	8-26-21	
1,2-Dibromo-3-chloropropane		1.3	EPA 8260D	8-26-21	8-26-21	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260D	8-26-21	8-26-21	
Hexachlorobutadiene	ND	1.0	EPA 8260D	8-26-21	8-26-21	
Naphthalene	ND	1.4	EPA 8260D	8-26-21	8-26-21	
1,2,3-Trichlorobenzene	ND	0.25	EPA 8260D	8-26-21	8-26-21	
Surrogate:	Percent Recovery	Control Limits	'	•	•	
Dibromofluoromethane	102	75-127				

Surrogate: Percent Recovery Control Limit
Dibromofluoromethane 102 75-127
Toluene-d8 99 80-127
4-Bromofluorobenzene 96 78-125



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				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	LGAC-MID-1-082521					
Laboratory ID:	08-263-07					
Dichlorodifluoromethane	ND	0.31	EPA 8260D	8-26-21	8-26-21	
Chloromethane	ND	1.0	EPA 8260D	8-26-21	8-26-21	
Vinyl Chloride	ND	0.20	EPA 8260D	8-26-21	8-26-21	
Bromomethane	ND	0.20	EPA 8260D	8-26-21	8-26-21	
Chloroethane	ND	1.0	EPA 8260D	8-26-21	8-26-21	
Trichlorofluoromethane	ND	0.20	EPA 8260D	8-26-21	8-26-21	
1,1-Dichloroethene	ND	0.20	EPA 8260D	8-26-21	8-26-21	
Acetone	ND	5.0	EPA 8260D	8-26-21	8-26-21	
Iodomethane	ND	5.0	EPA 8260D	8-26-21	8-26-21	
Carbon Disulfide	ND	0.20	EPA 8260D	8-26-21	8-26-21	
Methylene Chloride	ND	1.0	EPA 8260D	8-26-21	8-26-21	
(trans) 1,2-Dichloroethene	e ND	0.20	EPA 8260D	8-26-21	8-26-21	
Methyl t-Butyl Ether	ND	0.20	EPA 8260D	8-26-21	8-26-21	
1,1-Dichloroethane	ND	0.20	EPA 8260D	8-26-21	8-26-21	
Vinyl Acetate	ND	1.0	EPA 8260D	8-26-21	8-26-21	
2,2-Dichloropropane	ND	0.20	EPA 8260D	8-26-21	8-26-21	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260D	8-26-21	8-26-21	
2-Butanone	ND	5.0	EPA 8260D	8-26-21	8-26-21	
Bromochloromethane	ND	0.20	EPA 8260D	8-26-21	8-26-21	
Chloroform	ND	0.20	EPA 8260D	8-26-21	8-26-21	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	8-26-21	8-26-21	
Carbon Tetrachloride	ND	0.20	EPA 8260D	8-26-21	8-26-21	
1,1-Dichloropropene	ND	0.20	EPA 8260D	8-26-21	8-26-21	
Benzene	ND	0.20	EPA 8260D	8-26-21	8-26-21	
1,2-Dichloroethane	ND	0.20	EPA 8260D	8-26-21	8-26-21	
Trichloroethene	ND	0.20	EPA 8260D	8-26-21	8-26-21	
1,2-Dichloropropane	ND	0.20	EPA 8260D	8-26-21	8-26-21	
Dibromomethane	ND	0.20	EPA 8260D	8-26-21	8-26-21	
Bromodichloromethane	ND	0.20	EPA 8260D	8-26-21	8-26-21	
2-Chloroethyl Vinyl Ether	ND	1.8	EPA 8260D	8-26-21	8-26-21	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	8-26-21	8-26-21	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260D	8-26-21	8-26-21	
Toluene	ND	1.0	EPA 8260D	8-26-21	8-26-21	
(trans) 1,3-Dichloroproper	ne ND	0.20	EPA 8260D	8-26-21	8-26-21	

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				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	GAC-MID-1-082521					
Laboratory ID:	08-263-07					
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	8-26-21	8-26-21	
Tetrachloroethene	ND	0.20	EPA 8260D	8-26-21	8-26-21	
1,3-Dichloropropane	ND	0.20	EPA 8260D	8-26-21	8-26-21	
2-Hexanone	ND	2.0	EPA 8260D	8-26-21	8-26-21	
Dibromochloromethane	ND	0.20	EPA 8260D	8-26-21	8-26-21	
1,2-Dibromoethane	ND	0.20	EPA 8260D	8-26-21	8-26-21	
Chlorobenzene	ND	0.20	EPA 8260D	8-26-21	8-26-21	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	8-26-21	8-26-21	
Ethylbenzene	ND	0.20	EPA 8260D	8-26-21	8-26-21	
m,p-Xylene	ND	0.40	EPA 8260D	8-26-21	8-26-21	
o-Xylene	ND	0.20	EPA 8260D	8-26-21	8-26-21	
Styrene	ND	0.20	EPA 8260D	8-26-21	8-26-21	
Bromoform	ND	1.0	EPA 8260D	8-26-21	8-26-21	
Isopropylbenzene	ND	0.20	EPA 8260D	8-26-21	8-26-21	
Bromobenzene	ND	0.20	EPA 8260D	8-26-21	8-26-21	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	8-26-21	8-26-21	
1,2,3-Trichloropropane	ND	0.31	EPA 8260D	8-26-21	8-26-21	
n-Propylbenzene	ND	0.20	EPA 8260D	8-26-21	8-26-21	
2-Chlorotoluene	ND	0.20	EPA 8260D	8-26-21	8-26-21	
4-Chlorotoluene	ND	0.20	EPA 8260D	8-26-21	8-26-21	
1,3,5-Trimethylbenzene	ND	0.20	EPA 8260D	8-26-21	8-26-21	
tert-Butylbenzene	ND	0.20	EPA 8260D	8-26-21	8-26-21	
1,2,4-Trimethylbenzene	ND	0.20	EPA 8260D	8-26-21	8-26-21	
sec-Butylbenzene	ND	0.20	EPA 8260D	8-26-21	8-26-21	
1,3-Dichlorobenzene	ND	0.20	EPA 8260D	8-26-21	8-26-21	
p-Isopropyltoluene	ND	0.20	EPA 8260D	8-26-21	8-26-21	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	8-26-21	8-26-21	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	8-26-21	8-26-21	
n-Butylbenzene	ND	0.20	EPA 8260D	8-26-21	8-26-21	
1,2-Dibromo-3-chloropropan	e ND	1.3	EPA 8260D	8-26-21	8-26-21	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260D	8-26-21	8-26-21	
Hexachlorobutadiene	ND	1.0	EPA 8260D	8-26-21	8-26-21	
Naphthalene	ND	1.4	EPA 8260D	8-26-21	8-26-21	
1,2,3-Trichlorobenzene	ND	0.25	EPA 8260D	8-26-21	8-26-21	
Surrogate:	Percent Recovery	Control Limits				
Dibromofluoromethane	100	75-127				
Toluene-d8	99	80-127				

Toluene-d8 99 80-127 4-Bromofluorobenzene 96 78-125



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VOLATILE ORGANICS EPA 8260D QUALITY CONTROL

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METHOD BLANK Laboratory D: MB0826W1					Date	Date	
Dichlorodiffluoromethane	Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Dichlorodifluoromethane	METHOD BLANK						
Chloromethane ND 1.0 EPA 8260D 8-26-21 8-26-21 Vinyl Chloride ND 0.20 EPA 8260D 8-26-21 8-26-21 Bromomethane ND 0.20 EPA 8260D 8-26-21 8-26-21 Chloroethane ND 1.0 EPA 8260D 8-26-21 8-26-21 Trichlorofluoromethane ND 0.20 EPA 8260D 8-26-21 8-26-21 Trichloroethene ND 0.20 EPA 8260D 8-26-21 8-26-21 Acetone ND 5.0 EPA 8260D 8-26-21 8-26-21 Iodomethane ND 5.0 EPA 8260D 8-26-21 8-26-21 Carbon Disulfide ND 0.20 EPA 8260D 8-26-21 8-26-21 Methylene Chloride ND 1.0 EPA 8260D 8-26-21 8-26-21 Methylene Chloride ND 0.20 EPA 8260D 8-26-21 8-26-21 Methylene Chloride ND 0.20 EPA 8260D 8-26-21 8-26-21	Laboratory ID:	MB0826W1					
Vinyl Chloride	Dichlorodifluoromethane	ND	0.31	EPA 8260D	8-26-21	8-26-21	
Bromomethane	Chloromethane	ND	1.0	EPA 8260D	8-26-21	8-26-21	
Chloroethane	Vinyl Chloride	ND	0.20	EPA 8260D	8-26-21	8-26-21	
Trichlorofluoromethane ND 0.20 EPA 8260D 8-26-21 8-26-21 1,1-Dichloroethene ND 0.20 EPA 8260D 8-26-21 8-26-21 Acetone ND 5.0 EPA 8260D 8-26-21 8-26-21 Iodomethane ND 5.0 EPA 8260D 8-26-21 8-26-21 Carbon Disulfide ND 0.20 EPA 8260D 8-26-21 8-26-21 Methylene Chloride ND 1.0 EPA 8260D 8-26-21 8-26-21 Methyl EButyl Ether ND 0.20 EPA 8260D 8-26-21 8-26-21 Methyl t-Butyl Ether ND 0.20 EPA 8260D 8-26-21 8-26-21 Methyl t-Butyl Ether ND 0.20 EPA 8260D 8-26-21 8-26-21 Methyl t-Butyl Ether ND 0.20 EPA 8260D 8-26-21 8-26-21 Methyl t-Butyl Ether ND 0.20 EPA 8260D 8-26-21 8-26-21 Vinyl Acetate ND 0.20 EPA 8260D 8-26-21	Bromomethane	ND	0.20	EPA 8260D	8-26-21	8-26-21	
1,1-Dichloroethene ND 0.20 EPA 8260D 8-26-21 8-26-21 Acetone ND 5.0 EPA 8260D 8-26-21 8-26-21 Iodomethane ND 5.0 EPA 8260D 8-26-21 8-26-21 Carbon Disulfide ND 0.20 EPA 8260D 8-26-21 8-26-21 Methylene Chloride ND 1.0 EPA 8260D 8-26-21 8-26-21 Methylene Chloride ND 0.20 EPA 8260D 8-26-21 8-26-21 Methyl t-Butyl Ether ND 0.20 EPA 8260D 8-26-21 8-26-21 Methyl t-Butyl Ether ND 0.20 EPA 8260D 8-26-21 8-26-21 Methyl t-Butyl Ether ND 0.20 EPA 8260D 8-26-21 8-26-21 Minch Jacetate ND 0.20 EPA 8260D 8-26-21 8-26-21 Vinyl Acetate ND 1.0 EPA 8260D 8-26-21 8-26-21 2,2-Dichloroethane ND 0.20 EPA 8260D 8-26-21 8-26-2	Chloroethane	ND	1.0	EPA 8260D	8-26-21	8-26-21	
Acetone ND 5.0 EPA 8260D 8-26-21 8-26-21 Iodomethane ND 5.0 EPA 8260D 8-26-21 8-26-21 Carbon Disulfide ND 0.20 EPA 8260D 8-26-21 8-26-21 Methylene Chloride ND 1.0 EPA 8260D 8-26-21 8-26-21 Methyl Fabryl Ether ND 0.20 EPA 8260D 8-26-21 8-26-21 Methyl Fabryl Ether ND 0.20 EPA 8260D 8-26-21 8-26-21 Methyl Leburyl Ether ND 0.20 EPA 8260D 8-26-21 8-26-21 Methyl Leburyl Ether ND 0.20 EPA 8260D 8-26-21 8-26-21 Methyl Leburyl Ether ND 0.20 EPA 8260D 8-26-21 8-26-21 ND 0.20 EPA 8260D 8-26-21 8-26-21 Vinyl Acetate ND 0.20 EPA 8260D 8-26-21 8-26-21 Vipyl Acetate ND 0.20 EPA 8260D 8-26-21 8-26-21	Trichlorofluoromethane	ND	0.20	EPA 8260D	8-26-21	8-26-21	
ND	1,1-Dichloroethene	ND	0.20	EPA 8260D	8-26-21	8-26-21	
Carbon Disulfide ND 0.20 EPA 8260D 8-26-21 8-26-21 Methylene Chloride ND 1.0 EPA 8260D 8-26-21 8-26-21 Methyl t-Butyl Ether ND 0.20 EPA 8260D 8-26-21 8-26-21 Methyl t-Butyl Ether ND 0.20 EPA 8260D 8-26-21 8-26-21 Methyl t-Butyl Ether ND 0.20 EPA 8260D 8-26-21 8-26-21 Methyl t-Butyl Ether ND 0.20 EPA 8260D 8-26-21 8-26-21 Methyl t-Butyl Ether ND 0.20 EPA 8260D 8-26-21 8-26-21 Methyl t-Butyl Ether ND 0.20 EPA 8260D 8-26-21 8-26-21 Vinyl Acetate ND 0.20 EPA 8260D 8-26-21 8-26-21 2,2-Dichloropropane ND 0.20 EPA 8260D 8-26-21 8-26-21 2,2-Dichloropropane ND 0.20 EPA 8260D 8-26-21 8-26-21 2-Butanone ND 0.20 EPA 8260D 8-26-2	Acetone	ND	5.0	EPA 8260D	8-26-21	8-26-21	
Methylene Chloride ND 1.0 EPA 8260D 8-26-21 8-26-21 (trans) 1,2-Dichloroethene ND 0.20 EPA 8260D 8-26-21 8-26-21 Methyl t-Butyl Ether ND 0.20 EPA 8260D 8-26-21 8-26-21 1,1-Dichloroethane ND 0.20 EPA 8260D 8-26-21 8-26-21 Vinyl Acetate ND 1.0 EPA 8260D 8-26-21 8-26-21 2,2-Dichloropropane ND 0.20 EPA 8260D 8-26-21 8-26-21 2,2-Dichloroethene ND 0.20 EPA 8260D 8-26-21 8-26-21 2,2-Dichloroethene ND 0.20 EPA 8260D 8-26-21 8-26-21 2,2-Dichloroethene ND 0.20 EPA 8260D 8-26-21 8-26-21 2-Butanone ND 0.20 EPA 8260D 8-26-21 8-26-21 Bromochloromethane ND 0.20 EPA 8260D 8-26-21 8-26-21 Chloroform ND 0.20 EPA 8260D 8-26-21	lodomethane	ND	5.0	EPA 8260D	8-26-21	8-26-21	
(trans) 1,2-Dichloroethene ND 0.20 EPA 8260D 8-26-21 8-26-21 Methyl t-Butyl Ether ND 0.20 EPA 8260D 8-26-21 8-26-21 1,1-Dichloroethane ND 0.20 EPA 8260D 8-26-21 8-26-21 Vinyl Acetate ND 1.0 EPA 8260D 8-26-21 8-26-21 2,2-Dichloropropane ND 0.20 EPA 8260D 8-26-21 8-26-21 (cis) 1,2-Dichloroethene ND 0.20 EPA 8260D 8-26-21 8-26-21 2-Butanone ND 0.20 EPA 8260D 8-26-21 8-26-21 Bromochloromethane ND 0.20 EPA 8260D 8-26-21 8-26-21 Chloroform ND 0.20 EPA 8260D 8-26-21 8-26-21<	Carbon Disulfide	ND	0.20	EPA 8260D	8-26-21	8-26-21	
Methyl t-Butyl Ether ND 0.20 EPA 8260D 8-26-21 8-26-21 1,1-Dichloroethane ND 0.20 EPA 8260D 8-26-21 8-26-21 Vinyl Acetate ND 1.0 EPA 8260D 8-26-21 8-26-21 2,2-Dichloropropane ND 0.20 EPA 8260D 8-26-21 8-26-21 (cis) 1,2-Dichloroethene ND 0.20 EPA 8260D 8-26-21 8-26-21 2-Butanone ND 5.0 EPA 8260D 8-26-21 8-26-21 2-Bromochloromethane ND 0.20 EPA 8260D 8-26-21 8-26-21 2-Bromochloromethane ND 0.20 EPA 8260D 8-26-21 8-26-21 Chloroform ND 0.20 EPA 8260D 8-26-21 8-26-21 Chloroform ND 0.20 EPA 8260D 8-26-21 8-26-21 Chloroform ND 0.20 EPA 8260D 8-26-21 8-26-21 Carbon Tetrachloride ND 0.20 EPA 8260D 8-26-21 8-2	Methylene Chloride	ND	1.0	EPA 8260D	8-26-21	8-26-21	
1,1-Dichloroethane ND 0.20 EPA 8260D 8-26-21 8-26-21 Vinyl Acetate ND 1.0 EPA 8260D 8-26-21 8-26-21 2,2-Dichloropropane ND 0.20 EPA 8260D 8-26-21 8-26-21 (cis) 1,2-Dichloroethene ND 0.20 EPA 8260D 8-26-21 8-26-21 2-Butanone ND 5.0 EPA 8260D 8-26-21 8-26-21 Bromochloromethane ND 0.20 EPA 8260D 8-26-21 8-26-21 Chloroform ND 0.20 EPA 8260D 8-26-21 8-26-21 Chloroform ND 0.20 EPA 8260D 8-26-21 8-26-21 1,1,1-Trichloroethane ND 0.20 EPA 8260D 8-26-21 8-26-21 Carbon Tetrachloride ND 0.20 EPA 8260D 8-26-21 8-26-21 1,1-Dichloropropene ND 0.20 EPA 8260D 8-26-21 8-26-21 1,2-Dichloroethane ND 0.20 EPA 8260D 8-26-21 <	(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260D	8-26-21	8-26-21	
Vinyl Acetate ND 1.0 EPA 8260D 8-26-21 8-26-21 2,2-Dichloropropane ND 0.20 EPA 8260D 8-26-21 8-26-21 2,2-Dichloroethene ND 0.20 EPA 8260D 8-26-21 8-26-21 2-Butanone ND 5.0 EPA 8260D 8-26-21 8-26-21 Bromochloromethane ND 0.20 EPA 8260D 8-26-21 8-26-21 Chloroform ND 0.20 EPA 8260D 8-26-21 8-26-21 Chloroform ND 0.20 EPA 8260D 8-26-21 8-26-21 Chloroform ND 0.20 EPA 8260D 8-26-21 8-26-21 Carbon Tetrachloride ND 0.20 EPA 8260D 8-26-21 8-26-21 Carbon Tetrachloride ND 0.20 EPA 8260D 8-26-21 8-26-21 Lj-Dichloropropene ND 0.20 EPA 8260D 8-26-21 8-26-21 Benzene ND 0.20 EPA 8260D 8-26-21 8-26-21	Methyl t-Butyl Ether	ND	0.20	EPA 8260D	8-26-21	8-26-21	
2,2-Dichloropropane ND 0.20 EPA 8260D 8-26-21 8-26-21 (cis) 1,2-Dichloroethene ND 0.20 EPA 8260D 8-26-21 8-26-21 2-Butanone ND 5.0 EPA 8260D 8-26-21 8-26-21 Bromochloromethane ND 0.20 EPA 8260D 8-26-21 8-26-21 Chloroform ND 0.20 EPA 8260D 8-26-21 8-26-21 Chloroform ND 0.20 EPA 8260D 8-26-21 8-26-21 1,1,1-Trichloroethane ND 0.20 EPA 8260D 8-26-21 8-26-21 Carbon Tetrachloride ND 0.20 EPA 8260D 8-26-21 8-26-21 1,1-Dichloropropene ND 0.20 EPA 8260D 8-26-21 8-26-21 Benzene ND 0.20 EPA 8260D 8-26-21 8-26-21 1,2-Dichloroethane ND 0.20 EPA 8260D 8-26-21 8-26-21 1,2-Dichloropropane ND 0.20 EPA 8260D 8-26-21 8-26-21 1,2-Dichloropropane ND 0.20 EPA 8260D	1,1-Dichloroethane	ND	0.20	EPA 8260D	8-26-21	8-26-21	
(cis) 1,2-Dichloroethene ND 0.20 EPA 8260D 8-26-21 8-26-21 2-Butanone ND 5.0 EPA 8260D 8-26-21 8-26-21 Bromochloromethane ND 0.20 EPA 8260D 8-26-21 8-26-21 Chloroform ND 0.20 EPA 8260D 8-26-21 8-26-21 1,1,1-Trichloroethane ND 0.20 EPA 8260D 8-26-21 8-26-21 Carbon Tetrachloride ND 0.20 EPA 8260D 8-26-21 8-26-21 1,1-Dichloropropene ND 0.20 EPA 8260D 8-26-21 8-26-21 Benzene ND 0.20 EPA 8260D 8-26-21 8-26-21 1,2-Dichloroethane ND 0.20 EPA 8260D 8-26-21 8-26-21 1,2-Dichloropropane ND 0.20 EPA 8260D 8-26-21 8-26-21 1,2-Dichloropropane ND 0.20 EPA 8260D 8-26-21 8-26-21 Bromodichloromethane ND 0.20 EPA 8260D 8-26-21	Vinyl Acetate	ND	1.0	EPA 8260D	8-26-21	8-26-21	
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Benzene ND 0.20 EPA 8260D 8-26-21 8-26-21 1,2-Dichloroethane ND 0.20 EPA 8260D 8-26-21 8-26-21 Trichloroethene ND 0.20 EPA 8260D 8-26-21 8-26-21 1,2-Dichloropropane ND 0.20 EPA 8260D 8-26-21 8-26-21 Dibromomethane ND 0.20 EPA 8260D 8-26-21 8-26-21 Bromodichloromethane ND 0.20 EPA 8260D 8-26-21 8-26-21 2-Chloroethyl Vinyl Ether ND 1.8 EPA 8260D 8-26-21 8-26-21 (cis) 1,3-Dichloropropene ND 0.20 EPA 8260D 8-26-21 8-26-21 Methyl Isobutyl Ketone ND 2.0 EPA 8260D 8-26-21 8-26-21 Toluene ND 1.0 EPA 8260D 8-26-21 8-26-21	Carbon Tetrachloride	ND	0.20	EPA 8260D	8-26-21	8-26-21	
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Trichloroethene ND 0.20 EPA 8260D 8-26-21 8-26-21 1,2-Dichloropropane ND 0.20 EPA 8260D 8-26-21 8-26-21 Dibromomethane ND 0.20 EPA 8260D 8-26-21 8-26-21 Bromodichloromethane ND 0.20 EPA 8260D 8-26-21 8-26-21 2-Chloroethyl Vinyl Ether ND 1.8 EPA 8260D 8-26-21 8-26-21 (cis) 1,3-Dichloropropene ND 0.20 EPA 8260D 8-26-21 8-26-21 Methyl Isobutyl Ketone ND 2.0 EPA 8260D 8-26-21 8-26-21 Toluene ND 1.0 EPA 8260D 8-26-21 8-26-21	Benzene	ND	0.20	EPA 8260D	8-26-21	8-26-21	
1,2-Dichloropropane ND 0.20 EPA 8260D 8-26-21 8-26-21 Dibromomethane ND 0.20 EPA 8260D 8-26-21 8-26-21 Bromodichloromethane ND 0.20 EPA 8260D 8-26-21 8-26-21 2-Chloroethyl Vinyl Ether ND 1.8 EPA 8260D 8-26-21 8-26-21 (cis) 1,3-Dichloropropene ND 0.20 EPA 8260D 8-26-21 8-26-21 Methyl Isobutyl Ketone ND 2.0 EPA 8260D 8-26-21 8-26-21 Toluene ND 1.0 EPA 8260D 8-26-21 8-26-21	1,2-Dichloroethane	ND	0.20	EPA 8260D	8-26-21	8-26-21	
Dibromomethane ND 0.20 EPA 8260D 8-26-21 8-26-21 Bromodichloromethane ND 0.20 EPA 8260D 8-26-21 8-26-21 2-Chloroethyl Vinyl Ether ND 1.8 EPA 8260D 8-26-21 8-26-21 (cis) 1,3-Dichloropropene ND 0.20 EPA 8260D 8-26-21 8-26-21 Methyl Isobutyl Ketone ND 2.0 EPA 8260D 8-26-21 8-26-21 Toluene ND 1.0 EPA 8260D 8-26-21 8-26-21	Trichloroethene	ND	0.20	EPA 8260D	8-26-21	8-26-21	
Bromodichloromethane ND 0.20 EPA 8260D 8-26-21 8-26-21 2-Chloroethyl Vinyl Ether ND 1.8 EPA 8260D 8-26-21 8-26-21 (cis) 1,3-Dichloropropene ND 0.20 EPA 8260D 8-26-21 8-26-21 Methyl Isobutyl Ketone ND 2.0 EPA 8260D 8-26-21 8-26-21 Toluene ND 1.0 EPA 8260D 8-26-21 8-26-21	1,2-Dichloropropane	ND	0.20	EPA 8260D	8-26-21	8-26-21	
2-Chloroethyl Vinyl Ether ND 1.8 EPA 8260D 8-26-21 8-26-21 (cis) 1,3-Dichloropropene ND 0.20 EPA 8260D 8-26-21 8-26-21 Methyl Isobutyl Ketone ND 2.0 EPA 8260D 8-26-21 8-26-21 Toluene ND 1.0 EPA 8260D 8-26-21 8-26-21	Dibromomethane	ND	0.20	EPA 8260D	8-26-21	8-26-21	
(cis) 1,3-Dichloropropene ND 0.20 EPA 8260D 8-26-21 8-26-21 Methyl Isobutyl Ketone ND 2.0 EPA 8260D 8-26-21 8-26-21 Toluene ND 1.0 EPA 8260D 8-26-21 8-26-21	Bromodichloromethane	ND	0.20	EPA 8260D	8-26-21	8-26-21	
Methyl Isobutyl Ketone ND 2.0 EPA 8260D 8-26-21 8-26-21 Toluene ND 1.0 EPA 8260D 8-26-21 8-26-21	2-Chloroethyl Vinyl Ether	ND	1.8	EPA 8260D	8-26-21	8-26-21	
Toluene ND 1.0 EPA 8260D 8-26-21 8-26-21	(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	8-26-21	8-26-21	
	Methyl Isobutyl Ketone	ND	2.0	EPA 8260D	8-26-21	8-26-21	
(trans) 1,3-Dichloropropene ND 0.20 EPA 8260D 8-26-21 8-26-21	Toluene	ND	1.0	EPA 8260D	8-26-21	8-26-21	
	(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	8-26-21	8-26-21	

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VOLATILE ORGANICS EPA 8260D QUALITY CONTROL

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				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0826W1					
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	8-26-21	8-26-21	
Tetrachloroethene	ND	0.20	EPA 8260D	8-26-21	8-26-21	
1,3-Dichloropropane	ND	0.20	EPA 8260D	8-26-21	8-26-21	
2-Hexanone	ND	2.0	EPA 8260D	8-26-21	8-26-21	
Dibromochloromethane	ND	0.20	EPA 8260D	8-26-21	8-26-21	
1,2-Dibromoethane	ND	0.20	EPA 8260D	8-26-21	8-26-21	
Chlorobenzene	ND	0.20	EPA 8260D	8-26-21	8-26-21	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	8-26-21	8-26-21	
Ethylbenzene	ND	0.20	EPA 8260D	8-26-21	8-26-21	
m,p-Xylene	ND	0.40	EPA 8260D	8-26-21	8-26-21	
o-Xylene	ND	0.20	EPA 8260D	8-26-21	8-26-21	
Styrene	ND	0.20	EPA 8260D	8-26-21	8-26-21	
Bromoform	ND	1.0	EPA 8260D	8-26-21	8-26-21	
Isopropylbenzene	ND	0.20	EPA 8260D	8-26-21	8-26-21	
Bromobenzene	ND	0.20	EPA 8260D	8-26-21	8-26-21	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	8-26-21	8-26-21	
1,2,3-Trichloropropane	ND	0.31	EPA 8260D	8-26-21	8-26-21	
n-Propylbenzene	ND	0.20	EPA 8260D	8-26-21	8-26-21	
2-Chlorotoluene	ND	0.20	EPA 8260D	8-26-21	8-26-21	
4-Chlorotoluene	ND	0.20	EPA 8260D	8-26-21	8-26-21	
1,3,5-Trimethylbenzene	ND	0.20	EPA 8260D	8-26-21	8-26-21	
tert-Butylbenzene	ND	0.20	EPA 8260D	8-26-21	8-26-21	
1,2,4-Trimethylbenzene	ND	0.20	EPA 8260D	8-26-21	8-26-21	
sec-Butylbenzene	ND	0.20	EPA 8260D	8-26-21	8-26-21	
1,3-Dichlorobenzene	ND	0.20	EPA 8260D	8-26-21	8-26-21	
p-Isopropyltoluene	ND	0.20	EPA 8260D	8-26-21	8-26-21	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	8-26-21	8-26-21	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	8-26-21	8-26-21	
n-Butylbenzene	ND	0.20	EPA 8260D	8-26-21	8-26-21	
1,2-Dibromo-3-chloropropane	ND	1.3	EPA 8260D	8-26-21	8-26-21	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260D	8-26-21	8-26-21	
Hexachlorobutadiene	ND	1.0	EPA 8260D	8-26-21	8-26-21	
Naphthalene	ND	1.4	EPA 8260D	8-26-21	8-26-21	
1,2,3-Trichlorobenzene	ND	0.25	EPA 8260D	8-26-21	8-26-21	
Surrogate:	Percent Recovery	Control Limits				
Dibramafluaramathana	100	75 127				

Dibromofluoromethane 102 75-127
Toluene-d8 99 80-127
4-Bromofluorobenzene 96 78-125

VOLATILE ORGANICS EPA 8260D QUALITY CONTROL

					Per	cent	Recovery		RPD	
Analyte	Res	sult	Spike	Level	Reco	overy	Limits	RPD	Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB08	26W1								
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	10.5	10.4	10.0	10.0	105	104	78-124	1	19	
Benzene	10.4	10.4	10.0	10.0	104	104	80-119	0	16	
Trichloroethene	10.6	10.4	10.0	10.0	106	104	80-121	2	18	
Toluene	10.2	10.2	10.0	10.0	102	102	80-117	0	18	
Chlorobenzene	9.70	9.70	10.0	10.0	97	97	80-117	0	17	
Surrogate:										
Dibromofluoromethane					102	102	75-127			
Toluene-d8					102	100	80-127			
4-Bromofluorobenzene					100	100	78-125			

HEXANE EXTRACTABLE MATERIAL NON-POLAR EPA 1664

Matrix: Water Units: mg/L (ppm)

				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	LGAC-EFF-1,2,3-082521 Comp.					
Laboratory ID:	08-263-01,02,03 Comp.					
Non Polar HEM	ND	6.3	EPA 1664A	8-30-21	8-30-21	
Client ID:	LGAC-INF-1,2,3-082521 Comp.					
Laboratory ID:	08-263-04,05,06 Comp.					
Non Polar HEM	ND	7.0	EPA 1664A	8-30-21	8-30-21	
Client ID:	LGAC-MID-1,2,3-082521 Comp.					
Laboratory ID:	08-263-07,08,09 Comp.					
Non Polar HEM	ND	6.5	EPA 1664A	8-30-21	8-30-21	

Project: 060172

HEXANE EXTRACTABLE MATERIAL NON-POLAR EPA 1664 QUALITY CONTROL

Matrix: Water
Units: mg/L (ppm)

				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0830W1					
Non Polar HEM	ND	5.0	EPA 1664A	8-30-21	8-30-21	

					Pe	rcent	Recovery		RPD	
Analyte	Re	sult	Spike	Level	Red	covery	Limits	RPD	Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB08	30W1								
_	SB	SBD	SB	SBD	SB	SBD				
Non Polar HEM	17.8	19.4	20.0	20.0	89	97	66-105	9	19	

Project: 060172

pH SM 4500-H B

Matrix: Water Units: pH (@ 25°C)

			Date	Date	
Analyte	Result	Method	Prepared	Analyzed	Flags
Client ID:	LGAC-EFF-1-082521				
Laboratory ID:	08-263-01				
рН	8.0	SM 4500-H B	8-26-21	8-26-21	
Client ID:	LGAC-INF-1-082521				
Laboratory ID:	08-263-04				
рН	6.5	SM 4500-H B	8-26-21	8-26-21	
Client ID:	LGAC-MID-1-082521				
Laboratory ID:	08-263-07				
pH	8.2	SM 4500-H B	8-26-21	8-26-21	



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.
- 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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Reviewed/Date			\sigma	8	B	ASPEC	Company		1312	1307	1302	1247	1242	1237	08/25/21 1247	21 1242	12 1237	Time d Sampled	(other)		Standard (7 Days)	2 Days	Same Day	(Check One)	Turnaround Request (in working days)
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14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

September 17, 2021

Jeremy Porter Aspect Consulting Dexter Horton Building 710 2nd Avenue, Suite 550 Seattle, WA 98104

Re: Analytical Data for Project 060172

Laboratory Reference No. 2109-115

Dear Jeremy:

Enclosed are the analytical results and associated quality control data for samples submitted on September 14, 2021.

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,

David Baumeister Project Manager

Enclosures



Laboratory Reference: 2109-115

Project: 060172

Case Narrative

Samples were collected on September 14, 2021 and received by the laboratory on September 14, 2021. 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.

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.

HEM-Oil and Grease EPA 1664A Analysis

The three samples were made into a composite prior to extraction. The initial volume for this composite was brought up to 1000mL with de-ionized water.

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.

Laboratory Reference: 2109-115

Project: 060172

VOLATILE ORGANICS EPA 8260D

page 1 of 2

				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	LGAC-1-EFF-091421					
Laboratory ID:	09-115-01					
Dichlorodifluoromethane	ND	0.20	EPA 8260D	9-15-21	9-15-21	
Chloromethane	ND	1.0	EPA 8260D	9-15-21	9-15-21	
Vinyl Chloride	ND	0.20	EPA 8260D	9-15-21	9-15-21	
Bromomethane	ND	0.20	EPA 8260D	9-15-21	9-15-21	
Chloroethane	ND	1.0	EPA 8260D	9-15-21	9-15-21	
Trichlorofluoromethane	ND	0.20	EPA 8260D	9-15-21	9-15-21	
1,1-Dichloroethene	ND	0.20	EPA 8260D	9-15-21	9-15-21	
Acetone	ND	5.0	EPA 8260D	9-15-21	9-15-21	
Iodomethane	ND	1.4	EPA 8260D	9-15-21	9-15-21	
Carbon Disulfide	ND	0.20	EPA 8260D	9-15-21	9-15-21	
Methylene Chloride	ND	1.0	EPA 8260D	9-15-21	9-15-21	
(trans) 1,2-Dichloroethene	e ND	0.20	EPA 8260D	9-15-21	9-15-21	
Methyl t-Butyl Ether	ND	0.20	EPA 8260D	9-15-21	9-15-21	
1,1-Dichloroethane	ND	0.20	EPA 8260D	9-15-21	9-15-21	
Vinyl Acetate	ND	1.0	EPA 8260D	9-15-21	9-15-21	
2,2-Dichloropropane	ND	0.20	EPA 8260D	9-15-21	9-15-21	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260D	9-15-21	9-15-21	
2-Butanone	ND	5.0	EPA 8260D	9-15-21	9-15-21	
Bromochloromethane	ND	0.20	EPA 8260D	9-15-21	9-15-21	
Chloroform	ND	0.20	EPA 8260D	9-15-21	9-15-21	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	9-15-21	9-15-21	
Carbon Tetrachloride	ND	0.20	EPA 8260D	9-15-21	9-15-21	
1,1-Dichloropropene	ND	0.20	EPA 8260D	9-15-21	9-15-21	
Benzene	ND	0.20	EPA 8260D	9-15-21	9-15-21	
1,2-Dichloroethane	ND	0.20	EPA 8260D	9-15-21	9-15-21	
Trichloroethene	ND	0.20	EPA 8260D	9-15-21	9-15-21	
1,2-Dichloropropane	ND	0.20	EPA 8260D	9-15-21	9-15-21	
Dibromomethane	ND	0.20	EPA 8260D	9-15-21	9-15-21	
Bromodichloromethane	ND	0.20	EPA 8260D	9-15-21	9-15-21	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260D	9-15-21	9-15-21	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	9-15-21	9-15-21	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260D	9-15-21	9-15-21	
Toluene	ND	1.0	EPA 8260D	9-15-21	9-15-21	
(trans) 1,3-Dichloroproper	ne ND	0.20	EPA 8260D	9-15-21	9-15-21	

Laboratory Reference: 2109-115

Project: 060172

VOLATILE ORGANICS EPA 8260D

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				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
	GAC-1-EFF-091421					
Laboratory ID:	09-115-01					
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	9-15-21	9-15-21	
Tetrachloroethene	ND	0.20	EPA 8260D	9-15-21	9-15-21	
1,3-Dichloropropane	ND	0.20	EPA 8260D	9-15-21	9-15-21	
2-Hexanone	ND	2.0	EPA 8260D	9-15-21	9-15-21	
Dibromochloromethane	ND	0.20	EPA 8260D	9-15-21	9-15-21	
1,2-Dibromoethane	ND	0.20	EPA 8260D	9-15-21	9-15-21	
Chlorobenzene	ND	0.20	EPA 8260D	9-15-21	9-15-21	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	9-15-21	9-15-21	
Ethylbenzene	ND	0.20	EPA 8260D	9-15-21	9-15-21	
m,p-Xylene	ND	0.40	EPA 8260D	9-15-21	9-15-21	
o-Xylene	ND	0.20	EPA 8260D	9-15-21	9-15-21	
Styrene	ND	0.20	EPA 8260D	9-15-21	9-15-21	
Bromoform	ND	1.0	EPA 8260D	9-15-21	9-15-21	
Isopropylbenzene	ND	0.20	EPA 8260D	9-15-21	9-15-21	
Bromobenzene	ND	0.20	EPA 8260D	9-15-21	9-15-21	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	9-15-21	9-15-21	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	9-15-21	9-15-21	
n-Propylbenzene	ND	0.20	EPA 8260D	9-15-21	9-15-21	
2-Chlorotoluene	ND	0.20	EPA 8260D	9-15-21	9-15-21	
4-Chlorotoluene	ND	0.20	EPA 8260D	9-15-21	9-15-21	
1,3,5-Trimethylbenzene	ND	0.20	EPA 8260D	9-15-21	9-15-21	
tert-Butylbenzene	ND	0.20	EPA 8260D	9-15-21	9-15-21	
1,2,4-Trimethylbenzene	ND	0.20	EPA 8260D	9-15-21	9-15-21	
sec-Butylbenzene	ND	0.20	EPA 8260D	9-15-21	9-15-21	
1,3-Dichlorobenzene	ND	0.20	EPA 8260D	9-15-21	9-15-21	
p-Isopropyltoluene	ND	0.20	EPA 8260D	9-15-21	9-15-21	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	9-15-21	9-15-21	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	9-15-21	9-15-21	
n-Butylbenzene	ND	0.20	EPA 8260D	9-15-21	9-15-21	
1,2-Dibromo-3-chloropropan	e ND	1.0	EPA 8260D	9-15-21	9-15-21	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260D	9-15-21	9-15-21	
Hexachlorobutadiene	ND	1.0	EPA 8260D	9-15-21	9-15-21	
Naphthalene	ND	1.0	EPA 8260D	9-15-21	9-15-21	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260D	9-15-21	9-15-21	
Surrogate:	Percent Recovery	Control Limits		•	·	
Dibromofluoromethane	99	75-127				

Surrogate: Percent Recovery Control Limit Dibromofluoromethane 99 75-127
Toluene-d8 97 80-127
4-Bromofluorobenzene 97 78-125

Laboratory Reference: 2109-115

Project: 060172

VOLATILE ORGANICS EPA 8260D

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omis. dg/L				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	LGAC-1-INF-091421					
Laboratory ID:	09-115-04					
Dichlorodifluoromethane	ND	4.0	EPA 8260D	9-15-21	9-15-21	
Chloromethane	ND	20	EPA 8260D	9-15-21	9-15-21	
Vinyl Chloride	ND	4.0	EPA 8260D	9-15-21	9-15-21	
Bromomethane	ND	4.0	EPA 8260D	9-15-21	9-15-21	
Chloroethane	ND	20	EPA 8260D	9-15-21	9-15-21	
Trichlorofluoromethane	ND	4.0	EPA 8260D	9-15-21	9-15-21	
1,1-Dichloroethene	ND	4.0	EPA 8260D	9-15-21	9-15-21	
Acetone	1400	100	EPA 8260D	9-15-21	9-15-21	
Iodomethane	ND	28	EPA 8260D	9-15-21	9-15-21	
Carbon Disulfide	ND	4.0	EPA 8260D	9-15-21	9-15-21	
Methylene Chloride	ND	20	EPA 8260D	9-15-21	9-15-21	
(trans) 1,2-Dichloroethene	ND	4.0	EPA 8260D	9-15-21	9-15-21	
Methyl t-Butyl Ether	ND	4.0	EPA 8260D	9-15-21	9-15-21	
1,1-Dichloroethane	ND	4.0	EPA 8260D	9-15-21	9-15-21	
Vinyl Acetate	ND	20	EPA 8260D	9-15-21	9-15-21	
2,2-Dichloropropane	ND	4.0	EPA 8260D	9-15-21	9-15-21	
(cis) 1,2-Dichloroethene	ND	4.0	EPA 8260D	9-15-21	9-15-21	
2-Butanone	140	100	EPA 8260D	9-15-21	9-15-21	
Bromochloromethane	ND	4.0	EPA 8260D	9-15-21	9-15-21	
Chloroform	ND	4.0	EPA 8260D	9-15-21	9-15-21	
1,1,1-Trichloroethane	ND	4.0	EPA 8260D	9-15-21	9-15-21	
Carbon Tetrachloride	ND	4.0	EPA 8260D	9-15-21	9-15-21	
1,1-Dichloropropene	ND	4.0	EPA 8260D	9-15-21	9-15-21	
Benzene	ND	4.0	EPA 8260D	9-15-21	9-15-21	
1,2-Dichloroethane	ND	4.0	EPA 8260D	9-15-21	9-15-21	
Trichloroethene	ND	4.0	EPA 8260D	9-15-21	9-15-21	
1,2-Dichloropropane	ND	4.0	EPA 8260D	9-15-21	9-15-21	
Dibromomethane	ND	4.0	EPA 8260D	9-15-21	9-15-21	
Bromodichloromethane	ND	4.0	EPA 8260D	9-15-21	9-15-21	
2-Chloroethyl Vinyl Ether	ND	20	EPA 8260D	9-15-21	9-15-21	
(cis) 1,3-Dichloropropene	ND	4.0	EPA 8260D	9-15-21	9-15-21	
Methyl Isobutyl Ketone	ND	40	EPA 8260D	9-15-21	9-15-21	
Toluene	ND	20	EPA 8260D	9-15-21	9-15-21	
(trans) 1,3-Dichloropropen		4.0	EPA 8260D	9-15-21	9-15-21	

Laboratory Reference: 2109-115

Project: 060172

VOLATILE ORGANICS EPA 8260D

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				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
	GAC-1-INF-091421					
Laboratory ID:	09-115-04					
1,1,2-Trichloroethane	ND	4.0	EPA 8260D	9-15-21	9-15-21	
Tetrachloroethene	30	4.0	EPA 8260D	9-15-21	9-15-21	
1,3-Dichloropropane	ND	4.0	EPA 8260D	9-15-21	9-15-21	
2-Hexanone	ND	40	EPA 8260D	9-15-21	9-15-21	
Dibromochloromethane	ND	4.0	EPA 8260D	9-15-21	9-15-21	
1,2-Dibromoethane	ND	4.0	EPA 8260D	9-15-21	9-15-21	
Chlorobenzene	ND	4.0	EPA 8260D	9-15-21	9-15-21	
1,1,1,2-Tetrachloroethane	ND	4.0	EPA 8260D	9-15-21	9-15-21	
Ethylbenzene	ND	4.0	EPA 8260D	9-15-21	9-15-21	
m,p-Xylene	ND	8.0	EPA 8260D	9-15-21	9-15-21	
o-Xylene	ND	4.0	EPA 8260D	9-15-21	9-15-21	
Styrene	ND	4.0	EPA 8260D	9-15-21	9-15-21	
Bromoform	ND	20	EPA 8260D	9-15-21	9-15-21	
Isopropylbenzene	ND	4.0	EPA 8260D	9-15-21	9-15-21	
Bromobenzene	ND	4.0	EPA 8260D	9-15-21	9-15-21	
1,1,2,2-Tetrachloroethane	ND	4.0	EPA 8260D	9-15-21	9-15-21	
1,2,3-Trichloropropane	ND	4.0	EPA 8260D	9-15-21	9-15-21	
n-Propylbenzene	ND	4.0	EPA 8260D	9-15-21	9-15-21	
2-Chlorotoluene	ND	4.0	EPA 8260D	9-15-21	9-15-21	
4-Chlorotoluene	ND	4.0	EPA 8260D	9-15-21	9-15-21	
1,3,5-Trimethylbenzene	ND	4.0	EPA 8260D	9-15-21	9-15-21	
tert-Butylbenzene	ND	4.0	EPA 8260D	9-15-21	9-15-21	
1,2,4-Trimethylbenzene	ND	4.0	EPA 8260D	9-15-21	9-15-21	
sec-Butylbenzene	ND	4.0	EPA 8260D	9-15-21	9-15-21	
1,3-Dichlorobenzene	ND	4.0	EPA 8260D	9-15-21	9-15-21	
p-Isopropyltoluene	ND	4.0	EPA 8260D	9-15-21	9-15-21	
1,4-Dichlorobenzene	ND	4.0	EPA 8260D	9-15-21	9-15-21	
1,2-Dichlorobenzene	ND	4.0	EPA 8260D	9-15-21	9-15-21	
n-Butylbenzene	ND	4.0	EPA 8260D	9-15-21	9-15-21	
1,2-Dibromo-3-chloropropan		20	EPA 8260D	9-15-21	9-15-21	
1,2,4-Trichlorobenzene	ND	4.0	EPA 8260D	9-15-21	9-15-21	
Hexachlorobutadiene	ND	20	EPA 8260D	9-15-21	9-15-21	
Naphthalene	ND	20	EPA 8260D	9-15-21	9-15-21	
1,2,3-Trichlorobenzene	ND	4.0	EPA 8260D	9-15-21	9-15-21	
Surrogate:	Percent Recovery			•	•	
= 						

Dibromofluoromethane 100 75-127
Toluene-d8 98 80-127
4-Bromofluorobenzene 96 78-125



Laboratory Reference: 2109-115

Project: 060172

VOLATILE ORGANICS EPA 8260D

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				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	LGAC-1-MID-091421					
Laboratory ID:	09-115-07					
Dichlorodifluoromethane	ND	0.40	EPA 8260D	9-15-21	9-15-21	
Chloromethane	ND	2.0	EPA 8260D	9-15-21	9-15-21	
Vinyl Chloride	ND	0.40	EPA 8260D	9-15-21	9-15-21	
Bromomethane	ND	0.40	EPA 8260D	9-15-21	9-15-21	
Chloroethane	ND	2.0	EPA 8260D	9-15-21	9-15-21	
Trichlorofluoromethane	ND	0.40	EPA 8260D	9-15-21	9-15-21	
1,1-Dichloroethene	ND	0.40	EPA 8260D	9-15-21	9-15-21	
Acetone	230	25	EPA 8260D	9-15-21	9-15-21	
lodomethane	ND	2.8	EPA 8260D	9-15-21	9-15-21	
Carbon Disulfide	ND	0.40	EPA 8260D	9-15-21	9-15-21	
Methylene Chloride	ND	2.0	EPA 8260D	9-15-21	9-15-21	
(trans) 1,2-Dichloroethene	e ND	0.40	EPA 8260D	9-15-21	9-15-21	
Methyl t-Butyl Ether	ND	0.40	EPA 8260D	9-15-21	9-15-21	
1,1-Dichloroethane	ND	0.40	EPA 8260D	9-15-21	9-15-21	
Vinyl Acetate	ND	2.0	EPA 8260D	9-15-21	9-15-21	
2,2-Dichloropropane	ND	0.40	EPA 8260D	9-15-21	9-15-21	
(cis) 1,2-Dichloroethene	ND	0.40	EPA 8260D	9-15-21	9-15-21	
2-Butanone	ND	10	EPA 8260D	9-15-21	9-15-21	
Bromochloromethane	ND	0.40	EPA 8260D	9-15-21	9-15-21	
Chloroform	ND	0.40	EPA 8260D	9-15-21	9-15-21	
1,1,1-Trichloroethane	ND	0.40	EPA 8260D	9-15-21	9-15-21	
Carbon Tetrachloride	ND	0.40	EPA 8260D	9-15-21	9-15-21	
1,1-Dichloropropene	ND	0.40	EPA 8260D	9-15-21	9-15-21	
Benzene	ND	0.40	EPA 8260D	9-15-21	9-15-21	
1,2-Dichloroethane	ND	0.40	EPA 8260D	9-15-21	9-15-21	
Trichloroethene	ND	0.40	EPA 8260D	9-15-21	9-15-21	
1,2-Dichloropropane	ND	0.40	EPA 8260D	9-15-21	9-15-21	
Dibromomethane	ND	0.40	EPA 8260D	9-15-21	9-15-21	
Bromodichloromethane	ND	0.40	EPA 8260D	9-15-21	9-15-21	
2-Chloroethyl Vinyl Ether	ND	2.0	EPA 8260D	9-15-21	9-15-21	
(cis) 1,3-Dichloropropene	ND	0.40	EPA 8260D	9-15-21	9-15-21	
Methyl Isobutyl Ketone	ND	4.0	EPA 8260D	9-15-21	9-15-21	
Toluene	ND	2.0	EPA 8260D	9-15-21	9-15-21	
(trans) 1,3-Dichloroproper	ne ND	0.40	EPA 8260D	9-15-21	9-15-21	

Laboratory Reference: 2109-115

Project: 060172

VOLATILE ORGANICS EPA 8260D

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Amalusta	Dogult	DOL	Mathad	Date	Date	Flores
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
	-GAC-1-MID-091421					
Laboratory ID:	09-115-07	0.40	ED4 0000D	0.45.04	0.45.04	
1,1,2-Trichloroethane	ND	0.40	EPA 8260D	9-15-21	9-15-21	
Tetrachloroethene	ND	0.40	EPA 8260D	9-15-21	9-15-21	
1,3-Dichloropropane	ND	0.40	EPA 8260D	9-15-21	9-15-21	
2-Hexanone	ND	4.0	EPA 8260D	9-15-21	9-15-21	
Dibromochloromethane	ND	0.40	EPA 8260D	9-15-21	9-15-21	
1,2-Dibromoethane	ND	0.40	EPA 8260D	9-15-21	9-15-21	
Chlorobenzene	ND	0.40	EPA 8260D	9-15-21	9-15-21	
1,1,1,2-Tetrachloroethane	ND	0.40	EPA 8260D	9-15-21	9-15-21	
Ethylbenzene	ND	0.40	EPA 8260D	9-15-21	9-15-21	
m,p-Xylene	ND	0.80	EPA 8260D	9-15-21	9-15-21	
o-Xylene	ND	0.40	EPA 8260D	9-15-21	9-15-21	
Styrene	ND	0.40	EPA 8260D	9-15-21	9-15-21	
Bromoform	ND	2.0	EPA 8260D	9-15-21	9-15-21	
Isopropylbenzene	ND	0.40	EPA 8260D	9-15-21	9-15-21	
Bromobenzene	ND	0.40	EPA 8260D	9-15-21	9-15-21	
1,1,2,2-Tetrachloroethane	ND	0.40	EPA 8260D	9-15-21	9-15-21	
1,2,3-Trichloropropane	ND	0.40	EPA 8260D	9-15-21	9-15-21	
n-Propylbenzene	ND	0.40	EPA 8260D	9-15-21	9-15-21	
2-Chlorotoluene	ND	0.40	EPA 8260D	9-15-21	9-15-21	
4-Chlorotoluene	ND	0.40	EPA 8260D	9-15-21	9-15-21	
1,3,5-Trimethylbenzene	ND	0.40	EPA 8260D	9-15-21	9-15-21	
tert-Butylbenzene	ND	0.40	EPA 8260D	9-15-21	9-15-21	
1,2,4-Trimethylbenzene	ND	0.40	EPA 8260D	9-15-21	9-15-21	
sec-Butylbenzene	ND	0.40	EPA 8260D	9-15-21	9-15-21	
1,3-Dichlorobenzene	ND	0.40	EPA 8260D	9-15-21	9-15-21	
p-Isopropyltoluene	ND	0.40	EPA 8260D	9-15-21	9-15-21	
1,4-Dichlorobenzene	ND	0.40	EPA 8260D	9-15-21	9-15-21	
1,2-Dichlorobenzene	ND	0.40	EPA 8260D	9-15-21	9-15-21	
n-Butylbenzene	ND	0.40	EPA 8260D	9-15-21	9-15-21	
1,2-Dibromo-3-chloropropan		2.0	EPA 8260D	9-15-21	9-15-21	
1,2,4-Trichlorobenzene	ND	0.40	EPA 8260D	9-15-21	9-15-21	
Hexachlorobutadiene	ND	2.0	EPA 8260D	9-15-21	9-15-21	
Naphthalene	ND	2.0	EPA 8260D	9-15-21	9-15-21	
1,2,3-Trichlorobenzene	ND	0.40	EPA 8260D	9-15-21	9-15-21	
Surrogate:	Percent Recovery	Control Limits		<u> </u>		
Dibromofluoromethane	99	75-127				
Toluene-d8	98	80-127				
10146116-40	30	00-127				

4-Bromofluorobenzene

78-125

96

Laboratory Reference: 2109-115

Project: 060172

VOLATILE ORGANICS EPA 8260D QUALITY CONTROL

page 1 of 2

				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0915W1					
Dichlorodifluoromethane	ND	0.20	EPA 8260D	9-15-21	9-15-21	
Chloromethane	ND	1.0	EPA 8260D	9-15-21	9-15-21	
Vinyl Chloride	ND	0.20	EPA 8260D	9-15-21	9-15-21	
Bromomethane	ND	0.20	EPA 8260D	9-15-21	9-15-21	
Chloroethane	ND	1.0	EPA 8260D	9-15-21	9-15-21	
Trichlorofluoromethane	ND	0.20	EPA 8260D	9-15-21	9-15-21	
1,1-Dichloroethene	ND	0.20	EPA 8260D	9-15-21	9-15-21	
Acetone	ND	5.0	EPA 8260D	9-15-21	9-15-21	
lodomethane	ND	1.4	EPA 8260D	9-15-21	9-15-21	
Carbon Disulfide	ND	0.20	EPA 8260D	9-15-21	9-15-21	
Methylene Chloride	ND	1.0	EPA 8260D	9-15-21	9-15-21	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260D	9-15-21	9-15-21	
Methyl t-Butyl Ether	ND	0.20	EPA 8260D	9-15-21	9-15-21	
1,1-Dichloroethane	ND	0.20	EPA 8260D	9-15-21	9-15-21	
Vinyl Acetate	ND	1.0	EPA 8260D	9-15-21	9-15-21	
2,2-Dichloropropane	ND	0.20	EPA 8260D	9-15-21	9-15-21	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260D	9-15-21	9-15-21	
2-Butanone	ND	5.0	EPA 8260D	9-15-21	9-15-21	
Bromochloromethane	ND	0.20	EPA 8260D	9-15-21	9-15-21	
Chloroform	ND	0.20	EPA 8260D	9-15-21	9-15-21	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	9-15-21	9-15-21	
Carbon Tetrachloride	ND	0.20	EPA 8260D	9-15-21	9-15-21	
1,1-Dichloropropene	ND	0.20	EPA 8260D	9-15-21	9-15-21	
Benzene	ND	0.20	EPA 8260D	9-15-21	9-15-21	
1,2-Dichloroethane	ND	0.20	EPA 8260D	9-15-21	9-15-21	
Trichloroethene	ND	0.20	EPA 8260D	9-15-21	9-15-21	
1,2-Dichloropropane	ND	0.20	EPA 8260D	9-15-21	9-15-21	
Dibromomethane	ND	0.20	EPA 8260D	9-15-21	9-15-21	
Bromodichloromethane	ND	0.20	EPA 8260D	9-15-21	9-15-21	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260D	9-15-21	9-15-21	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	9-15-21	9-15-21	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260D	9-15-21	9-15-21	
Toluene	ND	1.0	EPA 8260D	9-15-21	9-15-21	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	9-15-21	9-15-21	

Laboratory Reference: 2109-115

Project: 060172

VOLATILE ORGANICS EPA 8260D QUALITY CONTROL

page 2 of 2

Aurabata	Daniel	DOL	Made ad	Date	Date	FI
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
METHOD BLANK	MDOOAEWA					
Laboratory ID:	MB0915W1	0.00	EDA 0000D	0.45.04	0.45.04	
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	9-15-21	9-15-21	
Tetrachloroethene	ND	0.20	EPA 8260D	9-15-21	9-15-21	
1,3-Dichloropropane	ND	0.20	EPA 8260D	9-15-21	9-15-21	
2-Hexanone	ND	2.0	EPA 8260D	9-15-21	9-15-21	
Dibromochloromethane	ND	0.20	EPA 8260D	9-15-21	9-15-21	
1,2-Dibromoethane	ND	0.20	EPA 8260D	9-15-21	9-15-21	
Chlorobenzene	ND	0.20	EPA 8260D	9-15-21	9-15-21	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	9-15-21	9-15-21	
Ethylbenzene	ND	0.20	EPA 8260D	9-15-21	9-15-21	
m,p-Xylene	ND	0.40	EPA 8260D	9-15-21	9-15-21	
o-Xylene	ND	0.20	EPA 8260D	9-15-21	9-15-21	
Styrene	ND	0.20	EPA 8260D	9-15-21	9-15-21	
Bromoform	ND	1.0	EPA 8260D	9-15-21	9-15-21	
Isopropylbenzene	ND	0.20	EPA 8260D	9-15-21	9-15-21	
Bromobenzene	ND	0.20	EPA 8260D	9-15-21	9-15-21	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	9-15-21	9-15-21	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	9-15-21	9-15-21	
n-Propylbenzene	ND	0.20	EPA 8260D	9-15-21	9-15-21	
2-Chlorotoluene	ND	0.20	EPA 8260D	9-15-21	9-15-21	
4-Chlorotoluene	ND	0.20	EPA 8260D	9-15-21	9-15-21	
1,3,5-Trimethylbenzene	ND	0.20	EPA 8260D	9-15-21	9-15-21	
tert-Butylbenzene	ND	0.20	EPA 8260D	9-15-21	9-15-21	
1,2,4-Trimethylbenzene	ND	0.20	EPA 8260D	9-15-21	9-15-21	
sec-Butylbenzene	ND	0.20	EPA 8260D	9-15-21	9-15-21	
1,3-Dichlorobenzene	ND	0.20	EPA 8260D	9-15-21	9-15-21	
p-Isopropyltoluene	ND	0.20	EPA 8260D	9-15-21	9-15-21	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	9-15-21	9-15-21	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	9-15-21	9-15-21	
n-Butylbenzene	ND	0.20	EPA 8260D	9-15-21	9-15-21	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260D	9-15-21	9-15-21	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260D	9-15-21	9-15-21	
Hexachlorobutadiene	ND	1.0	EPA 8260D	9-15-21	9-15-21	
Naphthalene	ND ND	1.0	EPA 8260D	9-15-21	9-15-21	
1,2,3-Trichlorobenzene	ND ND	0.20	EPA 8260D EPA 8260D	9-15-21 9-15-21	9-15-21 9-15-21	
Surrogate:	Percent Recovery		EFA 0200D	ਰ-10-∠।	ਰ-10-∠1	

Surrogate:	Percent Recovery	Control Limits
Dibromofluoromethane	100	75-127
Toluene-d8	97	80-127
4-Bromofluorobenzene	96	78-125



Laboratory Reference: 2109-115

Project: 060172

VOLATILE ORGANICS EPA 8260D QUALITY CONTROL

					Per	cent	Recovery		RPD	
Analyte	Result		Spike	Spike Level		overy	Limits	RPD	Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB09	15W1								
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	9.26	9.45	10.0	10.0	93	95	78-124	2	19	
Benzene	8.96	9.04	10.0	10.0	90	90	80-119	1	16	
Trichloroethene	9.77	9.70	10.0	10.0	98	97	80-121	1	18	
Toluene	9.32	9.24	10.0	10.0	93	92	80-117	1	18	
Chlorobenzene	9.84	9.98	10.0	10.0	98	100	80-117	1	17	
Surrogate:										
Dibromofluoromethane					98	97	75-127			
Toluene-d8					99	97	80-127			
4-Bromofluorobenzene					102	102	78-125			

Laboratory Reference: 2109-115

Project: 060172

HEXANE EXTRACTABLE MATERIAL NON-POLAR EPA 1664

Matrix: Water
Units: mg/L (ppm)

				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	LGAC-1,2,3-EFF-091421 Comp.					
Laboratory ID:	09-115-01,02,03 Comp.					
Non Polar HEM	ND	6.8	EPA 1664A	9-17-21	9-17-21	
Client ID:	LGAC-1,2,3-INF-091421 Comp.					
Laboratory ID:	09-115-04,05,06 Comp.					
Non Polar HEM	ND	6.5	EPA 1664A	9-17-21	9-17-21	•

Laboratory Reference: 2109-115

Project: 060172

HEXANE EXTRACTABLE MATERIAL NON-POLAR EPA 1664 QUALITY CONTROL

Matrix: Water
Units: mg/L (ppm)

				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0917W1					
Non Polar HEM	ND	5.0	EPA 1664A	9-17-21	9-17-21	

					Pe	ercent	Recovery		RPD	
Analyte	Re	sult	Spike	Level	Red	covery	Limits	RPD	Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB09	17W1								
	SB	SBD	SB	SBD	SB	SBD				
Non Polar HEM	14.0	14.1	20.0	20.0	70	71	66-105	1	19	



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.
- 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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Sample S	Data Package: Standard			ate	Reviewed/Date	Reviewed/Date	R
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	Comments/Special Instructions				Company	Signature	
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Check One Constitution			2		1242	WAC- 3-INF-091421	0
Check One Check One			2		1237	16AC-2-	O
Check One CONSULTING Consulting Cother) Cother		X	6		1932	46AC-1-	工
Check One) CONSULTING Consul			2		1220	LGAC-	12
Check One) COSCUITION CONSULTION CONSUL			2		1221	LGAC-	N
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Check One) Consuming Same Day Sam	Semive (with loc PAHs & PCBs & Organo Organo	NWTP NWTP Volatile Haloge					Lab
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N Span (Check One) Consultring Same Day	8270E/ I PAHs) SIM (lov ne Pesti horus P	Acid DD Volatiles				3/CM4	7
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CONSULTING Check One	081B es 8270)		3 Days	2 Days	00072	5 7
5) 883-3881 • www.onsite-env.com	E/SIM				Same Day	Consi	D C
				е)	(Check On	Phone: (425) 883-3881 • www.onsite-env.com	2



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

October 25, 2021

Jeremy Porter Aspect Consulting Dexter Horton Building 710 2nd Avenue, Suite 550 Seattle, WA 98104

Re: Analytical Data for Project 060172

Laboratory Reference No. 2110-168

Dear Jeremy:

Enclosed are the analytical results and associated quality control data for samples submitted on October 20, 2021.

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,

David Baumeister Project Manager

Enclosures



Project: 060172

Case Narrative

Samples were collected on October 20, 2021 and received by the laboratory on October 20, 2021. 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.

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-Gx Analysis

The chromatogram for sample LGAC-INF-1-102021 is not similar to a typical gas.

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.

Project: 060172

GASOLINE RANGE ORGANICS NWTPH-Gx

Matrix: Water
Units: ug/L (ppb)

				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	LGAC-INF-1-102021					
Laboratory ID:	10-168-02					
Gasoline	710	500	NWTPH-Gx	10-21-21	10-21-21	Т
Surrogate:	Percent Recovery	Control Limits				
Fluorobenzene	91	66-117				

Project: 060172

GASOLINE RANGE ORGANICS NWTPH-Gx QUALITY CONTROL

Matrix: Water
Units: ug/L (ppb)

				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1021W1					
Gasoline	ND	100	NWTPH-Gx	10-21-21	10-21-21	
Surrogate:	Percent Recovery	Control Limits				
Fluorobenzene	91	66-117				

Analyte	Res	sult	Spike Leve	Source el Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE									
Laboratory ID:	10-16	68-02							
	ORIG	DUP							
Gasoline	710	780	NA N	A	NA	NA	9	30	
Surrogata:									

Surrogate: 91 92 66-117

Project: 060172

VOLATILE ORGANICS EPA 8260D

page 1 of 2

Analyte Result PQL Method Prepared Analyzed Flags					Date	Date	
Laboratory ID: 10-168-01 Dichlorodifluoromethane ND 10 EPA 8260D 10-21-21 10-21-21 Chloromethane ND 50 EPA 8260D 10-21-21 10-21-21 Vinyl Chloride ND 10 EPA 8260D 10-21-21 10-21-21 Bromomethane ND 10 EPA 8260D 10-21-21 10-21-21 Chloroethane ND 50 EPA 8260D 10-21-21 10-21-21 Tricklorofluoromethane ND 10 EPA 8260D 10-21-21 10-21-21 1,1-Dichloroethene ND 10 EPA 8260D 10-21-21 10-21-21 1,1-Dichloroethene ND 10 EPA 8260D 10-21-21 10-21-21 1,1-Dichloroethene ND 10 EPA 8260D 10-21-21 10-21-21 Carbon Disulfide ND 10 EPA 8260D 10-21-21 10-21-21 Methylene Chloride ND 10 EPA 8260D 10-21-21 10-21-21 Methyle Ether ND	Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Dichlorodifiluoromethane	Client ID:	LGAC-EFF-1-102021					
Chloromethane ND 50 EPA 8260D 10-21-21 10-21-21 Vinyl Chloride ND 10 EPA 8260D 10-21-21 10-21-21 Bromomethane ND 120 EPA 8260D 10-21-21 10-21-21 Chloroethane ND 50 EPA 8260D 10-21-21 10-21-21 Trichlorofluoromethane ND 10 EPA 8260D 10-21-21 10-21-21 Trichloroethene ND 10 EPA 8260D 10-21-21 10-21-21 Acetone 2100 250 EPA 8260D 10-21-21 10-21-21 Idodomethane ND 110 EPA 8260D 10-21-21 10-21-21 Carbon Disulfide ND 10 EPA 8260D 10-21-21 10-21-21 Methylene Chloride ND 10 EPA 8260D 10-21-21 10-21-21 Methylene Chloride ND 10 EPA 8260D 10-21-21 10-21-21 Methylene Chloride ND 10 EPA 8260D 10-21-21 10-21-21	Laboratory ID:	10-168-01					
Vinyl Chloride ND 10 EPA 8260D 10-21-21 10-21-21 Bromomethane ND 120 EPA 8260D 10-21-21 10-21-21 Chloroethane ND 50 EPA 8260D 10-21-21 10-21-21 Trichlorofluoromethane ND 10 EPA 8260D 10-21-21 10-21-21 1,1-Dichloroethene ND 10 EPA 8260D 10-21-21 10-21-21 Acetone 2100 250 EPA 8260D 10-21-21 10-21-21 Idodomethane ND 110 EPA 8260D 10-21-21 10-21-21 Idodomethane ND 10 EPA 8260D 10-21-21 10-21-21 Idodomethane ND 10 EPA 8260D 10-21-21 10-21-21 Idodomethane ND 10 EPA 8260D 10-21-21 10-21-21 Methyl Cher ND 10 EPA 8260D 10-21-21 10-21-21 Methyl Ether ND 10 EPA 8260D 10-21-21 10-21-21	Dichlorodifluoromethane	ND	10	EPA 8260D	10-21-21	10-21-21	
Bromomethane ND 120 EPA 8260D 10-21-21 10-21-21 Chloroethane ND 50 EPA 8260D 10-21-21 10-21-21 Trichlorofluoromethane ND 10 EPA 8260D 10-21-21 10-21-21 1,1-Dichloroethene ND 10 EPA 8260D 10-21-21 10-21-21 Acetone 2100 250 EPA 8260D 10-21-21 10-21-21 Acetone 2100 250 EPA 8260D 10-21-21 10-21-21 Iodomethane ND 110 EPA 8260D 10-21-21 10-21-21 Methylene Chloride ND 50 EPA 8260D 10-21-21 10-21-21 Methylene Chloride ND 50 EPA 8260D 10-21-21 10-21-21 (trans) 1,2-Dichloroethene ND 10 EPA 8260D 10-21-21 10-21-21 Methyl t-Butyl Ether ND 10 EPA 8260D 10-21-21 10-21-21 1,1-Dichloroethane ND 10 EPA 8260D 10-21-21 <td< td=""><td>Chloromethane</td><td>ND</td><td>50</td><td>EPA 8260D</td><td>10-21-21</td><td>10-21-21</td><td></td></td<>	Chloromethane	ND	50	EPA 8260D	10-21-21	10-21-21	
Chloroethane ND 50 EPA 8260D 10-21-21 10-21-21 Trichlorofluoromethane ND 10 EPA 8260D 10-21-21 10-21-21 1,1-Dichloroethene ND 10 EPA 8260D 10-21-21 10-21-21 Acetone 2100 250 EPA 8260D 10-21-21 10-21-21 Iodomethane ND 110 EPA 8260D 10-21-21 10-21-21 Carbon Disulfide ND 10 EPA 8260D 10-21-21 10-21-21 Methylene Chloride ND 50 EPA 8260D 10-21-21 10-21-21 Methylene Chloride ND 10 EPA 8260D 10-21-21 10-21-21 Methyle Surface ND 10 EPA 8260D 10-21-21 1	Vinyl Chloride	ND	10	EPA 8260D	10-21-21	10-21-21	
Trichlorofluoromethane ND 10 EPA 8260D 10-21-21 10-21-21 1,1-Dichloroethene ND 10 EPA 8260D 10-21-21 10-21-21 Acetone 2100 250 EPA 8260D 10-21-21 10-21-21 Iodomethane ND 110 EPA 8260D 10-21-21 10-21-21 Carbon Disulfide ND 10 EPA 8260D 10-21-21 10-21-21 Methylene Chloride ND 50 EPA 8260D 10-21-21 10-21-21 Methyl t-Butyl Ether ND 10 EPA 8260D 10-21-21 10-21-21 Methyl t-Butyl Ether ND 10 EPA 8260D 10-21-21 10-21-21 Methyl t-Butyl Ether ND 10 EPA 8260D 10-21-21 10-21-21 Methyl t-Butyl Ether ND 10 EPA 8260D 10-21-21 10-21-21 Vinyl Acetate ND 10 EPA 8260D 10-21-21 10-21-21 2,2-Dichloroethane ND 10 EPA 8260D 10-21-21	Bromomethane	ND	120	EPA 8260D	10-21-21	10-21-21	
1,1-Dichloroethene ND 10 EPA 8260D 10-21-21 10-21-21 Acetone 2100 250 EPA 8260D 10-21-21 10-21-21 Iodomethane ND 110 EPA 8260D 10-21-21 10-21-21 Carbon Disulfide ND 10 EPA 8260D 10-21-21 10-21-21 Methylene Chloride ND 50 EPA 8260D 10-21-21 10-21-21 (trans) 1,2-Dichloroethene ND 10 EPA 8260D 10-21-21 10-21-21 Methyl t-Butyl Ether ND 10 EPA 8260D 10-21-21 10-21-21 Methyl t-Butyl Ether ND 10 EPA 8260D 10-21-21 10-21-21 Methyl t-Butyl Ether ND 10 EPA 8260D 10-21-21 10-21-21 Methyl t-Butyl Ether ND 10 EPA 8260D 10-21-21 10-21-21 1,1-Dichloroethane ND 10 EPA 8260D 10-21-21 10-21-21 2,2-Dichloroethane ND 10 EPA 8260D 10-21-	Chloroethane	ND	50	EPA 8260D	10-21-21	10-21-21	
Acetone 2100 250 EPA 8260D 10-21-21 10-21-21 Iodomethane ND 110 EPA 8260D 10-21-21 10-21-21 Carbon Disulfide ND 10 EPA 8260D 10-21-21 10-21-21 Methylene Chloride ND 50 EPA 8260D 10-21-21 10-21-21 Methylene Chloride ND 10 EPA 8260D 10-21-21 10-21-21 Methyle Ether ND 10 EPA 8260D 10-21-21 10-21-21 1,1-Dichloroethane ND 10 EPA 8260D 10-21-21 10-21-21 2,2-Dichloroethane ND 10 EPA 8260D 10-21-21 10-21-21 Bromochloromethane ND 10 EPA 8260D 10-21-21 10-21-21	Trichlorofluoromethane	ND	10	EPA 8260D	10-21-21	10-21-21	
lodomethane ND 110 EPA 8260D 10-21-21 10-21-21 Carbon Disulfide ND 10 EPA 8260D 10-21-21 10-21-21 Methylene Chloride ND 50 EPA 8260D 10-21-21 10-21-21 Methyl Ehury ND 10 EPA 8260D 10-21-21 10-21-21 Methyl Elber ND 10 EPA 8260D 10-21-21 10-21-21 Vinyl Acetate ND 10 EPA 8260D 10-21-21 10-21-21 2,2-Dichloropropane ND 10 EPA 8260D 10-21-21 10-21-21 2,2-Dichloropropane ND 10 EPA 8260D 10-21-21 10-21-21	1,1-Dichloroethene	ND	10	EPA 8260D	10-21-21	10-21-21	
Carbon Disulfide ND 10 EPA 8260D 10-21-21 10-21-21 Methylene Chloride ND 50 EPA 8260D 10-21-21 10-21-21 (trans) 1,2-Dichloroethene ND 10 EPA 8260D 10-21-21 10-21-21 Methyl t-Butyl Ether ND 10 EPA 8260D 10-21-21 10-21-21 1,1-Dichloroethane ND 10 EPA 8260D 10-21-21 10-21-21 Vinyl Acetate ND 50 EPA 8260D 10-21-21 10-21-21 2,2-Dichloropropane ND 10 EPA 8260D 10-21-21 10-21-21 (cis) 1,2-Dichloroethene ND 10 EPA 8260D 10-21-21 10-21-21 2,2-Bitalnone ND 10 EPA 8260D 10-21-21 10-21-21 2-Butanone ND 10 EPA 8260D 10-21-21 10-21-21 2-Butanone ND 10 EPA 8260D 10-21-21 10-21-21 2-Butanone ND 10 EPA 8260D 10-21-21 <td< td=""><td>Acetone</td><td>2100</td><td>250</td><td>EPA 8260D</td><td>10-21-21</td><td>10-21-21</td><td></td></td<>	Acetone	2100	250	EPA 8260D	10-21-21	10-21-21	
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(trans) 1,2-Dichloroethene ND 10 EPA 8260D 10-21-21 10-21-21 Methyl t-Butyl Ether ND 10 EPA 8260D 10-21-21 10-21-21 1,1-Dichloroethane ND 10 EPA 8260D 10-21-21 10-21-21 Vinyl Acetate ND 50 EPA 8260D 10-21-21 10-21-21 2,2-Dichloropropane ND 10 EPA 8260D 10-21-21 10-21-21 (cis) 1,2-Dichloroethene ND 10 EPA 8260D 10-21-21 10-21-21 2-Butanone ND 10 EPA 8260D 10-21-21 10-21-21 2-Butanone ND 10 EPA 8260D 10-21-21 10-21-21 2-Butanone ND 10 EPA 8260D 10-21-21 10-21-21 Bromochloromethane ND 10 EPA 8260D 10-21-21 10-21-21 1,1,1-Trichloroethane ND 10 EPA 8260D 10-21-21 10-21-21 1,1-Dichloropropene ND 10 EPA 8260D 10-21-21	Carbon Disulfide	ND	10	EPA 8260D	10-21-21	10-21-21	
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1,1-Dichloroethane ND 10 EPA 8260D 10-21-21 10-21-21 Vinyl Acetate ND 50 EPA 8260D 10-21-21 10-21-21 2,2-Dichloropropane ND 10 EPA 8260D 10-21-21 10-21-21 (cis) 1,2-Dichloroethane ND 10 EPA 8260D 10-21-21 10-21-21 2-Butanone ND 10 EPA 8260D 10-21-21 10-21-21 Bromochloromethane ND 10 EPA 8260D 10-21-21 10-21-21 Chloroform ND 10 EPA 8260D 10-21-21 10-21-21 Chloroform ND 10 EPA 8260D 10-21-21 10-21-21 1,1-1-Trichloroethane ND 10 EPA 8260D 10-21-21 10-21-21 1,1-Dichloropropene ND 10 EPA 8260D 10-21-21 10-21-21 1,2-Dichloropropene ND 10 EPA 8260D 10-21-21 10-21-21 1,2-Dichloropropane ND 10 EPA 8260D 10-21-21	(trans) 1,2-Dichloroethene	e ND	10	EPA 8260D	10-21-21	10-21-21	
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2,2-Dichloropropane ND 10 EPA 8260D 10-21-21 10-21-21 (cis) 1,2-Dichloroethene ND 10 EPA 8260D 10-21-21 10-21-21 2-Butanone ND 250 EPA 8260D 10-21-21 10-21-21 Bromochloromethane ND 10 EPA 8260D 10-21-21 10-21-21 Chloroform ND 10 EPA 8260D 10-21-21 10-21-21 1,1,1-Trichloroethane ND 10 EPA 8260D 10-21-21 10-21-21 Carbon Tetrachloride ND 10 EPA 8260D 10-21-21 10-21-21 Carbon Tetrachloride ND 10 EPA 8260D 10-21-21 10-21-21 L'1-Dichloropropene ND 10 EPA 8260D 10-21-21 10-21-21 Benzene ND 10 EPA 8260D 10-21-21 10-21-21 1,2-Dichloroethane ND 10 EPA 8260D 10-21-21 10-21-21 1,2-Dichloropropane ND 10 EPA 8260D 10-21-21	1,1-Dichloroethane	ND	10	EPA 8260D	10-21-21	10-21-21	
(cis) 1,2-Dichloroethene ND 10 EPA 8260D 10-21-21 10-21-21 2-Butanone ND 250 EPA 8260D 10-21-21 10-21-21 Bromochloromethane ND 10 EPA 8260D 10-21-21 10-21-21 Chloroform ND 10 EPA 8260D 10-21-21 10-21-21 1,1,1-Trichloroethane ND 10 EPA 8260D 10-21-21 10-21-21 Carbon Tetrachloride ND 10 EPA 8260D 10-21-21 10-21-21 1,1-Dichloropropene ND 10 EPA 8260D 10-21-21 10-21-21 1,1-Dichloropropene ND 10 EPA 8260D 10-21-21 10-21-21 1,1-Dichloropropene ND 10 EPA 8260D 10-21-21 10-21-21 1,2-Dichloroethane ND 10 EPA 8260D 10-21-21 10-21-21 1,2-Dichloropropane ND 10 EPA 8260D 10-21-21 10-21-21 Dibromomethane ND 10 EPA 8260D 10-21-21 </td <td>Vinyl Acetate</td> <td>ND</td> <td>50</td> <td>EPA 8260D</td> <td>10-21-21</td> <td>10-21-21</td> <td></td>	Vinyl Acetate	ND	50	EPA 8260D	10-21-21	10-21-21	
2-Butanone ND 250 EPA 8260D 10-21-21 10-21-21 Bromochloromethane ND 10 EPA 8260D 10-21-21 10-21-21 Chloroform ND 10 EPA 8260D 10-21-21 10-21-21 1,1,1-Trichloroethane ND 10 EPA 8260D 10-21-21 10-21-21 Carbon Tetrachloride ND 10 EPA 8260D 10-21-21 10-21-21 1,1-Dichloropropene ND 10 EPA 8260D 10-21-21 10-21-21 1,1-Dichloropropene ND 10 EPA 8260D 10-21-21 10-21-21 1,2-Dichloropropene ND 10 EPA 8260D 10-21-21 10-21-21 1,2-Dichloropropane ND 10 EPA 8260D 10-21-21 10-21-21 1,2-Dichloropropane ND 10 EPA 8260D 10-21-21 10-21-21 1,2-Dichloropropene ND 10 EPA 8260D 10-21-21 10-21-21 1,3-Dichloropropene ND 10 EPA 8260D 10-21-21<	2,2-Dichloropropane	ND	10	EPA 8260D	10-21-21	10-21-21	
Bromochloromethane ND 10 EPA 8260D 10-21-21 10-21-21 Chloroform ND 10 EPA 8260D 10-21-21 10-21-21 1,1,1-Trichloroethane ND 10 EPA 8260D 10-21-21 10-21-21 Carbon Tetrachloride ND 10 EPA 8260D 10-21-21 10-21-21 1,1-Dichloropropene ND 10 EPA 8260D 10-21-21 10-21-21 Benzene ND 10 EPA 8260D 10-21-21 10-21-21 1,2-Dichloroethane ND 10 EPA 8260D 10-21-21 10-21-21 1,2-Dichloropthane ND 10 EPA 8260D 10-21-21 10-21-21 1,2-Dichloropropane ND 10 EPA 8260D 10-21-21 10-21-21 1,2-Dichloropropane ND 10 EPA 8260D 10-21-21 10-21-21 Dibromomethane ND 10 EPA 8260D 10-21-21 10-21-21 (cis) 1,3-Dichloropropene ND 10 EPA 8260D 10-21-21	(cis) 1,2-Dichloroethene	ND	10	EPA 8260D	10-21-21	10-21-21	
Chloroform ND 10 EPA 8260D 10-21-21 10-21-21 1,1,1-Trichloroethane ND 10 EPA 8260D 10-21-21 10-21-21 Carbon Tetrachloride ND 10 EPA 8260D 10-21-21 10-21-21 1,1-Dichloropropene ND 10 EPA 8260D 10-21-21 10-21-21 Benzene ND 10 EPA 8260D 10-21-21 10-21-21 1,2-Dichloroethane ND 10 EPA 8260D 10-21-21 10-21-21 1,2-Dichloropropane ND 10 EPA 8260D 10-21-21 10-21-21 1,2-Dichloropropane ND 10 EPA 8260D 10-21-21 10-21-21 1,2-Dichloropropane ND 10 EPA 8260D 10-21-21 10-21-21 1,3-Dichloropropene ND 10 EPA 8260D 10-21-21 10-21-21 (cis) 1,3-Dichloropropene ND 10 EPA 8260D 10-21-21 10-21-21 Methyl Isobutyl Ketone ND 50 EPA 8260D 10-2	2-Butanone	ND	250	EPA 8260D	10-21-21	10-21-21	
1,1,1-Trichloroethane ND 10 EPA 8260D 10-21-21 10-21-21 Carbon Tetrachloride ND 10 EPA 8260D 10-21-21 10-21-21 1,1-Dichloropropene ND 10 EPA 8260D 10-21-21 10-21-21 Benzene ND 10 EPA 8260D 10-21-21 10-21-21 1,2-Dichloroethane ND 10 EPA 8260D 10-21-21 10-21-21 Trichloroethene ND 10 EPA 8260D 10-21-21 10-21-21 1,2-Dichloropropane ND 10 EPA 8260D 10-21-21 10-21-21 1,2-Dichloropropane ND 10 EPA 8260D 10-21-21 10-21-21 Dibromomethane ND 10 EPA 8260D 10-21-21 10-21-21 Bromodichloropropene ND 10 EPA 8260D 10-21-21 10-21-21 (cis) 1,3-Dichloropropene ND 10 EPA 8260D 10-21-21 10-21-21 Methyl Isobutyl Ketone ND 50 EPA 8260D 10-21-21 10-21-21 Toluene ND 50 EPA 8260D	Bromochloromethane	ND	10	EPA 8260D	10-21-21	10-21-21	
Carbon Tetrachloride ND 10 EPA 8260D 10-21-21 10-21-21 1,1-Dichloropropene ND 10 EPA 8260D 10-21-21 10-21-21 Benzene ND 10 EPA 8260D 10-21-21 10-21-21 1,2-Dichloroethane ND 10 EPA 8260D 10-21-21 10-21-21 Trichloroethene ND 10 EPA 8260D 10-21-21 10-21-21 1,2-Dichloropropane ND 10 EPA 8260D 10-21-21 10-21-21 1,2-Dichloropropane ND 10 EPA 8260D 10-21-21 10-21-21 1,2-Dichloropropane ND 10 EPA 8260D 10-21-21 10-21-21 Bromodichloromethane ND 10 EPA 8260D 10-21-21 10-21-21 (cis) 1,3-Dichloropropene ND 10 EPA 8260D 10-21-21 10-21-21 Methyl Isobutyl Ketone ND 50 EPA 8260D 10-21-21 10-21-21 Toluene ND 50 EPA 8260D 10-21-21 <td>Chloroform</td> <td>ND</td> <td>10</td> <td>EPA 8260D</td> <td>10-21-21</td> <td>10-21-21</td> <td></td>	Chloroform	ND	10	EPA 8260D	10-21-21	10-21-21	
1,1-Dichloropropene ND 10 EPA 8260D 10-21-21 10-21-21 Benzene ND 10 EPA 8260D 10-21-21 10-21-21 1,2-Dichloroethane ND 10 EPA 8260D 10-21-21 10-21-21 Trichloroethene ND 10 EPA 8260D 10-21-21 10-21-21 1,2-Dichloropropane ND 10 EPA 8260D 10-21-21 10-21-21 Dibromomethane ND 10 EPA 8260D 10-21-21 10-21-21 Bromodichloromethane ND 10 EPA 8260D 10-21-21 10-21-21 (cis) 1,3-Dichloropropene ND 10 EPA 8260D 10-21-21 10-21-21 Methyl Isobutyl Ketone ND 100 EPA 8260D 10-21-21 10-21-21 Toluene ND 50 EPA 8260D 10-21-21 10-21-21	1,1,1-Trichloroethane	ND	10	EPA 8260D	10-21-21	10-21-21	
Benzene ND 10 EPA 8260D 10-21-21 10-21-21 1,2-Dichloroethane ND 10 EPA 8260D 10-21-21 10-21-21 Trichloroethene ND 10 EPA 8260D 10-21-21 10-21-21 1,2-Dichloropropane ND 10 EPA 8260D 10-21-21 10-21-21 Dibromomethane ND 10 EPA 8260D 10-21-21 10-21-21 Bromodichloromethane ND 10 EPA 8260D 10-21-21 10-21-21 (cis) 1,3-Dichloropropene ND 10 EPA 8260D 10-21-21 10-21-21 Methyl Isobutyl Ketone ND 100 EPA 8260D 10-21-21 10-21-21 Toluene ND 50 EPA 8260D 10-21-21 10-21-21	Carbon Tetrachloride	ND	10	EPA 8260D	10-21-21	10-21-21	
1,2-Dichloroethane ND 10 EPA 8260D 10-21-21 10-21-21 Trichloroethene ND 10 EPA 8260D 10-21-21 10-21-21 1,2-Dichloropropane ND 10 EPA 8260D 10-21-21 10-21-21 Dibromomethane ND 10 EPA 8260D 10-21-21 10-21-21 Bromodichloromethane ND 10 EPA 8260D 10-21-21 10-21-21 (cis) 1,3-Dichloropropene ND 10 EPA 8260D 10-21-21 10-21-21 Methyl Isobutyl Ketone ND 100 EPA 8260D 10-21-21 10-21-21 Toluene ND 50 EPA 8260D 10-21-21 10-21-21	1,1-Dichloropropene	ND	10	EPA 8260D	10-21-21	10-21-21	
Trichloroethene ND 10 EPA 8260D 10-21-21 10-21-21 1,2-Dichloropropane ND 10 EPA 8260D 10-21-21 10-21-21 Dibromomethane ND 10 EPA 8260D 10-21-21 10-21-21 Bromodichloromethane ND 10 EPA 8260D 10-21-21 10-21-21 (cis) 1,3-Dichloropropene ND 10 EPA 8260D 10-21-21 10-21-21 Methyl Isobutyl Ketone ND 100 EPA 8260D 10-21-21 10-21-21 Toluene ND 50 EPA 8260D 10-21-21 10-21-21	Benzene	ND	10	EPA 8260D	10-21-21	10-21-21	
1,2-Dichloropropane ND 10 EPA 8260D 10-21-21 10-21-21 Dibromomethane ND 10 EPA 8260D 10-21-21 10-21-21 Bromodichloromethane ND 10 EPA 8260D 10-21-21 10-21-21 (cis) 1,3-Dichloropropene ND 10 EPA 8260D 10-21-21 10-21-21 Methyl Isobutyl Ketone ND 100 EPA 8260D 10-21-21 10-21-21 Toluene ND 50 EPA 8260D 10-21-21 10-21-21	1,2-Dichloroethane	ND	10	EPA 8260D	10-21-21	10-21-21	
Dibromomethane ND 10 EPA 8260D 10-21-21 10-21-21 Bromodichloromethane ND 10 EPA 8260D 10-21-21 10-21-21 (cis) 1,3-Dichloropropene ND 10 EPA 8260D 10-21-21 10-21-21 Methyl Isobutyl Ketone ND 100 EPA 8260D 10-21-21 10-21-21 Toluene ND 50 EPA 8260D 10-21-21 10-21-21	Trichloroethene	ND	10	EPA 8260D	10-21-21	10-21-21	
Bromodichloromethane ND 10 EPA 8260D 10-21-21 10-21-21 (cis) 1,3-Dichloropropene ND 10 EPA 8260D 10-21-21 10-21-21 Methyl Isobutyl Ketone ND 100 EPA 8260D 10-21-21 10-21-21 Toluene ND 50 EPA 8260D 10-21-21 10-21-21	1,2-Dichloropropane	ND	10	EPA 8260D	10-21-21	10-21-21	
(cis) 1,3-Dichloropropene ND 10 EPA 8260D 10-21-21 10-21-21 Methyl Isobutyl Ketone ND 100 EPA 8260D 10-21-21 10-21-21 Toluene ND 50 EPA 8260D 10-21-21 10-21-21	Dibromomethane	ND	10	EPA 8260D	10-21-21	10-21-21	
Methyl Isobutyl Ketone ND 100 EPA 8260D 10-21-21 10-21-21 Toluene ND 50 EPA 8260D 10-21-21 10-21-21	Bromodichloromethane	ND	10	EPA 8260D	10-21-21	10-21-21	
Toluene ND 50 EPA 8260D 10-21-21 10-21-21	(cis) 1,3-Dichloropropene	ND	10	EPA 8260D	10-21-21	10-21-21	
	Methyl Isobutyl Ketone	ND	100	EPA 8260D	10-21-21	10-21-21	
(trans) 1,3-Dichloropropene ND 10 EPA 8260D 10-21-21 10-21-21	Toluene	ND	50	EPA 8260D	10-21-21	10-21-21	
	(trans) 1,3-Dichloropropen	ne ND	10	EPA 8260D	10-21-21	10-21-21	

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				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	GAC-EFF-1-102021					
Laboratory ID:	10-168-01					
1,1,2-Trichloroethane	ND	10	EPA 8260D	10-21-21	10-21-21	
Tetrachloroethene	ND	10	EPA 8260D	10-21-21	10-21-21	
1,3-Dichloropropane	ND	10	EPA 8260D	10-21-21	10-21-21	
2-Hexanone	ND	100	EPA 8260D	10-21-21	10-21-21	
Dibromochloromethane	ND	10	EPA 8260D	10-21-21	10-21-21	
1,2-Dibromoethane	ND	10	EPA 8260D	10-21-21	10-21-21	
Chlorobenzene	ND	10	EPA 8260D	10-21-21	10-21-21	
1,1,1,2-Tetrachloroethane	ND	10	EPA 8260D	10-21-21	10-21-21	
Ethylbenzene	ND	10	EPA 8260D	10-21-21	10-21-21	
m,p-Xylene	ND	20	EPA 8260D	10-21-21	10-21-21	
o-Xylene	ND	10	EPA 8260D	10-21-21	10-21-21	
Styrene	ND	10	EPA 8260D	10-21-21	10-21-21	
Bromoform	ND	50	EPA 8260D	10-21-21	10-21-21	
Isopropylbenzene	ND	10	EPA 8260D	10-21-21	10-21-21	
Bromobenzene	ND	10	EPA 8260D	10-21-21	10-21-21	
1,1,2,2-Tetrachloroethane	ND	10	EPA 8260D	10-21-21	10-21-21	
1,2,3-Trichloropropane	ND	10	EPA 8260D	10-21-21	10-21-21	
n-Propylbenzene	ND	10	EPA 8260D	10-21-21	10-21-21	
2-Chlorotoluene	ND	10	EPA 8260D	10-21-21	10-21-21	
4-Chlorotoluene	ND	10	EPA 8260D	10-21-21	10-21-21	
1,3,5-Trimethylbenzene	ND	10	EPA 8260D	10-21-21	10-21-21	
tert-Butylbenzene	ND	10	EPA 8260D	10-21-21	10-21-21	
1,2,4-Trimethylbenzene	ND	10	EPA 8260D	10-21-21	10-21-21	
sec-Butylbenzene	ND	10	EPA 8260D	10-21-21	10-21-21	
1,3-Dichlorobenzene	ND	10	EPA 8260D	10-21-21	10-21-21	
p-Isopropyltoluene	ND	10	EPA 8260D	10-21-21	10-21-21	
1,4-Dichlorobenzene	ND	10	EPA 8260D	10-21-21	10-21-21	
1,2-Dichlorobenzene	ND	10	EPA 8260D	10-21-21	10-21-21	
n-Butylbenzene	ND	10	EPA 8260D	10-21-21	10-21-21	
1,2-Dibromo-3-chloropropan	ie ND	50	EPA 8260D	10-21-21	10-21-21	
1,2,4-Trichlorobenzene	ND	10	EPA 8260D	10-21-21	10-21-21	
Hexachlorobutadiene	ND	50	EPA 8260D	10-21-21	10-21-21	
Naphthalene	ND	50	EPA 8260D	10-21-21	10-21-21	
1,2,3-Trichlorobenzene	ND	10	EPA 8260D	10-21-21	10-21-21	
Surrogate:	Percent Recovery	Control Limits				
Dibromofluoromethane	99	75-127				
T / 10	00	00.407				

Dibromofluoromethane 99 75-127
Toluene-d8 99 80-127
4-Bromofluorobenzene 98 78-125



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omo. ug/L				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	LGAC-INF-1-102021					
Laboratory ID:	10-168-02					
Dichlorodifluoromethane	ND	10	EPA 8260D	10-21-21	10-21-21	
Chloromethane	ND	50	EPA 8260D	10-21-21	10-21-21	
Vinyl Chloride	ND	10	EPA 8260D	10-21-21	10-21-21	
Bromomethane	ND	120	EPA 8260D	10-21-21	10-21-21	
Chloroethane	ND	50	EPA 8260D	10-21-21	10-21-21	
Trichlorofluoromethane	ND	10	EPA 8260D	10-21-21	10-21-21	
1,1-Dichloroethene	ND	10	EPA 8260D	10-21-21	10-21-21	
Acetone	3600	250	EPA 8260D	10-21-21	10-21-21	
lodomethane	ND	110	EPA 8260D	10-21-21	10-21-21	
Carbon Disulfide	ND	10	EPA 8260D	10-21-21	10-21-21	
Methylene Chloride	ND	50	EPA 8260D	10-21-21	10-21-21	
(trans) 1,2-Dichloroethene	ND	10	EPA 8260D	10-21-21	10-21-21	
Methyl t-Butyl Ether	ND	10	EPA 8260D	10-21-21	10-21-21	
1,1-Dichloroethane	ND	10	EPA 8260D	10-21-21	10-21-21	
Vinyl Acetate	ND	50	EPA 8260D	10-21-21	10-21-21	
2,2-Dichloropropane	ND	10	EPA 8260D	10-21-21	10-21-21	
(cis) 1,2-Dichloroethene	ND	10	EPA 8260D	10-21-21	10-21-21	
2-Butanone	400	250	EPA 8260D	10-21-21	10-21-21	
Bromochloromethane	ND	10	EPA 8260D	10-21-21	10-21-21	
Chloroform	ND	10	EPA 8260D	10-21-21	10-21-21	
1,1,1-Trichloroethane	ND	10	EPA 8260D	10-21-21	10-21-21	
Carbon Tetrachloride	ND	10	EPA 8260D	10-21-21	10-21-21	
1,1-Dichloropropene	ND	10	EPA 8260D	10-21-21	10-21-21	
Benzene	ND	10	EPA 8260D	10-21-21	10-21-21	
1,2-Dichloroethane	ND	10	EPA 8260D	10-21-21	10-21-21	
Trichloroethene	ND	10	EPA 8260D	10-21-21	10-21-21	
1,2-Dichloropropane	ND	10	EPA 8260D	10-21-21	10-21-21	
Dibromomethane	ND	10	EPA 8260D	10-21-21	10-21-21	
Bromodichloromethane	ND	10	EPA 8260D	10-21-21	10-21-21	
(cis) 1,3-Dichloropropene	ND	10	EPA 8260D	10-21-21	10-21-21	
Methyl Isobutyl Ketone	ND	100	EPA 8260D	10-21-21	10-21-21	
Toluene	ND	50	EPA 8260D	10-21-21	10-21-21	
(trans) 1,3-Dichloropropen	e ND	10	EPA 8260D	10-21-21	10-21-21	

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				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID: L	GAC-INF-1-102021					
Laboratory ID:	10-168-02					
1,1,2-Trichloroethane	ND	10	EPA 8260D	10-21-21	10-21-21	
Tetrachloroethene	12	10	EPA 8260D	10-21-21	10-21-21	
1,3-Dichloropropane	ND	10	EPA 8260D	10-21-21	10-21-21	
2-Hexanone	ND	100	EPA 8260D	10-21-21	10-21-21	
Dibromochloromethane	ND	10	EPA 8260D	10-21-21	10-21-21	
1,2-Dibromoethane	ND	10	EPA 8260D	10-21-21	10-21-21	
Chlorobenzene	ND	10	EPA 8260D	10-21-21	10-21-21	
1,1,1,2-Tetrachloroethane	ND	10	EPA 8260D	10-21-21	10-21-21	
Ethylbenzene	ND	10	EPA 8260D	10-21-21	10-21-21	
m,p-Xylene	ND	20	EPA 8260D	10-21-21	10-21-21	
o-Xylene	ND	10	EPA 8260D	10-21-21	10-21-21	
Styrene	ND	10	EPA 8260D	10-21-21	10-21-21	
Bromoform	ND	50	EPA 8260D	10-21-21	10-21-21	
Isopropylbenzene	ND	10	EPA 8260D	10-21-21	10-21-21	
Bromobenzene	ND	10	EPA 8260D	10-21-21	10-21-21	
1,1,2,2-Tetrachloroethane	ND	10	EPA 8260D	10-21-21	10-21-21	
1,2,3-Trichloropropane	ND	10	EPA 8260D	10-21-21	10-21-21	
n-Propylbenzene	ND	10	EPA 8260D	10-21-21	10-21-21	
2-Chlorotoluene	ND	10	EPA 8260D	10-21-21	10-21-21	
4-Chlorotoluene	ND	10	EPA 8260D	10-21-21	10-21-21	
1,3,5-Trimethylbenzene	ND	10	EPA 8260D	10-21-21	10-21-21	
tert-Butylbenzene	ND	10	EPA 8260D	10-21-21	10-21-21	
1,2,4-Trimethylbenzene	ND	10	EPA 8260D	10-21-21	10-21-21	
sec-Butylbenzene	ND	10	EPA 8260D	10-21-21	10-21-21	
1,3-Dichlorobenzene	ND	10	EPA 8260D	10-21-21	10-21-21	
p-lsopropyltoluene	ND	10	EPA 8260D	10-21-21	10-21-21	
1,4-Dichlorobenzene	ND	10	EPA 8260D	10-21-21	10-21-21	
1,2-Dichlorobenzene	ND	10	EPA 8260D	10-21-21	10-21-21	
n-Butylbenzene	ND	10	EPA 8260D	10-21-21	10-21-21	
1,2-Dibromo-3-chloropropane	e ND	50	EPA 8260D	10-21-21	10-21-21	
1,2,4-Trichlorobenzene	ND	10	EPA 8260D	10-21-21	10-21-21	
Hexachlorobutadiene	ND	50	EPA 8260D	10-21-21	10-21-21	
Naphthalene	130	50	EPA 8260D	10-21-21	10-21-21	
1,2,3-Trichlorobenzene	ND	10	EPA 8260D	10-21-21	10-21-21	
Surrogate:	Percent Recovery	Control Limits				
Dib wa ma after a wa ma a tha a m -	100	75 407				

Dibromofluoromethane 100 75-127
Toluene-d8 99 80-127
4-Bromofluorobenzene 99 78-125



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				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	LGAC-MID-1-102021					
Laboratory ID:	10-168-03					
Dichlorodifluoromethane	ND	10	EPA 8260D	10-21-21	10-21-21	
Chloromethane	ND	50	EPA 8260D	10-21-21	10-21-21	
Vinyl Chloride	ND	10	EPA 8260D	10-21-21	10-21-21	
Bromomethane	ND	120	EPA 8260D	10-21-21	10-21-21	
Chloroethane	ND	50	EPA 8260D	10-21-21	10-21-21	
Trichlorofluoromethane	ND	10	EPA 8260D	10-21-21	10-21-21	
1,1-Dichloroethene	ND	10	EPA 8260D	10-21-21	10-21-21	
Acetone	2900	250	EPA 8260D	10-21-21	10-21-21	
lodomethane	ND	110	EPA 8260D	10-21-21	10-21-21	
Carbon Disulfide	ND	10	EPA 8260D	10-21-21	10-21-21	
Methylene Chloride	ND	50	EPA 8260D	10-21-21	10-21-21	
(trans) 1,2-Dichloroethene	ND	10	EPA 8260D	10-21-21	10-21-21	
Methyl t-Butyl Ether	ND	10	EPA 8260D	10-21-21	10-21-21	
1,1-Dichloroethane	ND	10	EPA 8260D	10-21-21	10-21-21	
Vinyl Acetate	ND	50	EPA 8260D	10-21-21	10-21-21	
2,2-Dichloropropane	ND	10	EPA 8260D	10-21-21	10-21-21	
(cis) 1,2-Dichloroethene	ND	10	EPA 8260D	10-21-21	10-21-21	
2-Butanone	ND	250	EPA 8260D	10-21-21	10-21-21	
Bromochloromethane	ND	10	EPA 8260D	10-21-21	10-21-21	
Chloroform	ND	10	EPA 8260D	10-21-21	10-21-21	
1,1,1-Trichloroethane	ND	10	EPA 8260D	10-21-21	10-21-21	
Carbon Tetrachloride	ND	10	EPA 8260D	10-21-21	10-21-21	
1,1-Dichloropropene	ND	10	EPA 8260D	10-21-21	10-21-21	
Benzene	ND	10	EPA 8260D	10-21-21	10-21-21	
1,2-Dichloroethane	ND	10	EPA 8260D	10-21-21	10-21-21	
Trichloroethene	ND	10	EPA 8260D	10-21-21	10-21-21	
1,2-Dichloropropane	ND	10	EPA 8260D	10-21-21	10-21-21	
Dibromomethane	ND	10	EPA 8260D	10-21-21	10-21-21	
Bromodichloromethane	ND	10	EPA 8260D	10-21-21	10-21-21	
(cis) 1,3-Dichloropropene	ND	10	EPA 8260D	10-21-21	10-21-21	
Methyl Isobutyl Ketone	ND	100	EPA 8260D	10-21-21	10-21-21	
Toluene	ND	50	EPA 8260D	10-21-21	10-21-21	
(trans) 1,3-Dichloropropen	e ND	10	EPA 8260D	10-21-21	10-21-21	

Project: 060172

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Analyte Result PQL Method Prepared Analyzed Flate Client ID: LGAC-MID-1-102021 Laboratory ID: 10-168-03					Date	Date	
Laboratory ID:	Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
1,1,2-Trichloroethane ND 10 EPA 8260D 10-21-21 10-21-21 Tetrachloroethene ND 10 EPA 8260D 10-21-21 10-21-21 1,3-Dichloropropane ND 10 EPA 8260D 10-21-21 10-21-21 2-Hexanone ND 100 EPA 8260D 10-21-21 10-21-21 Dibromochloromethane ND 10 EPA 8260D 10-21-21 10-21-21 1,2-Dibromoethane ND 10 EPA 8260D 10-21-21 10-21-21 1,2-Dibromoethane ND 10 EPA 8260D 10-21-21 10-21-21 1,2-Dibromoethane ND 10 EPA 8260D 10-21-21 10-21-21 1,1,1,2-Tetrachloroethane ND 10 EPA 8260D 10-21-21 10-21-21 1,1,1,2-Tetrachloroethane ND 10 EPA 8260D 10-21-21 10-21-21 mp-Xylene ND 10 EPA 8260D 10-21-21 10-21-21 mp-Xylene ND 10 EPA 8260D 10-21-21	Client ID:	GAC-MID-1-102021					
Tetrachloroethene ND 10 EPA 8260D 10-21-21 10-21-21 1,3-Dichloropropane ND 10 EPA 8260D 10-21-21 10-21-21 2-Hexanone ND 100 EPA 8260D 10-21-21 10-21-21 Dibromochloromethane ND 10 EPA 8260D 10-21-21 10-21-21 1,2-Dibromoethane ND 10 EPA 8260D 10-21-21 10-21-21 Chlorobenzene ND 10 EPA 8260D 10-21-21 10-21-21 Lylene ND 10 EPA 8260D 10-21-21 10-21-21 Stylene ND 10 EPA 8260D 10-21-21 10-21-21 Stylene ND 10 EPA 8260D 10-21-21 10-21-21	Laboratory ID:	10-168-03					
1,3-Dichloropropane ND 10 EPA 8260D 10-21-21 10-21-21 2-Hexanone ND 100 EPA 8260D 10-21-21 10-21-21 Dibromochloromethane ND 10 EPA 8260D 10-21-21 10-21-21 1,2-Dibromoethane ND 10 EPA 8260D 10-21-21 10-21-21 Chlorobenzene ND 10 EPA 8260D 10-21-21 10-21-21 1,1,1,2-Tetrachloroethane ND 10 EPA 8260D 10-21-21 10-21-21 1,1,1,2-Tetrachloroethane ND 10 EPA 8260D 10-21-21 10-21-21 1,1,1,2-Tetrachloroethane ND 10 EPA 8260D 10-21-21 10-21-21 Ethylbenzene ND 10 EPA 8260D 10-21-21 10-21-21 e-Xylene ND 10 EPA 8260D 10-21-21 10-21-21 Styrene ND 10 EPA 8260D 10-21-21 10-21-21 Bromoform ND 10 EPA 8260D 10-21-21 10-21	1,1,2-Trichloroethane	ND	10	EPA 8260D	10-21-21	10-21-21	
2-Hexanone ND 100 EPA 8260D 10-21-21 10-21-21 Dibromochloromethane ND 10 EPA 8260D 10-21-21 10-21-21 1,2-Dibromoethane ND 10 EPA 8260D 10-21-21 10-21-21 Chlorobenzene ND 10 EPA 8260D 10-21-21 10-21-21 1,1,2-Tetrachloroethane ND 10 EPA 8260D 10-21-21 10-21-21 Ethylbenzene ND 10 EPA 8260D 10-21-21 10-21-21 m.p-Xylene ND 10 EPA 8260D 10-21-21 10-21-21 o-Xylene ND 10 EPA 8260D 10-21-21 10-21-21 Styrene ND 10 EPA 8260D 10-21-21 10-21-21 Styrene ND 10 EPA 8260D 10-21-21 10-21-21 Bromoform ND 50 EPA 8260D 10-21-21 10-21-21 Bromobenzene ND 10 EPA 8260D 10-21-21 10-21-21 1,	Tetrachloroethene	ND	10	EPA 8260D	10-21-21	10-21-21	
Dibromochloromethane ND 10 EPA 8260D 10-21-21 10-21-21 1,2-Dibromoethane ND 10 EPA 8260D 10-21-21 10-21-21 Chlorobenzene ND 10 EPA 8260D 10-21-21 10-21-21 1,1,1,2-Tetrachloroethane ND 10 EPA 8260D 10-21-21 10-21-21 1,1,1,2-Tetrachloroethane ND 10 EPA 8260D 10-21-21 10-21-21 1,1,1,2-Tetrachloroethane ND 10 EPA 8260D 10-21-21 10-21-21 Ethylbenzene ND 10 EPA 8260D 10-21-21 10-21-21 mp-Xylene ND 20 EPA 8260D 10-21-21 10-21-21 Styrene ND 10 EPA 8260D 10-21-21 10-21-21 Styrene ND 10 EPA 8260D 10-21-21 10-21-21 Bromoform ND 10 EPA 8260D 10-21-21 10-21-21 Isopropylbenzene ND 10 EPA 8260D 10-21-21 10-21-21 <td>1,3-Dichloropropane</td> <td>ND</td> <td>10</td> <td>EPA 8260D</td> <td>10-21-21</td> <td>10-21-21</td> <td></td>	1,3-Dichloropropane	ND	10	EPA 8260D	10-21-21	10-21-21	
1,2-Dibromoethane ND 10 EPA 8260D 10-21-21 10-21-21 Chlorobenzene ND 10 EPA 8260D 10-21-21 10-21-21 1,1,1,2-Tetrachloroethane ND 10 EPA 8260D 10-21-21 10-21-21 Ethylbenzene ND 10 EPA 8260D 10-21-21 10-21-21 m,p-Xylene ND 20 EPA 8260D 10-21-21 10-21-21 o-Xylene ND 10 EPA 8260D 10-21-21 10-21-21 Styrene ND 10 EPA 8260D 10-21-21 10-21-21 Bromoform ND 50 EPA 8260D 10-21-21 10-21-21 Isopropylbenzene ND 10 EPA 8260D 10-21-21 10-21-21 <tr< td=""><td>2-Hexanone</td><td>ND</td><td>100</td><td>EPA 8260D</td><td>10-21-21</td><td>10-21-21</td><td></td></tr<>	2-Hexanone	ND	100	EPA 8260D	10-21-21	10-21-21	
Chlorobenzene ND 10 EPA 8260D 10-21-21 10-21-21 1,1,1,2-Tetrachloroethane ND 10 EPA 8260D 10-21-21 10-21-21 Ethylbenzene ND 10 EPA 8260D 10-21-21 10-21-21 m,p-Xylene ND 20 EPA 8260D 10-21-21 10-21-21 o-Xylene ND 10 EPA 8260D 10-21-21 10-21-21 Styrene ND 10 EPA 8260D 10-21-21 10-21-21 Bromoform ND 50 EPA 8260D 10-21-21 10-21-21 Isopropylbenzene ND 10 EPA 8260D 10-21-21 10-21-21 Isopropylbenzene ND 10 EPA 8260D 10-21-21 10-21-21 Isopropylbenzene ND 10 EPA 8260D 10-21-21 10-21-21 1,2,2-Trichloroptane ND 10 EPA 8260D 10-21-21 10-21-21 1,2,3-Trichloroptane ND 10 EPA 8260D 10-21-21 10-21-21	Dibromochloromethane	ND	10	EPA 8260D	10-21-21	10-21-21	
1,1,1,2-Tetrachloroethane ND 10 EPA 8260D 10-21-21 10-21-21 Ethylbenzene ND 10 EPA 8260D 10-21-21 10-21-21 m,p-Xylene ND 20 EPA 8260D 10-21-21 10-21-21 o-Xylene ND 10 EPA 8260D 10-21-21 10-21-21 Styrene ND 10 EPA 8260D 10-21-21 10-21-21 Bromoform ND 50 EPA 8260D 10-21-21 10-21-21 Isopropylbenzene ND 10 EPA 8260D 10-21-21 10-21-21 Isopropylbenzene ND 10 EPA 8260D 10-21-21 10-21-21 Isopropylbenzene ND 10 EPA 8260D 10-21-21 10-21-21 1,2,2-Tetrachloroethane ND 10 EPA 8260D 10-21-21 10-21-21 1,2,3-Trichloropropane ND 10 EPA 8260D 10-21-21 10-21-21 n-Propylbenzene ND 10 EPA 8260D 10-21-21 10-21-21	1,2-Dibromoethane	ND	10	EPA 8260D	10-21-21	10-21-21	
Ethylbenzene ND 10 EPA 8260D 10-21-21 10-21-21 m,p-Xylene ND 20 EPA 8260D 10-21-21 10-21-21 o-Xylene ND 10 EPA 8260D 10-21-21 10-21-21 Styrene ND 10 EPA 8260D 10-21-21 10-21-21 Bromoform ND 50 EPA 8260D 10-21-21 10-21-21 Isopropylbenzene ND 10 EPA 8260D 10-21-21 10-21-21 Bromobenzene ND 10 EPA 8260D 10-21-21 10-21-21 1,1,2,2-Tetrachloroethane ND 10 EPA 8260D 10-21-21 10-21-21 1,2,3-Trichloropropane ND 10 EPA 8260D 10-21-21 10-21-21 n-Propylbenzene ND 10 EPA 8260D 10-21-21 10-21-21 2-Chlorotoluene ND 10 EPA 8260D 10-21-21 10-21-21 4-Chlorotoluene ND 10 EPA 8260D 10-21-21 10-21-21 <t< td=""><td>Chlorobenzene</td><td>ND</td><td>10</td><td>EPA 8260D</td><td>10-21-21</td><td>10-21-21</td><td></td></t<>	Chlorobenzene	ND	10	EPA 8260D	10-21-21	10-21-21	
m,p-Xylene ND 20 EPA 8260D 10-21-21 10-21-21 o-Xylene ND 10 EPA 8260D 10-21-21 10-21-21 Styrene ND 10 EPA 8260D 10-21-21 10-21-21 Bromoform ND 50 EPA 8260D 10-21-21 10-21-21 Isopropylbenzene ND 10 EPA 8260D 10-21-21 10-21-21 Bromobenzene ND 10 EPA 8260D 10-21-21 10-21-21 Bromobenzene ND 10 EPA 8260D 10-21-21 10-21-21 1,2,2-Tetrachloroethane ND 10 EPA 8260D 10-21-21 10-21-21 1,2,3-Trichloropropane ND 10 EPA 8260D 10-21-21 10-21-21 1,2,4-Chlorotoluene ND 10 EPA 8260D 10-21-21 10-21-21 4-Chlorotoluene ND 10 EPA 8260D 10-21-21 10-21-21 4-Chlorotoluene ND 10 EPA 8260D 10-21-21 10-21-21	1,1,1,2-Tetrachloroethane	ND	10	EPA 8260D	10-21-21	10-21-21	
o-Xylene ND 10 EPA 8260D 10-21-21 10-21-21 Styrene ND 10 EPA 8260D 10-21-21 10-21-21 Bromoform ND 50 EPA 8260D 10-21-21 10-21-21 Isopropylbenzene ND 10 EPA 8260D 10-21-21 10-21-21 Bromobenzene ND 10 EPA 8260D 10-21-21 10-21-21 1,1,2,2-Tetrachloroethane ND 10 EPA 8260D 10-21-21 10-21-21 1,2,3-Trichloropropane ND 10 EPA 8260D 10-21-21 10-21-21 4-Chlorotoluene ND 10 EPA 8260D 10-21-21 10-21-21 4-Chlorotoluene ND 10 EPA 8260D 10-21-21 1	Ethylbenzene	ND	10	EPA 8260D	10-21-21	10-21-21	
Styrene ND 10 EPA 8260D 10-21-21 10-21-21 Bromoform ND 50 EPA 8260D 10-21-21 10-21-21 Isopropylbenzene ND 10 EPA 8260D 10-21-21 10-21-21 Bromobenzene ND 10 EPA 8260D 10-21-21 10-21-21 1,1,2,2-Tetrachloroethane ND 10 EPA 8260D 10-21-21 10-21-21 1,2,3-Trichloropropane ND 10 EPA 8260D 10-21-21 10-21-21 n-Propylbenzene ND 10 EPA 8260D 10-21-21 10-21-21 2-Chlorotoluene ND 10 EPA 8260D 10-21-21 10-21-21 4-Chlorotoluene ND 10 EPA 8260D 10-21-21 10-21-21 4-Chlorotoluene ND 10 EPA 8260D 10-21-21 10-21-21 1,3,5-Trimethylbenzene ND 10 EPA 8260D 10-21-21 10-21-21 1,2,4-Trimethylbenzene ND 10 EPA 8260D 10-21-21 1	m,p-Xylene	ND	20	EPA 8260D	10-21-21	10-21-21	
Bromoform ND 50 EPA 8260D 10-21-21 10-21-21 Isopropylbenzene ND 10 EPA 8260D 10-21-21 10-21-21 Bromobenzene ND 10 EPA 8260D 10-21-21 10-21-21 1,1,2,2-Tetrachloroethane ND 10 EPA 8260D 10-21-21 10-21-21 1,2,3-Trichloropropane ND 10 EPA 8260D 10-21-21 10-21-21 n-Propylbenzene ND 10 EPA 8260D 10-21-21 10-21-21 2-Chlorotoluene ND 10 EPA 8260D 10-21-21 10-21-21 4-Chlorotoluene ND 10 EPA 8260D 10-21-21 10-21-21 1,3,5-Trimethylbenzene ND 10 EPA 8260D 10-21-21	o-Xylene	ND	10	EPA 8260D	10-21-21	10-21-21	
Isopropylbenzene ND	Styrene	ND	10	EPA 8260D	10-21-21	10-21-21	
Bromobenzene ND 10 EPA 8260D 10-21-21 10-21-21 1,1,2,2-Tetrachloroethane ND 10 EPA 8260D 10-21-21 10-21-21 1,2,3-Trichloropropane ND 10 EPA 8260D 10-21-21 10-21-21 1,2,3-Trichloropropane ND 10 EPA 8260D 10-21-21 10-21-21 1,2-Chlorotoluene ND 10 EPA 8260D 10-21-21 10-21-21 4-Chlorotoluene ND 10 EPA 8260D 10-21-21 10-21-21 1,3,5-Trimethylbenzene ND 10 EPA 8260D 10-21-21 10-21-21 1,2,4-Trimethylbenzene ND 10 EPA 8260D 10-21-21 10-21-21 1,2,4-Trimethylbenzene ND 10 EPA 8260D 10-21-21 10-21-21 1,2,4-Trimethylbenzene ND 10 EPA 8260D 10-21-21 10-21-21 1,3-Dichlorobenzene ND 10 EPA 8260D 10-21-21 10-21-21 1,4-Dichlorobenzene ND 10 EPA 8260D<	Bromoform	ND	50	EPA 8260D	10-21-21	10-21-21	
1,1,2,2-Tetrachloroethane ND 10 EPA 8260D 10-21-21 10-21-21 1,2,3-Trichloropropane ND 10 EPA 8260D 10-21-21 10-21-21 n-Propylbenzene ND 10 EPA 8260D 10-21-21 10-21-21 2-Chlorotoluene ND 10 EPA 8260D 10-21-21 10-21-21 4-Chlorotoluene ND 10 EPA 8260D 10-21-21 10-21-21 1,3,5-Trimethylbenzene ND 10 EPA 8260D 10-21-21 10-21-21 tert-Butylbenzene ND 10 EPA 8260D 10-21-21 10-21-21 1,2,4-Trimethylbenzene ND 10 EPA 8260D 10-21-21 10-21-21 sec-Butylbenzene ND 10 EPA 8260D 10-21-21 10-21-21 1,3-Dichlorobenzene ND 10 EPA 8260D 10-21-21 10-21-21 1,4-Dichlorobenzene ND 10 EPA 8260D 10-21-21 10-21-21 1,4-Dichlorobenzene ND 10 EPA 8260D 10-21-21 10-21-21 1,2-Dichlorobenzene ND 10	Isopropylbenzene	ND	10	EPA 8260D	10-21-21	10-21-21	
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2-ChlorotolueneND10EPA 8260D10-21-2110-21-214-ChlorotolueneND10EPA 8260D10-21-2110-21-211,3,5-TrimethylbenzeneND10EPA 8260D10-21-2110-21-21tert-ButylbenzeneND10EPA 8260D10-21-2110-21-211,2,4-TrimethylbenzeneND10EPA 8260D10-21-2110-21-21sec-ButylbenzeneND10EPA 8260D10-21-2110-21-211,3-DichlorobenzeneND10EPA 8260D10-21-2110-21-21p-IsopropyltolueneND10EPA 8260D10-21-2110-21-211,4-DichlorobenzeneND10EPA 8260D10-21-2110-21-211,2-DichlorobenzeneND10EPA 8260D10-21-2110-21-21n-ButylbenzeneND10EPA 8260D10-21-2110-21-21	1,2,3-Trichloropropane	ND	10	EPA 8260D	10-21-21	10-21-21	
4-ChlorotolueneND10EPA 8260D10-21-2110-21-211,3,5-TrimethylbenzeneND10EPA 8260D10-21-2110-21-21tert-ButylbenzeneND10EPA 8260D10-21-2110-21-211,2,4-TrimethylbenzeneND10EPA 8260D10-21-2110-21-21sec-ButylbenzeneND10EPA 8260D10-21-2110-21-211,3-DichlorobenzeneND10EPA 8260D10-21-2110-21-21p-IsopropyltolueneND10EPA 8260D10-21-2110-21-211,4-DichlorobenzeneND10EPA 8260D10-21-2110-21-211,2-DichlorobenzeneND10EPA 8260D10-21-2110-21-21n-ButylbenzeneND10EPA 8260D10-21-2110-21-21	n-Propylbenzene	ND	10	EPA 8260D	10-21-21	10-21-21	
1,3,5-Trimethylbenzene ND 10 EPA 8260D 10-21-21 10-21-21 tert-Butylbenzene ND 10 EPA 8260D 10-21-21 10-21-21 1,2,4-Trimethylbenzene ND 10 EPA 8260D 10-21-21 10-21-21 sec-Butylbenzene ND 10 EPA 8260D 10-21-21 10-21-21 1,3-Dichlorobenzene ND 10 EPA 8260D 10-21-21 10-21-21 p-Isopropyltoluene ND 10 EPA 8260D 10-21-21 10-21-21 1,4-Dichlorobenzene ND 10 EPA 8260D 10-21-21 10-21-21 1,2-Dichlorobenzene ND 10 EPA 8260D 10-21-21 10-21-21 n-Butylbenzene ND 10 EPA 8260D 10-21-21 10-21-21	2-Chlorotoluene	ND	10	EPA 8260D	10-21-21	10-21-21	
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1,2,4-Trimethylbenzene ND 10 EPA 8260D 10-21-21 10-21-21 sec-Butylbenzene ND 10 EPA 8260D 10-21-21 10-21-21 1,3-Dichlorobenzene ND 10 EPA 8260D 10-21-21 10-21-21 p-Isopropyltoluene ND 10 EPA 8260D 10-21-21 10-21-21 1,4-Dichlorobenzene ND 10 EPA 8260D 10-21-21 10-21-21 1,2-Dichlorobenzene ND 10 EPA 8260D 10-21-21 10-21-21 n-Butylbenzene ND 10 EPA 8260D 10-21-21 10-21-21	1,3,5-Trimethylbenzene	ND	10	EPA 8260D	10-21-21	10-21-21	
sec-Butylbenzene ND 10 EPA 8260D 10-21-21 10-21-21 1,3-Dichlorobenzene ND 10 EPA 8260D 10-21-21 10-21-21 p-Isopropyltoluene ND 10 EPA 8260D 10-21-21 10-21-21 1,4-Dichlorobenzene ND 10 EPA 8260D 10-21-21 10-21-21 1,2-Dichlorobenzene ND 10 EPA 8260D 10-21-21 10-21-21 n-Butylbenzene ND 10 EPA 8260D 10-21-21 10-21-21	tert-Butylbenzene	ND	10	EPA 8260D	10-21-21	10-21-21	
1,3-Dichlorobenzene ND 10 EPA 8260D 10-21-21 10-21-21 p-Isopropyltoluene ND 10 EPA 8260D 10-21-21 10-21-21 1,4-Dichlorobenzene ND 10 EPA 8260D 10-21-21 10-21-21 1,2-Dichlorobenzene ND 10 EPA 8260D 10-21-21 10-21-21 n-Butylbenzene ND 10 EPA 8260D 10-21-21 10-21-21	1,2,4-Trimethylbenzene	ND	10	EPA 8260D	10-21-21	10-21-21	
p-Isopropyltoluene ND 10 EPA 8260D 10-21-21 10-21-21 1,4-Dichlorobenzene ND 10 EPA 8260D 10-21-21 10-21-21 1,2-Dichlorobenzene ND 10 EPA 8260D 10-21-21 10-21-21 n-Butylbenzene ND 10 EPA 8260D 10-21-21 10-21-21	sec-Butylbenzene	ND	10	EPA 8260D	10-21-21	10-21-21	
1,4-Dichlorobenzene ND 10 EPA 8260D 10-21-21 10-21-21 1,2-Dichlorobenzene ND 10 EPA 8260D 10-21-21 10-21-21 n-Butylbenzene ND 10 EPA 8260D 10-21-21 10-21-21	1,3-Dichlorobenzene	ND	10	EPA 8260D	10-21-21	10-21-21	
1,2-Dichlorobenzene ND 10 EPA 8260D 10-21-21 10-21-21 n-Butylbenzene ND 10 EPA 8260D 10-21-21 10-21-21	p-Isopropyltoluene	ND	10	EPA 8260D	10-21-21	10-21-21	
n-Butylbenzene ND 10 EPA 8260D 10-21-21 10-21-21	1,4-Dichlorobenzene	ND	10	EPA 8260D	10-21-21	10-21-21	
·	1,2-Dichlorobenzene	ND	10	EPA 8260D	10-21-21	10-21-21	
1,2-Dibromo-3-chloropropane ND 50 EPA 8260D 10-21-21 10-21-21	n-Butylbenzene	ND	10	EPA 8260D	10-21-21	10-21-21	
	1,2-Dibromo-3-chloropropan	e ND	50	EPA 8260D	10-21-21	10-21-21	
1,2,4-Trichlorobenzene ND 10 EPA 8260D 10-21-21 10-21-21	1,2,4-Trichlorobenzene	ND	10	EPA 8260D	10-21-21	10-21-21	
Hexachlorobutadiene ND 50 EPA 8260D 10-21-21 10-21-21	Hexachlorobutadiene	ND	50	EPA 8260D	10-21-21	10-21-21	
Naphthalene ND 50 EPA 8260D 10-21-21 10-21-21	Naphthalene	ND	50	EPA 8260D	10-21-21	10-21-21	
1,2,3-Trichlorobenzene ND 10 EPA 8260D 10-21-21 10-21-21	1,2,3-Trichlorobenzene	ND	10	EPA 8260D	10-21-21	10-21-21	
Surrogate: Percent Recovery Control Limits	Surrogate:	Percent Recovery	Control Limits				
Dibromofluoromethane 101 75-127	Dibromofluoromethane	101	75-127				

4-Bromofluorobenzene

Toluene-d8

80-127

78-125

98

97

Project: 060172

VOLATILE ORGANICS EPA 8260D QUALITY CONTROL

page 1 of 2

Analyte Result PQL Method Prepared And METHOD BLANK Laboratory ID: MB1021W1	0-21-21 0-21-21
Laboratory ID: MB1021W1	
Dichlorodifluoromethane ND 0.20 EPA 8260D 10-21-21 10	0.24.24
Chloromethane ND 1.0 EPA 8260D 10-21-21 10	0-21-21
Vinyl Chloride ND 0.20 EPA 8260D 10-21-21 10	0-21-21
Bromomethane ND 2.3 EPA 8260D 10-21-21 10	0-21-21
Chloroethane ND 1.0 EPA 8260D 10-21-21 10	0-21-21
Trichlorofluoromethane ND 0.20 EPA 8260D 10-21-21 10	0-21-21
1,1-Dichloroethene ND 0.20 EPA 8260D 10-21-21 10	0-21-21
Acetone ND 5.0 EPA 8260D 10-21-21 10	0-21-21
lodomethane ND 2.1 EPA 8260D 10-21-21 10	0-21-21
Carbon Disulfide ND 0.20 EPA 8260D 10-21-21 10	0-21-21
Methylene Chloride ND 1.0 EPA 8260D 10-21-21 10	0-21-21
(trans) 1,2-Dichloroethene ND 0.20 EPA 8260D 10-21-21 10	0-21-21
Methyl t-Butyl Ether ND 0.20 EPA 8260D 10-21-21 10	0-21-21
1,1-Dichloroethane ND 0.20 EPA 8260D 10-21-21 10	0-21-21
Vinyl Acetate ND 1.0 EPA 8260D 10-21-21 10	0-21-21
2,2-Dichloropropane ND 0.20 EPA 8260D 10-21-21 10	0-21-21
(cis) 1,2-Dichloroethene ND 0.20 EPA 8260D 10-21-21 10	0-21-21
2-Butanone ND 5.0 EPA 8260D 10-21-21 10	0-21-21
Bromochloromethane ND 0.20 EPA 8260D 10-21-21 10	0-21-21
Chloroform ND 0.20 EPA 8260D 10-21-21 10	0-21-21
1,1,1-Trichloroethane ND 0.20 EPA 8260D 10-21-21 10	0-21-21
Carbon Tetrachloride ND 0.20 EPA 8260D 10-21-21 10	0-21-21
1,1-Dichloropropene ND 0.20 EPA 8260D 10-21-21 10	0-21-21
Benzene ND 0.20 EPA 8260D 10-21-21 10	0-21-21
1,2-Dichloroethane ND 0.20 EPA 8260D 10-21-21 10	0-21-21
Trichloroethene ND 0.20 EPA 8260D 10-21-21 10	0-21-21
1,2-Dichloropropane ND 0.20 EPA 8260D 10-21-21 10	0-21-21
Dibromomethane ND 0.20 EPA 8260D 10-21-21 10	0-21-21
Bromodichloromethane ND 0.20 EPA 8260D 10-21-21 10	0-21-21
(cis) 1,3-Dichloropropene ND 0.20 EPA 8260D 10-21-21 10	0-21-21
Methyl Isobutyl Ketone ND 2.0 EPA 8260D 10-21-21 10	0-21-21
Toluene ND 1.0 EPA 8260D 10-21-21 10	0-21-21
(trans) 1,3-Dichloropropene ND 0.20 EPA 8260D 10-21-21 10	0-21-21

VOLATILE ORGANICS EPA 8260D QUALITY CONTROL

page 2 of 2

				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1021W1					
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	10-21-21	10-21-21	
Tetrachloroethene	ND	0.20	EPA 8260D	10-21-21	10-21-21	
1,3-Dichloropropane	ND	0.20	EPA 8260D	10-21-21	10-21-21	
2-Hexanone	ND	2.0	EPA 8260D	10-21-21	10-21-21	
Dibromochloromethane	ND	0.20	EPA 8260D	10-21-21	10-21-21	
1,2-Dibromoethane	ND	0.20	EPA 8260D	10-21-21	10-21-21	
Chlorobenzene	ND	0.20	EPA 8260D	10-21-21	10-21-21	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	10-21-21	10-21-21	
Ethylbenzene	ND	0.20	EPA 8260D	10-21-21	10-21-21	
m,p-Xylene	ND	0.40	EPA 8260D	10-21-21	10-21-21	
o-Xylene	ND	0.20	EPA 8260D	10-21-21	10-21-21	
Styrene	ND	0.20	EPA 8260D	10-21-21	10-21-21	
Bromoform	ND	1.0	EPA 8260D	10-21-21	10-21-21	
Isopropylbenzene	ND	0.20	EPA 8260D	10-21-21	10-21-21	
Bromobenzene	ND	0.20	EPA 8260D	10-21-21	10-21-21	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	10-21-21	10-21-21	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	10-21-21	10-21-21	
n-Propylbenzene	ND	0.20	EPA 8260D	10-21-21	10-21-21	
2-Chlorotoluene	ND	0.20	EPA 8260D	10-21-21	10-21-21	
4-Chlorotoluene	ND	0.20	EPA 8260D	10-21-21	10-21-21	
1,3,5-Trimethylbenzene	ND	0.20	EPA 8260D	10-21-21	10-21-21	
tert-Butylbenzene	ND	0.20	EPA 8260D	10-21-21	10-21-21	
1,2,4-Trimethylbenzene	ND	0.20	EPA 8260D	10-21-21	10-21-21	
sec-Butylbenzene	ND	0.20	EPA 8260D	10-21-21	10-21-21	
1,3-Dichlorobenzene	ND	0.20	EPA 8260D	10-21-21	10-21-21	
p-Isopropyltoluene	ND	0.20	EPA 8260D	10-21-21	10-21-21	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	10-21-21	10-21-21	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	10-21-21	10-21-21	
n-Butylbenzene	ND	0.20	EPA 8260D	10-21-21	10-21-21	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260D	10-21-21	10-21-21	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260D	10-21-21	10-21-21	
Hexachlorobutadiene	ND	1.0	EPA 8260D	10-21-21	10-21-21	
Naphthalene	ND	1.0	EPA 8260D	10-21-21	10-21-21	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260D	10-21-21	10-21-21	
Surrogate:	Percent Recovery	Control Limits				

Surrogate:	Percent Recovery	Control Limits
Dibromofluoromethane	99	75-127
Toluene-d8	98	80-127
4-Bromofluorobenzene	98	78-125



Project: 060172

VOLATILE ORGANICS EPA 8260D QUALITY CONTROL

					Source	Per	cent	Recovery		RPD	
Analyte	Res	sult	Spike	Level	Result	Rec	overy	Limits	RPD	Limit	Flags
MATRIX SPIKES											
Laboratory ID:	10-16	69-02									
	MS	MSD	MS	MSD		MS	MSD				
1,1-Dichloroethene	9.45	9.42	10.0	10.0	ND	95	94	68-122	0	15	
Benzene	9.39	9.29	10.0	10.0	ND	94	93	70-121	1	16	
Trichloroethene	9.96	9.69	10.0	10.0	ND	100	97	77-124	3	17	
Toluene	9.46	9.17	10.0	10.0	ND	95	92	72-120	3	19	
Chlorobenzene	10.0	9.60	10.0	10.0	ND	100	96	78-120	4	16	
Surrogate:											
Dibromofluoromethane						100	99	75-127			
Toluene-d8						99	98	80-127			
4-Bromofluorobenzene						99	99	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 gas.
- 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.
- 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

Turnaround Request	Oligili ol
Laboratory Number:	onstony
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Chromatograms with final report Electronic Data Deliverables (EDDs)			Reviewed/Date	Re	Reviewed/Date	Reviev
Data Package: Standard Level III Level IV					sived	Received
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					aived	Received
					Relinquished	Reling
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	10/20/21 1230	10/2	Spect	A A	Relinquished MMMLLON	Relinqu
Comments/Special Instructions	Time	Date	any	Company	Signature	
	<		112	<	16AC-MID-1-102021	O
			110	_	LGAC-INF-2-102021	10
	×		1105 waters	10/20/21 1	16AC-EFF- 2-102021	-
(with PAHs PAHs PCBs Organ Organ Chlor Total TCLP	Volati	NWTF	Time Sampled Matrix	Date Sampled S	Sample Identification	Lab ID
low-level 8270E 8882A nochlor nophos RCRA I MTCA Metals (oil anco	les 826 jenated	PH-HCI PH-Gx/ PH-Gx	(other)		Monique Rutte	Sampled by
phorus Acid He Wetals	OD Volatile		Contain		Jeremy Parter	Project
e) pw-level ticides (Pesticides	es 8260			Standard (7 Days)	Spic'n Span	Project Name.
3081B des 827	D		3 Days	2 Days	060172	
	0)		ay 🔲 1 Day	Same Day	ASpect Cosulting	Project Number
			(Check One)	(C		Compan
10-100	_aboratory Number:	Labora	(in working days)	(in w	14648 NE 95th Street • Redmond, WA 98052	



November 23, 2021

Jeremy Porter Aspect Consulting Dexter Horton Building 710 2nd Avenue, Suite 550 Seattle, WA 98104

Re: Analytical Data for Project 060172

Laboratory Reference No. 2111-180

Dear Jeremy:

Enclosed are the analytical results and associated quality control data for samples submitted on November 17, 2021.

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,

David Baumeister Project Manager

Enclosures



Laboratory Reference: 2111-180

Project: 060172

Case Narrative

Samples were collected on November 16, 2021 and received by the laboratory on November 17, 2021. 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.

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: November 23, 2021 Samples Submitted: November 17, 2021 Laboratory Reference: 2111-180

Project: 060172

GASOLINE RANGE ORGANICS NWTPH-Gx

Matrix: Water Units: ug/L (ppb)

				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	LGAC-INF-111621					
Laboratory ID:	11-180-03					
Gasoline	860	100	NWTPH-Gx	11-19-21	11-19-21	0
Surrogate:	Percent Recovery	Control Limits				
Fluorobenzene	91	66-117				

Laboratory Reference: 2111-180

Project: 060172

GASOLINE RANGE ORGANICS NWTPH-Gx QUALITY CONTROL

Matrix: Water
Units: ug/L (ppb)

				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1119W1					
Gasoline	ND	100	NWTPH-Gx	11-19-21	11-19-21	
Surrogate:	Percent Recovery	Control Limits				
Fluorobenzene	97	66-117				

					Source	Percent	Recovery		RPD	
Analyte	Res	sult	Spike	Level	Result	Recovery	Limits	RPD	Limit	Flags
DUPLICATE										
Laboratory ID:	11-18	30-03								
	ORIG	DUP								
Gasoline	857	771	NA	NA		NA	NA	11	30	
Surrogate:										
Fluorobenzene						91 92	66-117			

Laboratory Reference: 2111-180

Project: 060172

VOLATILE ORGANICS EPA 8260D

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				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	LGAC-EFF-111621					
Laboratory ID:	11-180-01					
Dichlorodifluoromethane	ND	0.80	EPA 8260D	11-19-21	11-19-21	
Chloromethane	ND	4.0	EPA 8260D	11-19-21	11-19-21	
Vinyl Chloride	ND	0.80	EPA 8260D	11-19-21	11-19-21	
Bromomethane	ND	0.80	EPA 8260D	11-19-21	11-19-21	
Chloroethane	ND	4.0	EPA 8260D	11-19-21	11-19-21	
Trichlorofluoromethane	ND	0.80	EPA 8260D	11-19-21	11-19-21	
1,1-Dichloroethene	ND	0.80	EPA 8260D	11-19-21	11-19-21	
Acetone	320	20	EPA 8260D	11-19-21	11-19-21	
lodomethane	ND	5.2	EPA 8260D	11-19-21	11-19-21	
Carbon Disulfide	ND	0.80	EPA 8260D	11-19-21	11-19-21	
Methylene Chloride	ND	4.0	EPA 8260D	11-19-21	11-19-21	
(trans) 1,2-Dichloroethene	ND	0.80	EPA 8260D	11-19-21	11-19-21	
Methyl t-Butyl Ether	ND	0.80	EPA 8260D	11-19-21	11-19-21	
1,1-Dichloroethane	ND	0.80	EPA 8260D	11-19-21	11-19-21	
Vinyl Acetate	ND	4.0	EPA 8260D	11-19-21	11-19-21	
2,2-Dichloropropane	ND	0.80	EPA 8260D	11-19-21	11-19-21	
(cis) 1,2-Dichloroethene	ND	0.80	EPA 8260D	11-19-21	11-19-21	
2-Butanone	ND	20	EPA 8260D	11-19-21	11-19-21	
Bromochloromethane	ND	0.80	EPA 8260D	11-19-21	11-19-21	
Chloroform	ND	0.80	EPA 8260D	11-19-21	11-19-21	
1,1,1-Trichloroethane	ND	0.80	EPA 8260D	11-19-21	11-19-21	
Carbon Tetrachloride	ND	0.80	EPA 8260D	11-19-21	11-19-21	
1,1-Dichloropropene	ND	0.80	EPA 8260D	11-19-21	11-19-21	
Benzene	ND	0.80	EPA 8260D	11-19-21	11-19-21	
1,2-Dichloroethane	ND	0.80	EPA 8260D	11-19-21	11-19-21	
Trichloroethene	ND	0.80	EPA 8260D	11-19-21	11-19-21	
1,2-Dichloropropane	ND	0.80	EPA 8260D	11-19-21	11-19-21	
Dibromomethane	ND	0.80	EPA 8260D	11-19-21	11-19-21	
Bromodichloromethane	ND	0.80	EPA 8260D	11-19-21	11-19-21	
(cis) 1,3-Dichloropropene	ND	0.80	EPA 8260D	11-19-21	11-19-21	
Methyl Isobutyl Ketone	ND	8.0	EPA 8260D	11-19-21	11-19-21	
Toluene	ND	4.0	EPA 8260D	11-19-21	11-19-21	
(trans) 1,3-Dichloropropene	e ND	0.80	EPA 8260D	11-19-21	11-19-21	

Laboratory Reference: 2111-180

Project: 060172

VOLATILE ORGANICS EPA 8260D

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				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	LGAC-EFF-111621					
Laboratory ID:	11-180-01					
1,1,2-Trichloroethane	ND	0.80	EPA 8260D	11-19-21	11-19-21	
Tetrachloroethene	ND	0.80	EPA 8260D	11-19-21	11-19-21	
1,3-Dichloropropane	ND	0.80	EPA 8260D	11-19-21	11-19-21	
2-Hexanone	ND	8.0	EPA 8260D	11-19-21	11-19-21	
Dibromochloromethane	ND	0.80	EPA 8260D	11-19-21	11-19-21	
1,2-Dibromoethane	ND	0.80	EPA 8260D	11-19-21	11-19-21	
Chlorobenzene	ND	0.80	EPA 8260D	11-19-21	11-19-21	
1,1,1,2-Tetrachloroethane	ND	0.80	EPA 8260D	11-19-21	11-19-21	
Ethylbenzene	ND	0.80	EPA 8260D	11-19-21	11-19-21	
m,p-Xylene	ND	1.6	EPA 8260D	11-19-21	11-19-21	
o-Xylene	ND	0.80	EPA 8260D	11-19-21	11-19-21	
Styrene	ND	0.80	EPA 8260D	11-19-21	11-19-21	
Bromoform	ND	4.0	EPA 8260D	11-19-21	11-19-21	
Isopropylbenzene	ND	0.80	EPA 8260D	11-19-21	11-19-21	
Bromobenzene	ND	0.80	EPA 8260D	11-19-21	11-19-21	
1,1,2,2-Tetrachloroethane	ND	0.80	EPA 8260D	11-19-21	11-19-21	
1,2,3-Trichloropropane	ND	0.80	EPA 8260D	11-19-21	11-19-21	
n-Propylbenzene	ND	0.80	EPA 8260D	11-19-21	11-19-21	
2-Chlorotoluene	ND	0.80	EPA 8260D	11-19-21	11-19-21	
4-Chlorotoluene	ND	0.80	EPA 8260D	11-19-21	11-19-21	
1,3,5-Trimethylbenzene	ND	0.80	EPA 8260D	11-19-21	11-19-21	
tert-Butylbenzene	ND	0.80	EPA 8260D	11-19-21	11-19-21	
1,2,4-Trimethylbenzene	ND	0.80	EPA 8260D	11-19-21	11-19-21	
sec-Butylbenzene	ND	0.80	EPA 8260D	11-19-21	11-19-21	
1,3-Dichlorobenzene	ND	0.80	EPA 8260D	11-19-21	11-19-21	
p-Isopropyltoluene	ND	0.80	EPA 8260D	11-19-21	11-19-21	
1,4-Dichlorobenzene	ND	0.80	EPA 8260D	11-19-21	11-19-21	
1,2-Dichlorobenzene	ND	0.80	EPA 8260D	11-19-21	11-19-21	
n-Butylbenzene	ND	0.80	EPA 8260D	11-19-21	11-19-21	
1,2-Dibromo-3-chloropropan	e ND	4.0	EPA 8260D	11-19-21	11-19-21	
1,2,4-Trichlorobenzene	ND	0.80	EPA 8260D	11-19-21	11-19-21	
Hexachlorobutadiene	ND	4.0	EPA 8260D	11-19-21	11-19-21	
Naphthalene	ND	4.0	EPA 8260D	11-19-21	11-19-21	
1,2,3-Trichlorobenzene	ND	0.80	EPA 8260D	11-19-21	11-19-21	
Surrogate:	Percent Recovery	Control Limits				

Surrogate: Percent Recovery Control Limits

Dibromofluoromethane 95 75-127

Toluene-d8 100 80-127

4-Bromofluorobenzene 98 78-125



Laboratory Reference: 2111-180 Project: 060172

VOLATILE ORGANICS EPA 8260D

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				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	LGAC-MID-111621					
Laboratory ID:	11-180-02					
Dichlorodifluoromethane	ND	2.0	EPA 8260D	11-19-21	11-19-21	
Chloromethane	ND	10	EPA 8260D	11-19-21	11-19-21	
Vinyl Chloride	ND	2.0	EPA 8260D	11-19-21	11-19-21	
Bromomethane	ND	2.0	EPA 8260D	11-19-21	11-19-21	
Chloroethane	ND	10	EPA 8260D	11-19-21	11-19-21	
Trichlorofluoromethane	ND	2.0	EPA 8260D	11-19-21	11-19-21	
1,1-Dichloroethene	ND	2.0	EPA 8260D	11-19-21	11-19-21	
Acetone	520	50	EPA 8260D	11-19-21	11-19-21	
Iodomethane	ND	13	EPA 8260D	11-19-21	11-19-21	
Carbon Disulfide	ND	2.0	EPA 8260D	11-19-21	11-19-21	
Methylene Chloride	ND	10	EPA 8260D	11-19-21	11-19-21	
(trans) 1,2-Dichloroethene	ND	2.0	EPA 8260D	11-19-21	11-19-21	
Methyl t-Butyl Ether	ND	2.0	EPA 8260D	11-19-21	11-19-21	
1,1-Dichloroethane	ND	2.0	EPA 8260D	11-19-21	11-19-21	
Vinyl Acetate	ND	10	EPA 8260D	11-19-21	11-19-21	
2,2-Dichloropropane	ND	2.0	EPA 8260D	11-19-21	11-19-21	
(cis) 1,2-Dichloroethene	ND	2.0	EPA 8260D	11-19-21	11-19-21	
2-Butanone	98	50	EPA 8260D	11-19-21	11-19-21	
Bromochloromethane	ND	2.0	EPA 8260D	11-19-21	11-19-21	
Chloroform	ND	2.0	EPA 8260D	11-19-21	11-19-21	
1,1,1-Trichloroethane	ND	2.0	EPA 8260D	11-19-21	11-19-21	
Carbon Tetrachloride	ND	2.0	EPA 8260D	11-19-21	11-19-21	
1,1-Dichloropropene	ND	2.0	EPA 8260D	11-19-21	11-19-21	
Benzene	ND	2.0	EPA 8260D	11-19-21	11-19-21	
1,2-Dichloroethane	ND	2.0	EPA 8260D	11-19-21	11-19-21	
Trichloroethene	ND	2.0	EPA 8260D	11-19-21	11-19-21	
1,2-Dichloropropane	ND	2.0	EPA 8260D	11-19-21	11-19-21	
Dibromomethane	ND	2.0	EPA 8260D	11-19-21	11-19-21	
Bromodichloromethane	ND	2.0	EPA 8260D	11-19-21	11-19-21	
(cis) 1,3-Dichloropropene	ND	2.0	EPA 8260D	11-19-21	11-19-21	
Methyl Isobutyl Ketone	ND	20	EPA 8260D	11-19-21	11-19-21	
Toluene	ND	10	EPA 8260D	11-19-21	11-19-21	
(trans) 1,3-Dichloropropen	e ND	2.0	EPA 8260D	11-19-21	11-19-21	

Laboratory Reference: 2111-180

Project: 060172

VOLATILE ORGANICS EPA 8260D

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				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
	LGAC-MID-111621					
Laboratory ID:	11-180-02					
1,1,2-Trichloroethane	ND	2.0	EPA 8260D	11-19-21	11-19-21	
Tetrachloroethene	ND	2.0	EPA 8260D	11-19-21	11-19-21	
1,3-Dichloropropane	ND	2.0	EPA 8260D	11-19-21	11-19-21	
2-Hexanone	ND	20	EPA 8260D	11-19-21	11-19-21	
Dibromochloromethane	ND	2.0	EPA 8260D	11-19-21	11-19-21	
1,2-Dibromoethane	ND	2.0	EPA 8260D	11-19-21	11-19-21	
Chlorobenzene	ND	2.0	EPA 8260D	11-19-21	11-19-21	
1,1,1,2-Tetrachloroethane	ND	2.0	EPA 8260D	11-19-21	11-19-21	
Ethylbenzene	ND	2.0	EPA 8260D	11-19-21	11-19-21	
m,p-Xylene	ND	4.0	EPA 8260D	11-19-21	11-19-21	
o-Xylene	ND	2.0	EPA 8260D	11-19-21	11-19-21	
Styrene	ND	2.0	EPA 8260D	11-19-21	11-19-21	
Bromoform	ND	10	EPA 8260D	11-19-21	11-19-21	
Isopropylbenzene	ND	2.0	EPA 8260D	11-19-21	11-19-21	
Bromobenzene	ND	2.0	EPA 8260D	11-19-21	11-19-21	
1,1,2,2-Tetrachloroethane	ND	2.0	EPA 8260D	11-19-21	11-19-21	
1,2,3-Trichloropropane	ND	2.0	EPA 8260D	11-19-21	11-19-21	
n-Propylbenzene	ND	2.0	EPA 8260D	11-19-21	11-19-21	
2-Chlorotoluene	ND	2.0	EPA 8260D	11-19-21	11-19-21	
4-Chlorotoluene	ND	2.0	EPA 8260D	11-19-21	11-19-21	
1,3,5-Trimethylbenzene	ND	2.0	EPA 8260D	11-19-21	11-19-21	
tert-Butylbenzene	ND	2.0	EPA 8260D	11-19-21	11-19-21	
1,2,4-Trimethylbenzene	ND	2.0	EPA 8260D	11-19-21	11-19-21	
sec-Butylbenzene	ND	2.0	EPA 8260D	11-19-21	11-19-21	
1,3-Dichlorobenzene	ND	2.0	EPA 8260D	11-19-21	11-19-21	
p-Isopropyltoluene	ND	2.0	EPA 8260D	11-19-21	11-19-21	
1,4-Dichlorobenzene	ND	2.0	EPA 8260D	11-19-21	11-19-21	
1,2-Dichlorobenzene	ND	2.0	EPA 8260D	11-19-21	11-19-21	
n-Butylbenzene	ND	2.0	EPA 8260D	11-19-21	11-19-21	
1,2-Dibromo-3-chloropropan		10	EPA 8260D	11-19-21	11-19-21	
1,2,4-Trichlorobenzene	ND	2.0	EPA 8260D	11-19-21	11-19-21	
Hexachlorobutadiene	ND	10	EPA 8260D	11-19-21	11-19-21	
Naphthalene	ND	10	EPA 8260D	11-19-21	11-19-21	
1,2,3-Trichlorobenzene	ND	2.0	EPA 8260D	11-19-21	11-19-21	
Surrogate:	Percent Recovery	Control Limits				
	. S. Sont resourchy					

95 Dibromofluoromethane 75-127 Toluene-d8 100 80-127 99 78-125 4-Bromofluorobenzene



Laboratory Reference: 2111-180

Project: 060172

VOLATILE ORGANICS EPA 8260D

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				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	LGAC-INF-111621					
Laboratory ID:	11-180-03					
Dichlorodifluoromethane	ND	8.0	EPA 8260D	11-19-21	11-19-21	
Chloromethane	ND	40	EPA 8260D	11-19-21	11-19-21	
Vinyl Chloride	ND	8.0	EPA 8260D	11-19-21	11-19-21	
Bromomethane	ND	8.0	EPA 8260D	11-19-21	11-19-21	
Chloroethane	ND	40	EPA 8260D	11-19-21	11-19-21	
Trichlorofluoromethane	ND	8.0	EPA 8260D	11-19-21	11-19-21	
1,1-Dichloroethene	ND	8.0	EPA 8260D	11-19-21	11-19-21	
Acetone	3100	200	EPA 8260D	11-19-21	11-19-21	
lodomethane	ND	52	EPA 8260D	11-19-21	11-19-21	
Carbon Disulfide	ND	8.0	EPA 8260D	11-19-21	11-19-21	
Methylene Chloride	ND	40	EPA 8260D	11-19-21	11-19-21	
(trans) 1,2-Dichloroethene	ND	8.0	EPA 8260D	11-19-21	11-19-21	
Methyl t-Butyl Ether	ND	8.0	EPA 8260D	11-19-21	11-19-21	
1,1-Dichloroethane	ND	8.0	EPA 8260D	11-19-21	11-19-21	
Vinyl Acetate	ND	40	EPA 8260D	11-19-21	11-19-21	
2,2-Dichloropropane	ND	8.0	EPA 8260D	11-19-21	11-19-21	
(cis) 1,2-Dichloroethene	ND	8.0	EPA 8260D	11-19-21	11-19-21	
2-Butanone	390	200	EPA 8260D	11-19-21	11-19-21	
Bromochloromethane	ND	8.0	EPA 8260D	11-19-21	11-19-21	
Chloroform	ND	8.0	EPA 8260D	11-19-21	11-19-21	
1,1,1-Trichloroethane	ND	8.0	EPA 8260D	11-19-21	11-19-21	
Carbon Tetrachloride	ND	8.0	EPA 8260D	11-19-21	11-19-21	
1,1-Dichloropropene	ND	8.0	EPA 8260D	11-19-21	11-19-21	
Benzene	ND	8.0	EPA 8260D	11-19-21	11-19-21	
1,2-Dichloroethane	ND	8.0	EPA 8260D	11-19-21	11-19-21	
Trichloroethene	ND	8.0	EPA 8260D	11-19-21	11-19-21	
1,2-Dichloropropane	ND	8.0	EPA 8260D	11-19-21	11-19-21	
Dibromomethane	ND	8.0	EPA 8260D	11-19-21	11-19-21	
Bromodichloromethane	ND	8.0	EPA 8260D	11-19-21	11-19-21	
(cis) 1,3-Dichloropropene	ND	8.0	EPA 8260D	11-19-21	11-19-21	
Methyl Isobutyl Ketone	ND	80	EPA 8260D	11-19-21	11-19-21	
Toluene	ND	40	EPA 8260D	11-19-21	11-19-21	
(trans) 1,3-Dichloropropene	ND	8.0	EPA 8260D	11-19-21	11-19-21	

Laboratory Reference: 2111-180

Project: 060172

VOLATILE ORGANICS EPA 8260D

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				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	LGAC-INF-111621					
Laboratory ID:	11-180-03					
1,1,2-Trichloroethane	ND	8.0	EPA 8260D	11-19-21	11-19-21	
Tetrachloroethene	ND	8.0	EPA 8260D	11-19-21	11-19-21	
1,3-Dichloropropane	ND	8.0	EPA 8260D	11-19-21	11-19-21	
2-Hexanone	ND	80	EPA 8260D	11-19-21	11-19-21	
Dibromochloromethane	ND	8.0	EPA 8260D	11-19-21	11-19-21	
1,2-Dibromoethane	ND	8.0	EPA 8260D	11-19-21	11-19-21	
Chlorobenzene	ND	8.0	EPA 8260D	11-19-21	11-19-21	
1,1,1,2-Tetrachloroethane	ND	8.0	EPA 8260D	11-19-21	11-19-21	
Ethylbenzene	ND	8.0	EPA 8260D	11-19-21	11-19-21	
m,p-Xylene	ND	16	EPA 8260D	11-19-21	11-19-21	
o-Xylene	ND	8.0	EPA 8260D	11-19-21	11-19-21	
Styrene	ND	8.0	EPA 8260D	11-19-21	11-19-21	
Bromoform	ND	40	EPA 8260D	11-19-21	11-19-21	
Isopropylbenzene	ND	8.0	EPA 8260D	11-19-21	11-19-21	
Bromobenzene	ND	8.0	EPA 8260D	11-19-21	11-19-21	
1,1,2,2-Tetrachloroethane	ND	8.0	EPA 8260D	11-19-21	11-19-21	
1,2,3-Trichloropropane	ND	8.0	EPA 8260D	11-19-21	11-19-21	
n-Propylbenzene	ND	8.0	EPA 8260D	11-19-21	11-19-21	
2-Chlorotoluene	ND	8.0	EPA 8260D	11-19-21	11-19-21	
4-Chlorotoluene	ND	8.0	EPA 8260D	11-19-21	11-19-21	
1,3,5-Trimethylbenzene	ND	8.0	EPA 8260D	11-19-21	11-19-21	
tert-Butylbenzene	ND	8.0	EPA 8260D	11-19-21	11-19-21	
1,2,4-Trimethylbenzene	ND	8.0	EPA 8260D	11-19-21	11-19-21	
sec-Butylbenzene	ND	8.0	EPA 8260D	11-19-21	11-19-21	
1,3-Dichlorobenzene	ND	8.0	EPA 8260D	11-19-21	11-19-21	
p-Isopropyltoluene	ND	8.0	EPA 8260D	11-19-21	11-19-21	
1,4-Dichlorobenzene	ND	8.0	EPA 8260D	11-19-21	11-19-21	
1,2-Dichlorobenzene	ND	8.0	EPA 8260D	11-19-21	11-19-21	
n-Butylbenzene	ND	8.0	EPA 8260D	11-19-21	11-19-21	
1,2-Dibromo-3-chloropropan	e ND	40	EPA 8260D	11-19-21	11-19-21	
1,2,4-Trichlorobenzene	ND	8.0	EPA 8260D	11-19-21	11-19-21	
Hexachlorobutadiene	ND	40	EPA 8260D	11-19-21	11-19-21	
Naphthalene	130	40	EPA 8260D	11-19-21	11-19-21	
1,2,3-Trichlorobenzene	ND	8.0	EPA 8260D	11-19-21	11-19-21	
Surrogate:	Percent Recovery	Control Limits				

Surrogate: Percent Recovery Control Limit.

Dibromofluoromethane 99 75-127

Toluene-d8 102 80-127

4-Bromofluorobenzene 101 78-125

Laboratory Reference: 2111-180 Project: 060172

VOLATILE ORGANICS EPA 8260D QUALITY CONTROL

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Offits. ug/L				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1119W1					
Dichlorodifluoromethane	ND	0.20	EPA 8260D	11-19-21	11-19-21	
Chloromethane	ND	1.0	EPA 8260D	11-19-21	11-19-21	
Vinyl Chloride	ND	0.20	EPA 8260D	11-19-21	11-19-21	
Bromomethane	ND	0.20	EPA 8260D	11-19-21	11-19-21	
Chloroethane	ND	1.0	EPA 8260D	11-19-21	11-19-21	
Trichlorofluoromethane	ND	0.20	EPA 8260D	11-19-21	11-19-21	
1,1-Dichloroethene	ND	0.20	EPA 8260D	11-19-21	11-19-21	
Acetone	ND	5.0	EPA 8260D	11-19-21	11-19-21	
Iodomethane	ND	1.3	EPA 8260D	11-19-21	11-19-21	
Carbon Disulfide	ND	0.20	EPA 8260D	11-19-21	11-19-21	
Methylene Chloride	ND	1.0	EPA 8260D	11-19-21	11-19-21	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260D	11-19-21	11-19-21	
Methyl t-Butyl Ether	ND	0.20	EPA 8260D	11-19-21	11-19-21	
1,1-Dichloroethane	ND	0.20	EPA 8260D	11-19-21	11-19-21	
Vinyl Acetate	ND	1.0	EPA 8260D	11-19-21	11-19-21	
2,2-Dichloropropane	ND	0.20	EPA 8260D	11-19-21	11-19-21	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260D	11-19-21	11-19-21	
2-Butanone	ND	5.0	EPA 8260D	11-19-21	11-19-21	
Bromochloromethane	ND	0.20	EPA 8260D	11-19-21	11-19-21	
Chloroform	ND	0.20	EPA 8260D	11-19-21	11-19-21	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	11-19-21	11-19-21	
Carbon Tetrachloride	ND	0.20	EPA 8260D	11-19-21	11-19-21	
1,1-Dichloropropene	ND	0.20	EPA 8260D	11-19-21	11-19-21	
Benzene	ND	0.20	EPA 8260D	11-19-21	11-19-21	
1,2-Dichloroethane	ND	0.20	EPA 8260D	11-19-21	11-19-21	
Trichloroethene	ND	0.20	EPA 8260D	11-19-21	11-19-21	
1,2-Dichloropropane	ND	0.20	EPA 8260D	11-19-21	11-19-21	
Dibromomethane	ND	0.20	EPA 8260D	11-19-21	11-19-21	
Bromodichloromethane	ND	0.20	EPA 8260D	11-19-21	11-19-21	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	11-19-21	11-19-21	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260D	11-19-21	11-19-21	
Toluene	ND	1.0	EPA 8260D	11-19-21	11-19-21	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	11-19-21	11-19-21	

Laboratory Reference: 2111-180

Project: 060172

VOLATILE ORGANICS EPA 8260D QUALITY CONTROL

page 2 of 2

Analysis	Dogult	DOL	Mathad	Date	Date	Elege
Analyte METHOD BLANK	Result	PQL	Method	Prepared	Analyzed	Flags
	MB1119W1					
Laboratory ID: 1,1,2-Trichloroethane	ND	0.20	EPA 8260D	11-19-21	11-19-21	
	ND	0.20		11-19-21		
Tetrachloroethene	ND ND	0.20	EPA 8260D	11-19-21	11-19-21 11-19-21	
1,3-Dichloropropane	ND ND	2.0	EPA 8260D	11-19-21		
2-Hexanone			EPA 8260D		11-19-21	
Dibromochloromethane	ND	0.20	EPA 8260D	11-19-21	11-19-21	
1,2-Dibromoethane	ND	0.20	EPA 8260D	11-19-21	11-19-21	
Chlorobenzene	ND	0.20	EPA 8260D	11-19-21	11-19-21	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	11-19-21	11-19-21	
Ethylbenzene	ND	0.20	EPA 8260D	11-19-21	11-19-21	
m,p-Xylene	ND	0.40	EPA 8260D	11-19-21	11-19-21	
o-Xylene	ND	0.20	EPA 8260D	11-19-21	11-19-21	
Styrene	ND	0.20	EPA 8260D	11-19-21	11-19-21	
Bromoform	ND	1.0	EPA 8260D	11-19-21	11-19-21	
sopropylbenzene	ND	0.20	EPA 8260D	11-19-21	11-19-21	
Bromobenzene	ND	0.20	EPA 8260D	11-19-21	11-19-21	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	11-19-21	11-19-21	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	11-19-21	11-19-21	
n-Propylbenzene	ND	0.20	EPA 8260D	11-19-21	11-19-21	
2-Chlorotoluene	ND	0.20	EPA 8260D	11-19-21	11-19-21	
4-Chlorotoluene	ND	0.20	EPA 8260D	11-19-21	11-19-21	
1,3,5-Trimethylbenzene	ND	0.20	EPA 8260D	11-19-21	11-19-21	
tert-Butylbenzene	ND	0.20	EPA 8260D	11-19-21	11-19-21	
1,2,4-Trimethylbenzene	ND	0.20	EPA 8260D	11-19-21	11-19-21	
sec-Butylbenzene	ND	0.20	EPA 8260D	11-19-21	11-19-21	
1,3-Dichlorobenzene	ND	0.20	EPA 8260D	11-19-21	11-19-21	
o-Isopropyltoluene	ND	0.20	EPA 8260D	11-19-21	11-19-21	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	11-19-21	11-19-21	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	11-19-21	11-19-21	
n-Butylbenzene	ND	0.20	EPA 8260D	11-19-21	11-19-21	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260D	11-19-21	11-19-21	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260D	11-19-21	11-19-21	
Hexachlorobutadiene	ND	1.0	EPA 8260D	11-19-21	11-19-21	
Naphthalene	ND	1.0	EPA 8260D	11-19-21	11-19-21	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260D	11-19-21	11-19-21	
Surrogate:	Percent Recovery	Control Limits	, , 52000		21	
Dibromofluoromethane	05	75 ₋ 127				



Laboratory Reference: 2111-180 Project: 060172

VOLATILE ORGANICS EPA 8260D QUALITY CONTROL

					Per	cent	Recovery		RPD	
Analyte	Res	sult	Spike	Level	Reco	overy	Limits	RPD	RPD Limit	
SPIKE BLANKS										
Laboratory ID:	SB11	19W1								
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	9.45	9.21	10.0	10.0	95	92	78-125	3	19	
Benzene	9.14	9.02	10.0	10.0	91	90	80-119	1	16	
Trichloroethene	9.51	9.40	10.0	10.0	95	94	80-121	1	18	
Toluene	9.16	9.04	10.0	10.0	92	90	80-117	1	18	
Chlorobenzene	9.46	9.46	10.0	10.0	95	95	80-117	0	17	
Surrogate:										
Dibromofluoromethane					95	95	75-127			
Toluene-d8					98	98	80-127			
4-Bromofluorobenzene					102	102	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.
- 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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Reviewed/Date	Received	Relinquished	Received	Relinquished	Received KUM	Relinquished	Signature	2						3 LGAC-INF-111621	2 LSAC-MD-111621	1 1245-84-111621	ab ID Sample Identification	Water Brook	Jeremy Porter	Spicial Manager Span	Clot 72	Project Number:	Company:	Analytical Laboratory Testing Services 14648 NE 95th Street • Redmond, WA 98052
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Reviewed/Date			2	14/10	alp	Aspect Con	Company							1410	1405	1400	Time Sampled	(other)		ard (7 Days)		Day	(Check One)	Turnaround Request (in working days)
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EDDs)																-							-	
														-			% Moist	ure					\dashv	



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

December 16, 2021

Jeremy Porter Aspect Consulting Dexter Horton Building 710 2nd Avenue, Suite 550 Seattle, WA 98104

Re: Analytical Data for Project 060172

Laboratory Reference No. 2112-082

Dear Jeremy:

Enclosed are the analytical results and associated quality control data for samples submitted on December 8, 2021.

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,

David Baumeister Project Manager

Enclosures



Date of Report: December 16, 2021 Samples Submitted: December 8, 2021 Laboratory Reference: 2112-082

Project: 060172

Case Narrative

Samples were collected on December 8, 2021 and received by the laboratory on December 8, 2021. 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.

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: December 16, 2021 Samples Submitted: December 8, 2021 Laboratory Reference: 2112-082

Project: 060172

VOLATILE ORGANICS EPA 8260D

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				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	LGAC-EFF-1-120821					
Laboratory ID:	12-082-01					
Dichlorodifluoromethane	ND	1.0	EPA 8260D	12-9-21	12-9-21	
Chloromethane	ND	4.0	EPA 8260D	12-9-21	12-9-21	
Vinyl Chloride	ND	0.80	EPA 8260D	12-9-21	12-9-21	
Bromomethane	ND	0.80	EPA 8260D	12-9-21	12-9-21	
Chloroethane	ND	4.0	EPA 8260D	12-9-21	12-9-21	
Trichlorofluoromethane	ND	0.80	EPA 8260D	12-9-21	12-9-21	
1,1-Dichloroethene	ND	0.80	EPA 8260D	12-9-21	12-9-21	
Acetone	290	20	EPA 8260D	12-9-21	12-9-21	
Iodomethane	ND	5.2	EPA 8260D	12-9-21	12-9-21	
Carbon Disulfide	ND	0.80	EPA 8260D	12-9-21	12-9-21	
Methylene Chloride	ND	4.0	EPA 8260D	12-9-21	12-9-21	
(trans) 1,2-Dichloroethene	ND	0.80	EPA 8260D	12-9-21	12-9-21	
Methyl t-Butyl Ether	ND	0.80	EPA 8260D	12-9-21	12-9-21	
1,1-Dichloroethane	ND	0.80	EPA 8260D	12-9-21	12-9-21	
Vinyl Acetate	ND	4.0	EPA 8260D	12-9-21	12-9-21	
2,2-Dichloropropane	ND	0.80	EPA 8260D	12-9-21	12-9-21	
(cis) 1,2-Dichloroethene	ND	0.80	EPA 8260D	12-9-21	12-9-21	
2-Butanone	23	20	EPA 8260D	12-9-21	12-9-21	
Bromochloromethane	ND	0.80	EPA 8260D	12-9-21	12-9-21	
Chloroform	ND	0.80	EPA 8260D	12-9-21	12-9-21	
1,1,1-Trichloroethane	ND	0.80	EPA 8260D	12-9-21	12-9-21	
Carbon Tetrachloride	ND	0.80	EPA 8260D	12-9-21	12-9-21	
1,1-Dichloropropene	ND	0.80	EPA 8260D	12-9-21	12-9-21	
Benzene	ND	0.80	EPA 8260D	12-9-21	12-9-21	
1,2-Dichloroethane	ND	0.80	EPA 8260D	12-9-21	12-9-21	
Trichloroethene	ND	0.80	EPA 8260D	12-9-21	12-9-21	
1,2-Dichloropropane	ND	0.80	EPA 8260D	12-9-21	12-9-21	
Dibromomethane	ND	0.80	EPA 8260D	12-9-21	12-9-21	
Bromodichloromethane	ND	0.80	EPA 8260D	12-9-21	12-9-21	
(cis) 1,3-Dichloropropene	ND	0.80	EPA 8260D	12-9-21	12-9-21	
Methyl Isobutyl Ketone	ND	8.0	EPA 8260D	12-9-21	12-9-21	
Toluene	ND	4.0	EPA 8260D	12-9-21	12-9-21	
(trans) 1,3-Dichloropropen	e ND	0.80	EPA 8260D	12-9-21	12-9-21	

Date of Report: December 16, 2021 Samples Submitted: December 8, 2021 Laboratory Reference: 2112-082

Project: 060172

VOLATILE ORGANICS EPA 8260D

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				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	GAC-EFF-1-120821					
Laboratory ID:	12-082-01					
1,1,2-Trichloroethane	ND	0.80	EPA 8260D	12-9-21	12-9-21	
Tetrachloroethene	ND	0.80	EPA 8260D	12-9-21	12-9-21	
1,3-Dichloropropane	ND	0.80	EPA 8260D	12-9-21	12-9-21	
2-Hexanone	ND	8.0	EPA 8260D	12-9-21	12-9-21	
Dibromochloromethane	ND	0.80	EPA 8260D	12-9-21	12-9-21	
1,2-Dibromoethane	ND	0.80	EPA 8260D	12-9-21	12-9-21	
Chlorobenzene	ND	0.80	EPA 8260D	12-9-21	12-9-21	
1,1,1,2-Tetrachloroethane	ND	0.80	EPA 8260D	12-9-21	12-9-21	
Ethylbenzene	ND	0.80	EPA 8260D	12-9-21	12-9-21	
m,p-Xylene	ND	1.6	EPA 8260D	12-9-21	12-9-21	
o-Xylene	ND	0.80	EPA 8260D	12-9-21	12-9-21	
Styrene	ND	0.80	EPA 8260D	12-9-21	12-9-21	
Bromoform	ND	4.0	EPA 8260D	12-9-21	12-9-21	
Isopropylbenzene	ND	0.80	EPA 8260D	12-9-21	12-9-21	
Bromobenzene	ND	0.80	EPA 8260D	12-9-21	12-9-21	
1,1,2,2-Tetrachloroethane	ND	0.80	EPA 8260D	12-9-21	12-9-21	
1,2,3-Trichloropropane	ND	0.80	EPA 8260D	12-9-21	12-9-21	
n-Propylbenzene	ND	0.80	EPA 8260D	12-9-21	12-9-21	
2-Chlorotoluene	ND	0.80	EPA 8260D	12-9-21	12-9-21	
4-Chlorotoluene	ND	0.80	EPA 8260D	12-9-21	12-9-21	
1,3,5-Trimethylbenzene	ND	0.80	EPA 8260D	12-9-21	12-9-21	
tert-Butylbenzene	ND	0.80	EPA 8260D	12-9-21	12-9-21	
1,2,4-Trimethylbenzene	ND	0.80	EPA 8260D	12-9-21	12-9-21	
sec-Butylbenzene	ND	0.80	EPA 8260D	12-9-21	12-9-21	
1,3-Dichlorobenzene	ND	0.80	EPA 8260D	12-9-21	12-9-21	
p-Isopropyltoluene	ND	0.80	EPA 8260D	12-9-21	12-9-21	
1,4-Dichlorobenzene	ND	0.80	EPA 8260D	12-9-21	12-9-21	
1,2-Dichlorobenzene	ND	0.80	EPA 8260D	12-9-21	12-9-21	
n-Butylbenzene	ND	0.80	EPA 8260D	12-9-21	12-9-21	
1,2-Dibromo-3-chloropropan	ne ND	4.0	EPA 8260D	12-9-21	12-9-21	
1,2,4-Trichlorobenzene	ND	0.80	EPA 8260D	12-9-21	12-9-21	
Hexachlorobutadiene	ND	4.0	EPA 8260D	12-9-21	12-9-21	
Naphthalene	ND	4.0	EPA 8260D	12-9-21	12-9-21	
1,2,3-Trichlorobenzene	ND	1.0	EPA 8260D	12-9-21	12-9-21	
Surrogate:	Percent Recovery	Control Limits				
Dibromofluoromethane	106	75-127				
T / 10	404	00.407				

Dibromofluoromethane 106 75-127
Toluene-d8 104 80-127
4-Bromofluorobenzene 100 78-125



Project: 060172

VOLATILE ORGANICS EPA 8260D

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				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	LGAC-INF-1-120821					
Laboratory ID:	12-082-04					
Dichlorodifluoromethane	ND	10	EPA 8260D	12-9-21	12-9-21	
Chloromethane	ND	40	EPA 8260D	12-9-21	12-9-21	
Vinyl Chloride	ND	8.0	EPA 8260D	12-9-21	12-9-21	
Bromomethane	ND	8.0	EPA 8260D	12-9-21	12-9-21	
Chloroethane	ND	40	EPA 8260D	12-9-21	12-9-21	
Trichlorofluoromethane	ND	8.0	EPA 8260D	12-9-21	12-9-21	
1,1-Dichloroethene	ND	8.0	EPA 8260D	12-9-21	12-9-21	
Acetone	3000	200	EPA 8260D	12-9-21	12-9-21	
lodomethane	ND	52	EPA 8260D	12-9-21	12-9-21	
Carbon Disulfide	ND	8.0	EPA 8260D	12-9-21	12-9-21	
Methylene Chloride	ND	40	EPA 8260D	12-9-21	12-9-21	
(trans) 1,2-Dichloroethene	ND	8.0	EPA 8260D	12-9-21	12-9-21	
Methyl t-Butyl Ether	ND	8.0	EPA 8260D	12-9-21	12-9-21	
1,1-Dichloroethane	ND	8.0	EPA 8260D	12-9-21	12-9-21	
Vinyl Acetate	ND	40	EPA 8260D	12-9-21	12-9-21	
2,2-Dichloropropane	ND	8.0	EPA 8260D	12-9-21	12-9-21	
(cis) 1,2-Dichloroethene	ND	8.0	EPA 8260D	12-9-21	12-9-21	
2-Butanone	360	200	EPA 8260D	12-9-21	12-9-21	
Bromochloromethane	ND	8.0	EPA 8260D	12-9-21	12-9-21	
Chloroform	ND	8.0	EPA 8260D	12-9-21	12-9-21	
1,1,1-Trichloroethane	ND	8.0	EPA 8260D	12-9-21	12-9-21	
Carbon Tetrachloride	ND	8.0	EPA 8260D	12-9-21	12-9-21	
1,1-Dichloropropene	ND	8.0	EPA 8260D	12-9-21	12-9-21	
Benzene	ND	8.0	EPA 8260D	12-9-21	12-9-21	
1,2-Dichloroethane	ND	8.0	EPA 8260D	12-9-21	12-9-21	
Trichloroethene	ND	8.0	EPA 8260D	12-9-21	12-9-21	
1,2-Dichloropropane	ND	8.0	EPA 8260D	12-9-21	12-9-21	
Dibromomethane	ND	8.0	EPA 8260D	12-9-21	12-9-21	
Bromodichloromethane	ND	8.0	EPA 8260D	12-9-21	12-9-21	
(cis) 1,3-Dichloropropene	ND	8.0	EPA 8260D	12-9-21	12-9-21	
Methyl Isobutyl Ketone	ND	80	EPA 8260D	12-9-21	12-9-21	
Toluene	ND	40	EPA 8260D	12-9-21	12-9-21	
(trans) 1,3-Dichloropropen	e ND	8.0	EPA 8260D	12-9-21	12-9-21	

Project: 060172

VOLATILE ORGANICS EPA 8260D

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				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	LGAC-INF-1-120821					
Laboratory ID:	12-082-04					
1,1,2-Trichloroethane	ND	8.0	EPA 8260D	12-9-21	12-9-21	
Tetrachloroethene	ND	8.0	EPA 8260D	12-9-21	12-9-21	
1,3-Dichloropropane	ND	8.0	EPA 8260D	12-9-21	12-9-21	
2-Hexanone	ND	80	EPA 8260D	12-9-21	12-9-21	
Dibromochloromethane	ND	8.0	EPA 8260D	12-9-21	12-9-21	
1,2-Dibromoethane	ND	8.0	EPA 8260D	12-9-21	12-9-21	
Chlorobenzene	ND	8.0	EPA 8260D	12-9-21	12-9-21	
1,1,1,2-Tetrachloroethane	ND	8.0	EPA 8260D	12-9-21	12-9-21	
Ethylbenzene	ND	8.0	EPA 8260D	12-9-21	12-9-21	
m,p-Xylene	ND	16	EPA 8260D	12-9-21	12-9-21	
o-Xylene	ND	8.0	EPA 8260D	12-9-21	12-9-21	
Styrene	ND	8.0	EPA 8260D	12-9-21	12-9-21	
Bromoform	ND	40	EPA 8260D	12-9-21	12-9-21	
Isopropylbenzene	ND	8.0	EPA 8260D	12-9-21	12-9-21	
Bromobenzene	ND	8.0	EPA 8260D	12-9-21	12-9-21	
1,1,2,2-Tetrachloroethane	ND	8.0	EPA 8260D	12-9-21	12-9-21	
1,2,3-Trichloropropane	ND	8.0	EPA 8260D	12-9-21	12-9-21	
n-Propylbenzene	ND	8.0	EPA 8260D	12-9-21	12-9-21	
2-Chlorotoluene	ND	8.0	EPA 8260D	12-9-21	12-9-21	
4-Chlorotoluene	ND	8.0	EPA 8260D	12-9-21	12-9-21	
1,3,5-Trimethylbenzene	ND	8.0	EPA 8260D	12-9-21	12-9-21	
tert-Butylbenzene	ND	8.0	EPA 8260D	12-9-21	12-9-21	
1,2,4-Trimethylbenzene	ND	8.0	EPA 8260D	12-9-21	12-9-21	
sec-Butylbenzene	ND	8.0	EPA 8260D	12-9-21	12-9-21	
1,3-Dichlorobenzene	ND	8.0	EPA 8260D	12-9-21	12-9-21	
p-Isopropyltoluene	ND	8.0	EPA 8260D	12-9-21	12-9-21	
1,4-Dichlorobenzene	ND	8.0	EPA 8260D	12-9-21	12-9-21	
1,2-Dichlorobenzene	ND	8.0	EPA 8260D	12-9-21	12-9-21	
n-Butylbenzene	ND	8.0	EPA 8260D	12-9-21	12-9-21	
1,2-Dibromo-3-chloropropan	e ND	40	EPA 8260D	12-9-21	12-9-21	
1,2,4-Trichlorobenzene	ND	8.0	EPA 8260D	12-9-21	12-9-21	
Hexachlorobutadiene	ND	40	EPA 8260D	12-9-21	12-9-21	
Naphthalene	72	40	EPA 8260D	12-9-21	12-9-21	
1,2,3-Trichlorobenzene	ND	10	EPA 8260D	12-9-21	12-9-21	
Surrogate:	Percent Recovery	Control Limits				
Dibromofluoromethane	103	75-127				

4-Bromofluorobenzene

Toluene-d8

80-127

78-125

100

99

Project: 060172

VOLATILE ORGANICS EPA 8260D

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Analyte Result PQL Method Prepared Analyzed Flags					Date	Date	
Laboratory ID:	Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Dichlorodifluoromethane	Client ID:	LGAC-MID-1-120821					
Chloromethane ND 5.0 EPA 8260D 12-9-21 12-9-21 Vinyl Chloride ND 1.0 EPA 8260D 12-9-21 12-9-21 Bromomethane ND 1.0 EPA 8260D 12-9-21 12-9-21 Chloroethane ND 5.0 EPA 8260D 12-9-21 12-9-21 Trichlorofluoromethane ND 1.0 EPA 8260D 12-9-21 12-9-21 Trichloroethene ND 1.0 EPA 8260D 12-9-21 12-9-21 Acetone 480 50 EPA 8260D 12-9-21 12-9-21 Indomethane ND 1.0 EPA 8260D 12-9-21 12-9-21 Carbon Disulfide ND 1.0 EPA 8260D 12-9-21 12-9-21 Carbon Disulfide ND 1.0 EPA 8260D 12-9-21 12-9-21 Methylene Chloride ND 1.0 EPA 8260D 12-9-21 12-9-21 Methylene Chloride ND 1.0 EPA 8260D 12-9-21 12-9-21	Laboratory ID:	12-082-07					
Vinyl Chloride ND 1.0 EPA 8260D 12-9-21 12-9-21 Bromomethane ND 1.0 EPA 8260D 12-9-21 12-9-21 Chloroethane ND 5.0 EPA 8260D 12-9-21 12-9-21 Trichlorofluoromethane ND 1.0 EPA 8260D 12-9-21 12-9-21 1,1-Dichloroethene ND 1.0 EPA 8260D 12-9-21 12-9-21 Acetone 480 50 EPA 8260D 12-9-21 12-9-21 Icodomethane ND 6.5 EPA 8260D 12-9-21 12-9-21 Carbon Disulfide ND 1.0 EPA 8260D 12-9-21 12-9-21 Methylene Chloride ND 1.0 EPA 8260D 12-9-21 12-9-21 Methylene Chloride ND 1.0 EPA 8260D 12-9-21 12-9-21 Methyle Ether ND 1.0 EPA 8260D 12-9-21 12-9-21 Methyl Ether ND 1.0 EPA 8260D 12-9-21 12-9-21	Dichlorodifluoromethane	ND	1.3	EPA 8260D	12-9-21	12-9-21	
Bromomethane ND 1.0 EPA 8260D 12-9-21 12-9-21 Chloroethane ND 5.0 EPA 8260D 12-9-21 12-9-21 Trichlorofluoromethane ND 1.0 EPA 8260D 12-9-21 12-9-21 1,1-Dichloroethene ND 1.0 EPA 8260D 12-9-21 12-9-21 Acetone 480 50 EPA 8260D 12-9-21 12-9-21 Iodomethane ND 6.5 EPA 8260D 12-9-21 12-9-21 Methylene Chloride ND 1.0 EPA 8260D 12-9-21 12-9-21 (trans) 1,2-Dichloroethene ND 1.0 EPA 8260D 12-9-21 12-9-21 Methyl t-Butyl Ether ND 1.0 EPA 8260D 12-9-21 12-9-21 Methyl t-Butyl Ether ND 1.0 EPA 8260D 12-9-21 12-9-21 Vinyl Acetate ND 1.0 EPA 8260D 12-9-21 12-9-21 Vinyl Acetate ND 1.0 EPA 8260D 12-9-21 12-9-21	Chloromethane	ND	5.0	EPA 8260D	12-9-21	12-9-21	
Chloroethane ND 5.0 EPA 8260D 12-9-21 12-9-21 Trichlorofluoromethane ND 1.0 EPA 8260D 12-9-21 12-9-21 1,1-Dichloroethene ND 1.0 EPA 8260D 12-9-21 12-9-21 Acetone 480 50 EPA 8260D 12-9-21 12-9-21 Iodomethane ND 6.5 EPA 8260D 12-9-21 12-9-21 Carbon Disulfide ND 1.0 EPA 8260D 12-9-21 12-9-21 Methylene Chloride ND 5.0 EPA 8260D 12-9-21 12-9-21 Methylene Chloride ND 1.0 EPA 8260D 12-9-21 12-9-21 Methyle Edward ND 1.0 EPA 8260D 12-9-21 12-9-21	Vinyl Chloride	ND	1.0	EPA 8260D	12-9-21	12-9-21	
Trichlorofluoromethane ND 1.0 EPA 8260D 12-9-21 12-9-21 1,1-Dichloroethene ND 1.0 EPA 8260D 12-9-21 12-9-21 Acetone 480 50 EPA 8260D 12-9-21 12-9-21 Iodomethane ND 6.5 EPA 8260D 12-9-21 12-9-21 Carbon Disulfide ND 1.0 EPA 8260D 12-9-21 12-9-21 Methylene Chloride ND 5.0 EPA 8260D 12-9-21 12-9-21 Methyl EButyl Ether ND 1.0 EPA 8260D 12-9-21 12-9-21 Methyl t-Butyl Ether ND 1.0 EPA 8260D 12-9-21 12-9-21 Methyl t-Butyl Ether ND 1.0 EPA 8260D 12-9-21 12-9-21 Methyl t-Butyl Ether ND 1.0 EPA 8260D 12-9-21 12-9-21 Methyl t-Butyl Ether ND 1.0 EPA 8260D 12-9-21 12-9-21 Methyl t-Butyl Ether ND 1.0 EPA 8260D 12-9-21	Bromomethane	ND	1.0	EPA 8260D	12-9-21	12-9-21	
1,1-Dichloroethene ND 1.0 EPA 8260D 12-9-21 12-9-21 Acetone 480 50 EPA 8260D 12-9-21 12-9-21 Iodomethane ND 6.5 EPA 8260D 12-9-21 12-9-21 Carbon Disulfide ND 1.0 EPA 8260D 12-9-21 12-9-21 Methylene Chloride ND 5.0 EPA 8260D 12-9-21 12-9-21 (trans) 1,2-Dichloroethene ND 1.0 EPA 8260D 12-9-21 12-9-21 Methyl t-Butyl Ether ND 1.0 EPA 8260D 12-9-21 12-9-21 Methyl t-Butyl Ether ND 1.0 EPA 8260D 12-9-21 12-9-21 Methyl t-Butyl Ether ND 1.0 EPA 8260D 12-9-21 12-9-21 Methyl t-Butyl Ether ND 1.0 EPA 8260D 12-9-21 12-9-21 Vinyl Acetate ND 1.0 EPA 8260D 12-9-21 12-9-21 Vip Jacketate ND 1.0 EPA 8260D 12-9-21 12-9-	Chloroethane	ND	5.0	EPA 8260D	12-9-21	12-9-21	
Acetone 480 50 EPA 8260D 12-9-21 12-9-21 Iodomethane ND 6.5 EPA 8260D 12-9-21 12-9-21 Carbon Disulfide ND 1.0 EPA 8260D 12-9-21 12-9-21 Methylene Chloride ND 5.0 EPA 8260D 12-9-21 12-9-21 Methylene Chloride ND 1.0 EPA 8260D 12-9-21 12-9-21 Methyle Ether ND 1.0 EPA 8260D 12-9-21 12-9-21 1,1-Dichloropropane ND 1.0 EPA 8260D 12-9-21 12-9-21 Cisi 1,2-Dichloroethane ND 1.0 EPA 8260D 12-9-21 12-9-21 <tr< td=""><td>Trichlorofluoromethane</td><td>ND</td><td>1.0</td><td>EPA 8260D</td><td>12-9-21</td><td>12-9-21</td><td></td></tr<>	Trichlorofluoromethane	ND	1.0	EPA 8260D	12-9-21	12-9-21	
Iodomethane ND 6.5 EPA 8260D 12-9-21 12-9-21 Carbon Disulfide ND 1.0 EPA 8260D 12-9-21 12-9-21 Methylene Chloride ND 5.0 EPA 8260D 12-9-21 12-9-21 (trans) 1,2-Dichloroethene ND 1.0 EPA 8260D 12-9-21 12-9-21 Methyl t-Butyl Ether ND 1.0 EPA 8260D 12-9-21 12-9-21 Methyl t-Butyl Ether ND 1.0 EPA 8260D 12-9-21 12-9-21 Methyl t-Butyl Ether ND 1.0 EPA 8260D 12-9-21 12-9-21 Methyl t-Butyl Ether ND 1.0 EPA 8260D 12-9-21 12-9-21 Methyl t-Butyl Ether ND 1.0 EPA 8260D 12-9-21 12-9-21 Vinyl Acetate ND 1.0 EPA 8260D 12-9-21 12-9-21 2,2-Dichloroethane ND 1.0 EPA 8260D 12-9-21 12-9-21 2,-Butyl Chiloroethane ND 1.0 EPA 8260D 12-9-21<	1,1-Dichloroethene	ND	1.0	EPA 8260D	12-9-21	12-9-21	
Carbon Disulfide ND 1.0 EPA 8260D 12-9-21 12-9-21 Methylene Chloride ND 5.0 EPA 8260D 12-9-21 12-9-21 (trans) 1,2-Dichloroethene ND 1.0 EPA 8260D 12-9-21 12-9-21 Methyl t-Butyl Ether ND 1.0 EPA 8260D 12-9-21 12-9-21 1,1-Dichloroethane ND 1.0 EPA 8260D 12-9-21 12-9-21 Vinyl Acetate ND 5.0 EPA 8260D 12-9-21 12-9-21 2,2-Dichloropropane ND 1.0 EPA 8260D 12-9-21 12-9-21 (cis) 1,2-Dichloroethene ND 1.0 EPA 8260D 12-9-21 12-9-21 2,2-Bitanone 110 25 EPA 8260D 12-9-21 12-9-21 Bromochloromethane ND 1.0 EPA 8260D 12-9-21 12-9-21 Chloroform ND 1.0 EPA 8260D 12-9-21 12-9-21 Chloroformethane ND 1.0 EPA 8260D 12-9-21 <	Acetone	480	50	EPA 8260D	12-9-21	12-9-21	
Methylene Chloride ND 5.0 EPA 8260D 12-9-21 12-9-21 (trans) 1,2-Dichloroethene ND 1.0 EPA 8260D 12-9-21 12-9-21 Methyl t-Butyl Ether ND 1.0 EPA 8260D 12-9-21 12-9-21 1,1-Dichloroethane ND 1.0 EPA 8260D 12-9-21 12-9-21 Vinyl Acetate ND 5.0 EPA 8260D 12-9-21 12-9-21 2,2-Dichloropropane ND 1.0 EPA 8260D 12-9-21 12-9-21 (cis) 1,2-Dichloroethene ND 1.0 EPA 8260D 12-9-21 12-9-21 2,2-Dichloroptopane ND 1.0 EPA 8260D 12-9-21 12-9-21 (cis) 1,2-Dichloroethene ND 1.0 EPA 8260D 12-9-21 12-9-21 2-Butanone 110 25 EPA 8260D 12-9-21 12-9-21 Bromochloromethane ND 1.0 EPA 8260D 12-9-21 12-9-21 Chloroform ND 1.0 EPA 8260D 12-9-21	lodomethane	ND	6.5	EPA 8260D	12-9-21	12-9-21	
(trans) 1,2-Dichloroethene ND 1.0 EPA 8260D 12-9-21 12-9-21 Methyl t-Butyl Ether ND 1.0 EPA 8260D 12-9-21 12-9-21 1,1-Dichloroethane ND 1.0 EPA 8260D 12-9-21 12-9-21 Vinyl Acetate ND 5.0 EPA 8260D 12-9-21 12-9-21 2,2-Dichloropropane ND 1.0 EPA 8260D 12-9-21 12-9-21 2,2-Dichloroethene ND 1.0 EPA 8260D 12-9-21 12-9-21 2,2-Dichloroethene ND 1.0 EPA 8260D 12-9-21 12-9-21 2,2-Dichloroethene ND 1.0 EPA 8260D 12-9-21 12-9-21 2,-Butanone 110 25 EPA 8260D 12-9-21 12-9-21 2-Butanone 110 EPA 8260D 12-9-21 12-9-21 2-Butanone ND 1.0 EPA 8260D 12-9-21 12-9-21 2-Butanone ND 1.0 EPA 8260D 12-9-21 12-9-21	Carbon Disulfide	ND	1.0	EPA 8260D	12-9-21	12-9-21	
Methyl t-Butyl Ether ND 1.0 EPA 8260D 12-9-21 12-9-21 1,1-Dichloroethane ND 1.0 EPA 8260D 12-9-21 12-9-21 Vinyl Acetate ND 5.0 EPA 8260D 12-9-21 12-9-21 2,2-Dichloropropane ND 1.0 EPA 8260D 12-9-21 12-9-21 2,2-Dichloroethene ND 1.0 EPA 8260D 12-9-21 12-9-21 2,2-Dichloroethane ND 1.0 EPA 8260D 12-9-21 12-9-21 2,9-21 12-9-21 12-9-21 12-9-21 12-9-21 1,1-Trichloroethane ND 1.0 EPA 8260D 12-9-21 12-9-21 1,2-Dichloropropene ND 1.0 EPA 8260D 12-9-21 12-9-21 <td>Methylene Chloride</td> <td>ND</td> <td>5.0</td> <td>EPA 8260D</td> <td>12-9-21</td> <td>12-9-21</td> <td></td>	Methylene Chloride	ND	5.0	EPA 8260D	12-9-21	12-9-21	
1,1-Dichloroethane ND 1.0 EPA 8260D 12-9-21 12-9-21 Vinyl Acetate ND 5.0 EPA 8260D 12-9-21 12-9-21 2,2-Dichloropropane ND 1.0 EPA 8260D 12-9-21 12-9-21 (cis) 1,2-Dichloroethene ND 1.0 EPA 8260D 12-9-21 12-9-21 2-Butanone 110 25 EPA 8260D 12-9-21 12-9-21 Bromochloromethane ND 1.0 EPA 8260D 12-9-21 12-9-21 Chloroform ND 1.0 EPA 8260D 12-9-21 12-9-21 1,1,1-Trichloroethane ND 1.0 EPA 8260D 12-9-21 12-9-21 1,1-Dichloropropene ND 1.0 EPA 8260D 12-9-21 12-9-21 1,1-Dichloropropene ND 1.0 EPA 8260D 12-9-21 12-9-21 1,2-Dichloropropene ND 1.0 EPA 8260D 12-9-21 12-9-21 1,2-Dichloropropane ND 1.0 EPA 8260D 12-9-21 12-9-21 1,2-Dichloropropane ND 1.0 EPA 8260D	(trans) 1,2-Dichloroethene	ND	1.0	EPA 8260D	12-9-21	12-9-21	
Vinyl Acetate ND 5.0 EPA 8260D 12-9-21 12-9-21 2,2-Dichloropropane ND 1.0 EPA 8260D 12-9-21 12-9-21 (cis) 1,2-Dichloroethene ND 1.0 EPA 8260D 12-9-21 12-9-21 2-Butanone 110 25 EPA 8260D 12-9-21 12-9-21 Bromochloromethane ND 1.0 EPA 8260D 12-9-21 12-9-21 Chloroform ND 1.0 EPA 8260D 12-9-21 12-9-21 1,1,1-Trichloroethane ND 1.0 EPA 8260D 12-9-21 12-9-21 Carbon Tetrachloride ND 1.0 EPA 8260D 12-9-21 12-9-21 1,1-Dichloropropene ND 1.0 EPA 8260D 12-9-21 12-9-21 1,2-Dichloropropene ND 1.0 EPA 8260D 12-9-21 12-9-21 1,2-Dichloropropane ND 1.0 EPA 8260D 12-9-21 12-9-21 1,2-Dichloropropane ND 1.0 EPA 8260D 12-9-21	Methyl t-Butyl Ether	ND	1.0	EPA 8260D	12-9-21	12-9-21	
2,2-Dichloropropane ND 1.0 EPA 8260D 12-9-21 12-9-21 (cis) 1,2-Dichloroethene ND 1.0 EPA 8260D 12-9-21 12-9-21 2-Butanone 110 25 EPA 8260D 12-9-21 12-9-21 Bromochloromethane ND 1.0 EPA 8260D 12-9-21 12-9-21 Chloroform ND 1.0 EPA 8260D 12-9-21 12-9-21 1,1,1-Trichloroethane ND 1.0 EPA 8260D 12-9-21 12-9-21 1,1-Dichloroethane ND 1.0 EPA 8260D 12-9-21 12-9-21 1,1-Dichloropropene ND 1.0 EPA 8260D 12-9-21 12-9-21 1,1-Dichloropropene ND 1.0 EPA 8260D 12-9-21 12-9-21 1,2-Dichloroethane ND 1.0 EPA 8260D 12-9-21 12-9-21 1,2-Dichloropropane ND 1.0 EPA 8260D 12-9-21 12-9-21 1,2-Dichloropropane ND 1.0 EPA 8260D 12-9-21 12-9-21 Bromodichloromethane ND 1.0 EPA 8260D <td>1,1-Dichloroethane</td> <td>ND</td> <td>1.0</td> <td>EPA 8260D</td> <td>12-9-21</td> <td>12-9-21</td> <td></td>	1,1-Dichloroethane	ND	1.0	EPA 8260D	12-9-21	12-9-21	
(cis) 1,2-Dichloroethene ND 1.0 EPA 8260D 12-9-21 12-9-21 2-Butanone 110 25 EPA 8260D 12-9-21 12-9-21 Bromochloromethane ND 1.0 EPA 8260D 12-9-21 12-9-21 Chloroform ND 1.0 EPA 8260D 12-9-21 12-9-21 1,1,1-Trichloroethane ND 1.0 EPA 8260D 12-9-21 12-9-21 Carbon Tetrachloride ND 1.0 EPA 8260D 12-9-21 12-9-21 1,1-Dichloropropene ND 1.0 EPA 8260D 12-9-21 12-9-21 1,1-Dichloropropene ND 1.0 EPA 8260D 12-9-21 12-9-21 1,2-Dichloroethane ND 1.0 EPA 8260D 12-9-21 12-9-21 1,2-Dichloropropane ND 1.0 EPA 8260D 12-9-21 12-9-21 1,2-Dichloropropane ND 1.0 EPA 8260D 12-9-21 12-9-21 Bromodichloromethane ND 1.0 EPA 8260D 12-9-21	Vinyl Acetate	ND	5.0	EPA 8260D	12-9-21	12-9-21	
2-Butanone 110 25 EPA 8260D 12-9-21 12-9-21 Bromochloromethane ND 1.0 EPA 8260D 12-9-21 12-9-21 Chloroform ND 1.0 EPA 8260D 12-9-21 12-9-21 1,1,1-Trichloroethane ND 1.0 EPA 8260D 12-9-21 12-9-21 Carbon Tetrachloride ND 1.0 EPA 8260D 12-9-21 12-9-21 1,1-Dichloropropene ND 1.0 EPA 8260D 12-9-21 12-9-21 Benzene ND 1.0 EPA 8260D 12-9-21 12-9-21 1,2-Dichloroethane ND 1.0 EPA 8260D 12-9-21 12-9-21 1,2-Dichloropropane ND 1.0 EPA 8260D 12-9-21 12-9-21 1,2-Dichloropropane ND 1.0 EPA 8260D 12-9-21 12-9-21 Dibromomethane ND 1.0 EPA 8260D 12-9-21 12-9-21 G(si) 1,3-Dichloropropene ND 1.0 EPA 8260D 12-9-21 12-9-21 Methyl Isobutyl Ketone ND 10 EPA 8260D	2,2-Dichloropropane	ND	1.0	EPA 8260D	12-9-21	12-9-21	
Bromochloromethane ND 1.0 EPA 8260D 12-9-21 12-9-21 Chloroform ND 1.0 EPA 8260D 12-9-21 12-9-21 1,1,1-Trichloroethane ND 1.0 EPA 8260D 12-9-21 12-9-21 Carbon Tetrachloride ND 1.0 EPA 8260D 12-9-21 12-9-21 1,1-Dichloropropene ND 1.0 EPA 8260D 12-9-21 12-9-21 Benzene ND 1.0 EPA 8260D 12-9-21 12-9-21 1,2-Dichloroethane ND 1.0 EPA 8260D 12-9-21 12-9-21 Trichloroethene ND 1.0 EPA 8260D 12-9-21 12-9-21 1,2-Dichloropropane ND 1.0 EPA 8260D 12-9-21 12-9-21 Dibromomethane ND 1.0 EPA 8260D 12-9-21 12-9-21 G(is) 1,3-Dichloropropene ND 1.0 EPA 8260D 12-9-21 12-9-21 Methyl Isobutyl Ketone ND 10 EPA 8260D 12-9-21	(cis) 1,2-Dichloroethene	ND	1.0	EPA 8260D	12-9-21	12-9-21	
Chloroform ND 1.0 EPA 8260D 12-9-21 12-9-21 1,1,1-Trichloroethane ND 1.0 EPA 8260D 12-9-21 12-9-21 Carbon Tetrachloride ND 1.0 EPA 8260D 12-9-21 12-9-21 1,1-Dichloropropene ND 1.0 EPA 8260D 12-9-21 12-9-21 Benzene ND 1.0 EPA 8260D 12-9-21 12-9-21 1,2-Dichloroethane ND 1.0 EPA 8260D 12-9-21 12-9-21 1,2-Dichloropropane ND 1.0 EPA 8260D 12-9-21 12-9-21 1,2-Dichloropropane ND 1.0 EPA 8260D 12-9-21 12-9-21 Dibromomethane ND 1.0 EPA 8260D 12-9-21 12-9-21 Bromodichloromethane ND 1.0 EPA 8260D 12-9-21 12-9-21 (cis) 1,3-Dichloropropene ND 1.0 EPA 8260D 12-9-21 12-9-21 Methyl Isobutyl Ketone ND 10 EPA 8260D 12-9-21	2-Butanone	110	25	EPA 8260D	12-9-21	12-9-21	
1,1,1-Trichloroethane ND 1.0 EPA 8260D 12-9-21 12-9-21 Carbon Tetrachloride ND 1.0 EPA 8260D 12-9-21 12-9-21 1,1-Dichloropropene ND 1.0 EPA 8260D 12-9-21 12-9-21 Benzene ND 1.0 EPA 8260D 12-9-21 12-9-21 1,2-Dichloroethane ND 1.0 EPA 8260D 12-9-21 12-9-21 Trichloroethene ND 1.0 EPA 8260D 12-9-21 12-9-21 1,2-Dichloropropane ND 1.0 EPA 8260D 12-9-21 12-9-21 Dibromomethane ND 1.0 EPA 8260D 12-9-21 12-9-21 Bromodichloromethane ND 1.0 EPA 8260D 12-9-21 12-9-21 (cis) 1,3-Dichloropropene ND 1.0 EPA 8260D 12-9-21 12-9-21 Methyl Isobutyl Ketone ND 10 EPA 8260D 12-9-21 12-9-21 Toluene ND 5.0 EPA 8260D 12-9-21 12-9-21	Bromochloromethane	ND	1.0	EPA 8260D	12-9-21	12-9-21	
Carbon Tetrachloride ND 1.0 EPA 8260D 12-9-21 12-9-21 1,1-Dichloropropene ND 1.0 EPA 8260D 12-9-21 12-9-21 Benzene ND 1.0 EPA 8260D 12-9-21 12-9-21 1,2-Dichloroethane ND 1.0 EPA 8260D 12-9-21 12-9-21 Trichloroethene ND 1.0 EPA 8260D 12-9-21 12-9-21 1,2-Dichloropropane ND 1.0 EPA 8260D 12-9-21 12-9-21 Dibromomethane ND 1.0 EPA 8260D 12-9-21 12-9-21 Bromodichloromethane ND 1.0 EPA 8260D 12-9-21 12-9-21 (cis) 1,3-Dichloropropene ND 1.0 EPA 8260D 12-9-21 12-9-21 Methyl Isobutyl Ketone ND 10 EPA 8260D 12-9-21 12-9-21 Toluene ND 5.0 EPA 8260D 12-9-21 12-9-21	Chloroform	ND	1.0	EPA 8260D	12-9-21	12-9-21	
1,1-Dichloropropene ND 1.0 EPA 8260D 12-9-21 12-9-21 Benzene ND 1.0 EPA 8260D 12-9-21 12-9-21 1,2-Dichloroethane ND 1.0 EPA 8260D 12-9-21 12-9-21 Trichloroethene ND 1.0 EPA 8260D 12-9-21 12-9-21 1,2-Dichloropropane ND 1.0 EPA 8260D 12-9-21 12-9-21 Dibromomethane ND 1.0 EPA 8260D 12-9-21 12-9-21 Bromodichloromethane ND 1.0 EPA 8260D 12-9-21 12-9-21 (cis) 1,3-Dichloropropene ND 1.0 EPA 8260D 12-9-21 12-9-21 Methyl Isobutyl Ketone ND 10 EPA 8260D 12-9-21 12-9-21 Toluene ND 5.0 EPA 8260D 12-9-21 12-9-21	1,1,1-Trichloroethane	ND	1.0	EPA 8260D	12-9-21	12-9-21	
Benzene ND 1.0 EPA 8260D 12-9-21 12-9-21 1,2-Dichloroethane ND 1.0 EPA 8260D 12-9-21 12-9-21 Trichloroethene ND 1.0 EPA 8260D 12-9-21 12-9-21 1,2-Dichloropropane ND 1.0 EPA 8260D 12-9-21 12-9-21 Dibromomethane ND 1.0 EPA 8260D 12-9-21 12-9-21 Bromodichloromethane ND 1.0 EPA 8260D 12-9-21 12-9-21 (cis) 1,3-Dichloropropene ND 1.0 EPA 8260D 12-9-21 12-9-21 Methyl Isobutyl Ketone ND 10 EPA 8260D 12-9-21 12-9-21 Toluene ND 5.0 EPA 8260D 12-9-21 12-9-21	Carbon Tetrachloride	ND	1.0	EPA 8260D	12-9-21	12-9-21	
1,2-Dichloroethane ND 1.0 EPA 8260D 12-9-21 12-9-21 Trichloroethene ND 1.0 EPA 8260D 12-9-21 12-9-21 1,2-Dichloropropane ND 1.0 EPA 8260D 12-9-21 12-9-21 Dibromomethane ND 1.0 EPA 8260D 12-9-21 12-9-21 Bromodichloromethane ND 1.0 EPA 8260D 12-9-21 12-9-21 (cis) 1,3-Dichloropropene ND 1.0 EPA 8260D 12-9-21 12-9-21 Methyl Isobutyl Ketone ND 10 EPA 8260D 12-9-21 12-9-21 Toluene ND 5.0 EPA 8260D 12-9-21 12-9-21	1,1-Dichloropropene	ND	1.0	EPA 8260D	12-9-21	12-9-21	
Trichloroethene ND 1.0 EPA 8260D 12-9-21 12-9-21 1,2-Dichloropropane ND 1.0 EPA 8260D 12-9-21 12-9-21 Dibromomethane ND 1.0 EPA 8260D 12-9-21 12-9-21 Bromodichloromethane ND 1.0 EPA 8260D 12-9-21 12-9-21 (cis) 1,3-Dichloropropene ND 1.0 EPA 8260D 12-9-21 12-9-21 Methyl Isobutyl Ketone ND 10 EPA 8260D 12-9-21 12-9-21 Toluene ND 5.0 EPA 8260D 12-9-21 12-9-21	Benzene	ND	1.0	EPA 8260D	12-9-21	12-9-21	
1,2-Dichloropropane ND 1.0 EPA 8260D 12-9-21 12-9-21 Dibromomethane ND 1.0 EPA 8260D 12-9-21 12-9-21 Bromodichloromethane ND 1.0 EPA 8260D 12-9-21 12-9-21 (cis) 1,3-Dichloropropene ND 1.0 EPA 8260D 12-9-21 12-9-21 Methyl Isobutyl Ketone ND 10 EPA 8260D 12-9-21 12-9-21 Toluene ND 5.0 EPA 8260D 12-9-21 12-9-21	1,2-Dichloroethane	ND	1.0	EPA 8260D	12-9-21	12-9-21	
Dibromomethane ND 1.0 EPA 8260D 12-9-21 12-9-21 Bromodichloromethane ND 1.0 EPA 8260D 12-9-21 12-9-21 (cis) 1,3-Dichloropropene ND 1.0 EPA 8260D 12-9-21 12-9-21 Methyl Isobutyl Ketone ND 10 EPA 8260D 12-9-21 12-9-21 Toluene ND 5.0 EPA 8260D 12-9-21 12-9-21	Trichloroethene	ND	1.0	EPA 8260D	12-9-21	12-9-21	
Bromodichloromethane ND 1.0 EPA 8260D 12-9-21 12-9-21 (cis) 1,3-Dichloropropene ND 1.0 EPA 8260D 12-9-21 12-9-21 Methyl Isobutyl Ketone ND 10 EPA 8260D 12-9-21 12-9-21 Toluene ND 5.0 EPA 8260D 12-9-21 12-9-21	1,2-Dichloropropane	ND	1.0	EPA 8260D	12-9-21	12-9-21	
(cis) 1,3-Dichloropropene ND 1.0 EPA 8260D 12-9-21 12-9-21 Methyl Isobutyl Ketone ND 10 EPA 8260D 12-9-21 12-9-21 Toluene ND 5.0 EPA 8260D 12-9-21 12-9-21	Dibromomethane	ND	1.0	EPA 8260D	12-9-21	12-9-21	
Methyl Isobutyl Ketone ND 10 EPA 8260D 12-9-21 12-9-21 Toluene ND 5.0 EPA 8260D 12-9-21 12-9-21	Bromodichloromethane	ND	1.0	EPA 8260D	12-9-21	12-9-21	
Methyl Isobutyl Ketone ND 10 EPA 8260D 12-9-21 12-9-21 Toluene ND 5.0 EPA 8260D 12-9-21 12-9-21	(cis) 1,3-Dichloropropene	ND	1.0	EPA 8260D	12-9-21	12-9-21	
Toluene ND 5.0 EPA 8260D 12-9-21 12-9-21		ND	10	EPA 8260D	12-9-21	12-9-21	
(trans) 1,3-Dichloropropene ND 1.0 EPA 8260D 12-9-21 12-9-21		ND	5.0	EPA 8260D	12-9-21	12-9-21	
	(trans) 1,3-Dichloropropen	e ND	1.0	EPA 8260D	12-9-21	12-9-21	

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VOLATILE ORGANICS EPA 8260D

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Amaluta	Dogulf.	DO!	Mathad	Date	Date	Elan-
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
	.GAC-MID-1-120821					
Laboratory ID:	12-082-07			10.0.01	40.0.04	
1,1,2-Trichloroethane	ND	1.0	EPA 8260D	12-9-21	12-9-21	
Tetrachloroethene	ND	1.0	EPA 8260D	12-9-21	12-9-21	
1,3-Dichloropropane	ND	1.0	EPA 8260D	12-9-21	12-9-21	
2-Hexanone	ND	10	EPA 8260D	12-9-21	12-9-21	
Dibromochloromethane	ND	1.0	EPA 8260D	12-9-21	12-9-21	
1,2-Dibromoethane	ND	1.0	EPA 8260D	12-9-21	12-9-21	
Chlorobenzene	ND	1.0	EPA 8260D	12-9-21	12-9-21	
1,1,1,2-Tetrachloroethane	ND	1.0	EPA 8260D	12-9-21	12-9-21	
Ethylbenzene	ND	1.0	EPA 8260D	12-9-21	12-9-21	
m,p-Xylene	ND	2.0	EPA 8260D	12-9-21	12-9-21	
o-Xylene	ND	1.0	EPA 8260D	12-9-21	12-9-21	
Styrene	ND	1.0	EPA 8260D	12-9-21	12-9-21	
Bromoform	ND	5.0	EPA 8260D	12-9-21	12-9-21	
Isopropylbenzene	ND	1.0	EPA 8260D	12-9-21	12-9-21	
Bromobenzene	ND	1.0	EPA 8260D	12-9-21	12-9-21	
1,1,2,2-Tetrachloroethane	ND	1.0	EPA 8260D	12-9-21	12-9-21	
1,2,3-Trichloropropane	ND	1.0	EPA 8260D	12-9-21	12-9-21	
n-Propylbenzene	ND	1.0	EPA 8260D	12-9-21	12-9-21	
2-Chlorotoluene	ND	1.0	EPA 8260D	12-9-21	12-9-21	
4-Chlorotoluene	ND	1.0	EPA 8260D	12-9-21	12-9-21	
1,3,5-Trimethylbenzene	ND	1.0	EPA 8260D	12-9-21	12-9-21	
tert-Butylbenzene	ND	1.0	EPA 8260D	12-9-21	12-9-21	
1,2,4-Trimethylbenzene	ND	1.0	EPA 8260D	12-9-21	12-9-21	
sec-Butylbenzene	ND	1.0	EPA 8260D	12-9-21	12-9-21	
1,3-Dichlorobenzene	ND	1.0	EPA 8260D	12-9-21	12-9-21	
p-Isopropyltoluene	ND	1.0	EPA 8260D	12-9-21	12-9-21	
1,4-Dichlorobenzene	ND	1.0	EPA 8260D	12-9-21	12-9-21	
1,2-Dichlorobenzene	ND	1.0	EPA 8260D	12-9-21	12-9-21	
n-Butylbenzene	ND	1.0	EPA 8260D	12-9-21	12-9-21	
1,2-Dibromo-3-chloropropan		5.0	EPA 8260D	12-9-21	12-9-21	
1,2,4-Trichlorobenzene	ND	1.0	EPA 8260D	12-9-21	12-9-21	
Hexachlorobutadiene	ND	5.0	EPA 8260D	12-9-21	12-9-21	
Naphthalene	ND	5.0	EPA 8260D	12-9-21	12-9-21	
1,2,3-Trichlorobenzene	ND	1.3	EPA 8260D	12-9-21	12-9-21	
Surrogate:	Percent Recovery	Control Limits		<u> </u>		
Dibromofluoromethane	103	75-127				
Toluene-d8	101	80-127				
เ บเนฮเ เฮ-นบ	101	00-127				

4-Bromofluorobenzene

78-125

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VOLATILE ORGANICS EPA 8260D QUALITY CONTROL

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				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1209W1					
Dichlorodifluoromethane	ND	0.26	EPA 8260D	12-9-21	12-9-21	
Chloromethane	ND	1.0	EPA 8260D	12-9-21	12-9-21	
Vinyl Chloride	ND	0.20	EPA 8260D	12-9-21	12-9-21	
Bromomethane	ND	0.20	EPA 8260D	12-9-21	12-9-21	
Chloroethane	ND	1.0	EPA 8260D	12-9-21	12-9-21	
Trichlorofluoromethane	ND	0.20	EPA 8260D	12-9-21	12-9-21	
1,1-Dichloroethene	ND	0.20	EPA 8260D	12-9-21	12-9-21	
Acetone	ND	5.0	EPA 8260D	12-9-21	12-9-21	
lodomethane	ND	1.3	EPA 8260D	12-9-21	12-9-21	
Carbon Disulfide	ND	0.20	EPA 8260D	12-9-21	12-9-21	
Methylene Chloride	ND	1.0	EPA 8260D	12-9-21	12-9-21	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260D	12-9-21	12-9-21	
Methyl t-Butyl Ether	ND	0.20	EPA 8260D	12-9-21	12-9-21	
1,1-Dichloroethane	ND	0.20	EPA 8260D	12-9-21	12-9-21	
Vinyl Acetate	ND	1.0	EPA 8260D	12-9-21	12-9-21	
2,2-Dichloropropane	ND	0.20	EPA 8260D	12-9-21	12-9-21	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260D	12-9-21	12-9-21	
2-Butanone	ND	5.0	EPA 8260D	12-9-21	12-9-21	
Bromochloromethane	ND	0.20	EPA 8260D	12-9-21	12-9-21	
Chloroform	ND	0.20	EPA 8260D	12-9-21	12-9-21	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	12-9-21	12-9-21	
Carbon Tetrachloride	ND	0.20	EPA 8260D	12-9-21	12-9-21	
1,1-Dichloropropene	ND	0.20	EPA 8260D	12-9-21	12-9-21	
Benzene	ND	0.20	EPA 8260D	12-9-21	12-9-21	
1,2-Dichloroethane	ND	0.20	EPA 8260D	12-9-21	12-9-21	
Trichloroethene	ND	0.20	EPA 8260D	12-9-21	12-9-21	
1,2-Dichloropropane	ND	0.20	EPA 8260D	12-9-21	12-9-21	
Dibromomethane	ND	0.20	EPA 8260D	12-9-21	12-9-21	
Bromodichloromethane	ND	0.20	EPA 8260D	12-9-21	12-9-21	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	12-9-21	12-9-21	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260D	12-9-21	12-9-21	
Toluene	ND	1.0	EPA 8260D	12-9-21	12-9-21	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	12-9-21	12-9-21	

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VOLATILE ORGANICS EPA 8260D QUALITY CONTROL

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Amalista	Decult	DOL	Mathad	Date	Date	Flores
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
METHOD BLANK	NAD 40001N/4					
Laboratory ID:	MB1209W1					
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	12-9-21	12-9-21	
Tetrachloroethene	ND	0.20	EPA 8260D	12-9-21	12-9-21	
1,3-Dichloropropane	ND	0.20	EPA 8260D	12-9-21	12-9-21	
2-Hexanone	ND	2.0	EPA 8260D	12-9-21	12-9-21	
Dibromochloromethane	ND	0.20	EPA 8260D	12-9-21	12-9-21	
1,2-Dibromoethane	ND	0.20	EPA 8260D	12-9-21	12-9-21	
Chlorobenzene	ND	0.20	EPA 8260D	12-9-21	12-9-21	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	12-9-21	12-9-21	
Ethylbenzene	ND	0.20	EPA 8260D	12-9-21	12-9-21	
m,p-Xylene	ND	0.40	EPA 8260D	12-9-21	12-9-21	
o-Xylene	ND	0.20	EPA 8260D	12-9-21	12-9-21	
Styrene	ND	0.20	EPA 8260D	12-9-21	12-9-21	
Bromoform	ND	1.0	EPA 8260D	12-9-21	12-9-21	
Isopropylbenzene	ND	0.20	EPA 8260D	12-9-21	12-9-21	
Bromobenzene	ND	0.20	EPA 8260D	12-9-21	12-9-21	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	12-9-21	12-9-21	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	12-9-21	12-9-21	
n-Propylbenzene	ND	0.20	EPA 8260D	12-9-21	12-9-21	
2-Chlorotoluene	ND	0.20	EPA 8260D	12-9-21	12-9-21	
4-Chlorotoluene	ND	0.20	EPA 8260D	12-9-21	12-9-21	
1,3,5-Trimethylbenzene	ND	0.20	EPA 8260D	12-9-21	12-9-21	
tert-Butylbenzene	ND	0.20	EPA 8260D	12-9-21	12-9-21	
1,2,4-Trimethylbenzene	ND	0.20	EPA 8260D	12-9-21	12-9-21	
sec-Butylbenzene	ND	0.20	EPA 8260D	12-9-21	12-9-21	
1,3-Dichlorobenzene	ND	0.20	EPA 8260D	12-9-21	12-9-21	
p-Isopropyltoluene	ND	0.20	EPA 8260D	12-9-21	12-9-21	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	12-9-21	12-9-21	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	12-9-21	12-9-21	
n-Butylbenzene	ND	0.20	EPA 8260D	12-9-21	12-9-21	
1,2-Dibromo-3-chloropropane		1.0	EPA 8260D	12-9-21	12-9-21	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260D	12-9-21	12-9-21	
Hexachlorobutadiene	ND	1.0	EPA 8260D	12-9-21	12-9-21	
Naphthalene	ND	1.0	EPA 8260D	12-9-21	12-9-21	
1,2,3-Trichlorobenzene	ND	0.25	EPA 8260D	12-9-21	12-9-21	
Surrogate:	Percent Recovery	Control Limits	LI /\ 0200D	12-0-21	12-J-21	

Surrogate: Percent Recovery Control Limits
Dibromofluoromethane 104 75-127
Toluene-d8 103 80-127
4-Bromofluorobenzene 100 78-125

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VOLATILE ORGANICS EPA 8260D QUALITY CONTROL

		Percent		Recovery		RPD				
Analyte	Res	sult	Spike	Level	Reco	Recovery		RPD	Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB12	09W1								
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	11.0	11.3	10.0	10.0	110	113	78-125	3	19	
Benzene	11.1	11.5	10.0	10.0	111	115	80-119	4	16	
Trichloroethene	10.8	11.0	10.0	10.0	108	110	80-121	2	18	
Toluene	10.5	10.6	10.0	10.0	105	106	80-117	1	18	
Chlorobenzene	9.98	10.3	10.0	10.0	100	103	80-117	3	17	
Surrogate:										
Dibromofluoromethane					104	105	75-127			
Toluene-d8					101	101	80-127			
4-Bromofluorobenzene					101	103	78-125			

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SILICA GEL TREATED HEXANE EXTRACTABLE MATERIAL EPA 1664A

Matrix: Water
Units: mg/L (ppm)

				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	LGAC-EFF-1,2,3-120821 Comp.					
Laboratory ID:	12-082-01,02,03 Comp.					
Non Polar HEM	ND	6.6	EPA 1664A	12-16-21	12-16-21	
Client ID:	LGAC-INF-1,2,3-120821 Comp.					
Laboratory ID:	12-082-04,05,06 Comp.					
Non Polar HEM	ND	6.7	EPA 1664A	12-16-21	12-16-21	
Client ID:	LGAC-MID-1,2,3-120821 Comp.					
Laboratory ID:	12-082-07,08,09 Comp.					
Non Polar HEM	ND	6.6	EPA 1664A	12-16-21	12-16-21	

Project: 060172

SILICA GEL TREATED HEXANE EXTRACTABLE MATERIAL EPA 1664A QUALITY CONTROL

Matrix: Water
Units: mg/L (ppm)

				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1216W1					
Non Polar HEM	ND	5.0	EPA 1664A	12-16-21	12-16-21	

Analyte	Result		Spike	Level		rcent covery	Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB12	16W1								
	SB	SBD	SB	SBD	SB	SBD				
Non Polar HEM	18.0	18.8	20.0	20.0	90	94	66-105	4	19	



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.
- 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

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Reviewed/Date	Received	Relinquished	Received	Relinquished	Received	Relinquished			9	2	1	6	C	2	W	-	-	Lab ID	sampled by:	<u>I</u>	Project Manage	C	Company:		
d/Date		shed		shed		hed			LGAC	LOAC-	LOAC-	LGRC-	LOAC.	LCAC-INF-1	LAC-1	GAC-E	DAC-EF		MME	Jerem	Spic	060172	Aspect		Analytica
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14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

January 13, 2022

Jeremy Porter Aspect Consulting Dexter Horton Building 710 2nd Avenue, Suite 550 Seattle, WA 98104

Re: Analytical Data for Project 060172

Laboratory Reference No. 2201-047

Dear Jeremy:

Enclosed are the analytical results and associated quality control data for samples submitted on January 7, 2022.

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,

David Baumeister Project Manager

Enclosures



Project: 060172

Case Narrative

Samples were collected on January 7, 2022 and received by the laboratory on January 7, 2022. 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.

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.

Project: 060172

GASOLINE RANGE ORGANICS NWTPH-Gx

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	LGAC-INF-1-010722					
Laboratory ID:	01-047-02					
Gasoline	ND	500	NWTPH-Gx	1-10-22	1-10-22	
Surrogate:	Percent Recovery	Control Limits				
Fluorobenzene	85	66-117				

Project: 060172

GASOLINE RANGE ORGANICS NWTPH-Gx QUALITY CONTROL

Matrix: Water
Units: ug/L (ppb)

			Date	Date	
Result	PQL	Method	Prepared	Analyzed	Flags
MB0110W1					
ND	100	NWTPH-Gx	1-10-22	1-10-22	
Percent Recovery	Control Limits				
85	66-117				
	MB0110W1 ND Percent Recovery	MB0110W1 ND 100 Percent Recovery Control Limits	MB0110W1 ND 100 NWTPH-Gx Percent Recovery Control Limits	MB0110W1 ND 100 NWTPH-Gx 1-10-22 Percent Recovery Control Limits	Result PQL Method Prepared Analyzed MB0110W1 NB 100 NWTPH-Gx 1-10-22 1-10-22 Percent Recovery Control Limits Control Limits Control Limits Control Limits

RPD Source Percent Recovery **RPD** Analyte Result Spike Level Result Limits Limit Flags_ Recovery DUPLICATE Laboratory ID: 01-046-01 **ORIG** DUP Gasoline ND ND NA NA NA NA NA 30

Surrogate:

Fluorobenzene 82 82 66-117

Project: 060172

VOLATILE ORGANICS EPA 8260D

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				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	LGAC-EFF-1-010722					
Laboratory ID:	01-047-01					
Dichlorodifluoromethane	ND	0.80	EPA 8260D	1-11-22	1-11-22	
Chloromethane	ND	4.0	EPA 8260D	1-11-22	1-11-22	
Vinyl Chloride	ND	0.80	EPA 8260D	1-11-22	1-11-22	
Bromomethane	ND	1.1	EPA 8260D	1-11-22	1-11-22	
Chloroethane	ND	5.2	EPA 8260D	1-11-22	1-11-22	
Trichlorofluoromethane	ND	0.80	EPA 8260D	1-11-22	1-11-22	
1,1-Dichloroethene	ND	0.80	EPA 8260D	1-11-22	1-11-22	
Acetone	210	20	EPA 8260D	1-11-22	1-11-22	
Iodomethane	ND	20	EPA 8260D	1-11-22	1-11-22	
Carbon Disulfide	ND	0.80	EPA 8260D	1-11-22	1-11-22	
Methylene Chloride	ND	4.0	EPA 8260D	1-11-22	1-11-22	
(trans) 1,2-Dichloroethene	ND	0.80	EPA 8260D	1-11-22	1-11-22	
Methyl t-Butyl Ether	ND	0.80	EPA 8260D	1-11-22	1-11-22	
1,1-Dichloroethane	ND	0.80	EPA 8260D	1-11-22	1-11-22	
Vinyl Acetate	ND	4.0	EPA 8260D	1-11-22	1-11-22	
2,2-Dichloropropane	ND	0.80	EPA 8260D	1-11-22	1-11-22	
(cis) 1,2-Dichloroethene	ND	0.80	EPA 8260D	1-11-22	1-11-22	
2-Butanone	48	20	EPA 8260D	1-11-22	1-11-22	
Bromochloromethane	ND	0.80	EPA 8260D	1-11-22	1-11-22	
Chloroform	ND	0.80	EPA 8260D	1-11-22	1-11-22	
1,1,1-Trichloroethane	ND	0.80	EPA 8260D	1-11-22	1-11-22	
Carbon Tetrachloride	ND	0.80	EPA 8260D	1-11-22	1-11-22	
1,1-Dichloropropene	ND	0.80	EPA 8260D	1-11-22	1-11-22	
Benzene	ND	0.80	EPA 8260D	1-11-22	1-11-22	
1,2-Dichloroethane	ND	0.80	EPA 8260D	1-11-22	1-11-22	
Trichloroethene	ND	1.6	EPA 8260D	1-11-22	1-11-22	
1,2-Dichloropropane	ND	0.80	EPA 8260D	1-11-22	1-11-22	
Dibromomethane	ND	0.80	EPA 8260D	1-11-22	1-11-22	
Bromodichloromethane	ND	0.80	EPA 8260D	1-11-22	1-11-22	
(cis) 1,3-Dichloropropene	ND	0.80	EPA 8260D	1-11-22	1-11-22	
Methyl Isobutyl Ketone	ND	8.0	EPA 8260D	1-11-22	1-11-22	
Toluene	ND	4.0	EPA 8260D	1-11-22	1-11-22	
(trans) 1,3-Dichloropropen	e ND	0.80	EPA 8260D	1-11-22	1-11-22	

Project: 060172

VOLATILE ORGANICS EPA 8260D

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				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID: L	GAC-EFF-1-010722					
Laboratory ID:	01-047-01					
1,1,2-Trichloroethane	ND	0.80	EPA 8260D	1-11-22	1-11-22	
Tetrachloroethene	ND	0.80	EPA 8260D	1-11-22	1-11-22	
1,3-Dichloropropane	ND	0.80	EPA 8260D	1-11-22	1-11-22	
2-Hexanone	ND	8.0	EPA 8260D	1-11-22	1-11-22	
Dibromochloromethane	ND	0.80	EPA 8260D	1-11-22	1-11-22	
1,2-Dibromoethane	ND	0.80	EPA 8260D	1-11-22	1-11-22	
Chlorobenzene	ND	0.80	EPA 8260D	1-11-22	1-11-22	
1,1,1,2-Tetrachloroethane	ND	0.80	EPA 8260D	1-11-22	1-11-22	
Ethylbenzene	ND	0.80	EPA 8260D	1-11-22	1-11-22	
m,p-Xylene	ND	1.6	EPA 8260D	1-11-22	1-11-22	
o-Xylene	ND	0.80	EPA 8260D	1-11-22	1-11-22	
Styrene	ND	0.80	EPA 8260D	1-11-22	1-11-22	
Bromoform	ND	4.0	EPA 8260D	1-11-22	1-11-22	
Isopropylbenzene	ND	0.80	EPA 8260D	1-11-22	1-11-22	
Bromobenzene	ND	0.80	EPA 8260D	1-11-22	1-11-22	
1,1,2,2-Tetrachloroethane	ND	0.80	EPA 8260D	1-11-22	1-11-22	
1,2,3-Trichloropropane	ND	0.80	EPA 8260D	1-11-22	1-11-22	
n-Propylbenzene	ND	0.80	EPA 8260D	1-11-22	1-11-22	
2-Chlorotoluene	ND	0.80	EPA 8260D	1-11-22	1-11-22	
4-Chlorotoluene	ND	0.80	EPA 8260D	1-11-22	1-11-22	
1,3,5-Trimethylbenzene	ND	0.80	EPA 8260D	1-11-22	1-11-22	
tert-Butylbenzene	ND	0.80	EPA 8260D	1-11-22	1-11-22	
1,2,4-Trimethylbenzene	ND	0.80	EPA 8260D	1-11-22	1-11-22	
sec-Butylbenzene	ND	0.80	EPA 8260D	1-11-22	1-11-22	
1,3-Dichlorobenzene	ND	0.80	EPA 8260D	1-11-22	1-11-22	
p-Isopropyltoluene	ND	0.80	EPA 8260D	1-11-22	1-11-22	
1,4-Dichlorobenzene	ND	0.80	EPA 8260D	1-11-22	1-11-22	
1,2-Dichlorobenzene	ND	0.80	EPA 8260D	1-11-22	1-11-22	
n-Butylbenzene	ND	0.80	EPA 8260D	1-11-22	1-11-22	
1,2-Dibromo-3-chloropropan	e ND	4.0	EPA 8260D	1-11-22	1-11-22	
1,2,4-Trichlorobenzene	ND	0.80	EPA 8260D	1-11-22	1-11-22	
Hexachlorobutadiene	ND	4.0	EPA 8260D	1-11-22	1-11-22	
Naphthalene	ND	4.0	EPA 8260D	1-11-22	1-11-22	
1,2,3-Trichlorobenzene	ND	0.80	EPA 8260D	1-11-22	1-11-22	
Surrogate:	Percent Recovery	Control Limits				_
Dibromofluoromethane	81	75-127				

 Dibromofluoromethane
 81
 75-127

 Toluene-d8
 92
 80-127

 4-Bromofluorobenzene
 89
 78-125



Project: 060172

VOLATILE ORGANICS EPA 8260D

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ormo. ag/L				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	LGAC-INF-1-010722					
Laboratory ID:	01-047-02					
Dichlorodifluoromethane	ND	5.4	EPA 8260D	1-12-22	1-12-22	
Chloromethane	ND	20	EPA 8260D	1-12-22	1-12-22	
Vinyl Chloride	ND	4.0	EPA 8260D	1-12-22	1-12-22	
Bromomethane	ND	4.0	EPA 8260D	1-12-22	1-12-22	
Chloroethane	ND	26	EPA 8260D	1-12-22	1-12-22	
Trichlorofluoromethane	ND	4.0	EPA 8260D	1-12-22	1-12-22	
1,1-Dichloroethene	ND	4.0	EPA 8260D	1-12-22	1-12-22	
Acetone	1900	100	EPA 8260D	1-12-22	1-12-22	
Iodomethane	ND	100	EPA 8260D	1-12-22	1-12-22	
Carbon Disulfide	ND	4.0	EPA 8260D	1-12-22	1-12-22	
Methylene Chloride	ND	20	EPA 8260D	1-12-22	1-12-22	
(trans) 1,2-Dichloroethene	ND	4.0	EPA 8260D	1-12-22	1-12-22	
Methyl t-Butyl Ether	ND	4.0	EPA 8260D	1-12-22	1-12-22	
1,1-Dichloroethane	ND	4.0	EPA 8260D	1-12-22	1-12-22	
Vinyl Acetate	ND	20	EPA 8260D	1-12-22	1-12-22	
2,2-Dichloropropane	ND	4.0	EPA 8260D	1-12-22	1-12-22	
(cis) 1,2-Dichloroethene	ND	4.0	EPA 8260D	1-12-22	1-12-22	
2-Butanone	240	100	EPA 8260D	1-12-22	1-12-22	
Bromochloromethane	ND	4.0	EPA 8260D	1-12-22	1-12-22	
Chloroform	ND	4.0	EPA 8260D	1-12-22	1-12-22	
1,1,1-Trichloroethane	ND	4.0	EPA 8260D	1-12-22	1-12-22	
Carbon Tetrachloride	ND	4.0	EPA 8260D	1-12-22	1-12-22	
1,1-Dichloropropene	ND	4.0	EPA 8260D	1-12-22	1-12-22	
Benzene	ND	4.0	EPA 8260D	1-12-22	1-12-22	
1,2-Dichloroethane	ND	4.0	EPA 8260D	1-12-22	1-12-22	
Trichloroethene	ND	8.0	EPA 8260D	1-12-22	1-12-22	
1,2-Dichloropropane	ND	4.0	EPA 8260D	1-12-22	1-12-22	
Dibromomethane	ND	4.0	EPA 8260D	1-12-22	1-12-22	
Bromodichloromethane	ND	4.0	EPA 8260D	1-12-22	1-12-22	
(cis) 1,3-Dichloropropene	ND	4.0	EPA 8260D	1-12-22	1-12-22	
Methyl Isobutyl Ketone	ND	40	EPA 8260D	1-12-22	1-12-22	
Toluene	ND	20	EPA 8260D	1-12-22	1-12-22	
(trans) 1,3-Dichloropropen	e ND	4.0	EPA 8260D	1-12-22	1-12-22	

Project: 060172

VOLATILE ORGANICS EPA 8260D

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				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	GAC-INF-1-010722					
Laboratory ID:	01-047-02					
1,1,2-Trichloroethane	ND	4.0	EPA 8260D	1-12-22	1-12-22	
Tetrachloroethene	ND	4.0	EPA 8260D	1-12-22	1-12-22	
1,3-Dichloropropane	ND	4.0	EPA 8260D	1-12-22	1-12-22	
2-Hexanone	ND	40	EPA 8260D	1-12-22	1-12-22	
Dibromochloromethane	ND	4.0	EPA 8260D	1-12-22	1-12-22	
1,2-Dibromoethane	ND	4.0	EPA 8260D	1-12-22	1-12-22	
Chlorobenzene	ND	4.0	EPA 8260D	1-12-22	1-12-22	
1,1,1,2-Tetrachloroethane	ND	4.0	EPA 8260D	1-12-22	1-12-22	
Ethylbenzene	ND	4.0	EPA 8260D	1-12-22	1-12-22	
m,p-Xylene	ND	8.0	EPA 8260D	1-12-22	1-12-22	
o-Xylene	ND	4.0	EPA 8260D	1-12-22	1-12-22	
Styrene	ND	4.0	EPA 8260D	1-12-22	1-12-22	
Bromoform	ND	20	EPA 8260D	1-12-22	1-12-22	
Isopropylbenzene	ND	4.0	EPA 8260D	1-12-22	1-12-22	
Bromobenzene	ND	4.0	EPA 8260D	1-12-22	1-12-22	
1,1,2,2-Tetrachloroethane	ND	4.0	EPA 8260D	1-12-22	1-12-22	
1,2,3-Trichloropropane	ND	4.0	EPA 8260D	1-12-22	1-12-22	
n-Propylbenzene	ND	4.0	EPA 8260D	1-12-22	1-12-22	
2-Chlorotoluene	ND	4.0	EPA 8260D	1-12-22	1-12-22	
4-Chlorotoluene	ND	4.0	EPA 8260D	1-12-22	1-12-22	
1,3,5-Trimethylbenzene	ND	4.0	EPA 8260D	1-12-22	1-12-22	
tert-Butylbenzene	ND	4.0	EPA 8260D	1-12-22	1-12-22	
1,2,4-Trimethylbenzene	ND	4.0	EPA 8260D	1-12-22	1-12-22	
sec-Butylbenzene	ND	4.0	EPA 8260D	1-12-22	1-12-22	
1,3-Dichlorobenzene	ND	4.0	EPA 8260D	1-12-22	1-12-22	
p-Isopropyltoluene	ND	4.0	EPA 8260D	1-12-22	1-12-22	
1,4-Dichlorobenzene	ND	4.0	EPA 8260D	1-12-22	1-12-22	
1,2-Dichlorobenzene	ND	4.0	EPA 8260D	1-12-22	1-12-22	
n-Butylbenzene	ND	4.0	EPA 8260D	1-12-22	1-12-22	
1,2-Dibromo-3-chloropropane	e ND	20	EPA 8260D	1-12-22	1-12-22	
1,2,4-Trichlorobenzene	ND	4.0	EPA 8260D	1-12-22	1-12-22	
Hexachlorobutadiene	ND	20	EPA 8260D	1-12-22	1-12-22	
Naphthalene	200	20	EPA 8260D	1-12-22	1-12-22	
1,2,3-Trichlorobenzene	ND	4.0	EPA 8260D	1-12-22	1-12-22	
Surrogate:	Percent Recovery	Control Limits				
Dibromofluoromethane	87	75-127				

4-Bromofluorobenzene

Toluene-d8

80-127

78-125

96 87

Project: 060172

VOLATILE ORGANICS EPA 8260D

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				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	LGAC-MID-1-010722					
Laboratory ID:	01-047-03					
Dichlorodifluoromethane	ND	2.0	EPA 8260D	1-11-22	1-11-22	
Chloromethane	ND	10	EPA 8260D	1-11-22	1-11-22	
Vinyl Chloride	ND	2.0	EPA 8260D	1-11-22	1-11-22	
Bromomethane	ND	2.7	EPA 8260D	1-11-22	1-11-22	
Chloroethane	ND	13	EPA 8260D	1-11-22	1-11-22	
Trichlorofluoromethane	ND	2.0	EPA 8260D	1-11-22	1-11-22	
1,1-Dichloroethene	ND	2.0	EPA 8260D	1-11-22	1-11-22	
Acetone	780	50	EPA 8260D	1-11-22	1-11-22	
lodomethane	ND	50	EPA 8260D	1-11-22	1-11-22	
Carbon Disulfide	ND	2.0	EPA 8260D	1-11-22	1-11-22	
Methylene Chloride	ND	10	EPA 8260D	1-11-22	1-11-22	
(trans) 1,2-Dichloroethene	ND	2.0	EPA 8260D	1-11-22	1-11-22	
Methyl t-Butyl Ether	ND	2.0	EPA 8260D	1-11-22	1-11-22	
1,1-Dichloroethane	ND	2.0	EPA 8260D	1-11-22	1-11-22	
Vinyl Acetate	ND	10	EPA 8260D	1-11-22	1-11-22	
2,2-Dichloropropane	ND	2.0	EPA 8260D	1-11-22	1-11-22	
(cis) 1,2-Dichloroethene	ND	2.0	EPA 8260D	1-11-22	1-11-22	
2-Butanone	130	50	EPA 8260D	1-11-22	1-11-22	
Bromochloromethane	ND	2.0	EPA 8260D	1-11-22	1-11-22	
Chloroform	ND	2.0	EPA 8260D	1-11-22	1-11-22	
1,1,1-Trichloroethane	ND	2.0	EPA 8260D	1-11-22	1-11-22	
Carbon Tetrachloride	ND	2.0	EPA 8260D	1-11-22	1-11-22	
1,1-Dichloropropene	ND	2.0	EPA 8260D	1-11-22	1-11-22	
Benzene	ND	2.0	EPA 8260D	1-11-22	1-11-22	
1,2-Dichloroethane	ND	2.0	EPA 8260D	1-11-22	1-11-22	
Trichloroethene	ND	4.0	EPA 8260D	1-11-22	1-11-22	
1,2-Dichloropropane	ND	2.0	EPA 8260D	1-11-22	1-11-22	
Dibromomethane	ND	2.0	EPA 8260D	1-11-22	1-11-22	
Bromodichloromethane	ND	2.0	EPA 8260D	1-11-22	1-11-22	
(cis) 1,3-Dichloropropene	ND	2.0	EPA 8260D	1-11-22	1-11-22	
Methyl Isobutyl Ketone	ND	20	EPA 8260D	1-11-22	1-11-22	
Toluene	ND	10	EPA 8260D	1-11-22	1-11-22	
(trans) 1,3-Dichloropropen	e ND	2.0	EPA 8260D	1-11-22	1-11-22	

Project: 060172

VOLATILE ORGANICS EPA 8260D

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				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	LGAC-MID-1-010722					
Laboratory ID:	01-047-03					
1,1,2-Trichloroethane	ND	2.0	EPA 8260D	1-11-22	1-11-22	
Tetrachloroethene	ND	2.0	EPA 8260D	1-11-22	1-11-22	
1,3-Dichloropropane	ND	2.0	EPA 8260D	1-11-22	1-11-22	
2-Hexanone	ND	20	EPA 8260D	1-11-22	1-11-22	
Dibromochloromethane	ND	2.0	EPA 8260D	1-11-22	1-11-22	
1,2-Dibromoethane	ND	2.0	EPA 8260D	1-11-22	1-11-22	
Chlorobenzene	ND	2.0	EPA 8260D	1-11-22	1-11-22	
1,1,1,2-Tetrachloroethane	ND	2.0	EPA 8260D	1-11-22	1-11-22	
Ethylbenzene	ND	2.0	EPA 8260D	1-11-22	1-11-22	
m,p-Xylene	ND	4.0	EPA 8260D	1-11-22	1-11-22	
o-Xylene	ND	2.0	EPA 8260D	1-11-22	1-11-22	
Styrene	ND	2.0	EPA 8260D	1-11-22	1-11-22	
Bromoform	ND	10	EPA 8260D	1-11-22	1-11-22	
Isopropylbenzene	ND	2.0	EPA 8260D	1-11-22	1-11-22	
Bromobenzene	ND	2.0	EPA 8260D	1-11-22	1-11-22	
1,1,2,2-Tetrachloroethane	ND	2.0	EPA 8260D	1-11-22	1-11-22	
1,2,3-Trichloropropane	ND	2.0	EPA 8260D	1-11-22	1-11-22	
n-Propylbenzene	ND	2.0	EPA 8260D	1-11-22	1-11-22	
2-Chlorotoluene	ND	2.0	EPA 8260D	1-11-22	1-11-22	
4-Chlorotoluene	ND	2.0	EPA 8260D	1-11-22	1-11-22	
1,3,5-Trimethylbenzene	ND	2.0	EPA 8260D	1-11-22	1-11-22	
tert-Butylbenzene	ND	2.0	EPA 8260D	1-11-22	1-11-22	
1,2,4-Trimethylbenzene	ND	2.0	EPA 8260D	1-11-22	1-11-22	
sec-Butylbenzene	ND	2.0	EPA 8260D	1-11-22	1-11-22	
1,3-Dichlorobenzene	ND	2.0	EPA 8260D	1-11-22	1-11-22	
p-Isopropyltoluene	ND	2.0	EPA 8260D	1-11-22	1-11-22	
1,4-Dichlorobenzene	ND	2.0	EPA 8260D	1-11-22	1-11-22	
1,2-Dichlorobenzene	ND	2.0	EPA 8260D	1-11-22	1-11-22	
n-Butylbenzene	ND	2.0	EPA 8260D	1-11-22	1-11-22	
1,2-Dibromo-3-chloropropar	ne ND	10	EPA 8260D	1-11-22	1-11-22	
1,2,4-Trichlorobenzene	ND	2.0	EPA 8260D	1-11-22	1-11-22	
Hexachlorobutadiene	ND	10	EPA 8260D	1-11-22	1-11-22	
Naphthalene	ND	10	EPA 8260D	1-11-22	1-11-22	
1,2,3-Trichlorobenzene	ND	2.0	EPA 8260D	1-11-22	1-11-22	
Surrogate:	Percent Recovery	Control Limits				
Dibromofluoromethane	79	75-127				

 Dibromofluoromethane
 79
 75-127

 Toluene-d8
 92
 80-127

 4-Bromofluorobenzene
 86
 78-125

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VOLATILE ORGANICS EPA 8260D QUALITY CONTROL

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Analyte Result PQL Method Prepared Analyzed METHOD BLANK Laboratory ID: MB0111W1 Dichlorodifluoromethane ND 0.20 EPA 8260D 1-11-22 1-11-22 Chloromethane ND 1.0 EPA 8260D 1-11-22 1-11-22 Vinyl Chloride ND 0.20 EPA 8260D 1-11-22 1-11-22 Bromomethane ND 0.27 EPA 8260D 1-11-22 1-11-22	l Flags
Laboratory ID: MB0111W1 Dichlorodifluoromethane ND 0.20 EPA 8260D 1-11-22 1-11-22 Chloromethane ND 1.0 EPA 8260D 1-11-22 1-11-22 Vinyl Chloride ND 0.20 EPA 8260D 1-11-22 1-11-22 Bromomethane ND 0.27 EPA 8260D 1-11-22 1-11-22	
Dichlorodifluoromethane ND 0.20 EPA 8260D 1-11-22 1-11-22 Chloromethane ND 1.0 EPA 8260D 1-11-22 1-11-22 Vinyl Chloride ND 0.20 EPA 8260D 1-11-22 1-11-22 Bromomethane ND 0.27 EPA 8260D 1-11-22 1-11-22	
Chloromethane ND 1.0 EPA 8260D 1-11-22 1-11-22 Vinyl Chloride ND 0.20 EPA 8260D 1-11-22 1-11-22 Bromomethane ND 0.27 EPA 8260D 1-11-22 1-11-22	
Vinyl Chloride ND 0.20 EPA 8260D 1-11-22 1-11-22 Bromomethane ND 0.27 EPA 8260D 1-11-22 1-11-22	
Bromomethane ND 0.27 EPA 8260D 1-11-22 1-11-22	
Chloroethane ND 1.3 EPA 8260D 1-11-22 1-11-22	
Trichlorofluoromethane ND 0.20 EPA 8260D 1-11-22 1-11-22	
1,1-Dichloroethene ND 0.20 EPA 8260D 1-11-22 1-11-22	
Acetone ND 5.0 EPA 8260D 1-11-22 1-11-22	
lodomethane ND 5.0 EPA 8260D 1-11-22 1-11-22	
Carbon Disulfide ND 0.20 EPA 8260D 1-11-22 1-11-22	
Methylene Chloride ND 1.0 EPA 8260D 1-11-22 1-11-22	
(trans) 1,2-Dichloroethene ND 0.20 EPA 8260D 1-11-22 1-11-22	
Methyl t-Butyl Ether ND 0.20 EPA 8260D 1-11-22 1-11-22	
1,1-Dichloroethane ND 0.20 EPA 8260D 1-11-22 1-11-22	
Vinyl Acetate ND 1.0 EPA 8260D 1-11-22 1-11-22	
2,2-Dichloropropane ND 0.20 EPA 8260D 1-11-22 1-11-22	
(cis) 1,2-Dichloroethene ND 0.20 EPA 8260D 1-11-22 1-11-22	
2-Butanone ND 5.0 EPA 8260D 1-11-22 1-11-22	
Bromochloromethane ND 0.20 EPA 8260D 1-11-22 1-11-22	
Chloroform ND 0.20 EPA 8260D 1-11-22 1-11-22	
1,1,1-Trichloroethane ND 0.20 EPA 8260D 1-11-22 1-11-22	
Carbon Tetrachloride ND 0.20 EPA 8260D 1-11-22 1-11-22	
1,1-Dichloropropene ND 0.20 EPA 8260D 1-11-22 1-11-22	
Benzene ND 0.20 EPA 8260D 1-11-22 1-11-22	
1,2-Dichloroethane ND 0.20 EPA 8260D 1-11-22 1-11-22	
Trichloroethene ND 0.40 EPA 8260D 1-11-22 1-11-22	
1,2-Dichloropropane ND 0.20 EPA 8260D 1-11-22 1-11-22	
Dibromomethane ND 0.20 EPA 8260D 1-11-22 1-11-22	
Bromodichloromethane ND 0.20 EPA 8260D 1-11-22 1-11-22	
(cis) 1,3-Dichloropropene ND 0.20 EPA 8260D 1-11-22 1-11-22	
Methyl Isobutyl Ketone ND 2.0 EPA 8260D 1-11-22 1-11-22	
Toluene ND 1.0 EPA 8260D 1-11-22 1-11-22	
(trans) 1,3-Dichloropropene ND 0.20 EPA 8260D 1-11-22 1-11-22	

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VOLATILE ORGANICS EPA 8260D QUALITY CONTROL

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Analyta	Dogult	PQL	Mathad	Date	Date	Elogo
Analyte METHOD BLANK	Result	PQL	Method	Prepared	Analyzed	Flags
	MD0111M1					
Laboratory ID:	MB0111W1	0.00	EDA 0200D	4 44 00	4 44 00	
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	1-11-22	1-11-22	
Tetrachloroethene	ND	0.20	EPA 8260D	1-11-22	1-11-22	
1,3-Dichloropropane	ND	0.20	EPA 8260D	1-11-22	1-11-22	
2-Hexanone	ND	2.0	EPA 8260D	1-11-22	1-11-22	
Dibromochloromethane	ND	0.20	EPA 8260D	1-11-22	1-11-22	
1,2-Dibromoethane	ND	0.20	EPA 8260D	1-11-22	1-11-22	
Chlorobenzene	ND	0.20	EPA 8260D	1-11-22	1-11-22	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	1-11-22	1-11-22	
Ethylbenzene	ND	0.20	EPA 8260D	1-11-22	1-11-22	
m,p-Xylene	ND	0.40	EPA 8260D	1-11-22	1-11-22	
o-Xylene	ND	0.20	EPA 8260D	1-11-22	1-11-22	
Styrene	ND	0.20	EPA 8260D	1-11-22	1-11-22	
Bromoform	ND	1.0	EPA 8260D	1-11-22	1-11-22	
Isopropylbenzene	ND	0.20	EPA 8260D	1-11-22	1-11-22	
Bromobenzene	ND	0.20	EPA 8260D	1-11-22	1-11-22	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	1-11-22	1-11-22	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	1-11-22	1-11-22	
n-Propylbenzene	ND	0.20	EPA 8260D	1-11-22	1-11-22	
2-Chlorotoluene	ND	0.20	EPA 8260D	1-11-22	1-11-22	
4-Chlorotoluene	ND	0.20	EPA 8260D	1-11-22	1-11-22	
1,3,5-Trimethylbenzene	ND	0.20	EPA 8260D	1-11-22	1-11-22	
tert-Butylbenzene	ND	0.20	EPA 8260D	1-11-22	1-11-22	
1,2,4-Trimethylbenzene	ND	0.20	EPA 8260D	1-11-22	1-11-22	
sec-Butylbenzene	ND	0.20	EPA 8260D	1-11-22	1-11-22	
1,3-Dichlorobenzene	ND	0.20	EPA 8260D	1-11-22	1-11-22	
p-Isopropyltoluene	ND	0.20	EPA 8260D	1-11-22	1-11-22	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	1-11-22	1-11-22	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	1-11-22	1-11-22	
n-Butylbenzene	ND	0.20	EPA 8260D	1-11-22	1-11-22	
1,2-Dibromo-3-chloropropane		1.0	EPA 8260D	1-11-22	1-11-22	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260D	1-11-22	1-11-22	
Hexachlorobutadiene	ND	1.0	EPA 8260D	1-11-22	1-11-22	
Naphthalene	ND	1.0	EPA 8260D	1-11-22	1-11-22	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260D	1-11-22	1-11-22	
Surrogate:	Percent Recovery	Control Limits	LI /\ 0200D	1-11-22	1-11-22	

Surrogate: Percent Recovery Control Limits
Dibromofluoromethane 82 75-127
Toluene-d8 93 80-127
4-Bromofluorobenzene 90 78-125



Project: 060172

VOLATILE ORGANICS EPA 8260D QUALITY CONTROL

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				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0112W1					
Dichlorodifluoromethane	ND	0.27	EPA 8260D	1-12-22	1-12-22	
Chloromethane	ND	1.0	EPA 8260D	1-12-22	1-12-22	
Vinyl Chloride	ND	0.20	EPA 8260D	1-12-22	1-12-22	
Bromomethane	ND	0.20	EPA 8260D	1-12-22	1-12-22	
Chloroethane	ND	1.3	EPA 8260D	1-12-22	1-12-22	
Trichlorofluoromethane	ND	0.20	EPA 8260D	1-12-22	1-12-22	
1,1-Dichloroethene	ND	0.20	EPA 8260D	1-12-22	1-12-22	
Acetone	ND	5.0	EPA 8260D	1-12-22	1-12-22	
lodomethane	ND	5.0	EPA 8260D	1-12-22	1-12-22	
Carbon Disulfide	ND	0.20	EPA 8260D	1-12-22	1-12-22	
Methylene Chloride	ND	1.0	EPA 8260D	1-12-22	1-12-22	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260D	1-12-22	1-12-22	
Methyl t-Butyl Ether	ND	0.20	EPA 8260D	1-12-22	1-12-22	
1,1-Dichloroethane	ND	0.20	EPA 8260D	1-12-22	1-12-22	
Vinyl Acetate	ND	1.0	EPA 8260D	1-12-22	1-12-22	
2,2-Dichloropropane	ND	0.20	EPA 8260D	1-12-22	1-12-22	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260D	1-12-22	1-12-22	
2-Butanone	ND	5.0	EPA 8260D	1-12-22	1-12-22	
Bromochloromethane	ND	0.20	EPA 8260D	1-12-22	1-12-22	
Chloroform	ND	0.20	EPA 8260D	1-12-22	1-12-22	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	1-12-22	1-12-22	
Carbon Tetrachloride	ND	0.20	EPA 8260D	1-12-22	1-12-22	
1,1-Dichloropropene	ND	0.20	EPA 8260D	1-12-22	1-12-22	
Benzene	ND	0.20	EPA 8260D	1-12-22	1-12-22	
1,2-Dichloroethane	ND	0.20	EPA 8260D	1-12-22	1-12-22	
Trichloroethene	ND	0.40	EPA 8260D	1-12-22	1-12-22	
1,2-Dichloropropane	ND	0.20	EPA 8260D	1-12-22	1-12-22	
Dibromomethane	ND	0.20	EPA 8260D	1-12-22	1-12-22	
Bromodichloromethane	ND	0.20	EPA 8260D	1-12-22	1-12-22	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	1-12-22	1-12-22	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260D	1-12-22	1-12-22	
Toluene	ND	1.0	EPA 8260D	1-12-22	1-12-22	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	1-12-22	1-12-22	

Project: 060172

VOLATILE ORGANICS EPA 8260D QUALITY CONTROL

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				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0112W1					
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	1-12-22	1-12-22	
Tetrachloroethene	ND	0.20	EPA 8260D	1-12-22	1-12-22	
1,3-Dichloropropane	ND	0.20	EPA 8260D	1-12-22	1-12-22	
2-Hexanone	ND	2.0	EPA 8260D	1-12-22	1-12-22	
Dibromochloromethane	ND	0.20	EPA 8260D	1-12-22	1-12-22	
1,2-Dibromoethane	ND	0.20	EPA 8260D	1-12-22	1-12-22	
Chlorobenzene	ND	0.20	EPA 8260D	1-12-22	1-12-22	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	1-12-22	1-12-22	
Ethylbenzene	ND	0.20	EPA 8260D	1-12-22	1-12-22	
m,p-Xylene	ND	0.40	EPA 8260D	1-12-22	1-12-22	
o-Xylene	ND	0.20	EPA 8260D	1-12-22	1-12-22	
Styrene	ND	0.20	EPA 8260D	1-12-22	1-12-22	
Bromoform	ND	1.0	EPA 8260D	1-12-22	1-12-22	
Isopropylbenzene	ND	0.20	EPA 8260D	1-12-22	1-12-22	
Bromobenzene	ND	0.20	EPA 8260D	1-12-22	1-12-22	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	1-12-22	1-12-22	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	1-12-22	1-12-22	
n-Propylbenzene	ND	0.20	EPA 8260D	1-12-22	1-12-22	
2-Chlorotoluene	ND	0.20	EPA 8260D	1-12-22	1-12-22	
4-Chlorotoluene	ND	0.20	EPA 8260D	1-12-22	1-12-22	
1,3,5-Trimethylbenzene	ND	0.20	EPA 8260D	1-12-22	1-12-22	
tert-Butylbenzene	ND	0.20	EPA 8260D	1-12-22	1-12-22	
1,2,4-Trimethylbenzene	ND	0.20	EPA 8260D	1-12-22	1-12-22	
sec-Butylbenzene	ND	0.20	EPA 8260D	1-12-22	1-12-22	
1,3-Dichlorobenzene	ND	0.20	EPA 8260D	1-12-22	1-12-22	
p-Isopropyltoluene	ND	0.20	EPA 8260D	1-12-22	1-12-22	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	1-12-22	1-12-22	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	1-12-22	1-12-22	
n-Butylbenzene	ND	0.20	EPA 8260D	1-12-22	1-12-22	
1,2-Dibromo-3-chloropropane		1.0	EPA 8260D	1-12-22	1-12-22	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260D	1-12-22	1-12-22	
Hexachlorobutadiene	ND	1.0	EPA 8260D	1-12-22	1-12-22	
Naphthalene	ND	1.0	EPA 8260D	1-12-22	1-12-22	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260D	1-12-22	1-12-22	
Surrogate:	Percent Recovery	Control Limits				
Dibromofluoromethane	87	75-127				
DIDIONIUOIONENIANE	07	10-121				

4-Bromofluorobenzene

Toluene-d8

80-127

78-125

95

85

Project: 060172

VOLATILE ORGANICS EPA 8260D QUALITY CONTROL

					Per	cent	Recovery		RPD	
Analyte	Res	sult	Spike	Level	Rece	overy	Limits	RPD	Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB01	11W1								
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	8.69	8.16	10.0	10.0	87	82	78-125	6	19	
Benzene	8.59	8.31	10.0	10.0	86	83	80-119	3	16	
Trichloroethene	9.33	9.20	10.0	10.0	93	92	80-121	1	18	
Toluene	8.48	8.30	10.0	10.0	85	83	80-117	2	18	
Chlorobenzene	10.5	10.3	10.0	10.0	105	103	80-117	2	17	
Surrogate:										
Dibromofluoromethane					85	83	75-127			
Toluene-d8					96	96	80-127			
4-Bromofluorobenzene					97	98	78-125			
Laboratory ID:	SB01	12W1								
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	8.84	8.78	10.0	10.0	88	88	78-125	1	19	
Benzene	8.87	8.92	10.0	10.0	89	89	80-119	1	16	
Trichloroethene	9.12	9.07	10.0	10.0	91	91	80-121	1	18	
Toluene	8.72	8.76	10.0	10.0	87	88	80-117	0	18	
Chlorobenzene	10.8	10.6	10.0	10.0	108	106	80-117	2	17	
Surrogate:										
Dibromofluoromethane					85	86	75-127			
Toluene-d8					96	97	80-127			
4-Bromofluorobenzene					94	93	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.
- 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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of



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

February 3, 2022

Jeremy Porter Aspect Consulting Dexter Horton Building 710 2nd Avenue, Suite 550 Seattle, WA 98104

Re: Analytical Data for Project 060172

Laboratory Reference No. 2201-213

Dear Jeremy:

Enclosed are the analytical results and associated quality control data for samples submitted on January 26, 2022.

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,

David Baumeister Project Manager

Enclosures



Project: 060172

Case Narrative

Samples were collected on January 26, 2022 and received by the laboratory on January 26, 2022. 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.

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.

Project: 060172

VOLATILE ORGANICS EPA 8260D

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				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	LGAC-EFF-1-012622					
Laboratory ID:	01-213-01					
Dichlorodifluoromethane	ND	0.80	EPA 8260D	1-27-22	1-27-22	
Chloromethane	ND	4.0	EPA 8260D	1-27-22	1-27-22	
Vinyl Chloride	ND	0.80	EPA 8260D	1-27-22	1-27-22	
Bromomethane	ND	4.0	EPA 8260D	1-27-22	1-27-22	
Chloroethane	ND	4.0	EPA 8260D	1-27-22	1-27-22	
Trichlorofluoromethane	ND	0.80	EPA 8260D	1-27-22	1-27-22	
1,1-Dichloroethene	ND	0.80	EPA 8260D	1-27-22	1-27-22	
Acetone	200	20	EPA 8260D	1-27-22	1-27-22	
lodomethane	ND	40	EPA 8260D	1-27-22	1-27-22	
Carbon Disulfide	ND	0.80	EPA 8260D	1-27-22	1-27-22	
Methylene Chloride	ND	4.0	EPA 8260D	1-27-22	1-27-22	
(trans) 1,2-Dichloroethene	ND	0.80	EPA 8260D	1-27-22	1-27-22	
Methyl t-Butyl Ether	ND	0.80	EPA 8260D	1-27-22	1-27-22	
1,1-Dichloroethane	ND	0.80	EPA 8260D	1-27-22	1-27-22	
Vinyl Acetate	ND	4.0	EPA 8260D	1-27-22	1-27-22	
2,2-Dichloropropane	ND	0.80	EPA 8260D	1-27-22	1-27-22	
(cis) 1,2-Dichloroethene	ND	0.80	EPA 8260D	1-27-22	1-27-22	
2-Butanone	39	20	EPA 8260D	1-27-22	1-27-22	
Bromochloromethane	ND	0.80	EPA 8260D	1-27-22	1-27-22	
Chloroform	ND	0.80	EPA 8260D	1-27-22	1-27-22	
1,1,1-Trichloroethane	ND	0.80	EPA 8260D	1-27-22	1-27-22	
Carbon Tetrachloride	ND	0.80	EPA 8260D	1-27-22	1-27-22	
1,1-Dichloropropene	ND	0.80	EPA 8260D	1-27-22	1-27-22	
Benzene	ND	0.80	EPA 8260D	1-27-22	1-27-22	
1,2-Dichloroethane	ND	0.80	EPA 8260D	1-27-22	1-27-22	
Trichloroethene	ND	0.80	EPA 8260D	1-27-22	1-27-22	
1,2-Dichloropropane	ND	0.80	EPA 8260D	1-27-22	1-27-22	
Dibromomethane	ND	0.80	EPA 8260D	1-27-22	1-27-22	
Bromodichloromethane	ND	0.80	EPA 8260D	1-27-22	1-27-22	
(cis) 1,3-Dichloropropene	ND	0.80	EPA 8260D	1-27-22	1-27-22	
Methyl Isobutyl Ketone	ND	8.0	EPA 8260D	1-27-22	1-27-22	
Toluene	ND	4.0	EPA 8260D	1-27-22	1-27-22	
(trans) 1,3-Dichloropropen	e ND	0.80	EPA 8260D	1-27-22	1-27-22	

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				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	LGAC-EFF-1-012622					
Laboratory ID:	01-213-01					
1,1,2-Trichloroethane	ND	0.80	EPA 8260D	1-27-22	1-27-22	
Tetrachloroethene	ND	0.80	EPA 8260D	1-27-22	1-27-22	
1,3-Dichloropropane	ND	0.80	EPA 8260D	1-27-22	1-27-22	
2-Hexanone	ND	8.0	EPA 8260D	1-27-22	1-27-22	
Dibromochloromethane	ND	0.80	EPA 8260D	1-27-22	1-27-22	
1,2-Dibromoethane	ND	0.80	EPA 8260D	1-27-22	1-27-22	
Chlorobenzene	ND	0.80	EPA 8260D	1-27-22	1-27-22	
1,1,1,2-Tetrachloroethane	ND	0.80	EPA 8260D	1-27-22	1-27-22	
Ethylbenzene	ND	0.80	EPA 8260D	1-27-22	1-27-22	
m,p-Xylene	ND	1.6	EPA 8260D	1-27-22	1-27-22	
o-Xylene	ND	0.80	EPA 8260D	1-27-22	1-27-22	
Styrene	ND	0.80	EPA 8260D	1-27-22	1-27-22	
Bromoform	ND	4.0	EPA 8260D	1-27-22	1-27-22	
Isopropylbenzene	ND	0.80	EPA 8260D	1-27-22	1-27-22	
Bromobenzene	ND	0.80	EPA 8260D	1-27-22	1-27-22	
1,1,2,2-Tetrachloroethane	ND	0.80	EPA 8260D	1-27-22	1-27-22	
1,2,3-Trichloropropane	ND	0.80	EPA 8260D	1-27-22	1-27-22	
n-Propylbenzene	ND	0.80	EPA 8260D	1-27-22	1-27-22	
2-Chlorotoluene	ND	0.80	EPA 8260D	1-27-22	1-27-22	
4-Chlorotoluene	ND	0.80	EPA 8260D	1-27-22	1-27-22	
1,3,5-Trimethylbenzene	ND	0.80	EPA 8260D	1-27-22	1-27-22	
tert-Butylbenzene	ND	0.80	EPA 8260D	1-27-22	1-27-22	
1,2,4-Trimethylbenzene	ND	0.80	EPA 8260D	1-27-22	1-27-22	
sec-Butylbenzene	ND	0.80	EPA 8260D	1-27-22	1-27-22	
1,3-Dichlorobenzene	ND	0.80	EPA 8260D	1-27-22	1-27-22	
p-Isopropyltoluene	ND	0.80	EPA 8260D	1-27-22	1-27-22	
1,4-Dichlorobenzene	ND	0.80	EPA 8260D	1-27-22	1-27-22	
1,2-Dichlorobenzene	ND	0.80	EPA 8260D	1-27-22	1-27-22	
n-Butylbenzene	ND	0.80	EPA 8260D	1-27-22	1-27-22	
1,2-Dibromo-3-chloropropar	ne ND	4.0	EPA 8260D	1-27-22	1-27-22	
1,2,4-Trichlorobenzene	ND	0.80	EPA 8260D	1-27-22	1-27-22	
Hexachlorobutadiene	ND	4.0	EPA 8260D	1-27-22	1-27-22	
Naphthalene	ND	4.0	EPA 8260D	1-27-22	1-27-22	
1,2,3-Trichlorobenzene	ND	0.80	EPA 8260D	1-27-22	1-27-22	
Surrogate:	Percent Recovery	Control Limits				
Dibromofluoromethane	99	75-127				
Toluene-d8	99	80-127				

 Distribution of the triane
 95
 73-127

 Toluene-d8
 99
 80-127

 4-Bromofluorobenzene
 97
 78-125



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Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	LGAC-INF-1-012622					
Laboratory ID:	01-213-04					
Dichlorodifluoromethane	ND	10	EPA 8260D	1-26-22	1-26-22	
Chloromethane	ND	50	EPA 8260D	1-26-22	1-26-22	
Vinyl Chloride	ND	10	EPA 8260D	1-26-22	1-26-22	
Bromomethane	ND	50	EPA 8260D	1-26-22	1-26-22	
Chloroethane	ND	50	EPA 8260D	1-26-22	1-26-22	
Trichlorofluoromethane	ND	10	EPA 8260D	1-26-22	1-26-22	
1,1-Dichloroethene	ND	10	EPA 8260D	1-26-22	1-26-22	
Acetone	4200	250	EPA 8260D	1-26-22	1-26-22	
lodomethane	ND	250	EPA 8260D	1-26-22	1-26-22	
Carbon Disulfide	ND	10	EPA 8260D	1-26-22	1-26-22	
Methylene Chloride	ND	50	EPA 8260D	1-26-22	1-26-22	
(trans) 1,2-Dichloroethene	ND	10	EPA 8260D	1-26-22	1-26-22	
Methyl t-Butyl Ether	ND	10	EPA 8260D	1-26-22	1-26-22	
1,1-Dichloroethane	ND	10	EPA 8260D	1-26-22	1-26-22	
Vinyl Acetate	ND	50	EPA 8260D	1-26-22	1-26-22	
2,2-Dichloropropane	ND	10	EPA 8260D	1-26-22	1-26-22	
(cis) 1,2-Dichloroethene	ND	10	EPA 8260D	1-26-22	1-26-22	
2-Butanone	610	250	EPA 8260D	1-26-22	1-26-22	
Bromochloromethane	ND	10	EPA 8260D	1-26-22	1-26-22	
Chloroform	ND	10	EPA 8260D	1-26-22	1-26-22	
1,1,1-Trichloroethane	ND	10	EPA 8260D	1-26-22	1-26-22	
Carbon Tetrachloride	ND	10	EPA 8260D	1-26-22	1-26-22	
1,1-Dichloropropene	ND	10	EPA 8260D	1-26-22	1-26-22	
Benzene	ND	10	EPA 8260D	1-26-22	1-26-22	
1,2-Dichloroethane	ND	10	EPA 8260D	1-26-22	1-26-22	
Trichloroethene	ND	10	EPA 8260D	1-26-22	1-26-22	
1,2-Dichloropropane	ND	10	EPA 8260D	1-26-22	1-26-22	
Dibromomethane	ND	10	EPA 8260D	1-26-22	1-26-22	
Bromodichloromethane	ND	10	EPA 8260D	1-26-22	1-26-22	
(cis) 1,3-Dichloropropene	ND	10	EPA 8260D	1-26-22	1-26-22	
Methyl Isobutyl Ketone	ND	100	EPA 8260D	1-26-22	1-26-22	
Toluene	ND	50	EPA 8260D	1-26-22	1-26-22	
(trans) 1,3-Dichloropropen	e ND	10	EPA 8260D	1-26-22	1-26-22	

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				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	LGAC-INF-1-012622					
Laboratory ID:	01-213-04					
1,1,2-Trichloroethane	ND	10	EPA 8260D	1-26-22	1-26-22	
Tetrachloroethene	ND	10	EPA 8260D	1-26-22	1-26-22	
1,3-Dichloropropane	ND	10	EPA 8260D	1-26-22	1-26-22	
2-Hexanone	ND	100	EPA 8260D	1-26-22	1-26-22	
Dibromochloromethane	ND	10	EPA 8260D	1-26-22	1-26-22	
1,2-Dibromoethane	ND	10	EPA 8260D	1-26-22	1-26-22	
Chlorobenzene	ND	10	EPA 8260D	1-26-22	1-26-22	
1,1,1,2-Tetrachloroethane	ND	10	EPA 8260D	1-26-22	1-26-22	
Ethylbenzene	ND	10	EPA 8260D	1-26-22	1-26-22	
m,p-Xylene	ND	20	EPA 8260D	1-26-22	1-26-22	
o-Xylene	ND	10	EPA 8260D	1-26-22	1-26-22	
Styrene	ND	10	EPA 8260D	1-26-22	1-26-22	
Bromoform	ND	50	EPA 8260D	1-26-22	1-26-22	
Isopropylbenzene	ND	10	EPA 8260D	1-26-22	1-26-22	
Bromobenzene	ND	10	EPA 8260D	1-26-22	1-26-22	
1,1,2,2-Tetrachloroethane	ND	10	EPA 8260D	1-26-22	1-26-22	
1,2,3-Trichloropropane	ND	10	EPA 8260D	1-26-22	1-26-22	
n-Propylbenzene	ND	10	EPA 8260D	1-26-22	1-26-22	
2-Chlorotoluene	ND	10	EPA 8260D	1-26-22	1-26-22	
4-Chlorotoluene	ND	10	EPA 8260D	1-26-22	1-26-22	
1,3,5-Trimethylbenzene	ND	10	EPA 8260D	1-26-22	1-26-22	
tert-Butylbenzene	ND	10	EPA 8260D	1-26-22	1-26-22	
1,2,4-Trimethylbenzene	ND	10	EPA 8260D	1-26-22	1-26-22	
sec-Butylbenzene	ND	10	EPA 8260D	1-26-22	1-26-22	
1,3-Dichlorobenzene	ND	10	EPA 8260D	1-26-22	1-26-22	
p-Isopropyltoluene	ND	10	EPA 8260D	1-26-22	1-26-22	
1,4-Dichlorobenzene	ND	10	EPA 8260D	1-26-22	1-26-22	
1,2-Dichlorobenzene	ND	10	EPA 8260D	1-26-22	1-26-22	
n-Butylbenzene	ND	10	EPA 8260D	1-26-22	1-26-22	
1,2-Dibromo-3-chloropropar	ne ND	50	EPA 8260D	1-26-22	1-26-22	
1,2,4-Trichlorobenzene	ND	10	EPA 8260D	1-26-22	1-26-22	
Hexachlorobutadiene	ND	50	EPA 8260D	1-26-22	1-26-22	
Naphthalene	240	50	EPA 8260D	1-26-22	1-26-22	
1,2,3-Trichlorobenzene	ND	10	EPA 8260D	1-26-22	1-26-22	
Surrogate:	Percent Recovery	Control Limits				
Dibromofluoromethane	103	75-127				
T / 10	404	00.407				

Dibromofluoromethane 103 75-127
Toluene-d8 101 80-127
4-Bromofluorobenzene 96 78-125



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Analyse Result PQL Method Prepared Analyzed Flags					Date	Date	
Laboratory ID:	Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Dichlorodifluoromethane	Client ID:	LGAC-MID-1-012622					
Chloromethane ND 20 EPA 8260D 1-27-22 1-27-22 Vinyl Chloride ND 4.0 EPA 8260D 1-27-22 1-27-22 Bromomethane ND 20 EPA 8260D 1-27-22 1-27-22 Chloroethane ND 20 EPA 8260D 1-27-22 1-27-22 Trichlorofluoromethane ND 4.0 EPA 8260D 1-27-22 1-27-22 1,1-Dichloroethene ND 4.0 EPA 8260D 1-27-22 1-27-22 Acetone 1500 100 EPA 8260D 1-27-22 1-27-22 Carbon Disulfide ND 4.0 EPA 8260D 1-27-22 1-27-22 Methylene Chloride ND 4.0 EPA 8260D 1-27-22 1-27-22 <	Laboratory ID:	01-213-07					
Vinyl Chloride ND 4.0 EPA 8260D 1-27-22 1-27-22 Bromomethane ND 20 EPA 8260D 1-27-22 1-27-22 Chloroethane ND 20 EPA 8260D 1-27-22 1-27-22 Trichlorofluoromethane ND 4.0 EPA 8260D 1-27-22 1-27-22 1,1-Dichloroethene ND 4.0 EPA 8260D 1-27-22 1-27-22 Acetone 1500 100 EPA 8260D 1-27-22 1-27-22 Iodomethane ND 200 EPA 8260D 1-27-22 1-27-22 Iodomethane ND 4.0 EPA 8260D 1-27-22 1-27-22 Iodomethane ND 4.0 EPA 8260D 1-27-22 1-27-22 Iodomethane ND 4.0 EPA 8260D 1-27-22 1-27-22 Methylene Chloride ND 4.0 EPA 8260D 1-27-22 1-27-22 Methyl-Butyl Ether ND 4.0 EPA 8260D 1-27-22 1-27-22 <t< td=""><td>Dichlorodifluoromethane</td><td>ND</td><td>4.0</td><td>EPA 8260D</td><td>1-27-22</td><td>1-27-22</td><td></td></t<>	Dichlorodifluoromethane	ND	4.0	EPA 8260D	1-27-22	1-27-22	
Bromomethane ND 20 EPA 8260D 1-27-22 1-27-22 Chloroethane ND 20 EPA 8260D 1-27-22 1-27-22 Trichlorofluoromethane ND 4.0 EPA 8260D 1-27-22 1-27-22 1,1-Dichloroethene ND 4.0 EPA 8260D 1-27-22 1-27-22 Acetone 1500 100 EPA 8260D 1-27-22 1-27-22 Acetone ND 20 EPA 8260D 1-27-22 1-27-22 Iodomethane ND 4.0 EPA 8260D 1-27-22 1-27-22 Carbon Disulfide ND 4.0 EPA 8260D 1-27-22 1-27-22 Methylene Chloride ND 4.0 EPA 8260D 1-27-22 1-27-22 (trans) 1,2-Dichloroethene ND 4.0 EPA 8260D 1-27-22 1-27-22 Methyl t-Butyl Ether ND 4.0 EPA 8260D 1-27-22 1-27-22 I,1-Dichloroethane ND 4.0 EPA 8260D 1-27-22 1-27-22 <td>Chloromethane</td> <td>ND</td> <td>20</td> <td>EPA 8260D</td> <td>1-27-22</td> <td>1-27-22</td> <td></td>	Chloromethane	ND	20	EPA 8260D	1-27-22	1-27-22	
Chloroethane ND 20 EPA 8260D 1-27-22 1-27-22 Trichlorofluoromethane ND 4.0 EPA 8260D 1-27-22 1-27-22 1,1-Dichloroethene ND 4.0 EPA 8260D 1-27-22 1-27-22 Acetone 1500 100 EPA 8260D 1-27-22 1-27-22 Iodomethane ND 20 EPA 8260D 1-27-22 1-27-22 Iodomethane ND 4.0 EPA 8260D 1-27-22 1-27-22 Carbon Disulfide ND 4.0 EPA 8260D 1-27-22 1-27-22 Methylene Chloride ND 4.0 EPA 8260D 1-27-22 1-27-22 Methyle Ether ND 4.0 EPA 8260D 1-27-22 1-27-22 Methyl Ether ND 4.0 EPA 8260D 1-27-22 1-27-22 Methyl Ether ND 4.0 EPA 8260D 1-27-22 1-27-22 Viryl Acetate ND 4.0 EPA 8260D 1-27-22 1-27-22 <t< td=""><td>Vinyl Chloride</td><td>ND</td><td>4.0</td><td>EPA 8260D</td><td>1-27-22</td><td>1-27-22</td><td></td></t<>	Vinyl Chloride	ND	4.0	EPA 8260D	1-27-22	1-27-22	
Trichlorofluoromethane ND 4.0 EPA 8260D 1-27-22 1-27-22 1,1-Dichloroethene ND 4.0 EPA 8260D 1-27-22 1-27-22 Acetone 1500 100 EPA 8260D 1-27-22 1-27-22 Iodomethane ND 200 EPA 8260D 1-27-22 1-27-22 Carbon Disulfide ND 4.0 EPA 8260D 1-27-22 1-27-22 Methylene Chloride ND 20 EPA 8260D 1-27-22 1-27-22 Methyl t-Butyl Ether ND 4.0 EPA 8260D 1-27-22 1-27-22 Methyl t-Butyl Ether ND 4.0 EPA 8260D 1-27-22 1-27-22 Methyl t-Butyl Ether ND 4.0 EPA 8260D 1-27-22 1-27-22 Methyl t-Butyl Ether ND 4.0 EPA 8260D 1-27-22 1-27-22 Methyl t-Butyl Ether ND 4.0 EPA 8260D 1-27-22 1-27-22 Vinyl Acetate ND 4.0 EPA 8260D 1-27-22 1	Bromomethane	ND	20	EPA 8260D	1-27-22	1-27-22	
1,1-Dichloroethene ND 4.0 EPA 8260D 1-27-22 1-27-22 Acetone 1500 100 EPA 8260D 1-27-22 1-27-22 Iodomethane ND 200 EPA 8260D 1-27-22 1-27-22 Carbon Disulfide ND 4.0 EPA 8260D 1-27-22 1-27-22 Methylene Chloride ND 4.0 EPA 8260D 1-27-22 1-27-22 (trans) 1,2-Dichloroethene ND 4.0 EPA 8260D 1-27-22 1-27-22 Methyl t-Butyl Ether ND 4.0 EPA 8260D 1-27-22 1-27-22 Methyl t-Butyl Ether ND 4.0 EPA 8260D 1-27-22 1-27-22 Methyl t-Butyl Ether ND 4.0 EPA 8260D 1-27-22 1-27-22 1,1-Dichloroethane ND 4.0 EPA 8260D 1-27-22 1-27-22 2,2-Dichloroethene ND 4.0 EPA 8260D 1-27-22 1-27-22 2,2-Dichloroethane ND 4.0 EPA 8260D 1-27-22	Chloroethane	ND	20	EPA 8260D	1-27-22	1-27-22	
Acetone 1500 100 EPA 8260D 1-27-22 1-27-22 lodomethane ND 200 EPA 8260D 1-27-22 1-27-22 Carbon Disulfide ND 4.0 EPA 8260D 1-27-22 1-27-22 Methylene Chloride ND 20 EPA 8260D 1-27-22 1-27-22 Methyle Ether ND 4.0 EPA 8260D 1-27-22 1-27-22 Methyl Ether ND 4.0 EPA 8260D 1-27-22 1-27-22 1,-1-Dichloroethane ND 4.0 EPA 8260D 1-27-22 1-27-22 2,2-Dichloroethane ND 4.0 EPA 8260D 1-27-22 1-27-22 2-Butanone 190 100 EPA 8260D 1-27-22 1-27-22 B	Trichlorofluoromethane	ND	4.0	EPA 8260D	1-27-22	1-27-22	
lodomethane ND 200 EPA 8260D 1-27-22 1-27-22 Carbon Disulfide ND 4.0 EPA 8260D 1-27-22 1-27-22 Methylene Chloride ND 20 EPA 8260D 1-27-22 1-27-22 Methyl t-Butyl Ether ND 4.0 EPA 8260D 1-27-22 1-27-22 Methyl t-Butyl Ether ND 4.0 EPA 8260D 1-27-22 1-27-22 Methyl t-Butyl Ether ND 4.0 EPA 8260D 1-27-22 1-27-22 Methyl t-Butyl Ether ND 4.0 EPA 8260D 1-27-22 1-27-22 Methyl t-Butyl Ether ND 4.0 EPA 8260D 1-27-22 1-27-22 Methyl t-Butyl Ether ND 4.0 EPA 8260D 1-27-22 1-27-22 Vinyl Acetate ND 4.0 EPA 8260D 1-27-22 1-27-22 2,-Dichloropropane ND 4.0 EPA 8260D 1-27-22 1-27-22 2-Butanone 190 100 EPA 8260D 1-27-22 1	1,1-Dichloroethene	ND	4.0	EPA 8260D	1-27-22	1-27-22	
Carbon Disulfide ND 4.0 EPA 8260D 1-27-22 1-27-22 Methylene Chloride ND 20 EPA 8260D 1-27-22 1-27-22 (trans) 1,2-Dichloroethene ND 4.0 EPA 8260D 1-27-22 1-27-22 Methyl t-Butyl Ether ND 4.0 EPA 8260D 1-27-22 1-27-22 1,1-Dichloroethane ND 4.0 EPA 8260D 1-27-22 1-27-22 1,1-Dichloroethane ND 4.0 EPA 8260D 1-27-22 1-27-22 1,1-Dichloroethane ND 4.0 EPA 8260D 1-27-22 1-27-22 2,2-Dichloroethene ND 4.0 EPA 8260D 1-27-22 1-27-22 2,2-Dichloroethene ND 4.0 EPA 8260D 1-27-22 1-27-22 2,2-Bitanone 190 100 EPA 8260D 1-27-22 1-27-22 2-Butanone 190 100 EPA 8260D 1-27-22 1-27-22 Bromochloromethane ND 4.0 EPA 8260D 1-27-22	Acetone	1500	100	EPA 8260D	1-27-22	1-27-22	
Methylene Chloride ND 20 EPA 8260D 1-27-22 1-27-22 (trans) 1,2-Dichloroethene ND 4.0 EPA 8260D 1-27-22 1-27-22 Methyl t-Butyl Ether ND 4.0 EPA 8260D 1-27-22 1-27-22 1,1-Dichloroethane ND 4.0 EPA 8260D 1-27-22 1-27-22 Vinyl Acetate ND 20 EPA 8260D 1-27-22 1-27-22 2,2-Dichloropropane ND 4.0 EPA 8260D 1-27-22 1-27-22 2,2-Dichloroethene ND 4.0 EPA 8260D 1-27-22 1-27-22 2,2-Dichloroethene ND 4.0 EPA 8260D 1-27-22 1-27-22 2,2-Dichloroethene ND 4.0 EPA 8260D 1-27-22 1-27-22 2,-Butanone 190 100 EPA 8260D 1-27-22 1-27-22 Bromochloromethane ND 4.0 EPA 8260D 1-27-22 1-27-22 Chloroform ND 4.0 EPA 8260D 1-27-22 1	lodomethane	ND	200	EPA 8260D	1-27-22	1-27-22	
(trans) 1,2-Dichloroethene ND 4.0 EPA 8260D 1-27-22 1-27-22 Methyl t-Butyl Ether ND 4.0 EPA 8260D 1-27-22 1-27-22 1,1-Dichloroethane ND 4.0 EPA 8260D 1-27-22 1-27-22 Vinyl Acetate ND 20 EPA 8260D 1-27-22 1-27-22 2,2-Dichloropropane ND 4.0 EPA 8260D 1-27-22 1-27-22 2,2-Dichloroethene ND 4.0 EPA 8260D 1-27-22 1-27-22 2,2-Dichloroethene ND 4.0 EPA 8260D 1-27-22 1-27-22 2,2-Dichloroethene ND 4.0 EPA 8260D 1-27-22 1-27-22 2-Butanone 190 100 EPA 8260D 1-27-22 1-27-22 2-Butanone 190 100 EPA 8260D 1-27-22 1-27-22 2-Brownechloromethane ND 4.0 EPA 8260D 1-27-22 1-27-22 Chloroform ND 4.0 EPA 8260D 1-27-22 1-27-	Carbon Disulfide	ND	4.0	EPA 8260D	1-27-22	1-27-22	
Methyl t-Butyl Ether ND 4.0 EPA 8260D 1-27-22 1-27-22 1,1-Dichloroethane ND 4.0 EPA 8260D 1-27-22 1-27-22 Vinyl Acetate ND 20 EPA 8260D 1-27-22 1-27-22 2,2-Dichloropropane ND 4.0 EPA 8260D 1-27-22 1-27-22 2,2-Dichloroethene ND 4.0 EPA 8260D 1-27-22 1-27-22 2-Butanone 190 100 EPA 8260D 1-27-22 1-27-22 2-Butanone 190 4.0 EPA 8260D 1-27-22 1-27-22 2-Butanone ND 4.0 EPA 8260D 1-27-22 1-27-22 1,1-Tichloroethane ND 4.0 EPA 8260D 1-27-22 1-27-22	Methylene Chloride	ND	20	EPA 8260D	1-27-22	1-27-22	
1,1-Dichloroethane ND 4.0 EPA 8260D 1-27-22 1-27-22 Vinyl Acetate ND 20 EPA 8260D 1-27-22 1-27-22 2,2-Dichloropropane ND 4.0 EPA 8260D 1-27-22 1-27-22 (cis) 1,2-Dichloroethene ND 4.0 EPA 8260D 1-27-22 1-27-22 2-Butanone 190 100 EPA 8260D 1-27-22 1-27-22 Bromochloromethane ND 4.0 EPA 8260D 1-27-22 1-27-22 Chloroform ND 4.0 EPA 8260D 1-27-22 1-27-22 1,1-Trichloroethane ND 4.0 EPA 8260D 1-27-22 1-27-22 1,1-Trichloroethane ND 4.0 EPA 8260D 1-27-22 1-27-22 1,1-Trichloropropene ND 4.0 EPA 8260D 1-27-22 1-27-22 1,1-Trichloropropene ND 4.0 EPA 8260D 1-27-22 1-27-22 1,2-Dichloropropene ND 4.0 EPA 8260D 1-27-22 1-27-22 1,2-Dichloropropane ND 4.0 EPA 8260D	(trans) 1,2-Dichloroethene	ND	4.0	EPA 8260D	1-27-22	1-27-22	
Vinyl Acetate ND 20 EPA 8260D 1-27-22 1-27-22 2,2-Dichloropropane ND 4.0 EPA 8260D 1-27-22 1-27-22 (cis) 1,2-Dichloroethene ND 4.0 EPA 8260D 1-27-22 1-27-22 2-Butanone 190 100 EPA 8260D 1-27-22 1-27-22 Bromochloromethane ND 4.0 EPA 8260D 1-27-22 1-27-22 Chloroform ND 4.0 EPA 8260D 1-27-22 1-27-22 Chloroform ND 4.0 EPA 8260D 1-27-22 1-27-22 1,1-Trichloroethane ND 4.0 EPA 8260D 1-27-22 1-27-22 Carbon Tetrachloride ND 4.0 EPA 8260D 1-27-22 1-27-22 1,1-Dichloropropene ND 4.0 EPA 8260D 1-27-22 1-27-22 Benzene ND 4.0 EPA 8260D 1-27-22 1-27-22 1,2-Dichloroethane ND 4.0 EPA 8260D 1-27-22 1-27-22 <td>Methyl t-Butyl Ether</td> <td>ND</td> <td>4.0</td> <td>EPA 8260D</td> <td>1-27-22</td> <td>1-27-22</td> <td></td>	Methyl t-Butyl Ether	ND	4.0	EPA 8260D	1-27-22	1-27-22	
2,2-Dichloropropane ND 4.0 EPA 8260D 1-27-22 1-27-22 (cis) 1,2-Dichloroethene ND 4.0 EPA 8260D 1-27-22 1-27-22 2-Butanone 190 100 EPA 8260D 1-27-22 1-27-22 Bromochloromethane ND 4.0 EPA 8260D 1-27-22 1-27-22 Chloroform ND 4.0 EPA 8260D 1-27-22 1-27-22 1,1,1-Trichloroethane ND 4.0 EPA 8260D 1-27-22 1-27-22 Carbon Tetrachloride ND 4.0 EPA 8260D 1-27-22 1-27-22 1,1-Dichloropropene ND 4.0 EPA 8260D 1-27-22 1-27-22 1,1-Dichloropropene ND 4.0 EPA 8260D 1-27-22 1-27-22 1,2-Dichloroethane ND 4.0 EPA 8260D 1-27-22 1-27-22 1,2-Dichloropropane ND 4.0 EPA 8260D 1-27-22 1-27-22 1,2-Dichloropropane ND 4.0 EPA 8260D 1-27-22 1-27-22 Bromodichloromethane ND 4.0 EPA 8260D	1,1-Dichloroethane	ND	4.0	EPA 8260D	1-27-22	1-27-22	
(cis) 1,2-Dichloroethene ND 4.0 EPA 8260D 1-27-22 1-27-22 2-Butanone 190 100 EPA 8260D 1-27-22 1-27-22 Bromochloromethane ND 4.0 EPA 8260D 1-27-22 1-27-22 Chloroform ND 4.0 EPA 8260D 1-27-22 1-27-22 1,1,1-Trichloroethane ND 4.0 EPA 8260D 1-27-22 1-27-22 Carbon Tetrachloride ND 4.0 EPA 8260D 1-27-22 1-27-22 1,1-Dichloropropene ND 4.0 EPA 8260D 1-27-22 1-27-22 1,1-Dichloropropene ND 4.0 EPA 8260D 1-27-22 1-27-22 1,2-Dichloroethane ND 4.0 EPA 8260D 1-27-22 1-27-22 1,2-Dichloropropane ND 4.0 EPA 8260D 1-27-22 1-27-22 1,2-Dichloropropane ND 4.0 EPA 8260D 1-27-22 1-27-22 Bromodichloromethane ND 4.0 EPA 8260D 1-27-22	Vinyl Acetate	ND	20	EPA 8260D	1-27-22	1-27-22	
2-Butanone 190 100 EPA 8260D 1-27-22 1-27-22 Bromochloromethane ND 4.0 EPA 8260D 1-27-22 1-27-22 Chloroform ND 4.0 EPA 8260D 1-27-22 1-27-22 1,1,1-Trichloroethane ND 4.0 EPA 8260D 1-27-22 1-27-22 Carbon Tetrachloride ND 4.0 EPA 8260D 1-27-22 1-27-22 1,1-Dichloropropene ND 4.0 EPA 8260D 1-27-22 1-27-22 Benzene ND 4.0 EPA 8260D 1-27-22 1-27-22 1,2-Dichloroethane ND 4.0 EPA 8260D 1-27-22 1-27-22 Trichloroethene ND 4.0 EPA 8260D 1-27-22 1-27-22 1,2-Dichloropropane ND 4.0 EPA 8260D 1-27-22 1-27-22 Dibromomethane ND 4.0 EPA 8260D 1-27-22 1-27-22 Cisi) 1,3-Dichloropropene ND 4.0 EPA 8260D 1-27-22 1-27-22 Methyl Isobutyl Ketone ND 40 EPA 8260D 1-2	2,2-Dichloropropane	ND	4.0	EPA 8260D	1-27-22	1-27-22	
Bromochloromethane ND 4.0 EPA 8260D 1-27-22 1-27-22 Chloroform ND 4.0 EPA 8260D 1-27-22 1-27-22 1,1,1-Trichloroethane ND 4.0 EPA 8260D 1-27-22 1-27-22 Carbon Tetrachloride ND 4.0 EPA 8260D 1-27-22 1-27-22 1,1-Dichloropropene ND 4.0 EPA 8260D 1-27-22 1-27-22 Benzene ND 4.0 EPA 8260D 1-27-22 1-27-22 1,2-Dichloroethane ND 4.0 EPA 8260D 1-27-22 1-27-22 Trichloroethene ND 4.0 EPA 8260D 1-27-22 1-27-22 1,2-Dichloropropane ND 4.0 EPA 8260D 1-27-22 1-27-22 Dibromomethane ND 4.0 EPA 8260D 1-27-22 1-27-22 G(is) 1,3-Dichloropropene ND 4.0 EPA 8260D 1-27-22 1-27-22 Methyl Isobutyl Ketone ND 40 EPA 8260D 1-27-22	(cis) 1,2-Dichloroethene	ND	4.0	EPA 8260D	1-27-22	1-27-22	
Chloroform ND 4.0 EPA 8260D 1-27-22 1-27-22 1,1,1-Trichloroethane ND 4.0 EPA 8260D 1-27-22 1-27-22 Carbon Tetrachloride ND 4.0 EPA 8260D 1-27-22 1-27-22 1,1-Dichloropropene ND 4.0 EPA 8260D 1-27-22 1-27-22 Benzene ND 4.0 EPA 8260D 1-27-22 1-27-22 1,2-Dichloroethane ND 4.0 EPA 8260D 1-27-22 1-27-22 1,2-Dichloropropane ND 4.0 EPA 8260D 1-27-22 1-27-22 1,2-Dichloropropane ND 4.0 EPA 8260D 1-27-22 1-27-22 1,2-Dichloropropane ND 4.0 EPA 8260D 1-27-22 1-27-22 Bromodichloromethane ND 4.0 EPA 8260D 1-27-22 1-27-22 (cis) 1,3-Dichloropropene ND 4.0 EPA 8260D 1-27-22 1-27-22 Methyl Isobutyl Ketone ND 40 EPA 8260D 1-27-22	2-Butanone	190	100	EPA 8260D	1-27-22	1-27-22	
1,1,1-Trichloroethane ND 4.0 EPA 8260D 1-27-22 1-27-22 Carbon Tetrachloride ND 4.0 EPA 8260D 1-27-22 1-27-22 1,1-Dichloropropene ND 4.0 EPA 8260D 1-27-22 1-27-22 Benzene ND 4.0 EPA 8260D 1-27-22 1-27-22 1,2-Dichloroethane ND 4.0 EPA 8260D 1-27-22 1-27-22 Trichloroethene ND 4.0 EPA 8260D 1-27-22 1-27-22 1,2-Dichloropropane ND 4.0 EPA 8260D 1-27-22 1-27-22 Dibromomethane ND 4.0 EPA 8260D 1-27-22 1-27-22 Bromodichloromethane ND 4.0 EPA 8260D 1-27-22 1-27-22 (cis) 1,3-Dichloropropene ND 4.0 EPA 8260D 1-27-22 1-27-22 Methyl Isobutyl Ketone ND 40 EPA 8260D 1-27-22 1-27-22 Toluene ND 20 EPA 8260D 1-27-22 1-27-22	Bromochloromethane	ND	4.0	EPA 8260D	1-27-22	1-27-22	
Carbon Tetrachloride ND 4.0 EPA 8260D 1-27-22 1-27-22 1,1-Dichloropropene ND 4.0 EPA 8260D 1-27-22 1-27-22 Benzene ND 4.0 EPA 8260D 1-27-22 1-27-22 1,2-Dichloroethane ND 4.0 EPA 8260D 1-27-22 1-27-22 Trichloroethene ND 4.0 EPA 8260D 1-27-22 1-27-22 1,2-Dichloropropane ND 4.0 EPA 8260D 1-27-22 1-27-22 Dibromomethane ND 4.0 EPA 8260D 1-27-22 1-27-22 Bromodichloromethane ND 4.0 EPA 8260D 1-27-22 1-27-22 (cis) 1,3-Dichloropropene ND 4.0 EPA 8260D 1-27-22 1-27-22 Methyl Isobutyl Ketone ND 40 EPA 8260D 1-27-22 1-27-22 Toluene ND 20 EPA 8260D 1-27-22 1-27-22	Chloroform	ND	4.0	EPA 8260D	1-27-22	1-27-22	
1,1-Dichloropropene ND 4.0 EPA 8260D 1-27-22 1-27-22 Benzene ND 4.0 EPA 8260D 1-27-22 1-27-22 1,2-Dichloroethane ND 4.0 EPA 8260D 1-27-22 1-27-22 Trichloroethene ND 4.0 EPA 8260D 1-27-22 1-27-22 1,2-Dichloropropane ND 4.0 EPA 8260D 1-27-22 1-27-22 Dibromomethane ND 4.0 EPA 8260D 1-27-22 1-27-22 Bromodichloromethane ND 4.0 EPA 8260D 1-27-22 1-27-22 (cis) 1,3-Dichloropropene ND 4.0 EPA 8260D 1-27-22 1-27-22 Methyl Isobutyl Ketone ND 40 EPA 8260D 1-27-22 1-27-22 Toluene ND 20 EPA 8260D 1-27-22 1-27-22	1,1,1-Trichloroethane	ND	4.0	EPA 8260D	1-27-22	1-27-22	
Benzene ND 4.0 EPA 8260D 1-27-22 1-27-22 1,2-Dichloroethane ND 4.0 EPA 8260D 1-27-22 1-27-22 Trichloroethene ND 4.0 EPA 8260D 1-27-22 1-27-22 1,2-Dichloropropane ND 4.0 EPA 8260D 1-27-22 1-27-22 Dibromomethane ND 4.0 EPA 8260D 1-27-22 1-27-22 Bromodichloromethane ND 4.0 EPA 8260D 1-27-22 1-27-22 (cis) 1,3-Dichloropropene ND 4.0 EPA 8260D 1-27-22 1-27-22 Methyl Isobutyl Ketone ND 40 EPA 8260D 1-27-22 1-27-22 Toluene ND 20 EPA 8260D 1-27-22 1-27-22	Carbon Tetrachloride	ND	4.0	EPA 8260D	1-27-22	1-27-22	
1,2-Dichloroethane ND 4.0 EPA 8260D 1-27-22 1-27-22 Trichloroethene ND 4.0 EPA 8260D 1-27-22 1-27-22 1,2-Dichloropropane ND 4.0 EPA 8260D 1-27-22 1-27-22 Dibromomethane ND 4.0 EPA 8260D 1-27-22 1-27-22 Bromodichloromethane ND 4.0 EPA 8260D 1-27-22 1-27-22 (cis) 1,3-Dichloropropene ND 4.0 EPA 8260D 1-27-22 1-27-22 Methyl Isobutyl Ketone ND 40 EPA 8260D 1-27-22 1-27-22 Toluene ND 20 EPA 8260D 1-27-22 1-27-22	1,1-Dichloropropene	ND	4.0	EPA 8260D	1-27-22	1-27-22	
Trichloroethene ND 4.0 EPA 8260D 1-27-22 1-27-22 1,2-Dichloropropane ND 4.0 EPA 8260D 1-27-22 1-27-22 Dibromomethane ND 4.0 EPA 8260D 1-27-22 1-27-22 Bromodichloromethane ND 4.0 EPA 8260D 1-27-22 1-27-22 (cis) 1,3-Dichloropropene ND 4.0 EPA 8260D 1-27-22 1-27-22 Methyl Isobutyl Ketone ND 40 EPA 8260D 1-27-22 1-27-22 Toluene ND 20 EPA 8260D 1-27-22 1-27-22	Benzene	ND	4.0	EPA 8260D	1-27-22	1-27-22	
1,2-Dichloropropane ND 4.0 EPA 8260D 1-27-22 1-27-22 Dibromomethane ND 4.0 EPA 8260D 1-27-22 1-27-22 Bromodichloromethane ND 4.0 EPA 8260D 1-27-22 1-27-22 (cis) 1,3-Dichloropropene ND 4.0 EPA 8260D 1-27-22 1-27-22 Methyl Isobutyl Ketone ND 40 EPA 8260D 1-27-22 1-27-22 Toluene ND 20 EPA 8260D 1-27-22 1-27-22	1,2-Dichloroethane	ND	4.0	EPA 8260D	1-27-22	1-27-22	
Dibromomethane ND 4.0 EPA 8260D 1-27-22 1-27-22 Bromodichloromethane ND 4.0 EPA 8260D 1-27-22 1-27-22 (cis) 1,3-Dichloropropene ND 4.0 EPA 8260D 1-27-22 1-27-22 Methyl Isobutyl Ketone ND 40 EPA 8260D 1-27-22 1-27-22 Toluene ND 20 EPA 8260D 1-27-22 1-27-22	Trichloroethene	ND	4.0	EPA 8260D	1-27-22	1-27-22	
Bromodichloromethane ND 4.0 EPA 8260D 1-27-22 1-27-22 (cis) 1,3-Dichloropropene ND 4.0 EPA 8260D 1-27-22 1-27-22 Methyl Isobutyl Ketone ND 40 EPA 8260D 1-27-22 1-27-22 Toluene ND 20 EPA 8260D 1-27-22 1-27-22	1,2-Dichloropropane	ND	4.0	EPA 8260D	1-27-22	1-27-22	
(cis) 1,3-Dichloropropene ND 4.0 EPA 8260D 1-27-22 1-27-22 Methyl Isobutyl Ketone ND 40 EPA 8260D 1-27-22 1-27-22 Toluene ND 20 EPA 8260D 1-27-22 1-27-22	Dibromomethane	ND	4.0	EPA 8260D	1-27-22	1-27-22	
Methyl Isobutyl Ketone ND 40 EPA 8260D 1-27-22 1-27-22 Toluene ND 20 EPA 8260D 1-27-22 1-27-22	Bromodichloromethane	ND	4.0	EPA 8260D	1-27-22	1-27-22	
Toluene ND 20 EPA 8260D 1-27-22 1-27-22	(cis) 1,3-Dichloropropene	ND	4.0	EPA 8260D	1-27-22	1-27-22	
	Methyl Isobutyl Ketone	ND	40	EPA 8260D	1-27-22	1-27-22	
(trans) 1.3-Dichloropropene ND 4.0 FPA 8260D 1-27-22 1-27-22	Toluene	ND	20	EPA 8260D	1-27-22	1-27-22	
(1.61.6) 1,50 Biolino opiopolio	(trans) 1,3-Dichloropropen	e ND	4.0	EPA 8260D	1-27-22	1-27-22	

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				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	_GAC-MID-1-012622					
Laboratory ID:	01-213-07					
1,1,2-Trichloroethane	ND	4.0	EPA 8260D	1-27-22	1-27-22	
Tetrachloroethene	ND	4.0	EPA 8260D	1-27-22	1-27-22	
1,3-Dichloropropane	ND	4.0	EPA 8260D	1-27-22	1-27-22	
2-Hexanone	ND	40	EPA 8260D	1-27-22	1-27-22	
Dibromochloromethane	ND	4.0	EPA 8260D	1-27-22	1-27-22	
1,2-Dibromoethane	ND	4.0	EPA 8260D	1-27-22	1-27-22	
Chlorobenzene	ND	4.0	EPA 8260D	1-27-22	1-27-22	
1,1,1,2-Tetrachloroethane	ND	4.0	EPA 8260D	1-27-22	1-27-22	
Ethylbenzene	ND	4.0	EPA 8260D	1-27-22	1-27-22	
m,p-Xylene	ND	8.0	EPA 8260D	1-27-22	1-27-22	
o-Xylene	ND	4.0	EPA 8260D	1-27-22	1-27-22	
Styrene	ND	4.0	EPA 8260D	1-27-22	1-27-22	
Bromoform	ND	20	EPA 8260D	1-27-22	1-27-22	
Isopropylbenzene	ND	4.0	EPA 8260D	1-27-22	1-27-22	
Bromobenzene	ND	4.0	EPA 8260D	1-27-22	1-27-22	
1,1,2,2-Tetrachloroethane	ND	4.0	EPA 8260D	1-27-22	1-27-22	
1,2,3-Trichloropropane	ND	4.0	EPA 8260D	1-27-22	1-27-22	
n-Propylbenzene	ND	4.0	EPA 8260D	1-27-22	1-27-22	
2-Chlorotoluene	ND	4.0	EPA 8260D	1-27-22	1-27-22	
4-Chlorotoluene	ND	4.0	EPA 8260D	1-27-22	1-27-22	
1,3,5-Trimethylbenzene	ND	4.0	EPA 8260D	1-27-22	1-27-22	
tert-Butylbenzene	ND	4.0	EPA 8260D	1-27-22	1-27-22	
1,2,4-Trimethylbenzene	ND	4.0	EPA 8260D	1-27-22	1-27-22	
sec-Butylbenzene	ND	4.0	EPA 8260D	1-27-22	1-27-22	
1,3-Dichlorobenzene	ND	4.0	EPA 8260D	1-27-22	1-27-22	
p-Isopropyltoluene	ND	4.0	EPA 8260D	1-27-22	1-27-22	
1,4-Dichlorobenzene	ND	4.0	EPA 8260D	1-27-22	1-27-22	
1,2-Dichlorobenzene	ND	4.0	EPA 8260D	1-27-22	1-27-22	
n-Butylbenzene	ND	4.0	EPA 8260D	1-27-22	1-27-22	
1,2-Dibromo-3-chloropropan		20	EPA 8260D	1-27-22	1-27-22	
1,2,4-Trichlorobenzene	ND	4.0	EPA 8260D	1-27-22	1-27-22	
Hexachlorobutadiene	ND	20	EPA 8260D	1-27-22	1-27-22	
Naphthalene	ND	20	EPA 8260D	1-27-22	1-27-22	
1,2,3-Trichlorobenzene	ND	4.0	EPA 8260D	1-27-22	1-27-22	
Surrogate:	Percent Recovery	Control Limits				
Dibromofluoromethane	100	75-127				
Toluene-d8	100	80-127				

4-Bromofluorobenzene

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Matrix: Water Units: ug/L

				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0126W1					
Dichlorodifluoromethane	ND	0.20	EPA 8260D	1-26-22	1-26-22	
Chloromethane	ND	1.0	EPA 8260D	1-26-22	1-26-22	
Vinyl Chloride	ND	0.20	EPA 8260D	1-26-22	1-26-22	
Bromomethane	ND	1.0	EPA 8260D	1-26-22	1-26-22	
Chloroethane	ND	1.0	EPA 8260D	1-26-22	1-26-22	
Trichlorofluoromethane	ND	0.20	EPA 8260D	1-26-22	1-26-22	
1,1-Dichloroethene	ND	0.20	EPA 8260D	1-26-22	1-26-22	
Acetone	ND	5.0	EPA 8260D	1-26-22	1-26-22	
lodomethane	ND	5.0	EPA 8260D	1-26-22	1-26-22	
Carbon Disulfide	ND	0.20	EPA 8260D	1-26-22	1-26-22	
Methylene Chloride	ND	1.0	EPA 8260D	1-26-22	1-26-22	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260D	1-26-22	1-26-22	
Methyl t-Butyl Ether	ND	0.20	EPA 8260D	1-26-22	1-26-22	
1,1-Dichloroethane	ND	0.20	EPA 8260D	1-26-22	1-26-22	
Vinyl Acetate	ND	1.0	EPA 8260D	1-26-22	1-26-22	
2,2-Dichloropropane	ND	0.20	EPA 8260D	1-26-22	1-26-22	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260D	1-26-22	1-26-22	
2-Butanone	ND	5.0	EPA 8260D	1-26-22	1-26-22	
Bromochloromethane	ND	0.20	EPA 8260D	1-26-22	1-26-22	
Chloroform	ND	0.20	EPA 8260D	1-26-22	1-26-22	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	1-26-22	1-26-22	
Carbon Tetrachloride	ND	0.20	EPA 8260D	1-26-22	1-26-22	
1,1-Dichloropropene	ND	0.20	EPA 8260D	1-26-22	1-26-22	
Benzene	ND	0.20	EPA 8260D	1-26-22	1-26-22	
1,2-Dichloroethane	ND	0.20	EPA 8260D	1-26-22	1-26-22	
Trichloroethene	ND	0.20	EPA 8260D	1-26-22	1-26-22	
1,2-Dichloropropane	ND	0.20	EPA 8260D	1-26-22	1-26-22	
Dibromomethane	ND	0.20	EPA 8260D	1-26-22	1-26-22	
Bromodichloromethane	ND	0.20	EPA 8260D	1-26-22	1-26-22	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	1-26-22	1-26-22	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260D	1-26-22	1-26-22	
Toluene	ND	1.0	EPA 8260D	1-26-22	1-26-22	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	1-26-22	1-26-22	

Project: 060172

VOLATILE ORGANICS EPA 8260D QUALITY CONTROL

page 2 of 2

Analysta	Populé	PQL	Mathad	Date	Date	Elege
Analyte METHOD BLANK	Result	PQL	Method	Prepared	Analyzed	Flags
	MD0406\M4					
Laboratory ID:	MB0126W1	0.00	EDA 0200D	4.00.00	4.00.00	
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	1-26-22	1-26-22	
Tetrachloroethene	ND	0.20	EPA 8260D	1-26-22	1-26-22	
1,3-Dichloropropane	ND	0.20	EPA 8260D	1-26-22	1-26-22	
2-Hexanone	ND	2.0	EPA 8260D	1-26-22	1-26-22	
Dibromochloromethane	ND	0.20	EPA 8260D	1-26-22	1-26-22	
1,2-Dibromoethane	ND	0.20	EPA 8260D	1-26-22	1-26-22	
Chlorobenzene	ND	0.20	EPA 8260D	1-26-22	1-26-22	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	1-26-22	1-26-22	
Ethylbenzene	ND	0.20	EPA 8260D	1-26-22	1-26-22	
m,p-Xylene	ND	0.40	EPA 8260D	1-26-22	1-26-22	
o-Xylene	ND	0.20	EPA 8260D	1-26-22	1-26-22	
Styrene	ND	0.20	EPA 8260D	1-26-22	1-26-22	
Bromoform	ND	1.0	EPA 8260D	1-26-22	1-26-22	
Isopropylbenzene	ND	0.20	EPA 8260D	1-26-22	1-26-22	
Bromobenzene	ND	0.20	EPA 8260D	1-26-22	1-26-22	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	1-26-22	1-26-22	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	1-26-22	1-26-22	
n-Propylbenzene	ND	0.20	EPA 8260D	1-26-22	1-26-22	
2-Chlorotoluene	ND	0.20	EPA 8260D	1-26-22	1-26-22	
4-Chlorotoluene	ND	0.20	EPA 8260D	1-26-22	1-26-22	
1,3,5-Trimethylbenzene	ND	0.20	EPA 8260D	1-26-22	1-26-22	
tert-Butylbenzene	ND	0.20	EPA 8260D	1-26-22	1-26-22	
1,2,4-Trimethylbenzene	ND	0.20	EPA 8260D	1-26-22	1-26-22	
sec-Butylbenzene	ND	0.20	EPA 8260D	1-26-22	1-26-22	
1,3-Dichlorobenzene	ND	0.20	EPA 8260D	1-26-22	1-26-22	
p-Isopropyltoluene	ND	0.20	EPA 8260D	1-26-22	1-26-22	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	1-26-22	1-26-22	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	1-26-22	1-26-22	
n-Butylbenzene	ND	0.20	EPA 8260D	1-26-22	1-26-22	
1,2-Dibromo-3-chloropropane		1.0	EPA 8260D	1-26-22	1-26-22	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260D	1-26-22	1-26-22	
Hexachlorobutadiene	ND	1.0	EPA 8260D	1-26-22	1-26-22	
Naphthalene	ND	1.0	EPA 8260D	1-26-22	1-26-22	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260D	1-26-22	1-26-22	
Surrogate:	Percent Recovery			- · ·	-	

Surrogate: Percent Recovery Control Limit
Dibromofluoromethane 111 75-127
Toluene-d8 101 80-127
4-Bromofluorobenzene 96 78-125



Project: 060172

VOLATILE ORGANICS EPA 8260D QUALITY CONTROL

page 1 of 2

Matrix: Water Units: ug/L

Offics. ug/L				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0127W1					
Dichlorodifluoromethane	ND	0.20	EPA 8260D	1-27-22	1-27-22	
Chloromethane	ND	1.0	EPA 8260D	1-27-22	1-27-22	
Vinyl Chloride	ND	0.20	EPA 8260D	1-27-22	1-27-22	
Bromomethane	ND	1.0	EPA 8260D	1-27-22	1-27-22	
Chloroethane	ND	1.0	EPA 8260D	1-27-22	1-27-22	
Trichlorofluoromethane	ND	0.20	EPA 8260D	1-27-22	1-27-22	
1,1-Dichloroethene	ND	0.20	EPA 8260D	1-27-22	1-27-22	
Acetone	ND	5.0	EPA 8260D	1-27-22	1-27-22	
lodomethane	ND	9.9	EPA 8260D	1-27-22	1-27-22	
Carbon Disulfide	ND	0.20	EPA 8260D	1-27-22	1-27-22	
Methylene Chloride	ND	1.0	EPA 8260D	1-27-22	1-27-22	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260D	1-27-22	1-27-22	
Methyl t-Butyl Ether	ND	0.20	EPA 8260D	1-27-22	1-27-22	
1,1-Dichloroethane	ND	0.20	EPA 8260D	1-27-22	1-27-22	
Vinyl Acetate	ND	1.0	EPA 8260D	1-27-22	1-27-22	
2,2-Dichloropropane	ND	0.20	EPA 8260D	1-27-22	1-27-22	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260D	1-27-22	1-27-22	
2-Butanone	ND	5.0	EPA 8260D	1-27-22	1-27-22	
Bromochloromethane	ND	0.20	EPA 8260D	1-27-22	1-27-22	
Chloroform	ND	0.20	EPA 8260D	1-27-22	1-27-22	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	1-27-22	1-27-22	
Carbon Tetrachloride	ND	0.20	EPA 8260D	1-27-22	1-27-22	
1,1-Dichloropropene	ND	0.20	EPA 8260D	1-27-22	1-27-22	
Benzene	ND	0.20	EPA 8260D	1-27-22	1-27-22	
1,2-Dichloroethane	ND	0.20	EPA 8260D	1-27-22	1-27-22	
Trichloroethene	ND	0.20	EPA 8260D	1-27-22	1-27-22	
1,2-Dichloropropane	ND	0.20	EPA 8260D	1-27-22	1-27-22	
Dibromomethane	ND	0.20	EPA 8260D	1-27-22	1-27-22	
Bromodichloromethane	ND	0.20	EPA 8260D	1-27-22	1-27-22	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	1-27-22	1-27-22	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260D	1-27-22	1-27-22	
Toluene	ND	1.0	EPA 8260D	1-27-22	1-27-22	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	1-27-22	1-27-22	

Project: 060172

VOLATILE ORGANICS EPA 8260D QUALITY CONTROL

page 2 of 2

				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0127W1					
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	1-27-22	1-27-22	
Tetrachloroethene	ND	0.20	EPA 8260D	1-27-22	1-27-22	
1,3-Dichloropropane	ND	0.20	EPA 8260D	1-27-22	1-27-22	
2-Hexanone	ND	2.0	EPA 8260D	1-27-22	1-27-22	
Dibromochloromethane	ND	0.20	EPA 8260D	1-27-22	1-27-22	
1,2-Dibromoethane	ND	0.20	EPA 8260D	1-27-22	1-27-22	
Chlorobenzene	ND	0.20	EPA 8260D	1-27-22	1-27-22	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	1-27-22	1-27-22	
Ethylbenzene	ND	0.20	EPA 8260D	1-27-22	1-27-22	
m,p-Xylene	ND	0.40	EPA 8260D	1-27-22	1-27-22	
o-Xylene	ND	0.20	EPA 8260D	1-27-22	1-27-22	
Styrene	ND	0.20	EPA 8260D	1-27-22	1-27-22	
Bromoform	ND	1.0	EPA 8260D	1-27-22	1-27-22	
Isopropylbenzene	ND	0.20	EPA 8260D	1-27-22	1-27-22	
Bromobenzene	ND	0.20	EPA 8260D	1-27-22	1-27-22	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	1-27-22	1-27-22	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	1-27-22	1-27-22	
n-Propylbenzene	ND	0.20	EPA 8260D	1-27-22	1-27-22	
2-Chlorotoluene	ND	0.20	EPA 8260D	1-27-22	1-27-22	
4-Chlorotoluene	ND	0.20	EPA 8260D	1-27-22	1-27-22	
1,3,5-Trimethylbenzene	ND	0.20	EPA 8260D	1-27-22	1-27-22	
tert-Butylbenzene	ND	0.20	EPA 8260D	1-27-22	1-27-22	
1,2,4-Trimethylbenzene	ND	0.20	EPA 8260D	1-27-22	1-27-22	
sec-Butylbenzene	ND	0.20	EPA 8260D	1-27-22	1-27-22	
1,3-Dichlorobenzene	ND	0.20	EPA 8260D	1-27-22	1-27-22	
p-Isopropyltoluene	ND	0.20	EPA 8260D	1-27-22	1-27-22	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	1-27-22	1-27-22	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	1-27-22	1-27-22	
n-Butylbenzene	ND	0.20	EPA 8260D	1-27-22	1-27-22	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260D	1-27-22	1-27-22	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260D	1-27-22	1-27-22	
Hexachlorobutadiene	ND	1.0	EPA 8260D	1-27-22	1-27-22	
Naphthalene	ND	1.0	EPA 8260D	1-27-22	1-27-22	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260D	1-27-22	1-27-22	
Surrogate:	Percent Recovery	Control Limits	'			
Dibromoflyoromothens	100	75 107				

Surrogate: Percent Recovery Control Limits
Dibromofluoromethane 100 75-127
Toluene-d8 98 80-127
4-Bromofluorobenzene 95 78-125

Project: 060172

VOLATILE ORGANICS EPA 8260D QUALITY CONTROL

Matrix: Water Units: ug/L

					Per	cent	Recovery		RPD	
Analyte	Res	sult	Spike	Level	Reco	overy	Limits	RPD	Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB012	26W1								
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	11.5	11.7	10.0	10.0	115	117	78-125	2	19	
Benzene	11.6	11.8	10.0	10.0	116	118	80-119	2	16	
Trichloroethene	11.0	11.2	10.0	10.0	110	112	80-121	2	18	
Toluene	10.7	10.9	10.0	10.0	107	109	80-117	2	18	
Chlorobenzene	10.6	10.9	10.0	10.0	106	109	80-117	3	17	
Surrogate:										
Dibromofluoromethane					109	109	75-127			
Toluene-d8					102	101	80-127			
4-Bromofluorobenzene					99	98	78-125			
Laboratory ID:	SB01:	27W1								
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	10.7	10.4	10.0	10.0	107	104	78-125	3	19	
Benzene	10.7	10.6	10.0	10.0	107	106	80-119	1	16	
Trichloroethene	10.9	10.8	10.0	10.0	109	108	80-121	1	18	
Toluene	10.6	10.7	10.0	10.0	106	107	80-117	1	18	
Chlorobenzene	10.6	10.8	10.0	10.0	106	108	80-117	2	17	
Surrogate:										
Dibromofluoromethane					100	97	75-127			
Toluene-d8					100	98	80-127			
4-Bromofluorobenzene					98	95	78-125			

Project: 060172

SILICA GEL TREATED HEXANE EXTRACTABLE MATERIAL EPA 1664A

Matrix: Water
Units: mg/L (ppm)

				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	LGAC-EFF-1,2,3-012622 Comp.					
Laboratory ID:	01-213-01,02,03 Comp.					
Non Polar HEM	ND	6.5	EPA 1664A	2-2-22	2-2-22	
Client ID:	LGAC-INF-1,2,3-012622 Comp.					
Laboratory ID:	01-213-04,05,06 Comp.					
Non Polar HEM	ND	7.2	EPA 1664A	2-2-22	2-2-22	
Client ID:	LGAC-MID-1,2,3-012622 Comp.					
Laboratory ID:	01-213-07,08,09 Comp.					
Non Polar HEM	ND	7.5	EPA 1664A	2-2-22	2-2-22	

Project: 060172

SILICA GEL TREATED HEXANE EXTRACTABLE MATERIAL EPA 1664A QUALITY CONTROL

Matrix: Water
Units: mg/L (ppm)

				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0202W1					
Non Polar HEM	ND	5.0	EPA 1664A	2-2-22	2-2-22	

Analyte	Re	sult	Spike	Level		rcent covery	Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB02	.02W1								
	SB	SBD	SB	SBD	SB	SBD				
Non Polar HEM	18.7	18.5	20.0	20.0	94	93	66-105	1	19	



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.
- 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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Chromatograms with final report Electronic Data Deliverables (EDDs)		Reviewed/Date	Reviewed/Date
Data Package: Standard ☐ Level III ☐ Level IV ☐			Received
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	1126/22 145	200	Received
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Comments/Special Instructions	Date Time	Company	Signature
			9 LGAC-MID-3-012622
		1805 2	8 L64C- MID- 2-012622
	×	1300	7 LGAC-MID-7-012622
		1255 2	6 LLOAC- INF- 3-012622
×		1250 2	S LGAC- INF- 2-012(02)
	×	1245 6	4 LGAC-INF-1-012622
		12555 2	3 LOAC-EFF- 3-012622
		1 1250 1 2	2 LGAC-EFF- 2-012622
	×	1/26/22-1245 watch6	1 LGAC-EFF-1-012622
(with lot PAHs & PCBs and Organo Chlorin Total R Total M TCLP M HEM (co.)	NWTP NWTP Volatile Haloge	Date Time Sampled Matrix	Lab ID Sample Identification
8082A ochlorir ophosp nated A CCRA M ITCA M Wetals oil and g	H-Dx (es 8260 enated	(other)	Sampled by: MMP
el PAHs SIM (Io	Acid OD Volatile	ontain	JEVENTY POSTES
) w-level) icides 80 Pesticides	/ SG Cli s 8260D ers Only)	Standard (7 Days)	Spic n' Span
es 8270		2 Days 3 Days	060172
)	Same Day 1 Day	ASSECT WOSAITING
		(Check One)	Company:
01-213	Laboratory Number:	Turnaround Request (in working days)	Analytical Laboratory Testing Services 14648 NE 95th Street • Redmond, WA 98052



February 18, 2022

Jeremy Porter Aspect Consulting Dexter Horton Building 710 2nd Avenue, Suite 550 Seattle, WA 98104

Re: Analytical Data for Project 060172

Laboratory Reference No. 2202-220

Dear Jeremy:

Enclosed are the analytical results and associated quality control data for samples submitted on February 17, 2022.

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,

David Baumeister Project Manager

Enclosures



Project: 060172

Case Narrative

Samples were collected on February 17, 2022 and received by the laboratory on February 17, 2022. 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.

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.

VOLATILE ORGANICS EPA 8260D

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Matrix: Carbon Units: mg/kg

				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	LGAC-01-021722					
Laboratory ID:	02-220-01					
Dichlorodifluoromethane	ND	0.068	EPA 8260D	2-17-22	2-17-22	
Chloromethane	ND	0.34	EPA 8260D	2-17-22	2-17-22	
Vinyl Chloride	ND	0.068	EPA 8260D	2-17-22	2-17-22	
Bromomethane	ND	0.34	EPA 8260D	2-17-22	2-17-22	
Chloroethane	ND	0.34	EPA 8260D	2-17-22	2-17-22	
Trichlorofluoromethane	ND	0.068	EPA 8260D	2-17-22	2-17-22	
1,1-Dichloroethene	ND	0.068	EPA 8260D	2-17-22	2-17-22	
Acetone	12	0.68	EPA 8260D	2-17-22	2-17-22	
lodomethane	ND	0.34	EPA 8260D	2-17-22	2-17-22	
Carbon Disulfide	ND	0.068	EPA 8260D	2-17-22	2-17-22	
Methylene Chloride	ND	0.34	EPA 8260D	2-17-22	2-17-22	
(trans) 1,2-Dichloroethene	ND	0.068	EPA 8260D	2-17-22	2-17-22	
Methyl t-Butyl Ether	ND	0.068	EPA 8260D	2-17-22	2-17-22	
1,1-Dichloroethane	ND	0.068	EPA 8260D	2-17-22	2-17-22	
Vinyl Acetate	ND	0.34	EPA 8260D	2-17-22	2-17-22	
2,2-Dichloropropane	ND	0.068	EPA 8260D	2-17-22	2-17-22	
(cis) 1,2-Dichloroethene	0.14	0.068	EPA 8260D	2-17-22	2-17-22	
2-Butanone	11	0.34	EPA 8260D	2-17-22	2-17-22	
Bromochloromethane	ND	0.068	EPA 8260D	2-17-22	2-17-22	
Chloroform	ND	0.068	EPA 8260D	2-17-22	2-17-22	
1,1,1-Trichloroethane	ND	0.068	EPA 8260D	2-17-22	2-17-22	
Carbon Tetrachloride	ND	0.068	EPA 8260D	2-17-22	2-17-22	
1,1-Dichloropropene	ND	0.068	EPA 8260D	2-17-22	2-17-22	
Benzene	0.13	0.068	EPA 8260D	2-17-22	2-17-22	
1,2-Dichloroethane	0.12	0.068	EPA 8260D	2-17-22	2-17-22	
Trichloroethene	ND	0.068	EPA 8260D	2-17-22	2-17-22	
1,2-Dichloropropane	ND	0.068	EPA 8260D	2-17-22	2-17-22	
Dibromomethane	ND	0.068	EPA 8260D	2-17-22	2-17-22	
Bromodichloromethane	ND	0.068	EPA 8260D	2-17-22	2-17-22	
2-Chloroethyl Vinyl Ether	ND	0.88	EPA 8260D	2-17-22	2-17-22	
(cis) 1,3-Dichloropropene	ND	0.068	EPA 8260D	2-17-22	2-17-22	
Methyl Isobutyl Ketone	0.92	0.34	EPA 8260D	2-17-22	2-17-22	
Toluene	ND	0.34	EPA 8260D	2-17-22	2-17-22	
(trans) 1,3-Dichloropropene	e ND	0.068	EPA 8260D	2-17-22	2-17-22	

VOLATILE ORGANICS EPA 8260D

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				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	LGAC-01-021722					
Laboratory ID:	02-220-01					
1,1,2-Trichloroethane	ND	0.068	EPA 8260D	2-17-22	2-17-22	
Tetrachloroethene	ND	0.068	EPA 8260D	2-17-22	2-17-22	
1,3-Dichloropropane	ND	0.068	EPA 8260D	2-17-22	2-17-22	
2-Hexanone	0.48	0.34	EPA 8260D	2-17-22	2-17-22	
Dibromochloromethane	ND	0.068	EPA 8260D	2-17-22	2-17-22	
1,2-Dibromoethane	ND	0.068	EPA 8260D	2-17-22	2-17-22	
Chlorobenzene	ND	0.068	EPA 8260D	2-17-22	2-17-22	
1,1,1,2-Tetrachloroethane	ND	0.068	EPA 8260D	2-17-22	2-17-22	
Ethylbenzene	ND	0.068	EPA 8260D	2-17-22	2-17-22	
m,p-Xylene	ND	0.14	EPA 8260D	2-17-22	2-17-22	
o-Xylene	ND	0.068	EPA 8260D	2-17-22	2-17-22	
Styrene	ND	0.068	EPA 8260D	2-17-22	2-17-22	
Bromoform	ND	0.34	EPA 8260D	2-17-22	2-17-22	
Isopropylbenzene	ND	0.068	EPA 8260D	2-17-22	2-17-22	
Bromobenzene	ND	0.068	EPA 8260D	2-17-22	2-17-22	
1,1,2,2-Tetrachloroethane	ND	0.068	EPA 8260D	2-17-22	2-17-22	
1,2,3-Trichloropropane	ND	0.068	EPA 8260D	2-17-22	2-17-22	
n-Propylbenzene	ND	0.068	EPA 8260D	2-17-22	2-17-22	
2-Chlorotoluene	ND	0.068	EPA 8260D	2-17-22	2-17-22	
4-Chlorotoluene	ND	0.068	EPA 8260D	2-17-22	2-17-22	
1,3,5-Trimethylbenzene	ND	0.068	EPA 8260D	2-17-22	2-17-22	
tert-Butylbenzene	ND	0.068	EPA 8260D	2-17-22	2-17-22	
1,2,4-Trimethylbenzene	ND	0.068	EPA 8260D	2-17-22	2-17-22	
sec-Butylbenzene	ND	0.068	EPA 8260D	2-17-22	2-17-22	
1,3-Dichlorobenzene	ND	0.068	EPA 8260D	2-17-22	2-17-22	
p-Isopropyltoluene	ND	0.068	EPA 8260D	2-17-22	2-17-22	
1,4-Dichlorobenzene	ND	0.068	EPA 8260D	2-17-22	2-17-22	
1,2-Dichlorobenzene	ND	0.068	EPA 8260D	2-17-22	2-17-22	
n-Butylbenzene	ND	0.068	EPA 8260D	2-17-22	2-17-22	
1,2-Dibromo-3-chloropropane	e ND	0.43	EPA 8260D	2-17-22	2-17-22	
1,2,4-Trichlorobenzene	ND	0.068	EPA 8260D	2-17-22	2-17-22	
Hexachlorobutadiene	ND	0.34	EPA 8260D	2-17-22	2-17-22	
Naphthalene	0.40	0.34	EPA 8260D	2-17-22	2-17-22	
1,2,3-Trichlorobenzene	ND	0.068	EPA 8260D	2-17-22	2-17-22	
Surrogate:	Percent Recovery	Control Limits				
Dibromofluoromethane	98	74-131				
Toluene-d8	105	78-128				

Toluene-d8 105 78-128 4-Bromofluorobenzene 115 71-130

VOLATILE ORGANICS EPA 8260D QUALITY CONTROL

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Matrix: Solid Units: mg/kg

Offits. Hig/kg				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0217S1					
Dichlorodifluoromethane	ND	0.0010	EPA 8260D	2-17-22	2-17-22	
Chloromethane	ND	0.0050	EPA 8260D	2-17-22	2-17-22	
Vinyl Chloride	ND	0.0010	EPA 8260D	2-17-22	2-17-22	
Bromomethane	ND	0.0050	EPA 8260D	2-17-22	2-17-22	
Chloroethane	ND	0.0050	EPA 8260D	2-17-22	2-17-22	
Trichlorofluoromethane	ND	0.0010	EPA 8260D	2-17-22	2-17-22	
1,1-Dichloroethene	ND	0.0010	EPA 8260D	2-17-22	2-17-22	
Acetone	ND	0.010	EPA 8260D	2-17-22	2-17-22	
lodomethane	ND	0.0050	EPA 8260D	2-17-22	2-17-22	
Carbon Disulfide	ND	0.0010	EPA 8260D	2-17-22	2-17-22	
Methylene Chloride	ND	0.0050	EPA 8260D	2-17-22	2-17-22	
(trans) 1,2-Dichloroethene	ND	0.0010	EPA 8260D	2-17-22	2-17-22	
Methyl t-Butyl Ether	ND	0.0010	EPA 8260D	2-17-22	2-17-22	
1,1-Dichloroethane	ND	0.0010	EPA 8260D	2-17-22	2-17-22	
Vinyl Acetate	ND	0.0050	EPA 8260D	2-17-22	2-17-22	
2,2-Dichloropropane	ND	0.0010	EPA 8260D	2-17-22	2-17-22	
(cis) 1,2-Dichloroethene	ND	0.0010	EPA 8260D	2-17-22	2-17-22	
2-Butanone	ND	0.0050	EPA 8260D	2-17-22	2-17-22	
Bromochloromethane	ND	0.0010	EPA 8260D	2-17-22	2-17-22	
Chloroform	ND	0.0010	EPA 8260D	2-17-22	2-17-22	
1,1,1-Trichloroethane	ND	0.0010	EPA 8260D	2-17-22	2-17-22	
Carbon Tetrachloride	ND	0.0010	EPA 8260D	2-17-22	2-17-22	
1,1-Dichloropropene	ND	0.0010	EPA 8260D	2-17-22	2-17-22	
Benzene	ND	0.0010	EPA 8260D	2-17-22	2-17-22	
1,2-Dichloroethane	ND	0.0010	EPA 8260D	2-17-22	2-17-22	
Trichloroethene	ND	0.0010	EPA 8260D	2-17-22	2-17-22	
1,2-Dichloropropane	ND	0.0010	EPA 8260D	2-17-22	2-17-22	
Dibromomethane	ND	0.0010	EPA 8260D	2-17-22	2-17-22	
Bromodichloromethane	ND	0.0010	EPA 8260D	2-17-22	2-17-22	
2-Chloroethyl Vinyl Ether	ND	0.013	EPA 8260D	2-17-22	2-17-22	
(cis) 1,3-Dichloropropene	ND	0.0010	EPA 8260D	2-17-22	2-17-22	
Methyl Isobutyl Ketone	ND	0.0050	EPA 8260D	2-17-22	2-17-22	
Toluene	ND	0.0050	EPA 8260D	2-17-22	2-17-22	
(trans) 1,3-Dichloropropene	ND	0.0010	EPA 8260D	2-17-22	2-17-22	

Project: 060172

VOLATILE ORGANICS EPA 8260D QUALITY CONTROL

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METHOD BLANK Laboratory ID: MB0217S1					Date	Date	
Laboratory ID: MB021781 ND 0.0010 EPA 8260D 2-17-22 2-17-22 2-17-22 1-17-25	Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
1,1,2-Trichloroethane	METHOD BLANK						
Tetrachloroethene	Laboratory ID:	MB0217S1					
1,3-Dichloropropane ND 0.0010 EPA 8260D 2-17-22 2-17-22 2-17-22 10-17-20 2-17-22 2-17-	1,1,2-Trichloroethane	ND	0.0010	EPA 8260D	2-17-22	2-17-22	
2-Hexanone	Tetrachloroethene	ND	0.0010	EPA 8260D	2-17-22	2-17-22	
Dibromochloromethane	1,3-Dichloropropane	ND	0.0010	EPA 8260D	2-17-22	2-17-22	
1,2-Dibromoethane ND 0.0010 EPA 8260D 2-17-22 2-17-22 Chlorobenzene ND 0.0010 EPA 8260D 2-17-22 2-17-22 L1,1,1,2-Tetrachloroethane ND 0.0010 EPA 8260D 2-17-22 2-17-22 Ethylbenzene ND 0.0010 EPA 8260D 2-17-22 2-17-22 Ethylbenzene ND 0.0010 EPA 8260D 2-17-22 2-17-22 o-Xylene ND 0.0010 EPA 8260D 2-17-22 2-17-22 Styrene ND 0.0010 EPA 8260D 2-17-22 2-17-22 Bromoform ND 0.0010 EPA 8260D 2-17-22 2-17-22 Isopropylbenzene ND 0.0010 EPA 8260D 2-17-22 2-17-22 Bromobenzene ND 0.0010 EPA 8260D 2-17-22 2-17-22 Isopropylbenzene ND 0.0010 EPA 8260D 2-17-22 2-17-22 1,2,3-Trichloropenzene ND 0.0010 EPA 8260D 2-17-22 2	2-Hexanone	ND	0.0050	EPA 8260D	2-17-22	2-17-22	
Chlorobenzene	Dibromochloromethane	ND	0.0010	EPA 8260D	2-17-22	2-17-22	
1,1,1,2-Tetrachloroethane	1,2-Dibromoethane	ND	0.0010	EPA 8260D	2-17-22	2-17-22	
Ethylbenzene ND 0.0010 EPA 8260D 2-17-22 2-17-22 m,p-Xylene ND 0.0020 EPA 8260D 2-17-22 2-17-22 o-Xylene ND 0.0010 EPA 8260D 2-17-22 2-17-22 Styrene ND 0.0010 EPA 8260D 2-17-22 2-17-22 Bromoform ND 0.0055 EPA 8260D 2-17-22 2-17-22 Bromobenzene ND 0.0010 EPA 8260D 2-17-22 2-17-22 In-Propylbenzene ND 0.0010 EPA 8260D 2-17-22 2-17-22 2-Chlorotoluene ND 0.0010 EPA 8260D 2-17-22 2-17-22	Chlorobenzene	ND	0.0010	EPA 8260D	2-17-22	2-17-22	
mp-Xylene ND 0.0020 EPA 8260D 2-17-22 2-17-22 o-Xylene ND 0.0010 EPA 8260D 2-17-22 2-17-22 Styrene ND 0.0010 EPA 8260D 2-17-22 2-17-22 Bromoform ND 0.0050 EPA 8260D 2-17-22 2-17-22 Isopropylbenzene ND 0.0010 EPA 8260D 2-17-22 2-17-22 Bromobenzene ND 0.0010 EPA 8260D 2-17-22 2-17-22 Bromobenzene ND 0.0010 EPA 8260D 2-17-22 2-17-22 Bromobenzene ND 0.0010 EPA 8260D 2-17-22 2-17-22 1,1,2,2-Tertachloroethane ND 0.0010 EPA 8260D 2-17-22 2-17-22 1,1,2,3-Trichloropropane ND 0.0010 EPA 8260D 2-17-22 2-17-22 1-Propylbenzene ND 0.0010 EPA 8260D 2-17-22 2-17-22 2-Chlorotoluene ND 0.0010 EPA 8260D 2-17-22 2-17-22	1,1,1,2-Tetrachloroethane	ND	0.0010	EPA 8260D	2-17-22	2-17-22	
o-Xylene ND 0.0010 EPA 8260D 2-17-22 2-17-22 Styrene ND 0.0010 EPA 8260D 2-17-22 2-17-22 Bromoform ND 0.0050 EPA 8260D 2-17-22 2-17-22 Isopropylbenzene ND 0.0010 EPA 8260D 2-17-22 2-17-22 Bromobenzene ND 0.0010 EPA 8260D 2-17-22 2-17-22 Bromobenzene ND 0.0010 EPA 8260D 2-17-22 2-17-22 1,1,2,2-Tetrachloroethane ND 0.0010 EPA 8260D 2-17-22 2-17-22 1,2,3-Trichloropropane ND 0.0010 EPA 8260D 2-17-22 2-17-22 1,2,3-Trichloropropane ND 0.0010 EPA 8260D 2-17-22 2-17-22 2-Chlorotoluene ND 0.0010 EPA 8260D 2-17-22 2-17-22 4-Chlorotoluene ND 0.0010 EPA 8260D 2-17-22 2-17-22 1,3-5-Trimethylbenzene ND 0.0010 EPA 8260D 2-17-22 <td>Ethylbenzene</td> <td>ND</td> <td>0.0010</td> <td>EPA 8260D</td> <td>2-17-22</td> <td>2-17-22</td> <td></td>	Ethylbenzene	ND	0.0010	EPA 8260D	2-17-22	2-17-22	
Styrene ND 0.0010 EPA 8260D 2-17-22	m,p-Xylene	ND	0.0020	EPA 8260D	2-17-22	2-17-22	
Bromoform ND 0.0050 EPA 8260D 2-17-22 2-17-2	o-Xylene	ND	0.0010	EPA 8260D	2-17-22	2-17-22	
Stopropylbenzene ND	Styrene	ND	0.0010	EPA 8260D	2-17-22	2-17-22	
Bromobenzene ND 0.0010 EPA 8260D 2-17-22 2-17-22 1,1,2,2-Tetrachloroethane ND 0.0010 EPA 8260D 2-17-22 2-17-22 2-17-22 1,2,3-Trichloropropane ND 0.0010 EPA 8260D 2-17-22	Bromoform	ND	0.0050	EPA 8260D	2-17-22	2-17-22	
1,1,2,2-Tetrachloroethane ND 0.0010 EPA 8260D 2-17-22 2-17-22 1,2,3-Trichloropropane ND 0.0010 EPA 8260D 2-17-22 2-17-22 n-Propylbenzene ND 0.0010 EPA 8260D 2-17-22 2-17-22 2-Chlorotoluene ND 0.0010 EPA 8260D 2-17-22 2-17-22 4-Chlorotoluene ND 0.0010 EPA 8260D 2-17-22 2-17-22 1,3,5-Trimethylbenzene ND 0.0010 EPA 8260D 2-17-22 2-17-22 1,2,4-Trimethylbenzene ND 0.0010 EPA 8260D 2-17-22 2-17-22 1,3-Dichlorobenzene ND 0.0010 EPA 8260D 2-17-22 2-17-22 1,3-Dichlorobenzene ND 0.0010 EPA 8260D 2-17-22 2-17-22 1,4-Dichlorobenzene ND	Isopropylbenzene	ND	0.0010	EPA 8260D	2-17-22	2-17-22	
1,2,3-Trichloropropane	Bromobenzene	ND	0.0010	EPA 8260D	2-17-22	2-17-22	
N-Propylbenzene	1,1,2,2-Tetrachloroethane	ND	0.0010	EPA 8260D	2-17-22	2-17-22	
2-Chlorotoluene ND 0.0010 EPA 8260D 2-17-22 2-17-22 4-Chlorotoluene ND 0.0010 EPA 8260D 2-17-22 2-17-22 1,3,5-Trimethylbenzene ND 0.0010 EPA 8260D 2-17-22 2-17-22 1,3,5-Trimethylbenzene ND 0.0010 EPA 8260D 2-17-22 2-17-22 1,2,4-Trimethylbenzene ND 0.0010 EPA 8260D 2-17-22 2-17-22 1,2,4-Trimethylbenzene ND 0.0010 EPA 8260D 2-17-22 2-17-22 1,3-Dichlorobenzene ND 0.0010 EPA 8260D 2-17-22 2-17-22 1,3-Dichlorobenzene ND 0.0010 EPA 8260D 2-17-22 2-17-22 1,3-Dichlorobenzene ND 0.0010 EPA 8260D 2-17-22 2-17-22 1,4-Dichlorobenzene ND 0.0010 EPA 8260D 2-17-22 2-17-22 1,2-Dichlorobenzene ND 0.0010 EPA 8260D 2-17-22 2-17-22 1,2-Dichlorobenzene ND 0.0010 EPA 8260D 2-17-22 2-17-22 1,2-Dichlorobenzene ND 0.0010 EPA 8260D 2-17-22 2-17-22 1,2-Dibromo-3-chloropropane ND 0.0010 EPA 8260D 2-17-22 2-17-22 1,2-Dibromo-3-chloropropane ND 0.0064 EPA 8260D 2-17-22 2-17-22 1,2-Dibromo-3-chloropropane ND 0.0010 EPA 8260D 2-17-22 2-17-22 1,2-Dibromo-3-chlorobenzene ND 0.0010 EPA 8260D 2-17-22 2-17-22 1,2-Dibromo-3-chlorobenzene ND 0.0010 EPA 8260D 2-17-22 2-17-22 1,2-Dibromo-3-chlorobenzene ND 0.0050 EPA 8260D 2-17-22 2-17-22 1,2-T-22 1,2	1,2,3-Trichloropropane	ND	0.0010	EPA 8260D	2-17-22	2-17-22	
4-Chlorotoluene ND 0.0010 EPA 8260D 2-17-22 2-17-22 tert-Butylbenzene ND 0.0010 EPA 8260D 2-17-22 2-17-22 tert-Butylbenzene ND 0.0010 EPA 8260D 2-17-22 2-17-22 tert-Butylbenzene ND 0.0010 EPA 8260D 2-17-22 2-17-22 2-17-22 sec-Butylbenzene ND 0.0010 EPA 8260D 2-17-22 2-17-22 2-17-22 1,3-Dichlorobenzene ND 0.0010 EPA 8260D 2-17-22 2-17-22 2-17-22 1,3-Dichlorobenzene ND 0.0010 EPA 8260D 2-17-22 2-17-22 2-17-22 1,4-Dichlorobenzene ND 0.0010 EPA 8260D 2-17-22 2-17-22 1,4-Dichlorobenzene ND 0.0010 EPA 8260D 2-17-22 2-17-22 1,2-Dichlorobenzene ND 0.0010 EPA 8260D 2-17-22 2-17-22 1,2-Dichlorobenzene ND 0.0010 EPA 8260D 2-17-22 2-17-22 1,2-Dibromo-3-chloropropane ND 0.0010 EPA 8260D 2-17-22 2-17-22 1,2-Dibromo-3-chloropropane ND 0.0064 EPA 8260D 2-17-22 2-17-22 1,2-Dibromo-3-chloropropane ND 0.0010 EPA 8260D 2-17-22 2-17-22 1,2-Dibromo-3-chloropropane ND 0.0010 EPA 8260D 2-17-22 2-17-22 1,2-Dibromo-3-chloropropane ND 0.0010 EPA 8260D 2-17-22 2-17-22 1,2-Dibromo-3-chloropropane ND 0.0050 EPA 8260D 2-17-22 2-17-22 1,2-Dipromo-3-chloropropane ND 0.0050 EPA 8260D 2-17-22 2-17-22 1,2	n-Propylbenzene	ND	0.0010	EPA 8260D	2-17-22	2-17-22	
1,3,5-Trimethylbenzene ND 0.0010 EPA 8260D 2-17-22 2-17-22 tert-Butylbenzene ND 0.0010 EPA 8260D 2-17-22 2-17-22 1,2,4-Trimethylbenzene ND 0.0010 EPA 8260D 2-17-22 2-17-22 sec-Butylbenzene ND 0.0010 EPA 8260D 2-17-22 2-17-22 1,3-Dichlorobenzene ND 0.0010 EPA 8260D 2-17-22 2-17-22 p-Isopropyltoluene ND 0.0010 EPA 8260D 2-17-22 2-17-22 1,4-Dichlorobenzene ND 0.0010 EPA 8260D 2-17-22 2-17-22 1,2-Dichlorobenzene ND 0.0010 EPA 8260D 2-17-22 2-17-22 n-Butylbenzene ND 0.0010 EPA 8260D 2-17-22 2-17-22 n-Butylbenzene ND 0.0010 EPA 8260D 2-17-22 2-17-22 1,2-Dibromo-3-chloropropane ND 0.0064 EPA 8260D 2-17-22 2-17-22 1,2,4-Trichlorobenzene ND 0.0010 EPA 8260D 2-17-22 2-17-22 Naphthalene ND	2-Chlorotoluene	ND	0.0010	EPA 8260D	2-17-22	2-17-22	
tert-Butylbenzene ND 0.0010 EPA 8260D 2-17-22 2-17-22 1,2,4-Trimethylbenzene ND 0.0010 EPA 8260D 2-17-22 2-17-22 sec-Butylbenzene ND 0.0010 EPA 8260D 2-17-22 2-17-22 1,3-Dichlorobenzene ND 0.0010 EPA 8260D 2-17-22 2-17-22 p-Isopropyltoluene ND 0.0010 EPA 8260D 2-17-22 2-17-22 1,4-Dichlorobenzene ND 0.0010 EPA 8260D 2-17-22 2-17-22 1,2-Dichlorobenzene ND 0.0010 EPA 8260D 2-17-22 2-17-22 n-Butylbenzene ND 0.0010 EPA 8260D 2-17-22 2-17-22 n-Butylbenzene ND 0.0010 EPA 8260D 2-17-22 2-17-22 1,2-Dibromo-3-chloropropane ND 0.0064 EPA 8260D 2-17-22 2-17-22 1,2,4-Trichlorobenzene ND 0.0010 EPA 8260D 2-17-22 2-17-22 Hexachlorobutadiene ND 0.0050 <	4-Chlorotoluene	ND	0.0010	EPA 8260D	2-17-22	2-17-22	
1,2,4-Trimethylbenzene ND 0.0010 EPA 8260D 2-17-22 2-17-22 sec-Butylbenzene ND 0.0010 EPA 8260D 2-17-22 2-17-22 1,3-Dichlorobenzene ND 0.0010 EPA 8260D 2-17-22 2-17-22 p-Isopropyltoluene ND 0.0010 EPA 8260D 2-17-22 2-17-22 1,4-Dichlorobenzene ND 0.0010 EPA 8260D 2-17-22 2-17-22 1,2-Dichlorobenzene ND 0.0010 EPA 8260D 2-17-22 2-17-22 n-Butylbenzene ND 0.0010 EPA 8260D 2-17-22 2-17-22 1,2-Dibromo-3-chloropropane ND 0.0064 EPA 8260D 2-17-22 2-17-22 1,2,4-Trichlorobenzene ND 0.0010 EPA 8260D 2-17-22 2-17-22 Hexachlorobutadiene ND 0.0050 EPA 8260D 2-17-22 2-17-22 Naphthalene ND 0.0010 EPA 8260D 2-17-22 2-17-22 1,2,3-Trichlorobenzene ND 0.0010 EPA 8260D 2-17-22 2-17-22 Surrogate: Percent R	1,3,5-Trimethylbenzene	ND	0.0010	EPA 8260D	2-17-22	2-17-22	
sec-Butylbenzene ND 0.0010 EPA 8260D 2-17-22 2-17-22 1,3-Dichlorobenzene ND 0.0010 EPA 8260D 2-17-22 2-17-22 p-Isopropyltoluene ND 0.0010 EPA 8260D 2-17-22 2-17-22 1,4-Dichlorobenzene ND 0.0010 EPA 8260D 2-17-22 2-17-22 1,2-Dichlorobenzene ND 0.0010 EPA 8260D 2-17-22 2-17-22 n-Butylbenzene ND 0.0010 EPA 8260D 2-17-22 2-17-22 1,2-Dibromo-3-chloropropane ND 0.0064 EPA 8260D 2-17-22 2-17-22 1,2,4-Trichlorobenzene ND 0.0010 EPA 8260D 2-17-22 2-17-22 Hexachlorobutadiene ND 0.0050 EPA 8260D 2-17-22 2-17-22 Naphthalene ND 0.0050 EPA 8260D 2-17-22 2-17-22 1,2,3-Trichlorobenzene ND 0.0010 EPA 8260D 2-17-22 2-17-22 Surrogate: Percent Recovery Control Limits <td>tert-Butylbenzene</td> <td>ND</td> <td>0.0010</td> <td>EPA 8260D</td> <td>2-17-22</td> <td>2-17-22</td> <td></td>	tert-Butylbenzene	ND	0.0010	EPA 8260D	2-17-22	2-17-22	
1,3-Dichlorobenzene ND 0.0010 EPA 8260D 2-17-22 2-17-22 p-Isopropyltoluene ND 0.0010 EPA 8260D 2-17-22 2-17-22 1,4-Dichlorobenzene ND 0.0010 EPA 8260D 2-17-22 2-17-22 1,2-Dichlorobenzene ND 0.0010 EPA 8260D 2-17-22 2-17-22 n-Butylbenzene ND 0.0010 EPA 8260D 2-17-22 2-17-22 1,2-Dibromo-3-chloropropane ND 0.0064 EPA 8260D 2-17-22 2-17-22 1,2,4-Trichlorobenzene ND 0.0010 EPA 8260D 2-17-22 2-17-22 Hexachlorobutadiene ND 0.0050 EPA 8260D 2-17-22 2-17-22 Naphthalene ND 0.0050 EPA 8260D 2-17-22 2-17-22 1,2,3-Trichlorobenzene ND 0.0010 EPA 8260D 2-17-22 2-17-22 Surrogate: Percent Recovery Control Limits Dibromofluoromethane 96 74-131 78-128	1,2,4-Trimethylbenzene	ND	0.0010	EPA 8260D	2-17-22	2-17-22	
P-lsopropyltoluene	sec-Butylbenzene	ND	0.0010	EPA 8260D	2-17-22	2-17-22	
1,4-Dichlorobenzene ND 0.0010 EPA 8260D 2-17-22 2-17-22 1,2-Dichlorobenzene ND 0.0010 EPA 8260D 2-17-22 2-17-22 n-Butylbenzene ND 0.0010 EPA 8260D 2-17-22 2-17-22 1,2-Dibromo-3-chloropropane ND 0.0064 EPA 8260D 2-17-22 2-17-22 1,2,4-Trichlorobenzene ND 0.0010 EPA 8260D 2-17-22 2-17-22 Hexachlorobutadiene ND 0.0050 EPA 8260D 2-17-22 2-17-22 Naphthalene ND 0.0050 EPA 8260D 2-17-22 2-17-22 1,2,3-Trichlorobenzene ND 0.0010 EPA 8260D 2-17-22 2-17-22 Surrogate: Percent Recovery Control Limits Dibromofluoromethane 96 74-131 74-131 Toluene-d8 103 78-128	1,3-Dichlorobenzene	ND	0.0010	EPA 8260D	2-17-22	2-17-22	
1,2-Dichlorobenzene ND 0.0010 EPA 8260D 2-17-22 2-17-22 n-Butylbenzene ND 0.0010 EPA 8260D 2-17-22 2-17-22 1,2-Dibromo-3-chloropropane ND 0.0064 EPA 8260D 2-17-22 2-17-22 1,2,4-Trichlorobenzene ND 0.0010 EPA 8260D 2-17-22 2-17-22 Hexachlorobutadiene ND 0.0050 EPA 8260D 2-17-22 2-17-22 Naphthalene ND 0.0050 EPA 8260D 2-17-22 2-17-22 1,2,3-Trichlorobenzene ND 0.0010 EPA 8260D 2-17-22 2-17-22 Surrogate: Percent Recovery Control Limits Dibromofluoromethane 96 74-131 Toluene-d8 103 78-128	p-Isopropyltoluene	ND	0.0010	EPA 8260D	2-17-22	2-17-22	
n-Butylbenzene ND 0.0010 EPA 8260D 2-17-22 2-17-22 1,2-Dibromo-3-chloropropane ND 0.0064 EPA 8260D 2-17-22 2-17-22 1,2,4-Trichlorobenzene ND 0.0010 EPA 8260D 2-17-22 2-17-22 Hexachlorobutadiene ND 0.0050 EPA 8260D 2-17-22 2-17-22 Naphthalene ND 0.0050 EPA 8260D 2-17-22 2-17-22 1,2,3-Trichlorobenzene ND 0.0010 EPA 8260D 2-17-22 2-17-22 Surrogate: Percent Recovery Control Limits Dibromofluoromethane 96 74-131 Toluene-d8 103 78-128	1,4-Dichlorobenzene	ND	0.0010	EPA 8260D	2-17-22	2-17-22	
1,2-Dibromo-3-chloropropane ND 0.0064 EPA 8260D 2-17-22 2-17-22 1,2,4-Trichlorobenzene ND 0.0010 EPA 8260D 2-17-22 2-17-22 Hexachlorobutadiene ND 0.0050 EPA 8260D 2-17-22 2-17-22 Naphthalene ND 0.0050 EPA 8260D 2-17-22 2-17-22 1,2,3-Trichlorobenzene ND 0.0010 EPA 8260D 2-17-22 2-17-22 Surrogate: Percent Recovery Control Limits Dibromofluoromethane 96 74-131 Toluene-d8 103 78-128	1,2-Dichlorobenzene	ND	0.0010	EPA 8260D	2-17-22	2-17-22	
1,2-Dibromo-3-chloropropane ND 0.0064 EPA 8260D 2-17-22 2-17-22 1,2,4-Trichlorobenzene ND 0.0010 EPA 8260D 2-17-22 2-17-22 Hexachlorobutadiene ND 0.0050 EPA 8260D 2-17-22 2-17-22 Naphthalene ND 0.0050 EPA 8260D 2-17-22 2-17-22 1,2,3-Trichlorobenzene ND 0.0010 EPA 8260D 2-17-22 2-17-22 Surrogate: Percent Recovery Control Limits Dibromofluoromethane 96 74-131 Toluene-d8 103 78-128	n-Butylbenzene	ND	0.0010	EPA 8260D	2-17-22	2-17-22	
1,2,4-Trichlorobenzene ND 0.0010 EPA 8260D 2-17-22 2-17-22 Hexachlorobutadiene ND 0.0050 EPA 8260D 2-17-22 2-17-22 Naphthalene ND 0.0050 EPA 8260D 2-17-22 2-17-22 1,2,3-Trichlorobenzene ND 0.0010 EPA 8260D 2-17-22 2-17-22 Surrogate: Percent Recovery Control Limits Dibromofluoromethane 96 74-131 Toluene-d8 103 78-128		ND	0.0064	EPA 8260D	2-17-22	2-17-22	
Hexachlorobutadiene ND 0.0050 EPA 8260D 2-17-22 2-17-22 Naphthalene ND 0.0050 EPA 8260D 2-17-22 2-17-22 1,2,3-Trichlorobenzene ND 0.0010 EPA 8260D 2-17-22 2-17-22 Surrogate: Percent Recovery Control Limits Dibromofluoromethane 96 74-131 Toluene-d8 103 78-128		ND			2-17-22	2-17-22	
Naphthalene ND 0.0050 EPA 8260D 2-17-22 2-17-22 1,2,3-Trichlorobenzene ND 0.0010 EPA 8260D 2-17-22 2-17-22 Surrogate: Percent Recovery Control Limits Dibromofluoromethane 96 74-131 Toluene-d8 103 78-128	Hexachlorobutadiene	ND	0.0050	EPA 8260D	2-17-22	2-17-22	
1,2,3-Trichlorobenzene ND 0.0010 EPA 8260D 2-17-22 2-17-22 Surrogate: Percent Recovery Control Limits Dibromofluoromethane 96 74-131 Toluene-d8 103 78-128							
Surrogate: Percent Recovery Control Limits Dibromofluoromethane 96 74-131 Toluene-d8 103 78-128	•	ND					
Dibromofluoromethane 96 74-131 Toluene-d8 103 78-128							
Toluene-d8 103 78-128	_						
		113	71-130				

VOLATILE ORGANICS EPA 8260D QUALITY CONTROL

Matrix: Solid Units: mg/kg

					Per	cent	Recovery		RPD	
Analyte	Result		Spike	Spike Level		overy	Limits	RPD	Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB02	17S1								
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	0.0522	0.0506	0.0500	0.0500	104	101	71-131	3	19	
Benzene	0.0472	0.0476	0.0500	0.0500	94	95	73-124	1	18	
Trichloroethene	0.0547	0.0567	0.0500	0.0500	109	113	79-130	4	18	
Toluene	0.0498	0.0533	0.0500	0.0500	100	107	76-123	7	18	
Chlorobenzene	0.0539	0.0554	0.0500	0.0500	108	111	78-122	3	18	
Surrogate:										
Dibromofluoromethane					90	87	74-131			
Toluene-d8					102	104	78-128			
4-Bromofluorobenzene					108	111	71-130			



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.
- 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



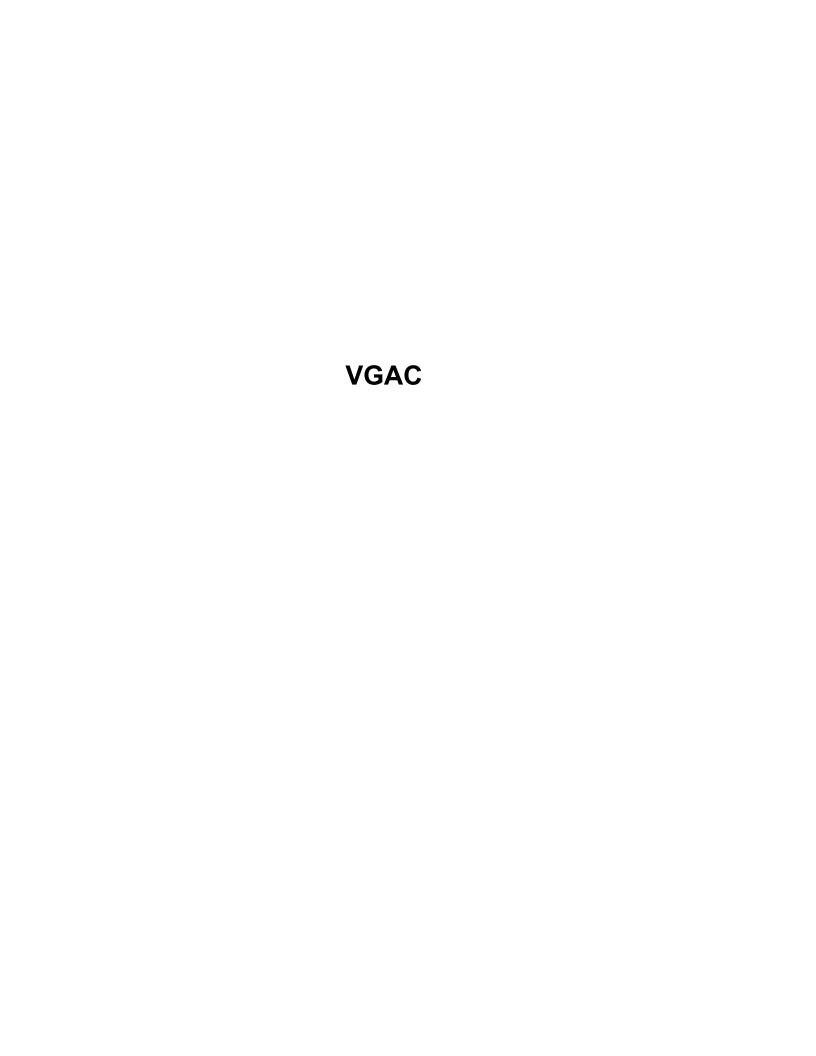


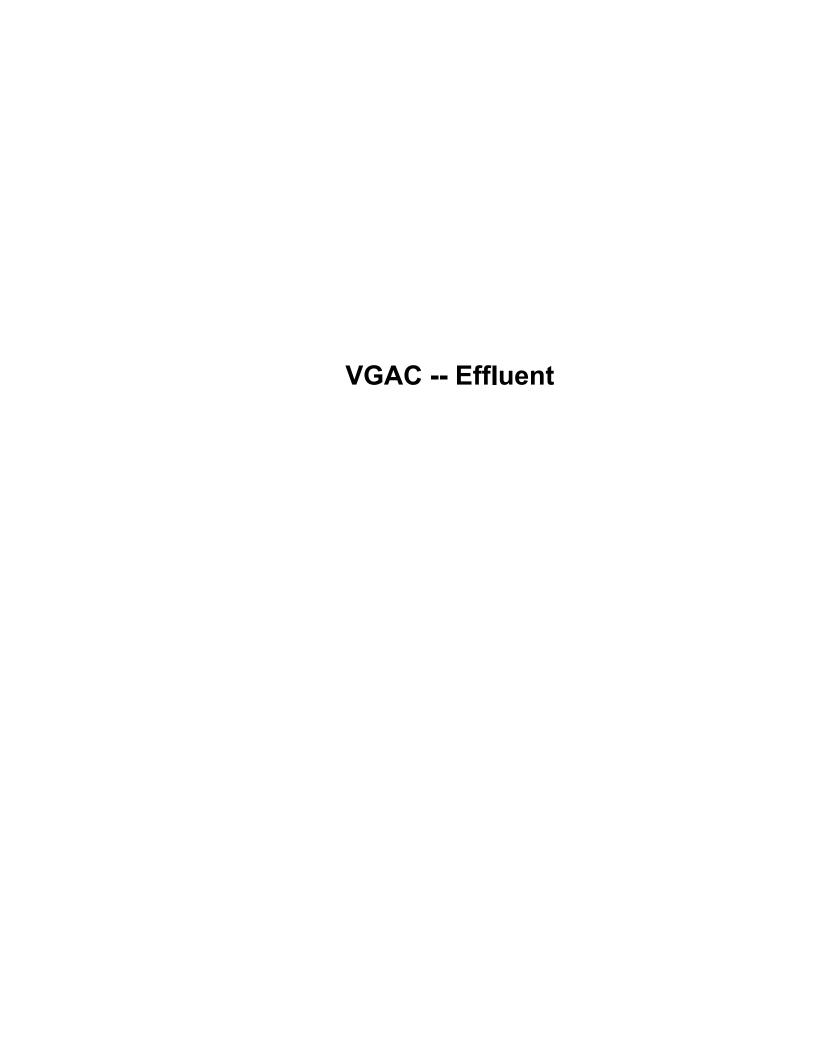


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Reviewed/Date	Received	Relinquished	Received	Relinquished May Muler	Received Byl Marks	Relinquished	Signature				1 LGAC-01-021+22	Lab ID Sample Identification	Jank Block	Jesery Poster	Spic N Spec Project Manager:	060172	ASPET CODSIMA	Company:	Analytical Laboratory Testing Services 14648 NE 95th Street • Redmond, WA 98052 Phono: (A25) 9892 2894 - Mark Conference (A25) 9892 2894 - Mark Conference (A25) 9894 - Mark Conference (A25
Reviewed/Date			900	As prest	Aspect	Spect	Company				2/17/22/11/5 carpon	Date Time Sampled Sampled Matrix	(other)	187-7AT	Standard (7 Days)	2 Days 3 Days	Same Day 1 Day	(Check One)	Turnaround Request (in working days)
			2/17/22 1252	2/17/22 12:52	2/17/22/1232	2/17/22 1232	Date Time				\ \ \	NWTF NWTF NWTF Volati Halog	PH-HC PH-Gx PH-Gx PH-Dx les 826	BTEX	러/SG C)	o)		Laboratory Number:
Chromatograms with final report Electronic Data Deliverables (EDDs)	Data Package: Standard ☐ Level III ☐ Level IV ☐						Comments/Special Instructions					EDB EPA 8011 (Waters Only) Semivolatiles 8270E/SIM (with low-level PAHs) PAHs 8270E/SIM (low-level) PCBs 8082A Organochlorine Pesticides 8081B Organophosphorus Pesticides 8270E Chlorinated Acid Herbicides 8151A Total RCRA Metals Total MTCA Metals TCLP Metals HEM (oil and grease) 1664A					02-220		





ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D. Yelena Aravkina, M.S. Michael Erdahl, B.S. Arina Podnozova, B.S. Eric Young, B.S. 3012 16th Avenue West Seattle, WA 98119-2029 (206) 285-8282 fbi@isomedia.com www.friedmanandbruya.com

August 12, 2021

Jeremy Porter, Project Manager Aspect Consulting, LLC 710 2nd Ave S, Suite 550 Seattle, WA 98104

Dear Mr Porter:

Included are the results from the testing of material submitted on August 9, 2021 from the Spic N Span 652 S Dearborn St 060172, F&BI 108130 project. There are 13 pages included in this report.

We appreciate this opportunity to be of service to you and hope you will call if you have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.

Michael Erdahl Project Manager

Enclosures c: Aspect Data ASP0812R.DOC

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on August 9, 2020 by Friedman & Bruya, Inc. from the Aspect Consulting, LLC Spic N Span 652 S Dearborn St 060172, F&BI 108130 project. Samples were logged in under the laboratory ID's listed below.

<u>Laboratory ID</u>	Aspect Consulting, LLC
108130 -01	VGAC-1-INF-080921
108130 -02	VGAC-1-EFF-080921

Non-petroleum compounds identified in the air phase hydrocarbon (APH) ranges were subtracted per the MA-APH method.

Individually certified canisters were provided for TO-15 sampling.

The APH EC5-8 aliphatics, APH EC9-12 aliphatics, and tetrachloroethene concentration in sample VGAC-1-INF-080921 exceeded the calibration range of the instrument. The data were flagged accordingly.

All other quality control requirements were acceptable.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By Method MA-APH

 Client Sample ID:
 VGAC-1-INF-080921
 Client:
 Aspect Consulting, LLC

 Date Received:
 08/09/21
 Project:
 060172, F&BI 108130

 Date Collected:
 08/09/21
 Lab ID:
 108130-01 1/6.2

 Date Analyzed:
 08/10/21
 Data File:
 081017.D

Matrix: Air Instrument: GCMS7 Units: ug/m3 Operator: bat

% Lower Upper Surrogates: Recovery: Limit: Limit: 4-Bromofluorobenzene 113 70 130

Concentration

Compounds: ug/m3

APH EC5-8 aliphatics 4,900 ve APH EC9-12 aliphatics 5,500 ve APH EC9-10 aromatics 350

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By Method MA-APH

Client Sample ID: VGAC-1-EFF-080921 Client: Aspect Consulting, LLC Date Received: 08/09/21 Project: $060172, F\&BI\ 108130$ Date Collected: Lab ID: 08/09/21 108130-02 1/5.3 Date Analyzed: 08/10/21 Data File: 081019.DMatrix: Instrument: GCMS7 Air Units: ug/m3 Operator: bat

% Lower Upper Surrogates: Recovery: Limit: Limit: 4-Bromofluorobenzene 96 70 130

Concentration

Compounds: ug/m3

APH EC5-8 aliphatics 740 APH EC9-12 aliphatics 1,100 APH EC9-10 aromatics 220

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By Method MA-APH

Client Sample ID: Method Blank Client: Aspect Consulting, LLC Date Received: Not Applicable Project: $060172, F\&BI\ 108130$ Not Applicable Lab ID: Date Collected: $01\text{-}1718~\mathrm{MB}$ Date Analyzed: 08/10/21 Data File: 081010.DMatrix: Instrument: GCMS7 Air

Units: ug/m3 Operator: bat

% Lower Upper Surrogates: Recovery: Limit: Limit: 4-Bromofluorobenzene 86 70 130

Concentration

Compounds: ug/m3

APH EC5-8 aliphatics <75 APH EC9-12 aliphatics <25 APH EC9-10 aromatics <25

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By Method TO-15

Client Sample ID: VGAC-1-INF-080921 Client: Aspect Consulting, LLC Project: 060172, F&BI 108130 Date Received: 08/09/21 Lab ID: Date Collected: 108130-01 1/6.2 08/09/21 Date Analyzed: 08/10/21 Data File: $081017.\mathrm{D}$ Matrix: GCMS7Air Instrument: Units: ug/m3 Operator: bat

	Concent	ration		Conce	ntration
Compounds:	ug/m3	ppbv	Compounds:	ug/m3	ppbv
Compounds.	ug/III0	ppov	Compounds.	ug/III0	ppov
Propene	12	7.2	1,2-Dichloropropane	<1.4	< 0.31
Dichlorodifluoromethane	4.2	0.86	1,4-Dioxane	< 2.2	< 0.62
Chloromethane	<23	<11	2,2,4-Trimethylpentane	<29	< 6.2
F-114	<4.3	< 0.62	Methyl methacrylate	<25	< 6.2
Vinyl chloride	3.1	1.2	Heptane	<25	< 6.2
1,3-Butadiene	0.91	0.41	Bromodichloromethane	< 0.42	< 0.062
Butane	<29	<12	Trichloroethene	190	35
Bromomethane	<14	< 3.7	cis-1,3-Dichloropropene	< 2.8	< 0.62
Chloroethane	<16	< 6.2	4-Methyl-2-pentanone	<25	< 6.2
Vinyl bromide	< 2.7	< 0.62	trans-1,3-Dichloropropene	< 2.8	< 0.62
Ethanol	<47	<25	Toluene	<120	<31
Acrolein	< 0.71	< 0.31	1,1,2-Trichloroethane	< 0.34	< 0.062
Pentane	<18	< 6.2	2-Hexanone	<25	< 6.2
Trichlorofluoromethane	<14	< 2.5	Tetrachloroethene	7,700 ve	1,100 ve
Acetone	<29	<12	Dibromochloromethane	< 0.53	< 0.062
2-Propanol	<53	<22	1,2-Dibromoethane (EDB)	< 0.48	< 0.062
1,1-Dichloroethene	< 2.5	< 0.62	Chlorobenzene	< 2.9	< 0.62
trans-1,2-Dichloroethene	3.0	0.75	Ethylbenzene	6.8	1.6
Methylene chloride	<220	<62	1,1,2,2-Tetrachloroethane	< 0.85	< 0.12
t-Butyl alcohol (TBA)	<75	<25	Nonane	76	14
3-Chloropropene	<9.7	<3.1	Isopropylbenzene	54	11
CFC-113	<4.8	< 0.62	2-Chlorotoluene	<32	< 6.2
Carbon disulfide	81	26	Propylbenzene	<15	<3.1
Methyl t-butyl ether (MTBE)	<11	<3.1	4-Ethyltoluene	<15	<3.1
Vinyl acetate	<44	<12	m,p-Xylene	25	5.8
1,1-Dichloroethane	< 2.5	< 0.62	o-Xylene	11	2.6
cis-1,2-Dichloroethene	97	24	Styrene	< 5.3	<1.2
Hexane	<22	< 6.2	Bromoform	<13	<1.2
Chloroform	6.1	1.3	Benzyl chloride	2.6	0.51
Ethyl acetate	<45	<12	1,3,5-Trimethylbenzene	20	4.1
Tetrahydrofuran	36	12	1,2,4-Trimethylbenzene	85	17
2-Butanone (MEK)	<18	< 6.2	1,3-Dichlorobenzene	<3.7	< 0.62
1,2-Dichloroethane (EDC)	1.5	0.36	1,4-Dichlorobenzene	<1.4	< 0.24
1,1,1-Trichloroethane	< 3.4	< 0.62	1,2-Dichlorobenzene	<3.7	< 0.62
Carbon tetrachloride	<2	< 0.31	1,2,4-Trichlorobenzene	<4.6	< 0.62
Benzene	26	8.1	Naphthalene	2.8	0.54
Cyclohexane	<43	<12	Hexachlorobutadiene	<1.3	< 0.12

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By Method TO-15

Client Sample ID: VGAC-1-EFF-080921 Client: Aspect Consulting, LLC Project: 060172, F&BI 108130 Date Received: 08/09/21 Lab ID: Date Collected: 108130-02 1/5.3 08/09/21 Date Analyzed: 08/10/21 Data File: $081019.\mathrm{D}$ Matrix: GCMS7Air Instrument: ug/m3 Units: Operator: bat

	Concent	tration		Concer	itration
Compounds:	ug/m3	ppbv	Compounds:	ug/m3	ppbv
•	Ü	11	•	J	11
Propene	9.3 jl	$5.4 \mathrm{\; jl}$	1,2-Dichloropropane	<1.2	< 0.26
Dichlorodifluoromethane	2.8	0.57	1,4-Dioxane	< 1.9	< 0.53
Chloromethane	<20	< 9.5	2,2,4-Trimethylpentane	<25	< 5.3
F-114	<3.7	< 0.53	Methyl methacrylate	<22	< 5.3
Vinyl chloride	4.9	1.9	Heptane	<22	< 5.3
1,3-Butadiene	< 0.23	< 0.11	Bromodichloromethane	< 0.36	< 0.053
Butane	<25	<11	Trichloroethene	< 0.57	< 0.11
Bromomethane	<12	< 3.2	cis-1,3-Dichloropropene	< 2.4	< 0.53
Chloroethane	<14	< 5.3	4-Methyl-2-pentanone	<22	< 5.3
Vinyl bromide	< 2.3	< 0.53	trans-1,3-Dichloropropene	< 2.4	< 0.53
Ethanol	<40	<21	Toluene	<100	<26
Acrolein	< 0.61	< 0.26	1,1,2-Trichloroethane	< 0.29	< 0.053
Pentane	<16	< 5.3	2-Hexanone	<22	< 5.3
Trichlorofluoromethane	<12	< 2.1	Tetrachloroethene	<36	< 5.3
Acetone	<25	<11	Dibromochloromethane	< 0.45	< 0.053
2-Propanol	<46	<19	1,2-Dibromoethane (EDB)	< 0.41	< 0.053
1,1-Dichloroethene	< 2.1	< 0.53	Chlorobenzene	< 2.4	< 0.53
trans-1,2-Dichloroethene	< 2.1	< 0.53	Ethylbenzene	3.3	0.75
Methylene chloride	<180	<53	1,1,2,2-Tetrachloroethane	< 0.73	< 0.11
t-Butyl alcohol (TBA)	<64	<21	Nonane	47	8.9
3-Chloropropene	<8.3	< 2.6	Isopropylbenzene	27	5.4
CFC-113	<4.1	< 0.53	2-Chlorotoluene	<27	< 5.3
Carbon disulfide	<33	<11	Propylbenzene	<13	< 2.6
Methyl t-butyl ether (MTBE)	<9.6	< 2.6	4-Ethyltoluene	<13	< 2.6
Vinyl acetate	<37	<11	m,p-Xylene	13	2.9
1,1-Dichloroethane	< 2.1	< 0.53	o-Xylene	6.8	1.6
cis-1,2-Dichloroethene	< 2.1	< 0.53	Styrene	<4.5	<1.1
Hexane	<19	< 5.3	Bromoform	<11	<1.1
Chloroform	< 0.26	< 0.053	Benzyl chloride	< 0.27	< 0.053
Ethyl acetate	<38	<11	1,3,5-Trimethylbenzene	15	3.1
Tetrahydrofuran	9.9	3.4	1,2,4-Trimethylbenzene	61	12
2-Butanone (MEK)	<16	< 5.3	1,3-Dichlorobenzene	< 3.2	< 0.53
1,2-Dichloroethane (EDC)	< 0.21	< 0.053	1,4-Dichlorobenzene	<1.2	< 0.2
1,1,1-Trichloroethane	< 2.9	< 0.53	1,2-Dichlorobenzene	< 3.2	< 0.53
Carbon tetrachloride	<1.7	< 0.26	1,2,4-Trichlorobenzene	<3.9	< 0.53
Benzene	2.2	0.69	Naphthalene	1.4	0.28
Cyclohexane	<36	<11	Hexachlorobutadiene	<1.1	< 0.11

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By Method TO-15

Client Sample ID: Method Blank Client: Aspect Consulting, LLC Date Received: Not Applicable Project: 060172, F&BI 108130

Lab ID: Date Collected: Not Applicable 01-1718 MB 08/10/21 $081010.\mathrm{D}$ Date Analyzed: Data File: Matrix: Air Instrument: GCMS7Units: ug/m3 Operator: bat

	%	Lower	Upper
Surrogates:	Recovery:	Limit:	Limit:
4-Bromofluorobenzene	95	70	130

	Concent	tration		Concen	itration
Compounds:	ug/m3	ppbv	Compounds:	ug/m3	ppbv
Propene	<1.2 jl	<0.7 jl	1,2-Dichloropropane	< 0.23	< 0.05
Dichlorodifluoromethane	< 0.49	< 0.1	1,4-Dioxane	< 0.36	< 0.1
Chloromethane	<3.7	<1.8	2,2,4-Trimethylpentane	<4.7	<1
F-114	< 0.7	< 0.1	Methyl methacrylate	<4.1	<1
Vinyl chloride	< 0.26	< 0.1	Heptane	<4.1	<1
1,3-Butadiene	< 0.044	< 0.02	Bromodichloromethane	< 0.067	< 0.01
Butane	<4.8	<2	Trichloroethene	< 0.11	< 0.02
Bromomethane	< 2.3	< 0.6	cis-1,3-Dichloropropene	< 0.45	< 0.1
Chloroethane	< 2.6	<1	4-Methyl-2-pentanone	<4.1	<1
Vinyl bromide	< 0.44	< 0.1	trans-1,3-Dichloropropene	< 0.45	< 0.1
Ethanol	< 7.5	<4	Toluene	<19	<5
Acrolein	< 0.11	< 0.05	1,1,2-Trichloroethane	< 0.055	< 0.01
Pentane	<3	<1	2-Hexanone	<4.1	<1
Trichlorofluoromethane	< 2.2	< 0.4	Tetrachloroethene	<6.8	<1
Acetone	<4.8	<2	Dibromochloromethane	< 0.085	< 0.01
2-Propanol	<8.6	< 3.5	1,2-Dibromoethane (EDB)	< 0.077	< 0.01
1,1-Dichloroethene	< 0.4	< 0.1	Chlorobenzene	< 0.46	< 0.1
trans-1,2-Dichloroethene	< 0.4	< 0.1	Ethylbenzene	< 0.43	< 0.1
Methylene chloride	<35	<10	1,1,2,2-Tetrachloroethane	< 0.14	< 0.02
t-Butyl alcohol (TBA)	<12	<4	Nonane	< 5.2	<1
3-Chloropropene	<1.6	< 0.5	Isopropylbenzene	< 2.5	< 0.5
CFC-113	< 0.77	< 0.1	2-Chlorotoluene	< 5.2	<1
Carbon disulfide	< 6.2	<2	Propylbenzene	< 2.5	< 0.5
Methyl t-butyl ether (MTBE)	<1.8	< 0.5	4-Ethyltoluene	< 2.5	< 0.5
Vinyl acetate	<7	<2	m,p-Xylene	< 0.87	< 0.2
1,1-Dichloroethane	< 0.4	< 0.1	o-Xylene	< 0.43	< 0.1
cis-1,2-Dichloroethene	< 0.4	< 0.1	Styrene	< 0.85	< 0.2
Hexane	<3.5	<1	Bromoform	<2.1	< 0.2
Chloroform	< 0.049	< 0.01	Benzyl chloride	< 0.052	< 0.01
Ethyl acetate	<7.2	<2	1,3,5-Trimethylbenzene	< 2.5	< 0.5
Tetrahydrofuran	< 0.59	< 0.2	1,2,4-Trimethylbenzene	< 2.5	< 0.5
2-Butanone (MEK)	< 2.9	<1	1,3-Dichlorobenzene	< 0.6	< 0.1
1,2-Dichloroethane (EDC)	< 0.04	< 0.01	1,4-Dichlorobenzene	< 0.23	< 0.038
1,1,1-Trichloroethane	< 0.55	< 0.1	1,2-Dichlorobenzene	< 0.6	< 0.1
Carbon tetrachloride	< 0.31	< 0.05	1,2,4-Trichlorobenzene	< 0.74	< 0.1
Benzene	< 0.32	< 0.1	Naphthalene	< 0.26	< 0.05
Cyclohexane	< 6.9	<2	Hexachlorobutadiene	< 0.21	< 0.02

ENVIRONMENTAL CHEMISTS

Date of Report: 08/12/21 Date Received: 08/09/21

Project: Spic N Span 652 S Dearborn St 060172, F&BI 108130

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF AIR SAMPLES FOR VOLATILES BY METHOD MA-APH

Laboratory Code: 108130-01 1/6.2 (Duplicate)

	Reporting	Sample	Duplicate	RPD
Analyte	Units	Result	Result	(Limit 30)
APH EC5-8 aliphatics	ug/m3	9,700	9,600	1
APH EC9-12 aliphatics	ug/m3	5,500	5,600	2
APH EC9-10 aromatics	ug/m3	350	360	3

Laboratory Code: Laboratory Control Sample

			Percent	
	Reporting	Spike	Recovery	Acceptance
Analyte	Units	Level	LCS	Criteria
APH EC5-8 aliphatics	ug/m3	67	72	70-130
APH EC9-12 aliphatics	ug/m3	67	92	70-130
APH EC9-10 aromatics	ug/m3	67	93	70-130

ENVIRONMENTAL CHEMISTS

Date of Report: 08/12/21 Date Received: 08/09/21

Project: Spic N Span 652 S Dearborn St 060172, F&BI 108130

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF AIR SAMPLES FOR VOLATILES BY METHOD TO-15

Laboratory Code: 108130-01 1/6.2 (Duplicate)

	Reporting	Sample	Duplicate	RPD
Analyte	Units	Result	Result	(Limit 30)
Propene	ug/m3	12	13	8
Dichlorodifluoromethane	ug/m3	4.2	5.0	17
Chloromethane	ug/m3	<23	<23	nm
F-114	ug/m3	<4.3	<4.3	nm
Vinyl chloride	ug/m3	3.1	3.1	0
1,3-Butadiene	ug/m3	0.91	0.88	3
Butane	ug/m3	<29	<29	nm
Bromomethane	ug/m3	<14	<14	nm
Chloroethane	ug/m3	<16	<16	nm
Vinyl bromide	ug/m3	< 2.7	< 2.7	nm
Ethanol	ug/m3	<47	<47	nm
Acrolein	ug/m3	< 0.71	< 0.71	nm
Pentane	ug/m3	<18	<18	nm
Trichlorofluoromethane	ug/m3	<14	<14	nm
Acetone	ug/m3	<29	30	nm
2-Propanol	ug/m3	<53	< 53	nm
1,1-Dichloroethene	ug/m3	< 2.5	< 2.5	nm
trans-1,2-Dichloroethene	ug/m3	3.0	2.9	3
Methylene chloride	ug/m3	<220	<220	nm
t-Butyl alcohol (TBA)	ug/m3	<75	<75	nm
3-Chloropropene	ug/m3	<9.7	< 9.7	nm
CFC-113	ug/m3	<4.8	<4.8	nm
Carbon disulfide	ug/m3	81	83	2
Methyl t-butyl ether (MTBE)	ug/m3	<11	<11	nm
Vinyl acetate	ug/m3	<44	<44	nm
1,1-Dichloroethane	ug/m3	< 2.5	< 2.5	nm
cis-1,2-Dichloroethene	ug/m3	97	99	2
Hexane	ug/m3	<22	<22	nm
Chloroform	ug/m3	6.1	6.2	2
Ethyl acetate	ug/m3	<45	<45	nm
Tetrahydrofuran	ug/m3	36	35	3
2-Butanone (MEK)	ug/m3	<18	<18	nm
1,2-Dichloroethane (EDC)	ug/m3	1.5	1.5	0
1,1,1-Trichloroethane	ug/m3	< 3.4	< 3.4	nm
Carbon tetrachloride	ug/m3	<2	<2	nm
Benzene	ug/m3	26	26	0
Cyclohexane	ug/m3	<43	<43	nm
1,2-Dichloropropane	ug/m3	<1.4	<1.4	nm
1,4-Dioxane	ug/m3	<2.2	< 2.2	nm
2,2,4-Trimethylpentane	ug/m3	<29	<29	nm

ENVIRONMENTAL CHEMISTS

Date of Report: 08/12/21 Date Received: 08/09/21

Project: Spic N Span 652 S Dearborn St 060172, F&BI 108130

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF AIR SAMPLES FOR VOLATILES BY METHOD TO-15

Laboratory Code: 108130-01 1/6.2 (Duplicate, continued)

	Reporting	Sample	Duplicate	RPD
Analyte	Units	Result	Result	(Limit 30)
Methyl methacrylate	ug/m3	<25	<25	nm
Heptane	ug/m3	<25	<25	nm
Bromodichloromethane	ug/m3	< 0.42	< 0.42	nm
Trichloroethene	ug/m3	190	190	0
cis-1,3-Dichloropropene	ug/m3	< 2.8	< 2.8	nm
4-Methyl-2-pentanone	ug/m3	<25	<25	nm
trans-1,3-Dichloropropene	ug/m3	< 2.8	< 2.8	nm
Toluene	ug/m3	<120	<120	nm
1,1,2-Trichloroethane	ug/m3	< 0.34	< 0.34	nm
2-Hexanone	ug/m3	<25	<25	nm
Tetrachloroethene	ug/m3	7,700	7,700	0
Dibromochloromethane	ug/m3	< 0.53	< 0.53	nm
1,2-Dibromoethane (EDB)	ug/m3	< 0.48	< 0.48	nm
Chlorobenzene	ug/m3	< 2.9	< 2.9	nm
Ethylbenzene	ug/m3	6.8	6.8	0
1,1,2,2-Tetrachloroethane	ug/m3	< 0.85	< 0.85	nm
Nonane	ug/m3	76	75	1
Isopropylbenzene	ug/m3	54	53	2
2-Chlorotoluene	ug/m3	<32	<32	nm
Propylbenzene	ug/m3	<15	<15	nm
4-Ethyltoluene	ug/m3	<15	<15	nm
m,p-Xylene	ug/m3	25	25	0
o-Xylene	ug/m3	11	11	0
Styrene	ug/m3	< 5.3	< 5.3	nm
Bromoform	ug/m3	<13	<13	nm
Benzyl chloride	ug/m3	2.6	2.8	7
1,3,5-Trimethylbenzene	ug/m3	20	20	0
1,2,4-Trimethylbenzene	ug/m3	85	84	1
1,3-Dichlorobenzene	ug/m3	<3.7	< 3.7	nm
1,4-Dichlorobenzene	ug/m3	<1.4	<1.4	nm
1,2-Dichlorobenzene	ug/m3	<3.7	< 3.7	nm
1,2,4-Trichlorobenzene	ug/m3	<4.6	<4.6	nm
Naphthalene	ug/m3	2.8	2.8	0
Hexachlorobutadiene	ug/m3	<1.3	<1.3	nm

ENVIRONMENTAL CHEMISTS

Date of Report: 08/12/21 Date Received: 08/09/21

Project: Spic N Span 652 S Dearborn St 060172, F&BI 108130

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF AIR SAMPLES FOR VOLATILES BY METHOD TO-15

Laboratory Code: Laboratory Control Sample

, , ,	1		Percent	
	Reporting	Spike	Recovery	Acceptance
Analyte	Units	Level	LCS	Criteria
Propene	ug/m3	23	67 vo	70-130
Dichlorodifluoromethane	ug/m3	67	106	70-130
Chloromethane	ug/m3	28	96	70-130
F-114	ug/m3	94	97	70-130
Vinyl chloride	ug/m3	35	85	70-130
1,3-Butadiene	ug/m3	30	89	70-130
Butane	ug/m3	32	95	70-130
Bromomethane	ug/m3	52	101	70-130
Chloroethane	ug/m3	36	96	70-130
Vinyl bromide	ug/m3	59	106	70-130
Ethanol	ug/m3	25	101	70-130
Acrolein	ug/m3	31	92	70-130
Pentane	ug/m3	40	90	70-130
Trichlorofluoromethane	ug/m3	76	99	70-130
Acetone	ug/m3	32	89	70-130
2-Propanol	ug/m3	33	89	70-130
1,1-Dichloroethene	ug/m3	54	98	70-130
trans-1,2-Dichloroethene	ug/m3	54	96	70-130
Methylene chloride	ug/m3	94	76	70-130
t-Butyl alcohol (TBA)	ug/m3	41	91	70-130
3-Chloropropene	ug/m3	42	88	70-130
CFC-113	ug/m3	100	98	70-130
Carbon disulfide	ug/m3	42	102	70-130
Methyl t-butyl ether (MTBE)	ug/m3	49	92	70-130
Vinyl acetate	ug/m3	48	85	70-130
1,1-Dichloroethane	ug/m3	55	96	70-130
cis-1,2-Dichloroethene	ug/m3	54	97	70-130
Hexane	ug/m3	48	85	70-130
Chloroform	ug/m3	66	96	70-130
Ethyl acetate	ug/m3	49	91	70-130
Tetrahydrofuran	ug/m3	40	86	70-130
2-Butanone (MEK)	ug/m3	40	100	70-130
1,2-Dichloroethane (EDC)	ug/m3	55	96	70-130
1,1,1-Trichloroethane	ug/m3	74	99	70-130
Carbon tetrachloride	ug/m3	85	100	70-130
Benzene	ug/m3	43	94	70-130
Cyclohexane	ug/m3	46	89	70-130
1,2-Dichloropropane	ug/m3	62	92	70-130
1,4-Dioxane	ug/m3	49	97	70-130
2,2,4-Trimethylpentane	ug/m3	63	93	70-130

ENVIRONMENTAL CHEMISTS

Date of Report: 08/12/21 Date Received: 08/09/21

Project: Spic N Span 652 S Dearborn St 060172, F&BI 108130

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF AIR SAMPLES FOR VOLATILES BY METHOD TO-15

Laboratory Code: Laboratory Control Sample (continued)

		(Percent	
	Reporting	Spike	Recovery	Acceptance
Analyte	Units	Level	LCS	Criteria
Methyl methacrylate	ug/m3	55	92	70-130
Heptane	ug/m3	55	88	70-130
Bromodichloromethane	ug/m3	90	96	70-130
Trichloroethene	ug/m3	73	109	70-130
cis-1,3-Dichloropropene	ug/m3	61	100	70-130
4-Methyl-2-pentanone	ug/m3	55	96	70-130
trans-1,3-Dichloropropene	ug/m3	61	95	70-130
Toluene	ug/m3	51	98	70-130
1,1,2-Trichloroethane	ug/m3	74	97	70-130
2-Hexanone	ug/m3	55	93	70-130
Tetrachloroethene	ug/m3	92	105	70-130
Dibromochloromethane	ug/m3	120	99	70-130
1,2-Dibromoethane (EDB)	ug/m3	100	97	70-130
Chlorobenzene	ug/m3	62	100	70-130
Ethylbenzene	ug/m3	59	91	70-130
1,1,2,2-Tetrachloroethane	ug/m3	93	94	70-130
Nonane	ug/m3	71	84	70-130
Isopropylbenzene	ug/m3	66	98	70-130
2-Chlorotoluene	ug/m3	70	93	70-130
Propylbenzene	ug/m3	66	95	70-130
4-Ethyltoluene	ug/m3	66	91	70-130
m,p-Xylene	ug/m3	120	96	70-130
o-Xylene	ug/m3	59	100	70-130
Styrene	ug/m3	58	95	70-130
Bromoform	ug/m3	140	102	70-130
Benzyl chloride	ug/m3	70	101	70-130
1,3,5-Trimethylbenzene	ug/m3	66	91	70-130
1,2,4-Trimethylbenzene	ug/m3	66	92	70-130
1,3-Dichlorobenzene	ug/m3	81	102	70-130
1,4-Dichlorobenzene	ug/m3	81	97	70-130
1,2-Dichlorobenzene	ug/m3	81	100	70-130
1,2,4-Trichlorobenzene	ug/m3	100	93	70-130
Naphthalene	ug/m3	71	98	70-130
Hexachlorobutadiene	ug/m3	140	100	70-130

ENVIRONMENTAL CHEMISTS

Data Qualifiers & Definitions

- a The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.
- b The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.
- ca The calibration results for the analyte were outside of acceptance criteria. The value reported is an estimate.
- c The presence of the analyte may be due to carryover from previous sample injections.
- cf The sample was centrifuged prior to analysis.
- d The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.
- dv Insufficient sample volume was available to achieve normal reporting limits.
- f The sample was laboratory filtered prior to analysis.
- fb The analyte was detected in the method blank.
- fc The analyte is a common laboratory and field contaminant.
- hr The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.
- hs Headspace was present in the container used for analysis.
- ht The analysis was performed outside the method or client-specified holding time requirement.
- ip Recovery fell outside of control limits due to sample matrix effects.
- j The analyte concentration is reported below the lowest calibration standard. The value reported is an estimate.
- J The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.
- jl The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.
- js The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.
- lc The presence of the analyte is likely due to laboratory contamination.
- L The reported concentration was generated from a library search.
- nm The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.
- pc The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.
- ve The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.
- vo The value reported fell outside the control limits established for this analyte.
- x The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

FORMS\COC\COCTO-15.DOC VEAC- 1-EFF. 080921 Od 8387 V6AC-1-INF-080921 O SAMPLE INFORMATION Fax (206) 283-5044 Ph. (206) 285-8282 Seattle, WA 98119-2029 3012 16th Avenue West Friedman & Bruya, Inc. Phone 200. 790. 2129 Email parter @ aspect consuming alm City, State, ZIP SPATIL, WA 98104 Address 710 2nd Ave Swite 550 COMPANY ASSPECT CONSIMITION Report To Jeremy Porter 108130 Sample Name Received by: W. Kl Relinguished by 16 18 Received by: Relinquished by: Lab 32*w*D Canister ID SIGNATURE Cont. 7 Z Flow SG=Soil Gas (Circle One) IA=Indoor Air IA IA IA IA / SG IA / SG IA / SG IA / (SG) 1A / (SG) |08/04/24 | 30 Reporting Level: SAMPLERS (signature) MMV PROJECT NAME & ADDRÉSS NOTES: SG SG SG 1952 S. Dearburn St. 12 |21/2018 Sampled ("Hg) Monigue 2 Initial Vac. PRINT NAME 大いせん 1351 1345 Time Field Initial Final Vac. ("Hg) Ŋ Ø) <u>5</u> 3 Final Final Time 060172 INVOICE TO ME 8/9/12 ANALYSIS REQUESTED F TO15 Full Scan であるか COMPANY TO15 BTEXN Samples TO15 cVOCs APH received at 25°C SAMPLE DISPOSAL

□ Default: Clean after 3 days ☐ Archive (Fee may apply) Rush charges authorized by: © Standard RUSH 72 hows Helium Page# TURNAROUND TIME 4 (21 | 12/120180 DATE

Notes

HMIL

SAMPLE CHAIN OF CUSTODY

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D. Yelena Aravkina, M.S. Michael Erdahl, B.S. Arina Podnozova, B.S. Eric Young, B.S. 3012 16th Avenue West Seattle, WA 98119-2029 (206) 285-8282 fbi@isomedia.com www.friedmanandbruya.com

August 10, 2021

Jeremy Porter, Project Manager Aspect Consulting, LLC 710 2nd Ave S, Suite 550 Seattle, WA 98104

Dear Mr Porter:

Included are the results from the testing of material submitted on August 5, 2021 from the Spic 'n Span 060172, F&BI 108080 project. There are 13 pages included in this report.

We appreciate this opportunity to be of service to you and hope you will call if you have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.

Michael Erdahl Project Manager

Enclosures c: Aspect Data ASP0810R.DOC

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on August 5, 2021 by Friedman & Bruya, Inc. from the Aspect Consulting, LLC Spic 'n Span 060172, F&BI 108080 project. Samples were logged in under the laboratory ID's listed below.

<u>Laboratory ID</u>	<u>Aspect Consulting, LLC</u>
108080 -01	VGAC-1-INF-080521
108080 -02	VGAC-1-EFF-080521

Non-petroleum compounds identified in the air phase hydrocarbon (APH) ranges were subtracted per the MA-APH method.

The tetrachloroethene concentration in sample VGAC-1-INF-080521 exceeded the calibration range of the instrument. The data were flagged accordingly.

All other quality control requirements were acceptable.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By Method MA-APH

Client Sample ID: VGAC-1-INF-080521 Client: Aspect Consulting, LLC

Date Received: 08/05/21 Project: Spic 'n Span 060172, F&BI 108080

Date Collected: Lab ID: 108080-01 1/17 08/05/21 Date Analyzed: 08/06/21 Data File: 080532.DMatrix: Instrument: GCMS7 Air Units: ug/m3 Operator: bat

Concentration

Compounds: ug/m3

APH EC5-8 aliphatics 6,400 APH EC9-12 aliphatics 6,000 APH EC9-10 aromatics 1,900

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By Method MA-APH

Client Sample ID: VGAC-1-EFF-080521 Client: Aspect Consulting, LLC

Date Received: 08/05/21 Project: Spic 'n Span 060172, F&BI 108080

Lab ID: Date Collected: 08/05/21 108080-02 1/6.0 Date Analyzed: 08/06/21 Data File: 080529.DMatrix: Instrument: GCMS7 Air Units: ug/m3 Operator: bat

% Lower Upper Surrogates: Recovery: Limit: Limit: 4-Bromofluorobenzene 93 70 130

Concentration

Compounds: ug/m3

APH EC5-8 aliphatics <450 APH EC9-12 aliphatics 300 APH EC9-10 aromatics 1,700

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By Method MA-APH

Client Sample ID: Method Blank Client: Aspect Consulting, LLC

Date Received: Not Applicable Project: Spic 'n Span 060172, F&BI 108080

Not Applicable Lab ID: Date Collected: $01\text{-}1726~\mathrm{MB}$ Date Analyzed: 08/05/21 Data File: 080513.DMatrix: Instrument: GCMS7 Air Units: ug/m3 Operator: bat

% Lower Upper Surrogates: Recovery: Limit: Limit: 4-Bromofluorobenzene 83 70 130

Concentration

Compounds: ug/m3

APH EC5-8 aliphatics <75 APH EC9-12 aliphatics <25 APH EC9-10 aromatics <25

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By Method TO-15

Client Sample ID: VGAC-1-INF-080521 Client: Aspect Consulting, LLC

Date Received: 08/05/21 Project: Spic 'n Span 060172, F&BI 108080

Lab ID: Date Collected: 108080-01 1/17 08/05/21 Date Analyzed: 08/06/21 Data File: $080532.\mathrm{D}$ Matrix: Air Instrument: GCMS7ug/m3 Operator: Units: bat

	%	Lower	$_{ m Upper}$
Surrogates:	Recovery:	Limit:	Limit:
4-Bromofluorobenzene	110	70	130

	Concent	ration		Conce:	ntration
Compounds:	ug/m3	ppbv	Compounds:	ug/m3	ppbv
Propene	<20	<12	1,2-Dichloropropane	<3.9	< 0.85
Dichlorodifluoromethane	<8.4	<1.7	1,4-Dioxane	<6.1	<1.7
Chloromethane	<63	<31	2,2,4-Trimethylpentane	<79	<17
F-114	<12	<1.7	Methyl methacrylate	< 70	<17
Vinyl chloride	7.7	3.0	Heptane	< 70	<17
1,3-Butadiene	< 0.75	< 0.34	Bromodichloromethane	<1.1	< 0.17
Butane	<81	<34	Trichloroethene	230	43
Bromomethane	<40	<10	cis-1,3-Dichloropropene	<7.7	<1.7
Chloroethane	<45	<17	4-Methyl-2-pentanone	< 70	<17
Vinyl bromide	<7.4	<1.7	trans-1,3-Dichloropropene	<7.7	<1.7
Ethanol	<130	<68	Toluene	<320	<85
Acrolein	< 1.9	< 0.85	1,1,2-Trichloroethane	< 0.93	< 0.17
Pentane	< 50	<17	2-Hexanone	< 70	<17
Trichlorofluoromethane	<38	< 6.8	Tetrachloroethene	14,000 ve	2,000 ve
Acetone	<81	<34	Dibromochloromethane	<1.4	< 0.17
2-Propanol	<150	< 59	1,2-Dibromoethane (EDB)	<1.3	< 0.17
1,1-Dichloroethene	< 6.7	<1.7	Chlorobenzene	<7.8	<1.7
trans-1,2-Dichloroethene	< 6.7	<1.7	Ethylbenzene	30	6.9
Methylene chloride	< 590	<170	1,1,2,2-Tetrachloroethane	< 2.3	< 0.34
t-Butyl alcohol (TBA)	<210	<68	Nonane	<89	<17
3-Chloropropene	<27	<8.5	Isopropylbenzene	180	36
CFC-113	<13	<1.7	2-Chlorotoluene	<88	<17
Carbon disulfide	<110	<34	Propylbenzene	<42	< 8.5
Methyl t-butyl ether (MTBE)	<31	< 8.5	4-Ethyltoluene	49	10
Vinyl acetate	<120	<34	m,p-Xylene	120	27
1,1-Dichloroethane	< 6.9	<1.7	o-Xylene	51	12
cis-1,2-Dichloroethene	110	29	Styrene	<14	< 3.4
Hexane	<60	<17	Bromoform	<35	< 3.4
Chloroform	2.9	0.59	Benzyl chloride	< 0.88	< 0.17
Ethyl acetate	<120	<34	1,3,5-Trimethylbenzene	91	18
Tetrahydrofuran	48	16	1,2,4-Trimethylbenzene	390	80
2-Butanone (MEK)	< 50	<17	1,3-Dichlorobenzene	<10	<1.7
1,2-Dichloroethane (EDC)	< 0.69	< 0.17	1,4-Dichlorobenzene	<3.9	< 0.65
1,1,1-Trichloroethane	<9.3	<1.7	1,2-Dichlorobenzene	<10	<1.7
Carbon tetrachloride	< 5.3	< 0.85	1,2,4-Trichlorobenzene	<13	<1.7
Benzene	74	23	Naphthalene	74	14
Cyclohexane	<120	<34	Hexachlorobutadiene	<3.6	< 0.34
- 0				3.0	

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By Method TO-15

Client Sample ID: VGAC-1-EFF-080521 Client: Aspect Consulting, LLC

Date Received: 08/05/21 Project: Spic 'n Span 060172, F&BI 108080

Date Collected: Lab ID: 08/05/21 108080-02 1/6.0 Date Analyzed: 08/06/21 Data File: $080529.\mathrm{D}$ Matrix: GCMS7Air Instrument: ug/m3 Units: Operator: bat

	Concent	ration		Concen	itration
Compounds:	ug/m3	ppbv	Compounds:	ug/m3	ppbv
Propene	<7.2	<4.2	1,2-Dichloropropane	<1.4	< 0.3
Dichlorodifluoromethane	<3	<0.6	1,4-Dioxane	<2.2	<0.6
Chloromethane	<22	<0.0 <11	2,2,4-Trimethylpentane	<2.2 <28	<6
F-114	<4.2	<0.6	Methyl methacrylate	<25	<6
Vinyl chloride	<4.2 <1.5	< 0.6	Heptane	<25 <25	<6
	<0.27	< 0.12	Bromodichloromethane	<0.4	< 0.06
1,3-Butadiene Butane	<0.27 <29	<0.12 <12	Trichloroethene	< 0.4	< 0.12
		<3.6		<0.64 <2.7	<0.12
Bromomethane	<14 <16		cis-1,3-Dichloropropene		
Chloroethane	_	<6	4-Methyl-2-pentanone	<25 <2.7	<6
Vinyl bromide	< 2.6	<0.6 <24	trans-1,3-Dichloropropene		< 0.6
Ethanol	<45		Toluene	<110	<30
Acrolein	< 0.69	< 0.3	1,1,2-Trichloroethane	<0.33	< 0.06
Pentane	<18	<6	2-Hexanone	<25	<6
Trichlorofluoromethane	<13	< 2.4	Tetrachloroethene	<41	<6
Acetone	<29	<12	Dibromochloromethane	< 0.51	< 0.06
2-Propanol	<52	<21	1,2-Dibromoethane (EDB)	< 0.46	< 0.06
1,1-Dichloroethene	<2.4	< 0.6	Chlorobenzene	<2.8	< 0.6
trans-1,2-Dichloroethene	< 2.4	< 0.6	Ethylbenzene	18	4.1
Methylene chloride	<210	<60	1,1,2,2-Tetrachloroethane	< 0.82	< 0.12
t-Butyl alcohol (TBA)	<73	<24	Nonane	<31	<6
3-Chloropropene	<9.4	<3	Isopropylbenzene	40	8.1
CFC-113	<4.6	< 0.6	2-Chlorotoluene	<31	<6
Carbon disulfide	<37	<12	Propylbenzene	17	3.5
Methyl t-butyl ether (MTBE)	<11	<3	4-Ethyltoluene	42	8.6
Vinyl acetate	<42	<12	m,p-Xylene	74	17
1,1-Dichloroethane	< 2.4	< 0.6	o-Xylene	34	7.8
cis-1,2-Dichloroethene	< 2.4	< 0.6	Styrene	< 5.1	<1.2
Hexane	<21	<6	Bromoform	<12	<1.2
Chloroform	< 0.29	< 0.06	Benzyl chloride	0.40	0.078
Ethyl acetate	<43	<12	1,3,5-Trimethylbenzene	72	15
Tetrahydrofuran	< 3.5	<1.2	1,2,4-Trimethylbenzene	340	69
2-Butanone (MEK)	<18	<6	1,3-Dichlorobenzene	<3.6	< 0.6
1,2-Dichloroethane (EDC)	< 0.24	< 0.06	1,4-Dichlorobenzene	<1.4	< 0.23
1,1,1-Trichloroethane	<3.3	< 0.6	1,2-Dichlorobenzene	<3.6	< 0.6
Carbon tetrachloride	< 1.9	< 0.3	1,2,4-Trichlorobenzene	<4.5	< 0.6
Benzene	5.9	1.8	Naphthalene	100	19
Cyclohexane	<41	<12	Hexachlorobutadiene	<1.3	< 0.12

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By Method TO-15

Client Sample ID: Method Blank Client: Aspect Consulting, LLC

Date Received: Not Applicable Project: Spic 'n Span 060172, F&BI 108080

Lab ID: Date Collected: Not Applicable $01\text{-}1726\,\mathrm{MB}$ 08/05/21 Date Analyzed: Data File: $080513.\mathrm{D}$ Matrix: Air Instrument: GCMS7ug/m3 Units: Operator: bat

	%	Lower	Upper
Surrogates:	Recovery:	Limit:	Limit:
4-Bromofluorobenzene	92	70	130

	Concen	tration		Concer	ntration
Compounds:	ug/m3	ppbv	Compounds:	ug/m3	ppbv
Propene	<1.2	< 0.7	1,2-Dichloropropane	< 0.23	< 0.05
Dichlorodifluoromethane	< 0.49	< 0.1	1,4-Dioxane	< 0.36	< 0.1
Chloromethane	<3.7	<1.8	2,2,4-Trimethylpentane	<4.7	<1
F-114	< 0.7	< 0.1	Methyl methacrylate	<4.1	<1
Vinyl chloride	< 0.26	< 0.1	Heptane	<4.1	<1
1,3-Butadiene	< 0.044	< 0.02	Bromodichloromethane	< 0.067	< 0.01
Butane	<4.8	<2	Trichloroethene	< 0.11	< 0.02
Bromomethane	< 2.3	< 0.6	cis-1,3-Dichloropropene	< 0.45	< 0.1
Chloroethane	< 2.6	<1	4-Methyl-2-pentanone	<4.1	<1
Vinyl bromide	< 0.44	< 0.1	trans-1,3-Dichloropropene	< 0.45	< 0.1
Ethanol	< 7.5	<4	Toluene	<19	<5
Acrolein	< 0.11	< 0.05	1,1,2-Trichloroethane	< 0.055	< 0.01
Pentane	<3	<1	2-Hexanone	<4.1	<1
Trichlorofluoromethane	< 2.2	< 0.4	Tetrachloroethene	<6.8	<1
Acetone	<4.8	<2	Dibromochloromethane	< 0.085	< 0.01
2-Propanol	<8.6	< 3.5	1,2-Dibromoethane (EDB)	< 0.077	< 0.01
1,1-Dichloroethene	< 0.4	< 0.1	Chlorobenzene	< 0.46	< 0.1
trans-1,2-Dichloroethene	< 0.4	< 0.1	Ethylbenzene	< 0.43	< 0.1
Methylene chloride	<35	<10	1,1,2,2-Tetrachloroethane	< 0.14	< 0.02
t-Butyl alcohol (TBA)	<12	<4	Nonane	< 5.2	<1
3-Chloropropene	<1.6	< 0.5	Isopropylbenzene	< 2.5	< 0.5
CFC-113	< 0.77	< 0.1	2-Chlorotoluene	< 5.2	<1
Carbon disulfide	< 6.2	<2	Propylbenzene	< 2.5	< 0.5
Methyl t-butyl ether (MTBE)	<1.8	< 0.5	4-Ethyltoluene	< 2.5	< 0.5
Vinyl acetate	<7	<2	m,p-Xylene	< 0.87	< 0.2
1,1-Dichloroethane	< 0.4	< 0.1	o-Xylene	< 0.43	< 0.1
cis-1,2-Dichloroethene	< 0.4	< 0.1	Styrene	< 0.85	< 0.2
Hexane	< 3.5	<1	Bromoform	< 2.1	< 0.2
Chloroform	< 0.049	< 0.01	Benzyl chloride	< 0.052	< 0.01
Ethyl acetate	< 7.2	<2	1,3,5-Trimethylbenzene	< 2.5	< 0.5
Tetrahydrofuran	< 0.59	< 0.2	1,2,4-Trimethylbenzene	< 2.5	< 0.5
2-Butanone (MEK)	< 2.9	<1	1,3-Dichlorobenzene	< 0.6	< 0.1
1,2-Dichloroethane (EDC)	< 0.04	< 0.01	1,4-Dichlorobenzene	< 0.23	< 0.038
1,1,1-Trichloroethane	< 0.55	< 0.1	1,2-Dichlorobenzene	< 0.6	< 0.1
Carbon tetrachloride	< 0.31	< 0.05	1,2,4-Trichlorobenzene	< 0.74	< 0.1
Benzene	< 0.32	< 0.1	Naphthalene	< 0.26	< 0.05
Cyclohexane	< 6.9	<2	Hexachlorobutadiene	< 0.21	< 0.02
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ENVIRONMENTAL CHEMISTS

Date of Report: 08/10/21 Date Received: 08/05/21

Project: Spic 'n Span 060172, F&BI 108080

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF AIR SAMPLES FOR VOLATILES BY METHOD MA-APH

Laboratory Code: 108080-02 1/6.0 (Duplicate)

	Reporting	Sample	Duplicate	RPD
Analyte	Units	Result	Result	(Limit 30)
APH EC5-8 aliphatics	ug/m3	<450	<450	nm
APH EC9-12 aliphatics	ug/m3	300	280	7
APH EC9-10 aromatics	ug/m3	1,700	1,700	0

Laboratory Code: Laboratory Control Sample

			Percent	
	Reporting	Spike	Recovery	Acceptance
Analyte	Units	Level	LCS	Criteria
APH EC5-8 aliphatics	ug/m3	67	73	70-130
APH EC9-12 aliphatics	ug/m3	67	94	70-130
APH EC9-10 aromatics	ug/m3	67	95	70-130

ENVIRONMENTAL CHEMISTS

Date of Report: 08/10/21 Date Received: 08/05/21

Project: Spic 'n Span 060172, F&BI 108080

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF AIR SAMPLES FOR VOLATILES BY METHOD TO-15

Laboratory Code: 108080-02 1/6.0 (Duplicate)

	Reporting	Sample	Duplicate	RPD
Analyte	Units	Result	Result	(Limit 30)
Propene	ug/m3	< 7.2	<7.2	nm
Dichlorodifluoromethane	ug/m3	<3	<3	nm
Chloromethane	ug/m3	<22	<22	nm
F-114	ug/m3	<4.2	<4.2	nm
Vinyl chloride	ug/m3	<1.5	<1.5	nm
1,3-Butadiene	ug/m3	< 0.27	< 0.27	nm
Butane	ug/m3	<29	<29	nm
Bromomethane	ug/m3	<14	<14	nm
Chloroethane	ug/m3	<16	<16	nm
Vinyl bromide	ug/m3	< 2.6	< 2.6	nm
Ethanol	ug/m3	<45	<45	nm
Acrolein	ug/m3	< 0.69	< 0.69	nm
Pentane	ug/m3	<18	<18	nm
Trichlorofluoromethane	ug/m3	<13	<13	nm
Acetone	ug/m3	<29	<29	nm
2-Propanol	ug/m3	<52	<52	nm
1,1-Dichloroethene	ug/m3	< 2.4	< 2.4	nm
trans-1,2-Dichloroethene	ug/m3	< 2.4	< 2.4	nm
Methylene chloride	ug/m3	<210	<210	nm
t-Butyl alcohol (TBA)	ug/m3	<73	<73	nm
3-Chloropropene	ug/m3	< 9.4	< 9.4	nm
CFC-113	ug/m3	<4.6	<4.6	nm
Carbon disulfide	ug/m3	<37	<37	nm
Methyl t-butyl ether (MTBE)	ug/m3	<11	<11	nm
Vinyl acetate	ug/m3	<42	<42	nm
1,1-Dichloroethane	ug/m3	< 2.4	< 2.4	nm
cis-1,2-Dichloroethene	ug/m3	< 2.4	< 2.4	nm
Hexane	ug/m3	<21	<21	nm
Chloroform	ug/m3	< 0.29	< 0.29	nm
Ethyl acetate	ug/m3	<43	<43	nm
Tetrahydrofuran	ug/m3	< 3.5	< 3.5	nm
2-Butanone (MEK)	ug/m3	<18	<18	nm
1,2-Dichloroethane (EDC)	ug/m3	< 0.24	< 0.24	nm
1,1,1-Trichloroethane	ug/m3	<3.3	<3.3	nm
Carbon tetrachloride	ug/m3	<1.9	<1.9	nm
Benzene	ug/m3	5.9	6.0	2
Cyclohexane	ug/m3	<41	<41	nm
1,2-Dichloropropane	ug/m3	<1.4	<1.4	nm
1,4-Dioxane	ug/m3	< 2.2	< 2.2	nm
2,2,4-Trimethylpentane	ug/m3	<28	<28	nm

ENVIRONMENTAL CHEMISTS

Date of Report: 08/10/21 Date Received: 08/05/21

Project: Spic 'n Span 060172, F&BI 108080

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF AIR SAMPLES FOR VOLATILES BY METHOD TO-15

Laboratory Code: 108080-02 1/6.0 (Duplicate)

	Reporting	Sample	Duplicate	RPD
Analyte	Units	Result	Result	(Limit 30)
Methyl methacrylate	ug/m3	<25	<25	nm
Heptane	ug/m3	<25	<25	nm
Bromodichloromethane	ug/m3	< 0.4	< 0.4	nm
Trichloroethene	ug/m3	< 0.64	< 0.64	nm
cis-1,3-Dichloropropene	ug/m3	< 2.7	< 2.7	nm
4-Methyl-2-pentanone	ug/m3	<25	<25	nm
trans-1,3-Dichloropropene	ug/m3	< 2.7	< 2.7	nm
Toluene	ug/m3	<110	<110	nm
1,1,2-Trichloroethane	ug/m3	< 0.33	< 0.33	nm
2-Hexanone	ug/m3	<25	<25	nm
Tetrachloroethene	ug/m3	<41	<41	nm
Dibromochloromethane	ug/m3	< 0.51	< 0.51	nm
1,2-Dibromoethane (EDB)	ug/m3	< 0.46	< 0.46	nm
Chlorobenzene	ug/m3	< 2.8	< 2.8	nm
Ethylbenzene	ug/m3	18	18	0
1,1,2,2-Tetrachloroethane	ug/m3	< 0.82	< 0.82	nm
Nonane	ug/m3	<31	<31	nm
Isopropylbenzene	ug/m3	40	39	3
2-Chlorotoluene	ug/m3	<31	<31	nm
Propylbenzene	ug/m3	17	18	6
4-Ethyltoluene	ug/m3	42	42	0
m,p-Xylene	ug/m3	74	74	0
o-Xylene	ug/m3	34	34	0
Styrene	ug/m3	< 5.1	< 5.1	nm
Bromoform	ug/m3	<12	<12	nm
Benzyl chloride	ug/m3	0.40	0.40	0
1,3,5-Trimethylbenzene	ug/m3	72	72	0
1,2,4-Trimethylbenzene	ug/m3	340	340	0
1,3-Dichlorobenzene	ug/m3	<3.6	<3.6	nm
1,4-Dichlorobenzene	ug/m3	<1.4	<1.4	nm
1,2-Dichlorobenzene	ug/m3	<3.6	<3.6	nm
1,2,4-Trichlorobenzene	ug/m3	<4.5	<4.5	nm
Naphthalene	ug/m3	100	100	0
Hexachlorobutadiene	ug/m3	<1.3	<1.3	nm

ENVIRONMENTAL CHEMISTS

Date of Report: 08/10/21 Date Received: 08/05/21

Project: Spic 'n Span 060172, F&BI 108080

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF AIR SAMPLES FOR VOLATILES BY METHOD TO-15

Laboratory Code: Laboratory Control Sample

, , ,	1		Percent	
	Reporting	Spike	Recovery	Acceptance
Analyte	Units	Level	LCS	Criteria
Propene	ug/m3	23	84	70-130
Dichlorodifluoromethane	ug/m3	67	102	70-130
Chloromethane	ug/m3	28	85	70-130
F-114	ug/m3	94	97	70-130
Vinyl chloride	ug/m3	35	94	70-130
1,3-Butadiene	ug/m3	30	91	70-130
Butane	ug/m3	32	96	70-130
Bromomethane	ug/m3	52	101	70-130
Chloroethane	ug/m3	36	99	70-130
Vinyl bromide	ug/m3	59	110	70-130
Ethanol	ug/m3	25	100	70-130
Acrolein	ug/m3	31	97	70-130
Pentane	ug/m3	40	93	70-130
Trichlorofluoromethane	ug/m3	76	103	70-130
Acetone	ug/m3	32	93	70-130
2-Propanol	ug/m3	33	89	70-130
1,1-Dichloroethene	ug/m3	54	101	70-130
trans-1,2-Dichloroethene	ug/m3	54	100	70-130
Methylene chloride	ug/m3	94	88	70-130
t-Butyl alcohol (TBA)	ug/m3	41	94	70-130
3-Chloropropene	ug/m3	42	92	70-130
CFC-113	ug/m3	100	104	70-130
Carbon disulfide	ug/m3	42	103	70-130
Methyl t-butyl ether (MTBE)	ug/m3	49	98	70-130
Vinyl acetate	ug/m3	48	91	70-130
1,1-Dichloroethane	ug/m3	55	101	70-130
cis-1,2-Dichloroethene	ug/m3	54	102	70-130
Hexane	ug/m3	48	88	70-130
Chloroform	ug/m3	66	101	70-130
Ethyl acetate	ug/m3	49	96	70-130
Tetrahydrofuran	ug/m3	40	89	70-130
2-Butanone (MEK)	ug/m3	40	105	70-130
1,2-Dichloroethane (EDC)	ug/m3	55	98	70-130
1,1,1-Trichloroethane	ug/m3	74	103	70-130
Carbon tetrachloride	ug/m3	85	104	70-130
Benzene	ug/m3	43	99	70-130
Cyclohexane	ug/m3	46	93	70-130
1,2-Dichloropropane	ug/m3	62	94	70-130
1,4-Dioxane	ug/m3	49	99	70-130
2,2,4-Trimethylpentane	ug/m3	63	96	70-130

ENVIRONMENTAL CHEMISTS

Date of Report: 08/10/21 Date Received: 08/05/21

Project: Spic 'n Span 060172, F&BI 108080

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF AIR SAMPLES FOR VOLATILES BY METHOD TO-15

Laboratory Code: Laboratory Control Sample

			Percent	
	Reporting	Spike	Recovery	Acceptance
Analyte	Units	Level	LCS	Criteria
Methyl methacrylate	ug/m3	55	99	70-130
Heptane	ug/m3	55	93	70-130
Bromodichloromethane	ug/m3	90	99	70-130
Trichloroethene	ug/m3	73	112	70-130
cis-1,3-Dichloropropene	ug/m3	61	104	70-130
4-Methyl-2-pentanone	ug/m3	55	109	70-130
trans-1,3-Dichloropropene	ug/m3	61	98	70-130
Toluene	ug/m3	51	103	70-130
1,1,2-Trichloroethane	ug/m3	74	99	70-130
2-Hexanone	ug/m3	55	94	70-130
Tetrachloroethene	ug/m3	92	107	70-130
Dibromochloromethane	ug/m3	120	101	70-130
1,2-Dibromoethane (EDB)	ug/m3	100	98	70-130
Chlorobenzene	ug/m3	62	109	70-130
Ethylbenzene	ug/m3	59	98	70-130
1,1,2,2-Tetrachloroethane	ug/m3	93	100	70-130
Nonane	ug/m3	71	92	70-130
Isopropylbenzene	ug/m3	66	107	70-130
2-Chlorotoluene	ug/m3	70	100	70-130
Propylbenzene	ug/m3	66	101	70-130
4-Ethyltoluene	ug/m3	66	98	70-130
m,p-Xylene	ug/m3	120	104	70-130
o-Xylene	ug/m3	59	107	70-130
Styrene	ug/m3	58	103	70-130
Bromoform	ug/m3	140	111	70-130
Benzyl chloride	ug/m3	70	110	70-130
1,3,5-Trimethylbenzene	ug/m3	66	100	70-130
1,2,4-Trimethylbenzene	ug/m3	66	98	70-130
1,3-Dichlorobenzene	ug/m3	81	110	70-130
1,4-Dichlorobenzene	ug/m3	81	104	70-130
1,2-Dichlorobenzene	ug/m3	81	107	70-130
1,2,4-Trichlorobenzene	ug/m3	100	101	70-130
Naphthalene	ug/m3	71	111	70-130
Hexachlorobutadiene	ug/m3	140	107	70-130

ENVIRONMENTAL CHEMISTS

Data Qualifiers & Definitions

- a The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.
- b The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.
- ca The calibration results for the analyte were outside of acceptance criteria. The value reported is an estimate.
- c The presence of the analyte may be due to carryover from previous sample injections.
- cf The sample was centrifuged prior to analysis.
- d The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.
- dv Insufficient sample volume was available to achieve normal reporting limits.
- f The sample was laboratory filtered prior to analysis.
- fb The analyte was detected in the method blank.
- fc The analyte is a common laboratory and field contaminant.
- hr The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.
- hs Headspace was present in the container used for analysis.
- ht The analysis was performed outside the method or client-specified holding time requirement.
- ip Recovery fell outside of control limits due to sample matrix effects.
- j The analyte concentration is reported below the lowest calibration standard. The value reported is an estimate.
- J The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.
- jl The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.
- js The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.
- lc The presence of the analyte is likely due to laboratory contamination.
- L The reported concentration was generated from a library search.
- nm The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.
- pc The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.
- ve The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.
- vo The value reported fell outside the control limits established for this analyte.
- x The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

Company ASpect Consultino Report To JEKEMY BALL Address 7102 nd Ave Saite 550 08080 SAMPLE CHAIN OF CUSTODY

City, State, ZIP SEATTLE, WA 98104

Phone (200) 790-2129 Email; (DALCOUSPELLICUS LITTING UM) SAMPLERS (signature) PROJECT NAME & ADDRESS Spicin Span recover 去 PO#

ME 08/05/21

INVOICE TO 060172 ☐ Archive (Fee may apply)

Standard 72 M/S. □ Default: Clean after 3 days Rush charges authorized by: TURNAROUND TIME SAMPLE DISPOSAL

WAR-EFF 08052024 02 3676 SAMPLE INFORMATION Sample Name 0 Hab U 20000 Canister ID Cont. Maried . Flow $^{\circ}$ SG=Soil Gas (Circle One) IA=Indoor Air Reporting IA / ľA / AI IA /(SG) IA / IA / SG IA / SG ľA / Level: SG SG SG SG SG 08 1202 1202 130 02/202/202 Sampled Date ("Hg) Initial Vac. Initial Field Time 1335 Final ("Hg) U Vac. **(**1 1721 学 Field Time Final ANALYSIS REQUESTED TO15 Full Scan TO15 BTEXN Samples received a TO15 cVOCs APH Helium 16902-ERF-08054 Vart-1-124-080521 OC Notes

FORMS\COC\COCTO-15.DOC	Fax (206) 283-5044	Ph. (206) 285-8282	Seattle, WA 98119-2029	3012 16th Avenue West	Friedman & Bruya, Inc.
Cash property and the control of the	Received by:	Relipquished by:	Received by:	Relinguished by Mich Datas	SIGNATURE
			Tames Broyer	Monique Rutte	PRINT NAME
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			818	08/00/21/7/5	DATE
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ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D. Yelena Aravkina, M.S. Michael Erdahl, B.S. Arina Podnozova, B.S. Eric Young, B.S. 3012 16th Avenue West Seattle, WA 98119-2029 (206) 285-8282 fbi@isomedia.com www.friedmanandbruya.com

September 16, 2021

Jeremy Porter, Project Manager Aspect Consulting, LLC 710 2nd Ave S, Suite 550 Seattle, WA 98104

Dear Mr Porter:

Included are the results from the testing of material submitted on September 8, 2021 from the Spic' N Span 060172, F&BI 109137 project. There are 13 pages included in this report.

We appreciate this opportunity to be of service to you and hope you will call if you have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.

Michael Erdahl Project Manager

Enclosures c: Aspect Data ASP0916R.DOC

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on September 8, 2021 by Friedman & Bruya, Inc. from the Aspect Consulting, LLC Spic' N Span 060172, F&BI 109137 project. Samples were logged in under the laboratory ID's listed below.

<u>Laboratory ID</u>	Aspect Consulting, LLC
109137 -01	VGAC-1-INF-090821
109137 -02	VGAC-1-EFF-090821

Non-petroleum compounds identified in the air phase hydrocarbon (APH) ranges were subtracted per the MA-APH method.

Several analytes in sample VGAC-1-INF-090821 exceeded the calibration range. The data were flagged accordingly.

Benzyl chloride in the TO-15 laboratory control sample exceeded the acceptance criteria. The analyte was not detected in the samples, therefore the data were acceptable.

All other quality control requirements were acceptable.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By Method MA-APH

Client Sample ID: VGAC-1-INF-090821 Client: Aspect Consulting, LLC

Date Received: 09/08/21 Project: Spic' N Span 060172, F&BI 109137

Lab ID: 109137-01 1/18 Date Collected: 09/08/21 Date Analyzed: 09/09/21 Data File: 090919.DMatrix: Instrument: GCMS7 Air Units: ug/m3 Operator: bat

Concentration

Compounds: ug/m3

APH EC5-8 aliphatics 25,000 ve APH EC9-12 aliphatics 100,000 ve APH EC9-10 aromatics 1,200

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By Method MA-APH

Client Sample ID: VGAC-1-EFF-090821 Client: Aspect Consulting, LLC

Date Received: 09/08/21 Project: Spic' N Span 060172, F&BI 109137

Lab ID: Date Collected: 09/08/21 109137-02 1/5.9 Date Analyzed: 09/09/21 Data File: 090917.DMatrix: Instrument: GCMS7 Air Units: ug/m3 Operator: bat

% Lower Upper Surrogates: Recovery: Limit: Limit: 4-Bromofluorobenzene 96 70 130

Concentration

Compounds: ug/m3

APH EC5-8 aliphatics 460 APH EC9-12 aliphatics 630 APH EC9-10 aromatics <150

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By Method MA-APH

Client Sample ID: Method Blank Client: Aspect Consulting, LLC

Date Received: Not Applicable Project: Spic' N Span 060172, F&BI 109137

Not Applicable Lab ID: $01\text{-}2016~\mathrm{MB}$ Date Collected: Date Analyzed: 09/09/21 Data File: 090911.DMatrix: Instrument: GCMS7 Air Units: ug/m3 Operator: bat

% Lower Upper Surrogates: Recovery: Limit: Limit: 4-Bromofluorobenzene 96 70 130

Concentration

Compounds: ug/m3

APH EC5-8 aliphatics <75 APH EC9-12 aliphatics <25 APH EC9-10 aromatics <25

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By Method TO-15

Client Sample ID: VGAC-1-INF-090821 Client: Aspect Consulting, LLC

Date Received: 09/08/21 Project: Spic' N Span 060172, F&BI 109137

Lab ID: Date Collected: 109137-01 1/18 09/08/21 Date Analyzed: 09/09/21 Data File: 090919.DMatrix: GCMS7Air Instrument: ug/m3 Units: Operator: bat

	Concen	tration		Conce	ntration
Compounds:	ug/m3	ppbv	Compounds:	ug/m3	ppbv
Propene	110	61	1,2-Dichloropropane	7.8	1.7
Dichlorodifluoromethane	<8.9	<1.8	1,4-Dioxane	< 6.5	<1.8
Chloromethane	<67	<32	2,2,4-Trimethylpentane	<84	<18
F-114	<13	<1.8	Methyl methacrylate	<74	<18
Vinyl chloride	14	5.5	Heptane	<74	<18
1,3-Butadiene	< 0.8	< 0.36	Bromodichloromethane	<1.2	< 0.18
Butane	<86	<36	Trichloroethene	970	180
Bromomethane	<42	<11	cis-1,3-Dichloropropene	<8.2	<1.8
Chloroethane	<47	<18	4-Methyl-2-pentanone	<74	<18
Vinyl bromide	<7.9	<1.8	trans-1,3-Dichloropropene	<8.2	<1.8
Ethanol	<140	<72	Toluene	<340	<90
Acrolein	14	6.0	1,1,2-Trichloroethane	< 0.98	< 0.18
Pentane	<53	<18	2-Hexanone	<74	<18
Trichlorofluoromethane	<40	<7.2	Tetrachloroethene	18,000 ve	
Acetone	1,500 ve	630 ve	Dibromochloromethane	<1.5	<0.18
2-Propanol	<150	<63	1,2-Dibromoethane (EDB)	<1.4	<0.18
1,1-Dichloroethene	<7.1	<1.8	Chlorobenzene	<8.3	<1.8
trans-1,2-Dichloroethene	44	11	Ethylbenzene	21	4.9
Methylene chloride	<630	<180	1,1,2,2-Tetrachloroethane	< 2.5	< 0.36
t-Butyl alcohol (TBA)	<220	<72	Nonane	<94	<18
3-Chloropropene	<28	<9	Isopropylbenzene	<44	<9
CFC-113	<14	<1.8	2-Chlorotoluene	<93	<18
Carbon disulfide	170	56	Propylbenzene	45	9.2
Methyl t-butyl ether (MTBE)		<9	4-Ethyltoluene	<44	<9
Vinyl acetate	300	85	m,p-Xylene	52	12
1,1-Dichloroethane	<7.3	<1.8	o-Xylene	20	4.7
cis-1,2-Dichloroethene	600	150	Styrene	<15	<3.6
Hexane	<63	<18	Bromoform	<37	<3.6
Chloroform	16	3.3	Benzyl chloride	< 0.93	< 0.18
Ethyl acetate	<130	<36	1,3,5-Trimethylbenzene	<44	<9
Tetrahydrofuran	68	23	1,2,4-Trimethylbenzene	76	16
2-Butanone (MEK)	230	78	1,3-Dichlorobenzene	<11	<1.8
1,2-Dichloroethane (EDC)	30	7.4	1,4-Dichlorobenzene	<4.1	< 0.68
1,1,1-Trichloroethane	<9.8	<1.8	1,2-Dichlorobenzene	<11	<1.8
Carbon tetrachloride	< 5.7	< 0.9	1,2,4-Trichlorobenzene	<13	<1.8
Benzene	32	10	Naphthalene	29	5.6
Cyclohexane	<120	<36	Hexachlorobutadiene	<3.8	< 0.36
Colonicatio	-120	-50	110Addition ob diddition	-9.0	-0.00

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By Method TO-15

Client Sample ID: VGAC-1-EFF-090821 Client: Aspect Consulting, LLC

Date Received: 09/08/21 Project: Spic' N Span 060172, F&BI 109137

Date Collected: Lab ID: 109137-02 1/5.9 09/08/21 Date Analyzed: 09/09/21 Data File: 090917.DMatrix: GCMS7Air Instrument: ug/m3 Units: Operator: bat

	Concen	tration		Concer	ntration
Compounds:	ug/m3	ppbv	Compounds:	ug/m3	ppbv
D	100	20	1 0 D: 11		.0.00
Propene	120	69	1,2-Dichloropropane	<1.4	< 0.29
Dichlorodifluoromethane	6.2	1.3	1,4-Dioxane	<2.1	< 0.59
Chloromethane	<22	<11	2,2,4-Trimethylpentane	<28	< 5.9
F-114	<4.1	< 0.59	Methyl methacrylate	<24	< 5.9
Vinyl chloride	18	6.9	Heptane	<24	< 5.9
1,3-Butadiene	< 0.26	< 0.12	Bromodichloromethane	< 0.4	< 0.059
Butane	<28	<12	Trichloroethene	< 0.63	< 0.12
Bromomethane	<14	<3.5	cis-1,3-Dichloropropene	< 2.7	< 0.59
Chloroethane	<16	< 5.9	4-Methyl-2-pentanone	<24	< 5.9
Vinyl bromide	< 2.6	< 0.59	trans-1,3-Dichloropropene	< 2.7	< 0.59
Ethanol	53	28	Toluene	<110	<29
Acrolein	0.72	0.31	1,1,2-Trichloroethane	< 0.32	< 0.059
Pentane	<17	< 5.9	2-Hexanone	<24	< 5.9
Trichlorofluoromethane	<13	< 2.4	Tetrachloroethene	<40	< 5.9
Acetone	<28	<12	Dibromochloromethane	< 0.5	< 0.059
2-Propanol	<51	<21	1,2-Dibromoethane (EDB)	< 0.45	< 0.059
1,1-Dichloroethene	< 2.3	< 0.59	Chlorobenzene	< 2.7	< 0.59
trans-1,2-Dichloroethene	< 2.3	< 0.59	Ethylbenzene	4.1	0.94
Methylene chloride	< 200	< 59	1,1,2,2-Tetrachloroethane	< 0.81	< 0.12
t-Butyl alcohol (TBA)	<72	<24	Nonane	<31	< 5.9
3-Chloropropene	< 9.2	< 2.9	Isopropylbenzene	<15	< 2.9
CFC-113	<4.5	< 0.59	2-Chlorotoluene	<31	< 5.9
Carbon disulfide	<37	<12	Propylbenzene	<15	< 2.9
Methyl t-butyl ether (MTBE)	<11	< 2.9	4-Ethyltoluene	<15	< 2.9
Vinyl acetate	<42	<12	m,p-Xylene	14	3.2
1,1-Dichloroethane	< 2.4	< 0.59	o-Xylene	5.4	1.2
cis-1,2-Dichloroethene	< 2.3	< 0.59	Styrene	<5	<1.2
Hexane	<21	< 5.9	Bromoform	<12	<1.2
Chloroform	< 0.29	< 0.059	Benzyl chloride	< 0.31	< 0.059
Ethyl acetate	<43	<12	1,3,5-Trimethylbenzene	<15	< 2.9
Tetrahydrofuran	42	14	1,2,4-Trimethylbenzene	<15	< 2.9
2-Butanone (MEK)	<17	< 5.9	1,3-Dichlorobenzene	<3.5	< 0.59
1,2-Dichloroethane (EDC)	< 0.24	< 0.059	1,4-Dichlorobenzene	<1.3	< 0.22
1,1,1-Trichloroethane	<3.2	< 0.59	1,2-Dichlorobenzene	< 3.5	< 0.59
Carbon tetrachloride	<1.9	< 0.29	1,2,4-Trichlorobenzene	<4.4	< 0.59
Benzene	<1.9	< 0.59	Naphthalene	<1.5	< 0.29
Cyclohexane	<41	<12	Hexachlorobutadiene	<1.3	< 0.12
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ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By Method TO-15

Client Sample ID: Method Blank Client: Aspect Consulting, LLC

Date Received: Not Applicable Project: Spic' N Span 060172, F&BI 109137

Lab ID: Date Collected: Not Applicable 01-2016 MB09/09/21 Date Analyzed: Data File: 090911.DMatrix: Air Instrument: GCMS7Units: ug/m3 Operator: bat

	%	Lower	Upper
Surrogates:	Recovery:	Limit:	Limit:
4-Bromofluorobenzene	94	70	130

	Concen	tration		Concer	ntration
Compounds:	ug/m3	ppbv	Compounds:	ug/m3	ppbv
Propene	<1.2	< 0.7	1,2-Dichloropropane	< 0.23	< 0.05
Dichlorodifluoromethane	< 0.49	< 0.1	1,4-Dioxane	< 0.36	< 0.1
Chloromethane	<3.7	<1.8	2,2,4-Trimethylpentane	<4.7	<1
F-114	< 0.7	< 0.1	Methyl methacrylate	<4.1	<1
Vinyl chloride	< 0.26	< 0.1	Heptane	<4.1	<1
1,3-Butadiene	< 0.044	< 0.02	Bromodichloromethane	< 0.067	< 0.01
Butane	<4.8	<2	Trichloroethene	< 0.11	< 0.02
Bromomethane	< 2.3	< 0.6	cis-1,3-Dichloropropene	< 0.45	< 0.1
Chloroethane	< 2.6	<1	4-Methyl-2-pentanone	<4.1	<1
Vinyl bromide	< 0.44	< 0.1	trans-1,3-Dichloropropene	< 0.45	< 0.1
Ethanol	< 7.5	<4	Toluene	<19	<5
Acrolein	< 0.11	< 0.05	1,1,2-Trichloroethane	< 0.055	< 0.01
Pentane	<3	<1	2-Hexanone	<4.1	<1
Trichlorofluoromethane	< 2.2	< 0.4	Tetrachloroethene	<6.8	<1
Acetone	<4.8	<2	Dibromochloromethane	< 0.085	< 0.01
2-Propanol	<8.6	< 3.5	1,2-Dibromoethane (EDB)	< 0.077	< 0.01
1,1-Dichloroethene	< 0.4	< 0.1	Chlorobenzene	< 0.46	< 0.1
trans-1,2-Dichloroethene	< 0.4	< 0.1	Ethylbenzene	< 0.43	< 0.1
Methylene chloride	<35	<10	1,1,2,2-Tetrachloroethane	< 0.14	< 0.02
t-Butyl alcohol (TBA)	<12	<4	Nonane	< 5.2	<1
3-Chloropropene	<1.6	< 0.5	Isopropylbenzene	< 2.5	< 0.5
CFC-113	< 0.77	< 0.1	2-Chlorotoluene	< 5.2	<1
Carbon disulfide	< 6.2	<2	Propylbenzene	< 2.5	< 0.5
Methyl t-butyl ether (MTBE)	<1.8	< 0.5	4-Ethyltoluene	< 2.5	< 0.5
Vinyl acetate	<7	<2	m,p-Xylene	< 0.87	< 0.2
1,1-Dichloroethane	< 0.4	< 0.1	o-Xylene	< 0.43	< 0.1
cis-1,2-Dichloroethene	< 0.4	< 0.1	Styrene	< 0.85	< 0.2
Hexane	< 3.5	<1	Bromoform	< 2.1	< 0.2
Chloroform	< 0.049	< 0.01	Benzyl chloride	< 0.052	< 0.01
Ethyl acetate	< 7.2	<2	1,3,5-Trimethylbenzene	< 2.5	< 0.5
Tetrahydrofuran	< 0.59	< 0.2	1,2,4-Trimethylbenzene	< 2.5	< 0.5
2-Butanone (MEK)	< 2.9	<1	1,3-Dichlorobenzene	< 0.6	< 0.1
1,2-Dichloroethane (EDC)	< 0.04	< 0.01	1,4-Dichlorobenzene	< 0.23	< 0.038
1,1,1-Trichloroethane	< 0.55	< 0.1	1,2-Dichlorobenzene	< 0.6	< 0.1
Carbon tetrachloride	< 0.31	< 0.05	1,2,4-Trichlorobenzene	< 0.74	< 0.1
Benzene	< 0.32	< 0.1	Naphthalene	< 0.26	< 0.05
Cyclohexane	< 6.9	<2	Hexachlorobutadiene	< 0.21	< 0.02
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ENVIRONMENTAL CHEMISTS

Date of Report: 09/16/21 Date Received: 09/08/21

Project: Spic' N Span 060172, F&BI 109137

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF AIR SAMPLES FOR VOLATILES BY METHOD MA-APH

Laboratory Code: 109137-02 1/5.9 (Duplicate)

	Reporting	Sample	Duplicate	RPD
Analyte	Units	Result	Result	(Limit 30)
APH EC5-8 aliphatics	ug/m3	460	510	10
APH EC9-12 aliphatics	ug/m3	630	650	3
APH EC9-10 aromatics	ug/m3	<150	<150	nm

Laboratory Code: Laboratory Control Sample

			Percent	
	Reporting	Spike	Recovery	Acceptance
Analyte	Units	Level	LCS	Criteria
APH EC5-8 aliphatics	ug/m3	67	94	70-130
APH EC9-12 aliphatics	ug/m3	67	125	70-130
APH EC9-10 aromatics	ug/m3	67	106	70-130

ENVIRONMENTAL CHEMISTS

Date of Report: 09/16/21 Date Received: 09/08/21

Project: Spic' N Span 060172, F&BI 109137

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF AIR SAMPLES FOR VOLATILES BY METHOD TO-15

Laboratory Code: 109137-02 1/5.9 (Duplicate)

	Reporting	Sample	Duplicate	RPD
Analyte	Units	Result	Result	(Limit 30)
Propene	ug/m3	120	130	8
Dichlorodifluoromethane	ug/m3	6.2	5.3	16
Chloromethane	ug/m3	<22	<22	nm
F-114	ug/m3	<4.1	<4.1	nm
Vinyl chloride	ug/m3	18	17	6
1,3-Butadiene	ug/m3	< 0.26	< 0.26	nm
Butane	ug/m3	<28	<28	nm
Bromomethane	ug/m3	<14	<14	nm
Chloroethane	ug/m3	<16	<16	nm
Vinyl bromide	ug/m3	< 2.6	< 2.6	nm
Ethanol	ug/m3	53	<44	nm
Acrolein	ug/m3	0.72	< 0.68	nm
Pentane	ug/m3	<17	<17	nm
Trichlorofluoromethane	ug/m3	<13	<13	nm
Acetone	ug/m3	<28	<28	nm
2-Propanol	ug/m3	<51	<51	nm
1,1-Dichloroethene	ug/m3	< 2.3	< 2.3	nm
trans-1,2-Dichloroethene	ug/m3	< 2.3	< 2.3	nm
Methylene chloride	ug/m3	<200	<200	nm
t-Butyl alcohol (TBA)	ug/m3	<72	<72	nm
3-Chloropropene	ug/m3	< 9.2	< 9.2	nm
CFC-113	ug/m3	<4.5	<4.5	nm
Carbon disulfide	ug/m3	<37	<37	nm
Methyl t-butyl ether (MTBE)	ug/m3	<11	<11	nm
Vinyl acetate	ug/m3	<42	<42	nm
1,1-Dichloroethane	ug/m3	< 2.4	< 2.4	nm
cis-1,2-Dichloroethene	ug/m3	< 2.3	< 2.3	nm
Hexane	ug/m3	<21	<21	nm
Chloroform	ug/m3	< 0.29	< 0.29	nm
Ethyl acetate	ug/m3	<43	<43	nm
Tetrahydrofuran	ug/m3	42	41	2
2-Butanone (MEK)	ug/m3	<17	<17	nm
1,2-Dichloroethane (EDC)	ug/m3	< 0.24	< 0.24	nm
1,1,1-Trichloroethane	ug/m3	<3.2	<3.2	nm
Carbon tetrachloride	ug/m3	<1.9	<1.9	nm
Benzene	ug/m3	<1.9	<1.9	nm
Cyclohexane	ug/m3	<41	<41	nm
1,2-Dichloropropane	ug/m3	<1.4	<1.4	nm
1,4-Dioxane	ug/m3	<2.1	<2.1	nm
2,2,4-Trimethylpentane	ug/m3	<28	<28	nm

ENVIRONMENTAL CHEMISTS

Date of Report: 09/16/21 Date Received: 09/08/21

Project: Spic' N Span 060172, F&BI 109137

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF AIR SAMPLES FOR VOLATILES BY METHOD TO-15

Laboratory Code: 109137-02 1/5.9 (Duplicate, continued)

	Reporting	Sample	Duplicate	RPD
Analyte	Units	Result	Result	(Limit 30)
Methyl methacrylate	ug/m3	<24	<24	nm
Heptane	ug/m3	<24	<24	nm
Bromodichloromethane	ug/m3	< 0.4	< 0.4	nm
Trichloroethene	ug/m3	< 0.63	< 0.63	nm
cis-1,3-Dichloropropene	ug/m3	< 2.7	< 2.7	nm
4-Methyl-2-pentanone	ug/m3	<24	<24	nm
trans-1,3-Dichloropropene	ug/m3	< 2.7	<2.7	nm
Toluene	ug/m3	<110	<110	nm
1,1,2-Trichloroethane	ug/m3	< 0.32	< 0.32	nm
2-Hexanone	ug/m3	<24	<24	nm
Tetrachloroethene	ug/m3	<40	<40	nm
Dibromochloromethane	ug/m3	< 0.5	< 0.5	nm
1,2-Dibromoethane (EDB)	ug/m3	< 0.45	< 0.45	nm
Chlorobenzene	ug/m3	< 2.7	< 2.7	nm
Ethylbenzene	ug/m3	4.1	4.1	0
1,1,2,2-Tetrachloroethane	ug/m3	< 0.81	< 0.81	nm
Nonane	ug/m3	<31	<31	nm
Isopropylbenzene	ug/m3	<15	<15	nm
2-Chlorotoluene	ug/m3	<31	<31	nm
Propylbenzene	ug/m3	<15	<15	nm
4-Ethyltoluene	ug/m3	<15	<15	nm
m,p-Xylene	ug/m3	14	14	0
o-Xylene	ug/m3	5.4	5.5	2
Styrene	ug/m3	<5	<5	nm
Bromoform	ug/m3	<12	<12	nm
Benzyl chloride	ug/m3	< 0.31	< 0.31	nm
1,3,5-Trimethylbenzene	ug/m3	<15	<15	nm
1,2,4-Trimethylbenzene	ug/m3	<15	<15	nm
1,3-Dichlorobenzene	ug/m3	< 3.5	< 3.5	nm
1,4-Dichlorobenzene	ug/m3	<1.3	<1.3	nm
1,2-Dichlorobenzene	ug/m3	< 3.5	< 3.5	nm
1,2,4-Trichlorobenzene	ug/m3	<4.4	<4.4	nm
Naphthalene	ug/m3	<1.5	<1.5	nm
Hexachlorobutadiene	ug/m3	<1.3	<1.3	nm

ENVIRONMENTAL CHEMISTS

Date of Report: 09/16/21 Date Received: 09/08/21

Project: Spic' N Span 060172, F&BI 109137

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF AIR SAMPLES FOR VOLATILES BY METHOD TO-15

Laboratory Code: Laboratory Control Sample

	1		Percent	
	Reporting	Spike	Recovery	Acceptance
Analyte	Units	Level	LCS	Criteria
Propene	ug/m3	23	116	70-130
Dichlorodifluoromethane	ug/m3	67	106	70-130
Chloromethane	ug/m3	28	109	70-130
F-114	ug/m3	94	103	70-130
Vinyl chloride	ug/m3	35	104	70-130
1,3-Butadiene	ug/m3	30	105	70-130
Butane	ug/m3	32	98	70-130
Bromomethane	ug/m3	52	129	70-130
Chloroethane	ug/m3	36	107	70-130
Vinyl bromide	ug/m3	59	115	70-130
Ethanol	ug/m3	25	100	70-130
Acrolein	ug/m3	31	102	70-130
Pentane	ug/m3	40	99	70-130
Trichlorofluoromethane	ug/m3	76	106	70-130
Acetone	ug/m3	32	110	70-130
2-Propanol	ug/m3	33	113	70-130
1,1-Dichloroethene	ug/m3	54	104	70-130
trans-1,2-Dichloroethene	ug/m3	54	105	70-130
Methylene chloride	ug/m3	94	96	70-130
t-Butyl alcohol (TBA)	ug/m3	41	109	70-130
3-Chloropropene	ug/m3	42	106	70-130
CFC-113	ug/m3	100	109	70-130
Carbon disulfide	ug/m3	42	100	70-130
Methyl t-butyl ether (MTBE)	ug/m3	49	108	70-130
Vinyl acetate	ug/m3	48	128	70 - 130
1,1-Dichloroethane	ug/m3	55	109	70-130
cis-1,2-Dichloroethene	ug/m3	54	104	70-130
Hexane	ug/m3	48	103	70-130
Chloroform	ug/m3	66	104	70-130
Ethyl acetate	ug/m3	49	115	70-130
Tetrahydrofuran	ug/m3	40	100	70-130
2-Butanone (MEK)	ug/m3	40	104	70-130
1,2-Dichloroethane (EDC)	ug/m3	55	104	70-130
1,1,1-Trichloroethane	ug/m3	74	114	70-130
Carbon tetrachloride	ug/m3	85	115	70-130
Benzene	ug/m3	43	102	70-130
Cyclohexane	ug/m3	46	99	70-130
1,2-Dichloropropane	ug/m3	62	111	70-130
1,4-Dioxane	ug/m3	49	106	70-130
2,2,4-Trimethylpentane	ug/m3	63	108	70-130

ENVIRONMENTAL CHEMISTS

Date of Report: 09/16/21 Date Received: 09/08/21

Project: Spic' N Span 060172, F&BI 109137

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF AIR SAMPLES FOR VOLATILES BY METHOD TO-15

Laboratory Code: Laboratory Control Sample (Continued)

	Percent			
	Reporting	Spike	Recovery	Acceptance
Analyte	Units	Level	LCS	Criteria
Methyl methacrylate	ug/m3	55	121	70-130
Heptane	ug/m3	55	107	70-130
Bromodichloromethane	ug/m3	90	112	70-130
Trichloroethene	ug/m3	73	105	70-130
cis-1,3-Dichloropropene	ug/m3	61	117	70-130
4-Methyl-2-pentanone	ug/m3	55	122	70-130
trans-1,3-Dichloropropene	ug/m3	61	122	70-130
Toluene	ug/m3	51	106	70-130
1,1,2-Trichloroethane	ug/m3	74	112	70-130
2-Hexanone	ug/m3	55	121	70-130
Tetrachloroethene	ug/m3	92	112	70-130
Dibromochloromethane	ug/m3	120	116	70-130
1,2-Dibromoethane (EDB)	ug/m3	100	112	70-130
Chlorobenzene	ug/m3	62	107	70-130
Ethylbenzene	ug/m3	59	99	70-130
1,1,2,2-Tetrachloroethane	ug/m3	93	107	70-130
Nonane	ug/m3	71	105	70-130
Isopropylbenzene	ug/m3	66	104	70-130
2-Chlorotoluene	ug/m3	70	103	70-130
Propylbenzene	ug/m3	66	106	70-130
4-Ethyltoluene	ug/m3	66	105	70-130
m,p-Xylene	ug/m3	120	102	70-130
o-Xylene	ug/m3	59	102	70-130
Styrene	ug/m3	58	102	70-130
Bromoform	ug/m3	140	121	70-130
Benzyl chloride	ug/m3	70	143 vo	70-130
1,3,5-Trimethylbenzene	ug/m3	66	103	70-130
1,2,4-Trimethylbenzene	ug/m3	66	101	70-130
1,3-Dichlorobenzene	ug/m3	81	105	70-130
1,4-Dichlorobenzene	ug/m3	81	104	70-130
1,2-Dichlorobenzene	ug/m3	81	104	70-130
1,2,4-Trichlorobenzene	ug/m3	100	101	70-130
Naphthalene	ug/m3	71	91	70-130
Hexachlorobutadiene	ug/m3	140	107	70-130

ENVIRONMENTAL CHEMISTS

Data Qualifiers & Definitions

- a The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.
- b The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.
- ca The calibration results for the analyte were outside of acceptance criteria. The value reported is an estimate.
- c The presence of the analyte may be due to carryover from previous sample injections.
- cf The sample was centrifuged prior to analysis.
- d The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.
- dv Insufficient sample volume was available to achieve normal reporting limits.
- f The sample was laboratory filtered prior to analysis.
- fb The analyte was detected in the method blank.
- fc The analyte is a common laboratory and field contaminant.
- hr The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.
- hs Headspace was present in the container used for analysis.
- ht The analysis was performed outside the method or client-specified holding time requirement.
- ip Recovery fell outside of control limits due to sample matrix effects.
- j The analyte concentration is reported below the lowest calibration standard. The value reported is an estimate.
- J The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.
- jl The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.
- js The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.
- lc The presence of the analyte is likely due to laboratory contamination.
- L The reported concentration was generated from a library search.
- nm The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.
- pc The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.
- ve The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.
- vo The value reported fell outside the control limits established for this analyte.
- x The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

APH

Helium

Notes

Standard

TURNAROUND TIME

Rush charges authorized by:

SAMPLE DISPOSAL

□ Default: Clean after 3 days ☐ Archive (Fee may apply)

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ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D. Yelena Aravkina, M.S. Michael Erdahl, B.S. Arina Podnozova, B.S. Eric Young, B.S. 3012 16th Avenue West Seattle, WA 98119-2029 (206) 285-8282 fbi@isomedia.com www.friedmanandbruya.com

December 6, 2021

Jeremy Porter, Project Manager Aspect Consulting, LLC 710 2nd Ave S, Suite 550 Seattle, WA 98104

Dear Mr Porter:

Included are the results from the testing of material submitted on November 19, 2021 from the Spic n Span 060172, F&BI 111360 project. There are 13 pages included in this report.

We appreciate this opportunity to be of service to you and hope you will call if you have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.

Michael Erdahl Project Manager

Enclosures c: Aspect Data ASP1206R.DOC

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on November 19, 2021 by Friedman & Bruya, Inc. from the Aspect Consulting, LLC Spic n Span 060172, F&BI 111360 project. Samples were logged in under the laboratory ID's listed below.

<u>Laboratory ID</u>	Aspect Consulting, LLC
111360 -01	VGAC-EFF-111621
111360 -02	VGAC-INF-111621

Non-petroleum compounds identified in the air phase hydrocarbon (APH) ranges were subtracted per the MA-APH method.

Several TO-15 and APH analytes exceeded the calibration range. The data were qualified accordingly.

All quality control requirements were acceptable.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By Method MA-APH

Client Sample ID: VGAC-EFF-111621 Client: Aspect Consulting, LLC

Date Received: 11/19/21 Project: Spic n Span 060172, F&BI 111360

Lab ID: 111360-01 1/5.5 Date Collected: 11/16/21 Date Analyzed: 11/22/21 Data File: 112214.DMatrix: Instrument: GCMS7 Air Units: ug/m3 Operator: bat

% Lower Upper Surrogates: Recovery: Limit: Limit: 4-Bromofluorobenzene 78 70 130

Concentration

Compounds: ug/m3

APH EC5-8 aliphatics 500 APH EC9-12 aliphatics <140 APH EC9-10 aromatics <140

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By Method MA-APH

Client Sample ID: VGAC-INF-111621 Client: Aspect Consulting, LLC

Date Received: 11/19/21 Project: Spic n Span 060172, F&BI 111360

Lab ID: Date Collected: 11/16/21 111360-02 1/8.2 Date Analyzed: 11/22/21 Data File: $112215.\mathrm{D}$ Matrix: Instrument: GCMS7 Air Units: ug/m3 Operator: bat

% Lower Upper Surrogates: Recovery: Limit: Limit: 4-Bromofluorobenzene 94 70 130

Concentration

Compounds: ug/m3

APH EC5-8 aliphatics 6,600 ve APH EC9-12 aliphatics 50,000 ve APH EC9-10 aromatics 1,000

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By Method MA-APH

Client Sample ID: Method Blank Client: Aspect Consulting, LLC

Date Received: Not Applicable Project: Spic n Span 060172, F&BI 111360

Date Collected: 11/22/21 Lab ID: 01-2595 MBDate Analyzed: 11/22/21 Data File: 112212.DMatrix: Air Instrument: GCMS7 Units: ug/m3 Operator: bat

% Lower Upper Limit: Surrogates: Recovery: Limit:

4-Bromofluorobenzene 81 70 130

Concentration

Compounds: ug/m3

APH EC5-8 aliphatics <75 APH EC9-12 aliphatics <25 APH EC9-10 aromatics <25

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By Method TO-15

Client Sample ID: VGAC-EFF-111621 Client: Aspect Consulting, LLC

Date Received: 11/19/21 Project: Spic n Span 060172, F&BI 111360

Lab ID: Date Collected: 11/16/21 111360-01 1/5.5 Date Analyzed: 11/22/21 Data File: 112214.DMatrix: GCMS7Air Instrument: ug/m3 Units: Operator: bat

	Concen	tration		Concer	itration
Compounds:	ug/m3	ppbv	Compounds:	ug/m3	ppbv
D	0.1	~ 0	1 0 D: 11	.1.0	.0.00
Propene	91	53	1,2-Dichloropropane	<1.3	< 0.28
Dichlorodifluoromethane	3.4	0.69	1,4-Dioxane	<2	< 0.55
Chloromethane	<20	<9.9	2,2,4-Trimethylpentane	<26	< 5.5
F-114	<3.8	< 0.55	Methyl methacrylate	<23	< 5.5
Vinyl chloride	1.6	0.62	Heptane	<23	< 5.5
1,3-Butadiene	< 0.24	< 0.11	Bromodichloromethane	< 0.37	< 0.055
Butane	52	22	Trichloroethene	< 0.59	< 0.11
Bromomethane	<13	<3.3	cis-1,3-Dichloropropene	< 2.5	< 0.55
Chloroethane	<15	< 5.5	4-Methyl-2-pentanone	<23	< 5.5
Vinyl bromide	< 2.4	< 0.55	trans-1,3-Dichloropropene	< 2.5	< 0.55
Ethanol	290 ve	160 ve	Toluene	<100	<27
Acrolein	< 0.63	< 0.28	1,1,2-Trichloroethane	< 0.3	< 0.055
Pentane	<16	< 5.5	2-Hexanone	<23	< 5.5
Trichlorofluoromethane	<12	< 2.2	Tetrachloroethene	40	5.9
Acetone	520 ve	220 ve	Dibromochloromethane	< 0.47	< 0.055
2-Propanol	<47	<19	1,2-Dibromoethane (EDB)	< 0.42	< 0.055
1,1-Dichloroethene	< 2.2	< 0.55	Chlorobenzene	< 2.5	< 0.55
trans-1,2-Dichloroethene	< 2.2	< 0.55	Ethylbenzene	< 2.4	< 0.55
Methylene chloride	<190	<55	1,1,2,2-Tetrachloroethane	< 0.76	< 0.11
t-Butyl alcohol (TBA)	<67	<22	Nonane	<29	< 5.5
3-Chloropropene	<8.6	< 2.7	Isopropylbenzene	<14	< 2.7
CFC-113	<4.2	< 0.55	2-Chlorotoluene	<28	< 5.5
Carbon disulfide	40	13	Propylbenzene	<14	< 2.7
Methyl t-butyl ether (MTBE)	< 9.9	< 2.7	4-Ethyltoluene	<14	< 2.7
Vinyl acetate	<39	<11	m,p-Xylene	<4.8	<1.1
1,1-Dichloroethane	< 2.2	< 0.55	o-Xylene	< 2.4	< 0.55
cis-1,2-Dichloroethene	<2.2	< 0.55	Styrene	<4.7	<1.1
Hexane	<19	< 5.5	Bromoform	<11	<1.1
Chloroform	< 0.27	< 0.055	Benzyl chloride	< 0.28	< 0.055
Ethyl acetate	<40	<11	1,3,5-Trimethylbenzene	<14	<2.7
Tetrahydrofuran	<3.2	<1.1	1,2,4-Trimethylbenzene	<14	<2.7
2-Butanone (MEK)	<16	< 5.5	1,3-Dichlorobenzene	<3.3	< 0.55
1,2-Dichloroethane (EDC)	< 0.22	< 0.055	1,4-Dichlorobenzene	<1.3	< 0.21
1,1,1-Trichloroethane	<3	< 0.55	1,2-Dichlorobenzene	<3.3	< 0.55
Carbon tetrachloride	<1.7	< 0.28	1,2,4-Trichlorobenzene	<4.1	< 0.55
Benzene	<1.8	< 0.55	Naphthalene	<1.4	< 0.28
Cyclohexane	<38	<11	Hexachlorobutadiene	<1.4	<0.20
Cyclonexame	~50	\11	Hexacinorodutamene	~1.2	~ 0.11

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By Method TO-15

Client Sample ID: VGAC-INF-111621 Client: Aspect Consulting, LLC

Date Received: 11/19/21 Project: Spic n Span 060172, F&BI 111360

Lab ID: Date Collected: 11/16/21 111360-02 1/8.2 Date Analyzed: 11/22/21Data File: 112215.DMatrix: GCMS7Air Instrument: ug/m3 Units: Operator: bat

	Concer	ntration		Concer	ntration
Compounds:	ug/m3	ppbv	Compounds:	ug/m3	ppbv
D		4.4	1 0 D: 11	-1.0	-0.41
Propene	75	44	1,2-Dichloropropane	<1.9	< 0.41
Dichlorodifluoromethane	<4.1	< 0.82	1,4-Dioxane	<3	< 0.82
Chloromethane	<30	<15	2,2,4-Trimethylpentane	<38	<8.2
F-114	< 5.7	< 0.82	Methyl methacrylate	<34	<8.2
Vinyl chloride	<2.1	< 0.82	Heptane	<34	<8.2
1,3-Butadiene	< 0.36	< 0.16	Bromodichloromethane	< 0.55	< 0.082
Butane	<39	<16	Trichloroethene	190	36
Bromomethane	<19	<4.9	cis-1,3-Dichloropropene	<3.7	< 0.82
Chloroethane	<22	<8.2	4-Methyl-2-pentanone	<34	<8.2
Vinyl bromide	<3.6	< 0.82	trans-1,3-Dichloropropene	<3.7	< 0.82
Ethanol	210	110	Toluene	<150	<41
Acrolein	38	17	1,1,2-Trichloroethane	0.45	0.082
Pentane	39	13	2-Hexanone	<34	<8.2
Trichlorofluoromethane	<18	<3.3	Tetrachloroethene	1,800 ve	270 ve
Acetone	5,300 ve	2,200 ve	Dibromochloromethane	< 0.7	< 0.082
2-Propanol	<71	<29	1,2-Dibromoethane (EDB)	< 0.63	< 0.082
1,1-Dichloroethene	<3.3	< 0.82	Chlorobenzene	<3.8	< 0.82
trans-1,2-Dichloroethene	8.0	2.0	Ethylbenzene	26	5.9
Methylene chloride	<280	<82	1,1,2,2-Tetrachloroethane	<1.1	< 0.16
t-Butyl alcohol (TBA)	<99	<33	Nonane	<43	<8.2
3-Chloropropene	<13	<4.1	Isopropylbenzene	<20	<4.1
CFC-113	< 6.3	< 0.82	2-Chlorotoluene	<42	<8.2
Carbon disulfide	93	30	Propylbenzene	33	6.7
Methyl t-butyl ether (MTBE)	<15	<4.1	4-Ethyltoluene	29	6.0
Vinyl acetate	810 ve	230 ve	m,p-Xylene	64	15
1,1-Dichloroethane	<3.3	< 0.82	o-Xylene	23	5.2
cis-1,2-Dichloroethene	97	25	Styrene	<7	<1.6
Hexane	<29	<8.2	Bromoform	<17	<1.6
Chloroform	13	2.6	Benzyl chloride	< 0.42	< 0.082
Ethyl acetate	< 59	<16	1,3,5-Trimethylbenzene	23	4.8
Tetrahydrofuran	7.2	2.4	1,2,4-Trimethylbenzene	97	20
2-Butanone (MEK)	990 ve	340 ve	1,3-Dichlorobenzene	<4.9	< 0.82
1,2-Dichloroethane (EDC)	6.4	1.6	1,4-Dichlorobenzene	3.4	0.56
1,1,1-Trichloroethane	<4.5	< 0.82	1,2-Dichlorobenzene	7.0	1.2
Carbon tetrachloride	< 2.6	< 0.41	1,2,4-Trichlorobenzene	<6.1	< 0.82
Benzene	45	14	Naphthalene	480	92
Cyclohexane	< 56	<16	Hexachlorobutadiene	<1.7	< 0.16
- /		-0			3.13

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By Method TO-15

Client Sample ID: Method Blank Client: Aspect Consulting, LLC

Date Received: Not Applicable Project: Spic n Span 060172, F&BI 111360

Lab ID: Date Collected: 11/22/21 01-2595 MBDate Analyzed: 11/22/21Data File: 112212.DMatrix: Air Instrument: GCMS7Units: ug/m3 Operator: bat

	%	Lower	$_{ m Upper}$
Surrogates:	Recovery:	Limit:	Limit:
4-Bromofluorobenzene	88	70	130

	Concen	tration		Concer	ntration
Compounds:	ug/m3	ppbv	Compounds:	ug/m3	ppbv
Propene	<1.2	< 0.7	1,2-Dichloropropane	< 0.23	< 0.05
Dichlorodifluoromethane	< 0.49	< 0.1	1,4-Dioxane	< 0.36	< 0.1
Chloromethane	<3.7	<1.8	2,2,4-Trimethylpentane	<4.7	<1
F-114	< 0.7	< 0.1	Methyl methacrylate	<4.1	<1
Vinyl chloride	< 0.26	< 0.1	Heptane	<4.1	<1
1,3-Butadiene	< 0.044	< 0.02	Bromodichloromethane	< 0.067	< 0.01
Butane	<4.8	<2	Trichloroethene	< 0.11	< 0.02
Bromomethane	< 2.3	< 0.6	cis-1,3-Dichloropropene	< 0.45	< 0.1
Chloroethane	< 2.6	<1	4-Methyl-2-pentanone	<4.1	<1
Vinyl bromide	< 0.44	< 0.1	trans-1,3-Dichloropropene	< 0.45	< 0.1
Ethanol	< 7.5	<4	Toluene	<19	<5
Acrolein	< 0.11	< 0.05	1,1,2-Trichloroethane	< 0.055	< 0.01
Pentane	<3	<1	2-Hexanone	<4.1	<1
Trichlorofluoromethane	< 2.2	< 0.4	Tetrachloroethene	<6.8	<1
Acetone	<4.8	<2	Dibromochloromethane	< 0.085	< 0.01
2-Propanol	<8.6	< 3.5	1,2-Dibromoethane (EDB)	< 0.077	< 0.01
1,1-Dichloroethene	< 0.4	< 0.1	Chlorobenzene	< 0.46	< 0.1
trans-1,2-Dichloroethene	< 0.4	< 0.1	Ethylbenzene	< 0.43	< 0.1
Methylene chloride	<35	<10	1,1,2,2-Tetrachloroethane	< 0.14	< 0.02
t-Butyl alcohol (TBA)	<12	<4	Nonane	< 5.2	<1
3-Chloropropene	<1.6	< 0.5	Isopropylbenzene	< 2.5	< 0.5
CFC-113	< 0.77	< 0.1	2-Chlorotoluene	< 5.2	<1
Carbon disulfide	< 6.2	<2	Propylbenzene	< 2.5	< 0.5
Methyl t-butyl ether (MTBE)	<1.8	< 0.5	4-Ethyltoluene	< 2.5	< 0.5
Vinyl acetate	<7	<2	m,p-Xylene	< 0.87	< 0.2
1,1-Dichloroethane	< 0.4	< 0.1	o-Xylene	< 0.43	< 0.1
cis-1,2-Dichloroethene	< 0.4	< 0.1	Styrene	< 0.85	< 0.2
Hexane	< 3.5	<1	Bromoform	< 2.1	< 0.2
Chloroform	< 0.049	< 0.01	Benzyl chloride	< 0.052	< 0.01
Ethyl acetate	< 7.2	<2	1,3,5-Trimethylbenzene	< 2.5	< 0.5
Tetrahydrofuran	< 0.59	< 0.2	1,2,4-Trimethylbenzene	< 2.5	< 0.5
2-Butanone (MEK)	< 2.9	<1	1,3-Dichlorobenzene	< 0.6	< 0.1
1,2-Dichloroethane (EDC)	< 0.04	< 0.01	1,4-Dichlorobenzene	< 0.23	< 0.038
1,1,1-Trichloroethane	< 0.55	< 0.1	1,2-Dichlorobenzene	< 0.6	< 0.1
Carbon tetrachloride	< 0.31	< 0.05	1,2,4-Trichlorobenzene	< 0.74	< 0.1
Benzene	< 0.32	< 0.1	Naphthalene	< 0.26	< 0.05
Cyclohexane	< 6.9	<2	Hexachlorobutadiene	< 0.21	< 0.02
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ENVIRONMENTAL CHEMISTS

Date of Report: 12/06/21 Date Received: 11/19/21

Project: Spic n Span 060172, F&BI 111360

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF AIR SAMPLES FOR VOLATILES BY METHOD MA-APH

Laboratory Code: 111360-01 1/5.5 (Duplicate)

	Reporting	Sample	Duplicate	RPD
Analyte	Units	Result	Result	(Limit 30)
APH EC5-8 aliphatics	ug/m3	500	530	6
APH EC9-12 aliphatics	ug/m3	<140	<140	nm
APH EC9-10 aromatics	ug/m3	<140	<140	nm

Laboratory Code: Laboratory Control Sample

			Percent	
	Reporting	Spike	Recovery	Acceptance
Analyte	Units	Level	LCS	Criteria
APH EC5-8 aliphatics	ug/m3	67	93	70-130
APH EC9-12 aliphatics	ug/m3	67	106	70-130
APH EC9-10 aromatics	ug/m3	67	87	70-130

ENVIRONMENTAL CHEMISTS

Date of Report: 12/06/21 Date Received: 11/19/21

Project: Spic n Span 060172, F&BI 111360

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF AIR SAMPLES FOR VOLATILES BY METHOD TO-15

Laboratory Code: 111360-01 1/5.5 (Duplicate)

	Reporting	Sample	Duplicate	RPD
Analyte	Units	Result	Result	(Limit 30)
Propene	ug/m3	91	84	8
Dichlorodifluoromethane	ug/m3	3.4	3.5	3
Chloromethane	ug/m3	<20	<20	nm
F-114	ug/m3	<3.8	<3.8	nm
Vinyl chloride	ug/m3	1.6	1.6	0
1,3-Butadiene	ug/m3	< 0.24	< 0.24	nm
Butane	ug/m3	52	52	0
Bromomethane	ug/m3	<13	<13	nm
Chloroethane	ug/m3	<15	<15	nm
Vinyl bromide	ug/m3	< 2.4	< 2.4	nm
Ethanol	ug/m3	290	280	4
Acrolein	ug/m3	< 0.63	< 0.63	nm
Pentane	ug/m3	<16	<16	nm
Trichlorofluoromethane	ug/m3	<12	<12	nm
Acetone	ug/m3	520	540	4
2-Propanol	ug/m3	<47	<47	nm
1,1-Dichloroethene	ug/m3	< 2.2	< 2.2	nm
trans-1,2-Dichloroethene	ug/m3	< 2.2	< 2.2	nm
Methylene chloride	ug/m3	<190	<190	nm
t-Butyl alcohol (TBA)	ug/m3	<67	<67	nm
3-Chloropropene	ug/m3	<8.6	<8.6	nm
CFC-113	ug/m3	<4.2	<4.2	nm
Carbon disulfide	ug/m3	40	42	5
Methyl t-butyl ether (MTBE)	ug/m3	<9.9	<9.9	nm
Vinyl acetate	ug/m3	<39	<39	nm
1,1-Dichloroethane	ug/m3	< 2.2	< 2.2	nm
cis-1,2-Dichloroethene	ug/m3	< 2.2	< 2.2	nm
Hexane	ug/m3	<19	<19	nm
Chloroform	ug/m3	< 0.27	< 0.27	nm
Ethyl acetate	ug/m3	<40	<40	nm
Tetrahydrofuran	ug/m3	<3.2	< 3.2	nm
2-Butanone (MEK)	ug/m3	<16	<16	nm
1,2-Dichloroethane (EDC)	ug/m3	< 0.22	< 0.22	nm
1,1,1-Trichloroethane	ug/m3	<3	<3	nm
Carbon tetrachloride	ug/m3	<1.7	<1.7	nm
Benzene	ug/m3	<1.8	<1.8	nm
Cyclohexane	ug/m3	<38	<38	nm
1,2-Dichloropropane	ug/m3	<1.3	<1.3	nm
1,4-Dioxane	ug/m3	<2	<2	nm
2,2,4-Trimethylpentane	ug/m3	<26	<26	nm

ENVIRONMENTAL CHEMISTS

Date of Report: 12/06/21 Date Received: 11/19/21

Project: Spic n Span 060172, F&BI 111360

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF AIR SAMPLES FOR VOLATILES BY METHOD TO-15

Laboratory Code: 111360-01 1/5.5 (Duplicate, continued)

	Reporting	Sample	Duplicate	RPD
Analyte	Units	Result	Result	(Limit 30)
Methyl methacrylate	ug/m3	<23	<23	nm
Heptane	ug/m3	<23	<23	nm
Bromodichloromethane	ug/m3	< 0.37	< 0.37	nm
Trichloroethene	ug/m3	< 0.59	< 0.59	nm
cis-1,3-Dichloropropene	ug/m3	< 2.5	< 2.5	nm
4-Methyl-2-pentanone	ug/m3	<23	<23	nm
trans-1,3-Dichloropropene	ug/m3	< 2.5	< 2.5	nm
Toluene	ug/m3	<100	<100	nm
1,1,2-Trichloroethane	ug/m3	< 0.3	< 0.3	nm
2-Hexanone	ug/m3	<23	<23	nm
Tetrachloroethene	ug/m3	40	41	2
Dibromochloromethane	ug/m3	< 0.47	0.52	nm
1,2-Dibromoethane (EDB)	ug/m3	< 0.42	0.72	nm
Chlorobenzene	ug/m3	< 2.5	< 2.5	nm
Ethylbenzene	ug/m3	< 2.4	< 2.4	nm
1,1,2,2-Tetrachloroethane	ug/m3	< 0.76	< 0.76	nm
Nonane	ug/m3	<29	<29	nm
Isopropylbenzene	ug/m3	<14	<14	nm
2-Chlorotoluene	ug/m3	<28	<28	nm
Propylbenzene	ug/m3	<14	<14	nm
4-Ethyltoluene	ug/m3	<14	<14	nm
m,p-Xylene	ug/m3	<4.8	<4.8	nm
o-Xylene	ug/m3	< 2.4	< 2.4	nm
Styrene	ug/m3	<4.7	<4.7	nm
Bromoform	ug/m3	<11	<11	nm
Benzyl chloride	ug/m3	< 0.28	0.60	nm
1,3,5-Trimethylbenzene	ug/m3	<14	<14	nm
1,2,4-Trimethylbenzene	ug/m3	<14	<14	nm
1,3-Dichlorobenzene	ug/m3	<3.3	<3.3	nm
1,4-Dichlorobenzene	ug/m3	<1.3	<1.3	nm
1,2-Dichlorobenzene	ug/m3	<3.3	<3.3	nm
1,2,4-Trichlorobenzene	ug/m3	<4.1	<4.1	nm
Naphthalene	ug/m3	<1.4	<1.4	nm
Hexachlorobutadiene	ug/m3	<1.2	<1.2	nm

ENVIRONMENTAL CHEMISTS

Date of Report: 12/06/21 Date Received: 11/19/21

Project: Spic n Span 060172, F&BI 111360

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF AIR SAMPLES FOR VOLATILES BY METHOD TO-15

Laboratory Code: Laboratory Control Sample

			Percent	
	Reporting	Spike	Recovery	Acceptance
Analyte	Units	Level	LCS	Criteria
Propene	ug/m3	23	109	70-130
Dichlorodifluoromethane	ug/m3	67	114	70-130
Chloromethane	ug/m3	28	108	70-130
F-114	ug/m3	94	123	70-130
Vinyl chloride	ug/m3	35	115	70-130
1,3-Butadiene	ug/m3	30	111	70-130
Butane	ug/m3	32	117	70-130
Bromomethane	ug/m3	52	128	70-130
Chloroethane	ug/m3	36	114	70-130
Vinyl bromide	ug/m3	59	115	70-130
Ethanol	ug/m3	25	102	70-130
Acrolein	ug/m3	31	100	70-130
Pentane	ug/m3	40	105	70-130
Trichlorofluoromethane	ug/m3	76	123	70-130
Acetone	ug/m3	32	112	70-130
2-Propanol	ug/m3	33	99	70-130
1,1-Dichloroethene	ug/m3	54	117	70-130
trans-1,2-Dichloroethene	ug/m3	54	113	70-130
Methylene chloride	ug/m3	94	109	70-130
t-Butyl alcohol (TBA)	ug/m3	41	110	70-130
3-Chloropropene	ug/m3	42	108	70-130
CFC-113	ug/m3	100	121	70-130
Carbon disulfide	ug/m3	42	117	70-130
Methyl t-butyl ether (MTBE)	ug/m3	49	109	70-130
Vinyl acetate	ug/m3	48	99	70-130
1,1-Dichloroethane	ug/m3	55	115	70-130
cis-1,2-Dichloroethene	ug/m3	54	115	70-130
Hexane	ug/m3	48	106	70-130
Chloroform	ug/m3	66	115	70-130
Ethyl acetate	ug/m3	49	105	70-130
Tetrahydrofuran	ug/m3	40	111	70-130
2-Butanone (MEK)	ug/m3	40	113	70-130
1,2-Dichloroethane (EDC)	ug/m3	55	114	70-130
1,1,1-Trichloroethane	ug/m3	74	117	70-130
Carbon tetrachloride	ug/m3	85	115	70-130
Benzene	ug/m3	43	112	70-130
Cyclohexane	ug/m3	46	96	70-130
1,2-Dichloropropane	ug/m3	62	111	70-130
1,4-Dioxane	ug/m3	49	115	70-130
2,2,4-Trimethylpentane	ug/m3	63	110	70-130

ENVIRONMENTAL CHEMISTS

Date of Report: 12/06/21 Date Received: 11/19/21

Project: Spic n Span 060172, F&BI 111360

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF AIR SAMPLES FOR VOLATILES BY METHOD TO-15

Laboratory Code: Laboratory Control Sample, continued

	,		Percent	
	Reporting	Spike	Recovery	Acceptance
Analyte	Units	Level	LCS	Criteria
Methyl methacrylate	ug/m3	55	115	70-130
Heptane	ug/m3	55	108	70-130
Bromodichloromethane	ug/m3	90	116	70-130
Trichloroethene	ug/m3	73	113	70-130
cis-1,3-Dichloropropene	ug/m3	61	119	70-130
4-Methyl-2-pentanone	ug/m3	55	117	70-130
trans-1,3-Dichloropropene	ug/m3	61	113	70-130
Toluene	ug/m3	51	115	70-130
1,1,2-Trichloroethane	ug/m3	74	116	70-130
2-Hexanone	ug/m3	55	111	70-130
Tetrachloroethene	ug/m3	92	119	70-130
Dibromochloromethane	ug/m3	120	124	70-130
1,2-Dibromoethane (EDB)	ug/m3	100	113	70-130
Chlorobenzene	ug/m3	62	121	70-130
Ethylbenzene	ug/m3	59	110	70-130
1,1,2,2-Tetrachloroethane	ug/m3	93	113	70-130
Nonane	ug/m3	71	104	70-130
Isopropylbenzene	ug/m3	66	115	70-130
2-Chlorotoluene	ug/m3	70	112	70-130
Propylbenzene	ug/m3	66	110	70-130
4-Ethyltoluene	ug/m3	66	101	70-130
m,p-Xylene	ug/m3	120	114	70-130
o-Xylene	ug/m3	59	119	70-130
Styrene	ug/m3	58	114	70-130
Bromoform	ug/m3	140	114	70-130
Benzyl chloride	ug/m3	70	121	70-130
1,3,5-Trimethylbenzene	ug/m3	66	110	70-130
1,2,4-Trimethylbenzene	ug/m3	66	110	70-130
1,3-Dichlorobenzene	ug/m3	81	121	70-130
1,4-Dichlorobenzene	ug/m3	81	118	70-130
1,2-Dichlorobenzene	ug/m3	81	120	70-130
1,2,4-Trichlorobenzene	ug/m3	100	93	70-130
Naphthalene	ug/m3	71	104	70-130
Hexachlorobutadiene	ug/m3	140	110	70-130

ENVIRONMENTAL CHEMISTS

Data Qualifiers & Definitions

- a The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.
- b The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.
- ca The calibration results for the analyte were outside of acceptance criteria. The value reported is an estimate.
- c The presence of the analyte may be due to carryover from previous sample injections.
- cf The sample was centrifuged prior to analysis.
- d The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.
- dv Insufficient sample volume was available to achieve normal reporting limits.
- f The sample was laboratory filtered prior to analysis.
- fb The analyte was detected in the method blank.
- fc The analyte is a common laboratory and field contaminant.
- hr The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.
- hs Headspace was present in the container used for analysis.
- ht The analysis was performed outside the method or client-specified holding time requirement.
- ip Recovery fell outside of control limits due to sample matrix effects.
- j The analyte concentration is reported below the lowest calibration standard. The value reported is an estimate.
- J The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.
- jl The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.
- js The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.
- lc The presence of the analyte is likely due to laboratory contamination.
- L The reported concentration was generated from a library search.
- nm The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.
- pc The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.
- ve The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.
- vo The value reported fell outside the control limits established for this analyte.
- x The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

FORMS\COC\COCTO-15.DOC SAMPLE INFORMATION Address 710 2nd Ave Swite 560 Company_ASPECT_CONSULTIFIC Report To Jeremy Porter Phone_ City, State, ZIP SCUHILL, WA 98104 VOAC-INF-1111621 Ph. (206) 285-8282 3012 16th Avenue West Friedman & Bruya, Inc. TORGE COFF-1110021 Fax (206) 283-5044 Seattle, WA 98119-2029 Sample Name Email joy/146/ @ USPICITIONS JUTING COM 2 ā Relingatished by Received by: Lab ID Canister SIGNATURE Cont. Flow IA-Indoor Air SG=Soil Gas (Circle One) Reporting Level: IA / IA / IA / IA / SG IA / SG IA / SG IA /(SG) IA / (GC) |11/11/11/21 | 30" | 1343 | 5" SAMPLE CHAIN OF CUSTODY PROJECT NAME & ADURES SAMPLERS (signature) NOTES: SG SG SG Spic n Span Date Vac. Sampled ("Hg) 11352 たととうででくか Initial PRINT NAME Initial Vac.
Time ("Hg) Field Final Vac. <u>o</u> 一支を Time Field Final 1.987 SCID STO INVOICE TO 11-19-2 ANALYSIS REQUESTED PO# TO15 Full Scan Samples received at Co oC

TO15 BTEXN

TO15 cVOCs

APH

Helium

Notes

Standard

Page #

TURNAROUND TIME

Rush charges authorized by:

☐ Archive (Fee may apply) SAMPLE DISPOSAL

Default: Clean after 3 days

COMPANY DATE TIME

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D. Yelena Aravkina, M.S. Michael Erdahl, B.S. Arina Podnozova, B.S. Eric Young, B.S. 3012 16th Avenue West Seattle, WA 98119-2029 (206) 285-8282 fbi@isomedia.com www.friedmanandbruya.com

December 14, 2021

Jeremy Porter, Project Manager Aspect Consulting, LLC 710 2nd Ave S, Suite 550 Seattle, WA 98104

Dear Mr Porter:

Included are the results from the testing of material submitted on December 3, 2021 from the Spic n Span 060172, F&BI 112057 project. There are 13 pages included in this report.

We appreciate this opportunity to be of service to you and hope you will call if you have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.

Michael Erdahl Project Manager

Enclosures c: Aspect Data ASP1214R.DOC

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on December 3, 2021 by Friedman & Bruya, Inc. from the Aspect Consulting, LLC Spic n Span 060172, F&BI 112057 project. Samples were logged in under the laboratory ID's listed below.

<u>Laboratory ID</u>	Aspect Consulting, LLC
112057 -01	VGAC-INF-3-120221
112057 -02	VGAC-EFF-3-120221

Non-petroleum compounds identified in the air phase hydrocarbon (APH) ranges were subtracted per the MA-APH method.

The concentration of several analytes exceeded the calibration range of the instrument. The data were flagged accordingly.

All other quality control requirements were acceptable.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By Method MA-APH

Client Sample ID: VGAC-INF-3-120221 Client: Aspect Consulting, LLC Date Received: 12/03/21 Project: Spic n Span 060172 Lab ID: 112057-01 1/16 Date Collected: 12/02/21 Date Analyzed: 12/08/21 Data File: 120729.DMatrix: Instrument: GCMS7 Air Units: ug/m3 Operator: bat

Concentration

Compounds: ug/m3

APH EC5-8 aliphatics 4,000 APH EC9-12 aliphatics 13,000 APH EC9-10 aromatics 480

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By Method MA-APH

Client Sample ID: VGAC-EFF-3-120221 Client: Aspect Consulting, LLC Date Received: 12/03/21 Project: Spic n Span 060172 112057-02 1/8.5 Lab ID: Date Collected: 12/02/21 Date Analyzed: 12/08/21 Data File: 120727.DMatrix: Instrument: GCMS7 Air Units: ug/m3 Operator: bat

% Lower Upper Surrogates: Recovery: Limit: Limit: 4-Bromofluorobenzene 78 70 130

Concentration

Compounds: ug/m3

APH EC5-8 aliphatics <640 APH EC9-12 aliphatics <210 APH EC9-10 aromatics <210

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By Method MA-APH

Client Sample ID: Method Blank Client: Aspect Consulting, LLC Date Received: Not Applicable Project: Spic n Span 060172 $0\overline{1}$ -2772 MB Not Applicable Lab ID: Date Collected: Date Analyzed: 12/07/21 Data File: 120711.DMatrix: Instrument: GCMS7 Air Units: ug/m3 Operator: bat

Concentration

Compounds: ug/m3

APH EC5-8 aliphatics <75 APH EC9-12 aliphatics <25 APH EC9-10 aromatics <25

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By Method TO-15

Client Sample ID: VGAC-INF-3-120221 Client: Aspect Consulting, LLC Date Received: Project: 12/03/21 Spic n Span 060172 Lab ID: Date Collected: 12/02/21 112057-01 1/16 Date Analyzed: 12/08/21 Data File: 120729.DMatrix: GCMS7Air Instrument: ug/m3 Units: Operator: bat

	9bv <0.8 <1.6 <16 <16
Propene 66 38 1,2-Dichloropropane <3.7 <	<1.6 <16
110pelle 00 30 1,2-Dichloropropalle 3.7	<1.6 <16
7 1 1	<16
,	-
, , v 1	>10
	<16
	\16).16
1,3-Butadiene <0.71	23
, I I	1.6
v 1	<16
, , , ,	<1.6
	<80
, , , , , , , , , , , , , , , , , , ,	0.16
	<16
	120
, , , , , , , , , , , , , , , , , , ,	0.16
1	0.16
	<1.6
	2.8
	0.32
v	<16
3-Chloropropene <25 <8 Isopropylbenzene <39	<8
	<16
Carbon disulfide <100 <32 Propylbenzene <39	<8
Methyl t-butyl ether (MTBE) <29 <8 4-Ethyltoluene <39	<8
V 1 V	7.7
1,1-Dichloroethane <6.5 <1.6 o-Xylene 11	2.6
	≤ 3.2
Hexane <56 <16 Bromoform <33 <	≤ 3.2
Chloroform 7.8 1.6 Benzyl chloride <0.83 <0	0.16
Ethyl acetate <120 <32 1,3,5-Trimethylbenzene <39	<8
Tetrahydrofuran 20 6.9 1,2,4-Trimethylbenzene <39	<8
2-Butanone (MEK) 610 ve 210 ve 1,3-Dichlorobenzene <9.6	<1.6
1,2-Dichloroethane (EDC) 3.4 0.85 1,4-Dichlorobenzene <3.7 <0	0.61
1,1,1-Trichloroethane <8.7 <1.6 1,2-Dichlorobenzene <9.6 <	<1.6
Carbon tetrachloride <5 <0.8 1,2,4-Trichlorobenzene <12 <	1.6
Benzene 32 10 Naphthalene 85	16
<u>-</u>	0.32

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By Method TO-15

Client Sample ID: VGAC-EFF-3-120221 Client: Aspect Consulting, LLC Date Received: 12/03/21 Project: Spic n Span 060172 Lab ID: Date Collected: 12/02/21 112057-02 1/8.5 Date Analyzed: 12/08/21 Data File: 120727.DMatrix: GCMS7Air Instrument: ug/m3 Units: Operator: bat

	Concen	tration		Concer	ntration
Compounds:	ug/m3	ppbv	Compounds:	ug/m3	ppbv
Duanana	46	27	1 9 Diahlanannanan	<2	< 0.42
Propene Dichlorodifluoromethane	<4.2	< 0.85	1,2-Dichloropropane 1,4-Dioxane	<3.1	< 0.42
Chloromethane	<32	<0.65 <15	2,2,4-Trimethylpentane	<40	<0.65 <8.5
F-114	<5.9	<0.85	• • •	<40 <35	<8.5 <8.5
			Methyl methacrylate		
Vinyl chloride	<2.2	< 0.85	Heptane	<35	< 8.5
1,3-Butadiene	< 0.38	< 0.17	Bromodichloromethane	< 0.57	< 0.085
Butane	92	39	Trichloroethene	<0.91	< 0.17
Bromomethane	<20	< 5.1	cis-1,3-Dichloropropene	<3.9	< 0.85
Chloroethane	<22	< 8.5	4-Methyl-2-pentanone	<35	<8.5
Vinyl bromide	<3.7	< 0.85	trans-1,3-Dichloropropene	<3.9	< 0.85
Ethanol	120	61	Toluene	<160	<42
Acrolein	< 0.97	< 0.42	1,1,2-Trichloroethane	< 0.46	< 0.085
Pentane	<25	< 8.5	2-Hexanone	<35	< 8.5
Trichlorofluoromethane	<19	<3.4	Tetrachloroethene	<58	< 8.5
Acetone	2,300 ve	980 ve	Dibromochloromethane	< 0.72	< 0.085
2-Propanol	<73	<30	1,2-Dibromoethane (EDB)	< 0.65	< 0.085
1,1-Dichloroethene	< 3.4	< 0.85	Chlorobenzene	<3.9	< 0.85
trans-1,2-Dichloroethene	< 3.4	< 0.85	Ethylbenzene	< 3.7	< 0.85
Methylene chloride	<300	<85	1,1,2,2-Tetrachloroethane	<1.2	< 0.17
t-Butyl alcohol (TBA)	<100	<34	Nonane	<45	< 8.5
3-Chloropropene	<13	<4.2	Isopropylbenzene	<21	<4.2
CFC-113	< 6.5	< 0.85	2-Chlorotoluene	<44	< 8.5
Carbon disulfide	85	27	Propylbenzene	<21	<4.2
Methyl t-butyl ether (MTBE	(1) <15	<4.2	4-Ethyltoluene	<21	<4.2
Vinyl acetate	<60	<17	m,p-Xylene	12	2.7
1,1-Dichloroethane	< 3.4	< 0.85	o-Xylene	3.9	0.89
cis-1,2-Dichloroethene	< 3.4	< 0.85	Styrene	<7.2	<1.7
Hexane	<30	<8.5	Bromoform	<18	<1.7
Chloroform	< 0.42	< 0.085	Benzyl chloride	< 0.44	< 0.085
Ethyl acetate	<61	<17	1,3,5-Trimethylbenzene	<21	<4.2
Tetrahydrofuran	21	7.0	1,2,4-Trimethylbenzene	<21	<4.2
2-Butanone (MEK)	<25	<8.5	1,3-Dichlorobenzene	< 5.1	< 0.85
1,2-Dichloroethane (EDC)	< 0.34	< 0.085	1,4-Dichlorobenzene	<1.9	< 0.32
1,1,1-Trichloroethane	<4.6	< 0.85	1,2-Dichlorobenzene	< 5.1	< 0.85
Carbon tetrachloride	<2.7	< 0.42	1,2,4-Trichlorobenzene	<6.3	< 0.85
Benzene	<2.7	< 0.85	Naphthalene	<2.2	< 0.42
Cyclohexane	<59	<17	Hexachlorobutadiene	<1.8	< 0.17
CJOIOIICAGIIC	-50	. 1	110Addition ob diddiction	-1.0	.0.11

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By Method TO-15

Client Sample ID: Method Blank Client: Aspect Consulting, LLC Not Applicable Project: Spic n Span 060172 Date Received: Lab ID: Not Applicable $01\text{-}2772~\mathrm{MB}$ Date Collected: 12/07/21 Date Analyzed: Data File: 120711.DMatrix: Air GCMS7Instrument: ug/m3 Units: Operator: bat

	Concen	tration		Concer	ntration
Compounds:	ug/m3	ppbv	Compounds:	ug/m3	ppbv
D	.1.0		1 0 P: 11	.0.00	·0.0=
Propene	<1.2	< 0.7	1,2-Dichloropropane	<0.23	< 0.05
Dichlorodifluoromethane	< 0.49	< 0.1	1,4-Dioxane	< 0.36	< 0.1
Chloromethane	<3.7	<1.8	2,2,4-Trimethylpentane	<4.7	<1
F-114	< 0.7	< 0.1	Methyl methacrylate	<4.1	<1
Vinyl chloride	< 0.26	< 0.1	Heptane	<4.1	<1
1,3-Butadiene	< 0.044	< 0.02	Bromodichloromethane	< 0.067	< 0.01
Butane	<4.8	<2	Trichloroethene	< 0.11	< 0.02
Bromomethane	< 2.3	< 0.6	cis-1,3-Dichloropropene	< 0.45	< 0.1
Chloroethane	< 2.6	<1	4-Methyl-2-pentanone	<4.1	<1
Vinyl bromide	< 0.44	< 0.1	trans-1,3-Dichloropropene	< 0.45	< 0.1
Ethanol	< 7.5	<4	Toluene	<19	<5
Acrolein	< 0.11	< 0.05	1,1,2-Trichloroethane	< 0.055	< 0.01
Pentane	<3	<1	2-Hexanone	<4.1	<1
Trichlorofluoromethane	< 2.2	< 0.4	Tetrachloroethene	<6.8	<1
Acetone	<4.8	<2	Dibromochloromethane	< 0.085	< 0.01
2-Propanol	<8.6	< 3.5	1,2-Dibromoethane (EDB)	< 0.077	< 0.01
1,1-Dichloroethene	< 0.4	< 0.1	Chlorobenzene	< 0.46	< 0.1
trans-1,2-Dichloroethene	< 0.4	< 0.1	Ethylbenzene	< 0.43	< 0.1
Methylene chloride	<35	<10	1,1,2,2-Tetrachloroethane	< 0.14	< 0.02
t-Butyl alcohol (TBA)	<12	<4	Nonane	< 5.2	<1
3-Chloropropene	<1.6	< 0.5	Isopropylbenzene	< 2.5	< 0.5
CFC-113	< 0.77	< 0.1	2-Chlorotoluene	< 5.2	<1
Carbon disulfide	< 6.2	<2	Propylbenzene	< 2.5	< 0.5
Methyl t-butyl ether (MTBE)	<1.8	< 0.5	4-Ethyltoluene	< 2.5	< 0.5
Vinyl acetate	<7	<2	m,p-Xylene	< 0.87	< 0.2
1,1-Dichloroethane	< 0.4	< 0.1	o-Xylene	< 0.43	< 0.1
cis-1,2-Dichloroethene	< 0.4	< 0.1	Styrene	< 0.85	< 0.2
Hexane	<3.5	<1	Bromoform	<2.1	< 0.2
Chloroform	< 0.049	< 0.01	Benzyl chloride	< 0.052	< 0.01
Ethyl acetate	<7.2	<2	1,3,5-Trimethylbenzene	< 2.5	< 0.5
Tetrahydrofuran	< 0.59	< 0.2	1,2,4-Trimethylbenzene	<2.5	< 0.5
2-Butanone (MEK)	< 2.9	<1	1,3-Dichlorobenzene	< 0.6	< 0.1
1,2-Dichloroethane (EDC)	< 0.04	< 0.01	1,4-Dichlorobenzene	< 0.23	< 0.038
1,1,1-Trichloroethane	< 0.55	< 0.1	1,2-Dichlorobenzene	< 0.6	< 0.1
Carbon tetrachloride	< 0.31	< 0.05	1,2,4-Trichlorobenzene	< 0.74	< 0.1
Benzene	< 0.32	<0.1	Naphthalene	< 0.26	< 0.05
Cyclohexane	< 6.9	<2	Hexachlorobutadiene	< 0.21	< 0.02
C _J ClotteAutic	.0.0	~=	110Auditio100utauticite	·0.21	-0.02

ENVIRONMENTAL CHEMISTS

Date of Report: 12/14/21 Date Received: 12/03/21

Project: Spic n Span 060172, F&BI 112057

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF AIR SAMPLES FOR VOLATILES BY METHOD MA-APH

Laboratory Code: 112057-02 1/8.5 (Duplicate)

	Reporting	Sample	Duplicate	RPD
Analyte	Units	Result	Result	(Limit 30)
APH EC5-8 aliphatics	ug/m3	<640	<640	nm
APH EC9-12 aliphatics	ug/m3	<210	<210	nm
APH EC9-10 aromatics	ug/m3	<210	<210	nm

Laboratory Code: Laboratory Control Sample

	Percent				
	Reporting	Spike	Recovery	Acceptance	
Analyte	Units	Level	LCS	Criteria	
APH EC5-8 aliphatics	ug/m3	67	87	70-130	
APH EC9-12 aliphatics	ug/m3	67	97	70-130	
APH EC9-10 aromatics	ug/m3	67	86	70-130	

ENVIRONMENTAL CHEMISTS

Date of Report: 12/14/21 Date Received: 12/03/21

Project: Spic n Span 060172, F&BI 112057

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF AIR SAMPLES FOR VOLATILES BY METHOD TO-15

Laboratory Code: 112057-02 1/8.5 (Duplicate)

	Reporting Sample		Duplicate	RPD
Analyte	Units	Result	Result	(Limit 30)
Propene	ug/m3	46	47	2
Dichlorodifluoromethane	ug/m3	<4.2	<4.2	nm
Chloromethane	ug/m3	<32	<32	nm
F-114	ug/m3	< 5.9	< 5.9	nm
Vinyl chloride	ug/m3	< 2.2	< 2.2	nm
1,3-Butadiene	ug/m3	< 0.38	< 0.38	nm
Butane	ug/m3	92	87	6
Bromomethane	ug/m3	<20	<20	nm
Chloroethane	ug/m3	<22	<22	nm
Vinyl bromide	ug/m3	<3.7	<3.7	nm
Ethanol	ug/m3	120	130	8
Acrolein	ug/m3	< 0.97	< 0.97	nm
Pentane	ug/m3	<25	<25	nm
Trichlorofluoromethane	ug/m3	<19	<19	nm
Acetone	ug/m3	2,300	2,200	4
2-Propanol	ug/m3	<73	<73	nm
1,1-Dichloroethene	ug/m3	< 3.4	< 3.4	nm
trans-1,2-Dichloroethene	ug/m3	< 3.4	< 3.4	nm
Methylene chloride	ug/m3	<300	<300	nm
t-Butyl alcohol (TBA)	ug/m3	<100	<100	nm
3-Chloropropene	ug/m3	<13	<13	nm
CFC-113	ug/m3	< 6.5	< 6.5	nm
Carbon disulfide	ug/m3	85	83	2
Methyl t-butyl ether (MTBE)	ug/m3	<15	<15	nm
Vinyl acetate	ug/m3	<60	<60	nm
1,1-Dichloroethane	ug/m3	< 3.4	< 3.4	nm
cis-1,2-Dichloroethene	ug/m3	< 3.4	< 3.4	nm
Hexane	ug/m3	<30	<30	nm
Chloroform	ug/m3	< 0.42	< 0.42	nm
Ethyl acetate	ug/m3	<61	<61	nm
Tetrahydrofuran	ug/m3	21	21	0
2-Butanone (MEK)	ug/m3	<25	<25	nm
1,2-Dichloroethane (EDC)	ug/m3	< 0.34	< 0.34	nm
1,1,1-Trichloroethane	ug/m3	<4.6	<4.6	nm
Carbon tetrachloride	ug/m3	< 2.7	< 2.7	nm
Benzene	ug/m3	< 2.7	< 2.7	nm
Cyclohexane	ug/m3	<59	< 59	nm
1,2-Dichloropropane	ug/m3	<2	<2	nm
1,4-Dioxane	ug/m3	<3.1	<3.1	nm
2,2,4-Trimethylpentane	ug/m3	<40	<40	nm

ENVIRONMENTAL CHEMISTS

Date of Report: 12/14/21 Date Received: 12/03/21

Project: Spic n Span 060172, F&BI 112057

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF AIR SAMPLES FOR VOLATILES BY METHOD TO-15

Laboratory Code: 112057-02 1/8.5 (Duplicate) (continued)

	Reporting Sample		Duplicate	RPD
Analyte	Units	Result	Result	(Limit 30)
Methyl methacrylate	ug/m3	<35	<35	nm
Heptane	ug/m3	<35	<35	nm
Bromodichloromethane	ug/m3	< 0.57	< 0.57	nm
Trichloroethene	ug/m3	< 0.91	< 0.91	nm
cis-1,3-Dichloropropene	ug/m3	<3.9	<3.9	nm
4-Methyl-2-pentanone	ug/m3	<35	<35	nm
trans-1,3-Dichloropropene	ug/m3	<3.9	<3.9	nm
Toluene	ug/m3	<160	<160	nm
1,1,2-Trichloroethane	ug/m3	< 0.46	< 0.46	nm
2-Hexanone	ug/m3	<35	<35	nm
Tetrachloroethene	ug/m3	<58	<58	nm
Dibromochloromethane	ug/m3	< 0.72	< 0.72	nm
1,2-Dibromoethane (EDB)	ug/m3	< 0.65	< 0.65	nm
Chlorobenzene	ug/m3	<3.9	<3.9	nm
Ethylbenzene	ug/m3	<3.7	< 3.7	nm
1,1,2,2-Tetrachloroethane	ug/m3	<1.2	<1.2	nm
Nonane	ug/m3	<45	<45	nm
Isopropylbenzene	ug/m3	<21	<21	nm
2-Chlorotoluene	ug/m3	<44	<44	nm
Propylbenzene	ug/m3	<21	<21	nm
4-Ethyltoluene	ug/m3	<21	<21	nm
m,p-Xylene	ug/m3	12	11	9
o-Xylene	ug/m3	3.9	3.8	3
Styrene	ug/m3	<7.2	<7.2	nm
Bromoform	ug/m3	<18	<18	nm
Benzyl chloride	ug/m3	< 0.44	< 0.44	nm
1,3,5-Trimethylbenzene	ug/m3	<21	<21	nm
1,2,4-Trimethylbenzene	ug/m3	<21	<21	nm
1,3-Dichlorobenzene	ug/m3	< 5.1	< 5.1	nm
1,4-Dichlorobenzene	ug/m3	<1.9	<1.9	nm
1,2-Dichlorobenzene	ug/m3	< 5.1	< 5.1	nm
1,2,4-Trichlorobenzene	ug/m3	< 6.3	<6.3	nm
Naphthalene	ug/m3	< 2.2	<2.2	nm
Hexachlorobutadiene	ug/m3	<1.8	<1.8	nm

ENVIRONMENTAL CHEMISTS

Date of Report: 12/14/21 Date Received: 12/03/21

Project: Spic n Span 060172, F&BI 112057

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF AIR SAMPLES FOR VOLATILES BY METHOD TO-15

Laboratory Code: Laboratory Control Sample

· ·	1		Percent	
	Reporting	Spike	Recovery	Acceptance
Analyte	Units	Level	LCS	Criteria
Propene	ug/m3	23	78	70-130
Dichlorodifluoromethane	ug/m3	67	97	70-130
Chloromethane	ug/m3	28	97	70-130
F-114	ug/m3	94	99	70-130
Vinyl chloride	ug/m3	35	91	70-130
1,3-Butadiene	ug/m3	30	85	70-130
Butane	ug/m3	32	87	70-130
Bromomethane	ug/m3	52	94	70-130
Chloroethane	ug/m3	36	95	70-130
Vinyl bromide	ug/m3	59	96	70-130
Ethanol	ug/m3	25	71	70-130
Acrolein	ug/m3	31	83	70-130
Pentane	ug/m3	40	78	70-130
Trichlorofluoromethane	ug/m3	76	103	70-130
Acetone	ug/m3	32	94	70-130
2-Propanol	ug/m3	33	86	70-130
1,1-Dichloroethene	ug/m3	54	97	70-130
trans-1,2-Dichloroethene	ug/m3	54	95	70-130
Methylene chloride	ug/m3	94	94	70-130
t-Butyl alcohol (TBA)	ug/m3	41	90	70-130
3-Chloropropene	ug/m3	42	82	70-130
CFC-113	ug/m3	100	102	70-130
Carbon disulfide	ug/m3	42	86	70-130
Methyl t-butyl ether (MTBE)	ug/m3	49	85	70-130
Vinyl acetate	ug/m3	48	78	70-130
1,1-Dichloroethane	ug/m3	55	94	70-130
cis-1,2-Dichloroethene	ug/m3	54	96	70-130
Hexane	ug/m3	48	83	70-130
Chloroform	ug/m3	66	99	70-130
Ethyl acetate	ug/m3	49	88	70-130
Tetrahydrofuran	ug/m3	40	83	70-130
2-Butanone (MEK)	ug/m3	40	97	70-130
1,2-Dichloroethane (EDC)	ug/m3	55	93	70-130
1,1,1-Trichloroethane	ug/m3	74	99	70-130
Carbon tetrachloride	ug/m3	85	102	70-130
Benzene	ug/m3	43	92	70-130
Cyclohexane	ug/m3	46	76	70-130
1,2-Dichloropropane	ug/m3	62	94	70-130
1,4-Dioxane	ug/m3	49	97	70-130
2,2,4-Trimethylpentane	ug/m3	63	93	70-130

ENVIRONMENTAL CHEMISTS

Date of Report: 12/14/21 Date Received: 12/03/21

Project: Spic n Span 060172, F&BI 112057

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF AIR SAMPLES FOR VOLATILES BY METHOD TO-15

Laboratory Code: Laboratory Control Sample (continued)

	Percent					
	Reporting	Spike	Recovery	Acceptance		
Analyte	Units	Level	LCS	Criteria		
Methyl methacrylate	ug/m3	55	93	70-130		
Heptane	ug/m3	55	87	70-130		
Bromodichloromethane	ug/m3	90	101	70-130		
Trichloroethene	ug/m3	73	97	70-130		
cis-1,3-Dichloropropene	ug/m3	61	98	70-130		
4-Methyl-2-pentanone	ug/m3	55	96	70-130		
trans-1,3-Dichloropropene	ug/m3	61	102	70-130		
Toluene	ug/m3	51	103	70-130		
1,1,2-Trichloroethane	ug/m3	74	102	70-130		
2-Hexanone	ug/m3	55	88	70-130		
Tetrachloroethene	ug/m3	92	111	70-130		
Dibromochloromethane	ug/m3	120	113	70-130		
1,2-Dibromoethane (EDB)	ug/m3	100	100	70-130		
Chlorobenzene	ug/m3	62	107	70-130		
Ethylbenzene	ug/m3	59	93	70-130		
1,1,2,2-Tetrachloroethane	ug/m3	93	99	70-130		
Nonane	ug/m3	71	77	70-130		
Isopropylbenzene	ug/m3	66	97	70-130		
2-Chlorotoluene	ug/m3	70	100	70-130		
Propylbenzene	ug/m3	66	92	70-130		
4-Ethyltoluene	ug/m3	66	94	70-130		
m,p-Xylene	ug/m3	120	97	70-130		
o-Xylene	ug/m3	59	100	70-130		
Styrene	ug/m3	58	95	70-130		
Bromoform	ug/m3	140	109	70-130		
Benzyl chloride	ug/m3	70	103	70-130		
1,3,5-Trimethylbenzene	ug/m3	66	92	70-130		
1,2,4-Trimethylbenzene	ug/m3	66	88	70-130		
1,3-Dichlorobenzene	ug/m3	81	109	70-130		
1,4-Dichlorobenzene	ug/m3	81	96	70-130		
1,2-Dichlorobenzene	ug/m3	81	103	70-130		
1,2,4-Trichlorobenzene	ug/m3	100	85	70-130		
Naphthalene	ug/m3	71	82	70-130		
Hexachlorobutadiene	ug/m3	140	101	70-130		

ENVIRONMENTAL CHEMISTS

Data Qualifiers & Definitions

- a The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.
- b The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.
- ca The calibration results for the analyte were outside of acceptance criteria. The value reported is an estimate.
- c The presence of the analyte may be due to carryover from previous sample injections.
- cf The sample was centrifuged prior to analysis.
- d The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.
- dv Insufficient sample volume was available to achieve normal reporting limits.
- f The sample was laboratory filtered prior to analysis.
- fb The analyte was detected in the method blank.
- fc The analyte is a common laboratory and field contaminant.
- hr The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.
- hs Headspace was present in the container used for analysis.
- ht The analysis was performed outside the method or client-specified holding time requirement.
- ip Recovery fell outside of control limits due to sample matrix effects.
- j The analyte concentration is reported below the lowest calibration standard. The value reported is an estimate.
- J The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.
- jl The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.
- js The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.
- lc The presence of the analyte is likely due to laboratory contamination.
- L The reported concentration was generated from a library search.
- nm The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.
- pc The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.
- ve The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.
- vo The value reported fell outside the control limits established for this analyte.
- x The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

SAMPLE INFORMATION

							NEAC-EFF-3-12022102 3540 304	NOAC-INF-3-12022 01 3344 269	Sample Name		NOTE BANDO JANE GILLINGS
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Ph. (206) 285-8282
FORMS\COC\COCTO-15.DOC

Received by:

Samples received at

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Relinquished by

Friedman & Bruya, Inc. 3012 16th Avenue West Seattle, WA 98119-2029

Received by:

SIGNATURE

PRINT NAME

COMPANY

DATE

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D. Yelena Aravkina, M.S. Michael Erdahl, B.S. Arina Podnozova, B.S. Eric Young, B.S. 3012 16th Avenue West Seattle, WA 98119-2029 (206) 285-8282 fbi@isomedia.com www.friedmanandbruya.com

January 4, 2022

Jeremy Porter, Project Manager Aspect Consulting, LLC 710 2nd Ave S, Suite 550 Seattle, WA 98104

Dear Mr Porter:

Included are the results from the testing of material submitted on December 15, 2021 from the Spic n' Span 060172, F&BI 112287 project. There are 13 pages included in this report.

We appreciate this opportunity to be of service to you and hope you will call if you have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.

Michael Erdahl Project Manager

Enclosures c: Aspect Data ASP0104R.DOC

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on December 15, 2021 by Friedman & Bruya, Inc. from the Aspect Consulting, LLC Spic n' Span 060172, F&BI 112287 project. Samples were logged in under the laboratory ID's listed below.

<u>Laboratory ID</u>	Aspect Consulting, LLC
112287 -01	VGAC-INF-3-121521
112287 -02	VAGC-EFF-3-121521

Non-petroleum compounds identified in the air phase hydrocarbon (APH) ranges were subtracted per the MA-APH method.

The concentration of several analytes exceeded the calibration range of the instrument. The data were flagged accordingly.

The TO-15 calibration standard failed the acceptance criteria for ethanol. The data were flagged accordingly.

All other quality control requirements were acceptable.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By Method MA-APH

Client Sample ID: VGAC-INF-3-121521 Client: Aspect Consulting, LLC

Date Received: 12/15/21 Project: Spic n' Span 060172, F&BI 112287

Lab ID: 112287-01 1/18 Date Collected: 12/15/21 Date Analyzed: 12/28/21 Data File: 122817.DMatrix: Instrument: GCMS8 Air Units: ug/m3 Operator: VM

Concentration

Compounds: ug/m3

APH EC5-8 aliphatics 1,700 APH EC9-12 aliphatics 9,200 APH EC9-10 aromatics <450

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By Method MA-APH

Client Sample ID: VAGC-EFF-3-121521 Client: Aspect Consulting, LLC

Date Received: 12/15/21 Project: Spic n' Span 060172, F&BI 112287

Lab ID: Date Collected: 12/15/21 112287-02 1/18 Date Analyzed: 12/28/21 Data File: 122819.DMatrix: Instrument: GCMS8 Air Units: ug/m3 Operator: VM

% Lower Upper Surrogates: Recovery: Limit: Limit: 4-Bromofluorobenzene 90 70 130

Concentration

Compounds: ug/m3

APH EC5-8 aliphatics <1,300 APH EC9-12 aliphatics 450 APH EC9-10 aromatics <450

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By Method MA-APH

Client Sample ID: Method Blank Client: Aspect Consulting, LLC

Date Received: Not Applicable Project: Spic n' Span 060172, F&BI 112287

Not Applicable Lab ID: Date Collected: $01\text{-}2855~\mathrm{MB}$ Date Analyzed: 12/28/21 Data File: 122810.DMatrix: Instrument: GCMS8 Air Units: ug/m3 Operator: VM

% Lower Upper Surrogates: Recovery: Limit: Limit:

4-Bromofluorobenzene 92 70 130

Concentration

Compounds: ug/m3

APH EC5-8 aliphatics <75 APH EC9-12 aliphatics <25 APH EC9-10 aromatics <25

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By Method TO-15

Client Sample ID: VGAC-INF-3-121521 Client: Aspect Consulting, LLC

Date Received: 12/15/21 Project: Spic n' Span 060172, F&BI 112287

Lab ID: Date Collected: 112287-01 1/18 12/15/21 Date Analyzed: 12/28/21 Data File: 122817.DMatrix: Instrument: GCMS8 Air Units: ug/m3 Operator: VM

	%	Lower	Upper
Surrogates:	Recovery:	Limit:	Limit:
4-Bromofluorobenzene	109	70	130

Concentration				Concei	ntration
Compounds:	ug/m3	ppbv	Compounds:	ug/m3	ppbv
D	20	40	1 0 D: 11	. 4.0	.0.0
Propene	69	40	1,2-Dichloropropane	<4.2	< 0.9
Dichlorodifluoromethane	<8.9	<1.8	1,4-Dioxane	< 6.5	<1.8
Chloromethane	<67	<32	2,2,4-Trimethylpentane	<84	<18
F-114	<13	<1.8	Methyl methacrylate	<74	<18
Vinyl chloride	<4.6	<1.8	Heptane	<74	<18
1,3-Butadiene	< 0.8	< 0.36	Bromodichloromethane	<1.2	< 0.18
Butane	<86	<36	Trichloroethene	76	14
Bromomethane	<42	<11	cis-1,3-Dichloropropene	<8.2	<1.8
Chloroethane	<47	<18	4-Methyl-2-pentanone	<74	<18
Vinyl bromide	< 7.9	<1.8	trans-1,3-Dichloropropene	<8.2	<1.8
Ethanol	370 ca ve	200 ca ve	Toluene	<340	<90
Acrolein	20	8.6	1,1,2-Trichloroethane	< 0.98	< 0.18
Pentane	<53	<18	2-Hexanone	<74	<18
Trichlorofluoromethane	<40	< 7.2	Tetrachloroethene	350	51
Acetone	3,100 ve	1,300 ve	Dibromochloromethane	<1.5	< 0.18
2-Propanol	<150	<63	1,2-Dibromoethane (EDB)	<1.4	< 0.18
1,1-Dichloroethene	< 7.1	<1.8	Chlorobenzene	<8.3	<1.8
trans-1,2-Dichloroethene	< 7.1	<1.8	Ethylbenzene	7.8	1.8
Methylene chloride	<630	<180	1,1,2,2-Tetrachloroethane	< 2.5	< 0.36
t-Butyl alcohol (TBA)	<220	<72	Nonane	<94	<18
3-Chloropropene	<28	<9	Isopropylbenzene	<44	<9
CFC-113	<14	<1.8	2-Chlorotoluene	<93	<18
Carbon disulfide	<110	<36	Propylbenzene	<44	<9
Methyl t-butyl ether (MTBI	\leq 32	<9	4-Ethyltoluene	<44	<9
Vinyl acetate	560	160	m,p-Xylene	21	4.8
1,1-Dichloroethane	<7.3	<1.8	o-Xylene	9.9	2.3
cis-1,2-Dichloroethene	51	13	Styrene	<15	< 3.6
Hexane	<63	<18	Bromoform	<37	< 3.6
Chloroform	8.7	1.8	Benzyl chloride	< 0.93	< 0.18
Ethyl acetate	<130	<36	1,3,5-Trimethylbenzene	<44	<9
Tetrahydrofuran	12	4.2	1,2,4-Trimethylbenzene	<44	<9
2-Butanone (MEK)	510	170	1,3-Dichlorobenzene	<11	<1.8
1,2-Dichloroethane (EDC)	3.2	0.79	1,4-Dichlorobenzene	<4.1	< 0.68
1,1,1-Trichloroethane	<9.8	<1.8	1,2-Dichlorobenzene	<11	<1.8
Carbon tetrachloride	< 5.7	< 0.9	1,2,4-Trichlorobenzene	<13	<1.8
Benzene	29	9.1	Naphthalene	62	12
Cyclohexane	<120	<36	Hexachlorobutadiene	<3.8	< 0.36
- 5	==0	30		3.0	

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By Method TO-15

Client Sample ID: VAGC-EFF-3-121521 Client: Aspect Consulting, LLC

Date Received: 12/15/21 Project: Spic n' Span 060172, F&BI 112287

Lab ID: Date Collected: 12/15/21 112287-02 1/18 Date Analyzed: 12/28/21 Data File: 122819.DMatrix: Instrument: GCMS8Air Units: ug/m3 Operator: VM

	%	Lower	$_{ m Upper}$
Surrogates:	Recovery:	Limit:	Limit:
4-Bromofluorobenzene	92	70	130

	Concer	ntration		Conce	ntration
Compounds:	ug/m3	ppbv	Compounds:	ug/m3	ppbv
Propene	92	53	1,2-Dichloropropane	<4.2	< 0.9
Dichlorodifluoromethane	<8.9	<1.8	1,4-Dioxane	<6.5	<1.8
Chloromethane	<67	<32	2,2,4-Trimethylpentane	<84	<18
F-114	<13	<1.8	Methyl methacrylate	<74	<18
Vinyl chloride	<4.6	<1.8	Heptane	<74	<18
1,3-Butadiene	<0.8	< 0.36	Bromodichloromethane	<1.2	< 0.18
Butane	<86	<36	Trichloroethene	<1.9	< 0.36
Bromomethane	<42	<11	cis-1,3-Dichloropropene	<8.2	<1.8
Chloroethane	<47	<18	4-Methyl-2-pentanone	<74	<18
Vinyl bromide	<7.9	<1.8	trans-1,3-Dichloropropene	<8.2	<1.8
Ethanol	390 ca ve		Toluene	<340	<90
Acrolein	<2.1	< 0.9	1,1,2-Trichloroethane	< 0.98	< 0.18
Pentane	< 53	<18	2-Hexanone	<74	<18
Trichlorofluoromethane	<40	<7.2	Tetrachloroethene	<120	<18
Acetone	2,900 ve	1,200 ve	Dibromochloromethane	<1.5	< 0.18
2-Propanol	<150	<63	1,2-Dibromoethane (EDB)	<1.4	< 0.18
1,1-Dichloroethene	<7.1	<1.8	Chlorobenzene	<8.3	<1.8
trans-1,2-Dichloroethene	< 7.1	<1.8	Ethylbenzene	<7.8	<1.8
Methylene chloride	<630	<180	1,1,2,2-Tetrachloroethane	< 2.5	< 0.36
t-Butyl alcohol (TBA)	<220	<72	Nonane	<94	<18
3-Chloropropene	<28	<9	Isopropylbenzene	<44	<9
CFC-113	<14	<1.8	2-Chlorotoluene	<93	<18
Carbon disulfide	<110	<36	Propylbenzene	<44	<9
Methyl t-butyl ether (MTBI	\leq 32	<9	4-Ethyltoluene	<44	<9
Vinyl acetate	<130	<36	m,p-Xylene	<16	<3.6
1,1-Dichloroethane	<7.3	<1.8	o-Xylene	< 7.8	<1.8
cis-1,2-Dichloroethene	<7.1	<1.8	Styrene	<15	<3.6
Hexane	<63	<18	Bromoform	<37	<3.6
Chloroform	< 0.88	< 0.18	Benzyl chloride	< 0.93	< 0.18
Ethyl acetate	<130	<36	1,3,5-Trimethylbenzene	<44	<9
Tetrahydrofuran	<11	<3.6	1,2,4-Trimethylbenzene	<44	<9
2-Butanone (MEK)	<53	<18	1,3-Dichlorobenzene	<11	<1.8
1,2-Dichloroethane (EDC)	< 0.73	< 0.18	1,4-Dichlorobenzene	<4.1	< 0.68
1,1,1-Trichloroethane	<9.8	<1.8	1,2-Dichlorobenzene	<11	<1.8
Carbon tetrachloride	< 5.7	< 0.9	1,2,4-Trichlorobenzene	<13	<1.8
Benzene	< 5.8	<1.8	Naphthalene	18	3.5
Cyclohexane	<120	<36	Hexachlorobutadiene	<3.8	< 0.36
Cyclonexame	~120	-00	Heraciiioiobutautelle	~0.0	~0.00

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By Method TO-15

Client Sample ID: Method Blank Client: Aspect Consulting, LLC

Date Received: Not Applicable Project: Spic n' Span 060172, F&BI 112287

Lab ID: Date Collected: $Not\ Applicable$ $01\text{-}2855~\mathrm{MB}$ 12/28/21 Date Analyzed: Data File: 122810.DMatrix: Air Instrument: GCMS8ug/m3 Units: Operator: VM

	%	Lower	$_{ m Upper}$
Surrogates:	Recovery:	Limit:	Limit:
4-Bromofluorobenzene	93	70	130

	Concen	tration		Concer	ntration
Compounds:	ug/m3	ppbv	Compounds:	ug/m3	ppbv
Propene	<1.2	< 0.7	1,2-Dichloropropane	< 0.23	< 0.05
Dichlorodifluoromethane	< 0.49	< 0.1	1,4-Dioxane	< 0.36	< 0.1
Chloromethane	<3.7	<1.8	2,2,4-Trimethylpentane	<4.7	<1
F-114	< 0.7	< 0.1	Methyl methacrylate	<4.1	<1
Vinyl chloride	< 0.26	< 0.1	Heptane	<4.1	<1
1,3-Butadiene	< 0.044	< 0.02	Bromodichloromethane	< 0.067	< 0.01
Butane	<4.8	<2	Trichloroethene	< 0.11	< 0.02
Bromomethane	< 2.3	< 0.6	cis-1,3-Dichloropropene	< 0.45	< 0.1
Chloroethane	< 2.6	<1	4-Methyl-2-pentanone	<4.1	<1
Vinyl bromide	< 0.44	< 0.1	trans-1,3-Dichloropropene	< 0.45	< 0.1
Ethanol	< 7.5	<4	Toluene	<19	<5
Acrolein	< 0.11	< 0.05	1,1,2-Trichloroethane	< 0.055	< 0.01
Pentane	<3	<1	2-Hexanone	<4.1	<1
Trichlorofluoromethane	< 2.2	< 0.4	Tetrachloroethene	<6.8	<1
Acetone	<4.8	<2	Dibromochloromethane	< 0.085	< 0.01
2-Propanol	<8.6	< 3.5	1,2-Dibromoethane (EDB)	< 0.077	< 0.01
1,1-Dichloroethene	< 0.4	< 0.1	Chlorobenzene	< 0.46	< 0.1
trans-1,2-Dichloroethene	< 0.4	< 0.1	Ethylbenzene	< 0.43	< 0.1
Methylene chloride	<35	<10	1,1,2,2-Tetrachloroethane	< 0.14	< 0.02
t-Butyl alcohol (TBA)	<12	<4	Nonane	< 5.2	<1
3-Chloropropene	<1.6	< 0.5	Isopropylbenzene	< 2.5	< 0.5
CFC-113	< 0.77	< 0.1	2-Chlorotoluene	< 5.2	<1
Carbon disulfide	< 6.2	<2	Propylbenzene	< 2.5	< 0.5
Methyl t-butyl ether (MTBE)	<1.8	< 0.5	4-Ethyltoluene	< 2.5	< 0.5
Vinyl acetate	<7	<2	m,p-Xylene	< 0.87	< 0.2
1,1-Dichloroethane	< 0.4	< 0.1	o-Xylene	< 0.43	< 0.1
cis-1,2-Dichloroethene	< 0.4	< 0.1	Styrene	< 0.85	< 0.2
Hexane	< 3.5	<1	Bromoform	< 2.1	< 0.2
Chloroform	< 0.049	< 0.01	Benzyl chloride	< 0.052	< 0.01
Ethyl acetate	< 7.2	<2	1,3,5-Trimethylbenzene	< 2.5	< 0.5
Tetrahydrofuran	< 0.59	< 0.2	1,2,4-Trimethylbenzene	< 2.5	< 0.5
2-Butanone (MEK)	< 2.9	<1	1,3-Dichlorobenzene	< 0.6	< 0.1
1,2-Dichloroethane (EDC)	< 0.04	< 0.01	1,4-Dichlorobenzene	< 0.23	< 0.038
1,1,1-Trichloroethane	< 0.55	< 0.1	1,2-Dichlorobenzene	< 0.6	< 0.1
Carbon tetrachloride	< 0.31	< 0.05	1,2,4-Trichlorobenzene	< 0.74	< 0.1
Benzene	< 0.32	< 0.1	Naphthalene	< 0.26	< 0.05
Cyclohexane	< 6.9	<2	Hexachlorobutadiene	< 0.21	< 0.02
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ENVIRONMENTAL CHEMISTS

Date of Report: 01/04/22 Date Received: 12/15/21

Project: Spic n' Span 060172, F&BI 112287

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF AIR SAMPLES FOR VOLATILES BY METHOD MA-APH

Laboratory Code: 112287-01 1/18 (Duplicate)

	Reporting	Sample	Duplicate	RPD
Analyte	Units	Result	Result	(Limit 30)
APH EC5-8 aliphatics	ug/m3	1,700	2,600	42 vo
APH EC9-12 aliphatics	ug/m3	9,200	9,200	0
APH EC9-10 aromatics	ug/m3	<450	<450	nm

Laboratory Code: Laboratory Control Sample

	Percent			
	Reporting	Spike	Recovery	Acceptance
Analyte	Units	Level	LCS	Criteria
APH EC5-8 aliphatics	ug/m3	67	87	70-130
APH EC9-12 aliphatics	ug/m3	67	119	70-130
APH EC9-10 aromatics	ug/m3	67	119	70-130

ENVIRONMENTAL CHEMISTS

Date of Report: 01/04/22 Date Received: 12/15/21

Project: Spic n' Span 060172, F&BI 112287

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF AIR SAMPLES FOR VOLATILES BY METHOD TO-15

Laboratory Code: 112287-01 1/18 (Duplicate)

	Reporting	Sample	Duplicate	RPD
Analyte	Units	Result	Result	(Limit 30)
Propene	ug/m3	69	55	23
Dichlorodifluoromethane	ug/m3	<8.9	<8.9	nm
Chloromethane	ug/m3	<67	<67	nm
F-114	ug/m3	<13	<13	nm
Vinyl chloride	ug/m3	<4.6	<4.6	nm
1,3-Butadiene	ug/m3	< 0.8	< 0.8	nm
Butane	ug/m3	<86	<86	nm
Bromomethane	ug/m3	<42	<42	nm
Chloroethane	ug/m3	<47	<47	nm
Vinyl bromide	ug/m3	< 7.9	< 7.9	nm
Ethanol	ug/m3	370	350	6
Acrolein	ug/m3	20	19	5
Pentane	ug/m3	<53	<53	nm
Trichlorofluoromethane	ug/m3	<40	<40	nm
Acetone	ug/m3	1,300	1,200	8
2-Propanol	ug/m3	<150	<150	nm
1,1-Dichloroethene	ug/m3	<7.1	<7.1	nm
trans-1,2-Dichloroethene	ug/m3	<7.1	<7.1	nm
Methylene chloride	ug/m3	<630	<630	nm
t-Butyl alcohol (TBA)	ug/m3	<220	<220	nm
3-Chloropropene	ug/m3	<28	<28	nm
CFC-113	ug/m3	<14	<14	nm
Carbon disulfide	ug/m3	<110	<110	nm
Methyl t-butyl ether (MTBE)	ug/m3	<32	<32	nm
Vinyl acetate	ug/m3	560	550	2
1,1-Dichloroethane	ug/m3	<7.3	<7.3	nm
cis-1,2-Dichloroethene	ug/m3	51	50	2
Hexane	ug/m3	<63	<63	nm
Chloroform	ug/m3	8.7	8.3	5
Ethyl acetate	ug/m3	<130	<130	nm
Tetrahydrofuran	ug/m3	12	11	9
2-Butanone (MEK)	ug/m3	510	440	15
1,2-Dichloroethane (EDC)	ug/m3	3.2	3.4	6
1,1,1-Trichloroethane	ug/m3	<9.8	<9.8	nm
Carbon tetrachloride	ug/m3	< 5.7	< 5.7	nm
Benzene	ug/m3	29	28	4
Cyclohexane	ug/m3	<120	<120	nm
1,2-Dichloropropane	ug/m3	<4.2	<4.2	nm
1,4-Dioxane	ug/m3	< 6.5	< 6.5	nm
2,2,4-Trimethylpentane	ug/m3	<84	<84	nm

ENVIRONMENTAL CHEMISTS

Date of Report: 01/04/22 Date Received: 12/15/21

Project: Spic n' Span 060172, F&BI 112287

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF AIR SAMPLES FOR VOLATILES BY METHOD TO-15

Laboratory Code: 112287-01 1/18 (Duplicate) (continued)

	Reporting	Sample	Duplicate	RPD
Analyte	Units	Result	Result	(Limit 30)
Methyl methacrylate	ug/m3	<74	<74	nm
Heptane	ug/m3	<74	<74	nm
Bromodichloromethane	ug/m3	<1.2	<1.2	nm
Trichloroethene	ug/m3	76	68	11
cis-1,3-Dichloropropene	ug/m3	<8.2	<8.2	nm
4-Methyl-2-pentanone	ug/m3	<74	<74	nm
trans-1,3-Dichloropropene	ug/m3	<8.2	<8.2	nm
Toluene	ug/m3	<340	<340	nm
1,1,2-Trichloroethane	ug/m3	< 0.98	< 0.98	nm
2-Hexanone	ug/m3	<74	<74	nm
Tetrachloroethene	ug/m3	350	310	12
Dibromochloromethane	ug/m3	<1.5	< 1.5	nm
1,2-Dibromoethane (EDB)	ug/m3	<1.4	<1.4	nm
Chlorobenzene	ug/m3	<8.3	<8.3	nm
Ethylbenzene	ug/m3	7.8	7.8	0
1,1,2,2-Tetrachloroethane	ug/m3	< 2.5	< 2.5	nm
Nonane	ug/m3	<94	<94	nm
Isopropylbenzene	ug/m3	<44	<44	nm
2-Chlorotoluene	ug/m3	<93	<93	nm
Propylbenzene	ug/m3	<44	<44	nm
4-Ethyltoluene	ug/m3	<44	<44	nm
m,p-Xylene	ug/m3	21	21	0
o-Xylene	ug/m3	9.9	9.8	1
Styrene	ug/m3	<15	<15	nm
Bromoform	ug/m3	<37	<37	nm
Benzyl chloride	ug/m3	< 0.93	< 0.93	nm
1,3,5-Trimethylbenzene	ug/m3	<44	<44	nm
1,2,4-Trimethylbenzene	ug/m3	<44	<44	nm
1,3-Dichlorobenzene	ug/m3	<11	<11	nm
1,4-Dichlorobenzene	ug/m3	<4.1	<4.1	nm
1,2-Dichlorobenzene	ug/m3	<11	<11	nm
1,2,4-Trichlorobenzene	ug/m3	<13	<13	nm
Naphthalene	ug/m3	62	64	3
Hexachlorobutadiene	ug/m3	<3.8	<3.8	nm

ENVIRONMENTAL CHEMISTS

Date of Report: 01/04/22 Date Received: 12/15/21

Project: Spic n' Span 060172, F&BI 112287

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF AIR SAMPLES FOR VOLATILES BY METHOD TO-15

Laboratory Code: Laboratory Control Sample

, , ,	1		Percent	
	Reporting	Spike	Recovery	Acceptance
Analyte	Units	Level	LCS	Criteria
Propene	ug/m3	23	113	70-130
Dichlorodifluoromethane	ug/m3	67	93	70-130
Chloromethane	ug/m3	28	103	70-130
F-114	ug/m3	94	99	70-130
Vinyl chloride	ug/m3	35	103	70-130
1,3-Butadiene	ug/m3	30	102	70-130
Butane	ug/m3	32	99	70-130
Bromomethane	ug/m3	52	101	70-130
Chloroethane	ug/m3	36	93	70-130
Vinyl bromide	ug/m3	59	96	70-130
Ethanol	ug/m3	25	161 vo	70-130
Acrolein	ug/m3	31	97	70-130
Pentane	ug/m3	40	106	70-130
Trichlorofluoromethane	ug/m3	76	103	70-130
Acetone	ug/m3	32	109	70-130
2-Propanol	ug/m3	33	104	70-130
1,1-Dichloroethene	ug/m3	54	95	70-130
trans-1,2-Dichloroethene	ug/m3	54	99	70-130
Methylene chloride	ug/m3	94	145 vo	70-130
t-Butyl alcohol (TBA)	ug/m3	41	103	70-130
3-Chloropropene	ug/m3	42	98	70-130
CFC-113	ug/m3	100	97	70-130
Carbon disulfide	ug/m3	42	89	70-130
Methyl t-butyl ether (MTBE)	ug/m3	49	94	70-130
Vinyl acetate	ug/m3	48	81	70-130
1,1-Dichloroethane	ug/m3	55	99	70-130
cis-1,2-Dichloroethene	ug/m3	54	99	70-130
Hexane	ug/m3	48	91	70-130
Chloroform	ug/m3	66	99	70-130
Ethyl acetate	ug/m3	49	97	70-130
Tetrahydrofuran	ug/m3	40	94	70-130
2-Butanone (MEK)	ug/m3	40	101	70-130
1,2-Dichloroethane (EDC)	ug/m3	55	101	70-130
1,1,1-Trichloroethane	ug/m3	74	99	70-130
Carbon tetrachloride	ug/m3	85	98	70-130
Benzene	ug/m3	43	97	70-130
Cyclohexane	ug/m3	46	95	70-130
1,2-Dichloropropane	ug/m3	62	86	70-130
1,4-Dioxane	ug/m3	49	92	70-130
2,2,4-Trimethylpentane	ug/m3	63	88	70-130

ENVIRONMENTAL CHEMISTS

Date of Report: 01/04/22 Date Received: 12/15/21

Project: Spic n' Span 060172, F&BI 112287

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF AIR SAMPLES FOR VOLATILES BY METHOD TO-15

Laboratory Code: Laboratory Control Sample (continued)

	Percent			
	Reporting	Spike	Recovery	Acceptance
Analyte	Units	Level	LCS	Criteria
Methyl methacrylate	ug/m3	55	87	70-130
Heptane	ug/m3	55	89	70-130
Bromodichloromethane	ug/m3	90	89	70-130
Trichloroethene	ug/m3	73	87	70-130
cis-1,3-Dichloropropene	ug/m3	61	89	70-130
4-Methyl-2-pentanone	ug/m3	55	97	70-130
trans-1,3-Dichloropropene	ug/m3	61	87	70-130
Toluene	ug/m3	51	87	70-130
1,1,2-Trichloroethane	ug/m3	74	84	70-130
2-Hexanone	ug/m3	55	87	70-130
Tetrachloroethene	ug/m3	92	92	70-130
Dibromochloromethane	ug/m3	120	91	70-130
1,2-Dibromoethane (EDB)	ug/m3	100	86	70-130
Chlorobenzene	ug/m3	62	98	70-130
Ethylbenzene	ug/m3	59	94	70-130
1,1,2,2-Tetrachloroethane	ug/m3	93	92	70-130
Nonane	ug/m3	71	93	70-130
Isopropylbenzene	ug/m3	66	95	70-130
2-Chlorotoluene	ug/m3	70	101	70-130
Propylbenzene	ug/m3	66	96	70-130
4-Ethyltoluene	ug/m3	66	95	70-130
m,p-Xylene	ug/m3	120	93	70-130
o-Xylene	ug/m3	59	99	70-130
Styrene	ug/m3	58	91	70-130
Bromoform	ug/m3	140	97	70-130
Benzyl chloride	ug/m3	70	98	70-130
1,3,5-Trimethylbenzene	ug/m3	66	95	70-130
1,2,4-Trimethylbenzene	ug/m3	66	96	70-130
1,3-Dichlorobenzene	ug/m3	81	98	70-130
1,4-Dichlorobenzene	ug/m3	81	92	70-130
1,2-Dichlorobenzene	ug/m3	81	94	70-130
1,2,4-Trichlorobenzene	ug/m3	100	74	70-130
Naphthalene	ug/m3	71	81	70-130
Hexachlorobutadiene	ug/m3	140	89	70-130

ENVIRONMENTAL CHEMISTS

Data Qualifiers & Definitions

- a The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.
- b The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.
- ca The calibration results for the analyte were outside of acceptance criteria. The value reported is an estimate.
- c The presence of the analyte may be due to carryover from previous sample injections.
- cf The sample was centrifuged prior to analysis.
- d The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.
- dv Insufficient sample volume was available to achieve normal reporting limits.
- f The sample was laboratory filtered prior to analysis.
- fb The analyte was detected in the method blank.
- fc The analyte is a common laboratory and field contaminant.
- hr The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.
- hs Headspace was present in the container used for analysis.
- ht The analysis was performed outside the method or client-specified holding time requirement.
- ip Recovery fell outside of control limits due to sample matrix effects.
- j The analyte concentration is reported below the lowest calibration standard. The value reported is an estimate.
- J The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.
- jl The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.
- js The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.
- lc The presence of the analyte is likely due to laboratory contamination.
- L The reported concentration was generated from a library search.
- nm The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.
- pc The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.
- ve The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.
- vo The value reported fell outside the control limits established for this analyte.
- x The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

AUDICOO NO MEETEO OF CONTROL

SAMPLERS (signature)

ME 121

TURNAROUND TIME

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NOTES: PROJECT WAME & ADDRES 30C UNDOS IN 000172 INVOICE TO PO# XStandard

SAMPLE INFORMATION Email JOUNEC BUSPECTURS HING, WM □ Archive (Fee may apply) SAMPLE DISPOSAL

Default: Clean after 3 days Rush charges authorized by:

ANALYSIS REQUESTED

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ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D. Yelena Aravkina, M.S. Michael Erdahl, B.S. Vineta Mills, M.S. Eric Young, B.S. 3012 16th Avenue West Seattle, WA 98119-2029 (206) 285-8282 fbi@isomedia.com www.friedmanandbruya.com

February 1, 2022

Jeremy Porter, Project Manager Aspect Consulting, LLC 710 2nd Ave S, Suite 550 Seattle, WA 98104

Dear Mr Porter:

Included are the results from the testing of material submitted on January 21, 2022 from the Spic n Span 060172, F&BI 201302 project. There are 13 pages included in this report.

We appreciate this opportunity to be of service to you and hope you will call if you have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.

Michael Erdahl Project Manager

Enclosures c: Aspect Data ASP0201R.DOC

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on January 21, 2022 by Friedman & Bruya, Inc. from the Aspect Consulting, LLC Spic n Span 060172, F&BI 201302 project. Samples were logged in under the laboratory ID's listed below.

<u>Laboratory ID</u>	Aspect Consulting, LLC
201302 -01	VGAC-1-EFF-012022
201302 -02	VGAC-1-INF-012022

Individually certified canisters were provided for TO-15 sampling.

Non-petroleum compounds identified in the air phase hydrocarbon (APH) ranges were subtracted per the MA-APH method.

The concentration of several analytes exceeded the calibration range of the instrument. The data were flagged accordingly.

All quality control requirements were acceptable.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By Method MA-APH

Client Sample ID: VGAC-1-EFF-012022 Client: Aspect Consulting, LLC Date Received: 01/21/22 Project: $060172, F\&BI\ 201302$ Date Collected: Lab ID: 01/20/22 201302-01 1/5.8 Date Analyzed: 01/27/22 Data File: 012631.DMatrix: Air Instrument: GCMS7 Units: ug/m3 Operator: bat

% Lower Upper Surrogates: Recovery: Limit: Limit: 4-Bromofluorobenzene 83 70 130

Concentration

Compounds: ug/m3

APH EC5-8 aliphatics 470 APH EC9-12 aliphatics 210 APH EC9-10 aromatics <140

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By Method MA-APH

Client Sample ID: VGAC-1-INF-012022 Client: Aspect Consulting, LLC Date Received: 01/21/22 Project: $060172, F\&BI\ 201302$ Date Collected: Lab ID: 01/20/22 201302-02 1/17 Date Analyzed: 01/27/22 Data File: 012633.DMatrix: Air Instrument: GCMS7

Matrix: Air Instrument: GCN Units: ug/m3 Operator: bat

Concentration

Compounds: ug/m3

 $\begin{array}{lll} \text{APH EC5-8 aliphatics} & 6,700 \\ \text{APH EC9-12 aliphatics} & 34,000 \text{ ve} \\ \text{APH EC9-10 aromatics} & 490 \end{array}$

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By Method MA-APH

Client Sample ID: Method Blank Client: Aspect Consulting, LLC Date Received: Not Applicable Project: $060172, F\&BI\ 201302$ Not Applicable Lab ID: Date Collected: 02-0214 MBDate Analyzed: 01/26/22 Data File: 012612.DMatrix: Air Instrument: GCMS7 Units: ug/m3 Operator: bat

% Lower Upper Surrogates: Recovery: Limit: Limit: 4-Bromofluorobenzene 83 70 130

Concentration

Compounds: ug/m3

APH EC5-8 aliphatics <75 APH EC9-12 aliphatics <25 APH EC9-10 aromatics <25

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By Method TO-15

Client Sample ID: VGAC-1-EFF-012022 Client: Aspect Consulting, LLC Date Received: Project: 060172, F&BI 201302 01/21/22 Lab ID: Date Collected: 01/20/22 201302-01 1/5.8 Date Analyzed: 01/27/22 Data File: 012631.DMatrix: GCMS7Air Instrument: ug/m3 Units: Operator: bat

	Concent	tration		Concer	itration
Compounds:	ug/m3	ppbv	Compounds:	ug/m3	ppbv
Propene	71	41	1,2-Dichloropropane	<1.3	< 0.29
Dichlorodifluoromethane	<2.9	< 0.58	1,4-Dioxane	<2.1	< 0.58
Chloromethane	<2.9 <22	<10	2,2,4-Trimethylpentane	<2.1 <27	<5.8
F-114	<4.1	< 0.58	Methyl methacrylate	<24	<5.8
	<1.5	< 0.58	· · ·	<24 <24	<5.8
Vinyl chloride	<0.26		Heptane Bromodichloromethane	< 0.39	<0.058
1,3-Butadiene Butane	<0.26 <28	<0.12 <12	Trichloroethene	< 0.62	<0.038
Bromomethane	<14	< 3.5	cis-1,3-Dichloropropene	< 2.6	< 0.58
Chloroethane	<15	< 5.8	4-Methyl-2-pentanone	<24	< 5.8
Vinyl bromide	<2.5	< 0.58	trans-1,3-Dichloropropene	< 2.6	< 0.58
Ethanol	200 ve	110 ve	Toluene	<110	<29
Acrolein	< 0.66	< 0.29	1,1,2-Trichloroethane	< 0.32	< 0.058
Pentane	<17	< 5.8	2-Hexanone	<24	< 5.8
Trichlorofluoromethane	<13	<2.3	Tetrachloroethene	<39	< 5.8
Acetone	810 ve	340 ve	Dibromochloromethane	< 0.49	< 0.058
2-Propanol	<50	<20	1,2-Dibromoethane (EDB)	< 0.45	< 0.058
1,1-Dichloroethene	<2.3	< 0.58	Chlorobenzene	< 2.7	< 0.58
trans-1,2-Dichloroethene	< 2.3	< 0.58	Ethylbenzene	4.6	1.1
Methylene chloride	<200	<58	1,1,2,2-Tetrachloroethane	< 0.8	< 0.12
t-Butyl alcohol (TBA)	< 70	<23	Nonane	<30	< 5.8
3-Chloropropene	<9.1	< 2.9	Isopropylbenzene	<14	< 2.9
CFC-113	<4.4	< 0.58	2-Chlorotoluene	<30	< 5.8
Carbon disulfide	<36	<12	Propylbenzene	<14	< 2.9
Methyl t-butyl ether (MTBE)	<10	< 2.9	4-Ethyltoluene	<14	< 2.9
Vinyl acetate	<41	<12	m,p-Xylene	17	3.8
1,1-Dichloroethane	< 2.3	< 0.58	o-Xylene	5.7	1.3
cis-1,2-Dichloroethene	< 2.3	< 0.58	Styrene	<4.9	<1.2
Hexane	<20	< 5.8	Bromoform	<12	<1.2
Chloroform	< 0.28	< 0.058	Benzyl chloride	< 0.3	< 0.058
Ethyl acetate	<42	<12	1,3,5-Trimethylbenzene	<14	< 2.9
Tetrahydrofuran	19	6.4	1,2,4-Trimethylbenzene	<14	< 2.9
2-Butanone (MEK)	<17	< 5.8	1,3-Dichlorobenzene	< 3.5	< 0.58
1,2-Dichloroethane (EDC)	< 0.23	< 0.058	1,4-Dichlorobenzene	<1.3	< 0.22
1,1,1-Trichloroethane	< 3.2	< 0.58	1,2-Dichlorobenzene	<3.5	< 0.58
Carbon tetrachloride	<1.8	< 0.29	1,2,4-Trichlorobenzene	<4.3	< 0.58
Benzene	<1.9	< 0.58	Naphthalene	<1.5	< 0.29
Cyclohexane	<40	<12	Hexachlorobutadiene	<1.2	< 0.12

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By Method TO-15

Client Sample ID: VGAC-1-INF-012022 Client: Aspect Consulting, LLC Date Received: Project: 060172, F&BI 201302 01/21/22 Lab ID: Date Collected: 01/20/22 201302-02 1/17 Date Analyzed: 01/27/22 Data File: 012633.DMatrix: GCMS7Air Instrument: ug/m3 Units: Operator: bat

	Concen	itration		Concer	ntration
Compounds:	ug/m3	ppbv	Compounds:	ug/m3	ppbv
Duonono	67	39	1 9 Dishlanannanana	<3.9	< 0.85
Propene			1,2-Dichloropropane		
Dichlorodifluoromethane	<8.4	<1.7	1,4-Dioxane	<6.1	<1.7
Chloromethane	<63	<31	2,2,4-Trimethylpentane	<79	<17
F-114	<12	<1.7	Methyl methacrylate	<70	<17
Vinyl chloride	<4.3	<1.7	Heptane	<70	<17
1,3-Butadiene	< 0.75	< 0.34	Bromodichloromethane	<1.1	< 0.17
Butane	<81	<34	Trichloroethene	100	19
Bromomethane	<40	<10	cis-1,3-Dichloropropene	<7.7	<1.7
Chloroethane	<45	<17	4-Methyl-2-pentanone	< 70	<17
Vinyl bromide	<7.4	<1.7	trans-1,3-Dichloropropene	<7.7	<1.7
Ethanol	280	150	Toluene	<320	<85
Acrolein	25	11	1,1,2-Trichloroethane	< 0.93	< 0.17
Pentane	< 50	<17	2-Hexanone	< 70	<17
Trichlorofluoromethane	<38	< 6.8	Tetrachloroethene	850	120
Acetone	4,600 ve	1,900 ve	Dibromochloromethane	<1.4	< 0.17
2-Propanol	<150	<59	1,2-Dibromoethane (EDB)	<1.3	< 0.17
1,1-Dichloroethene	< 6.7	<1.7	Chlorobenzene	< 7.8	<1.7
trans-1,2-Dichloroethene	< 6.7	< 1.7	Ethylbenzene	23	5.2
Methylene chloride	< 590	<170	1,1,2,2-Tetrachloroethane	< 2.3	< 0.34
t-Butyl alcohol (TBA)	<210	<68	Nonane	<89	<17
3-Chloropropene	<27	< 8.5	Isopropylbenzene	<42	< 8.5
CFC-113	<13	<1.7	2-Chlorotoluene	<88	<17
Carbon disulfide	<110	<34	Propylbenzene	<42	< 8.5
Methyl t-butyl ether (MTBE)		< 8.5	4-Ethyltoluene	<42	< 8.5
Vinyl acetate	<120	<34	m,p-Xylene	68	16
1,1-Dichloroethane	< 6.9	<1.7	o-Xylene	27	6.1
cis-1,2-Dichloroethene	47	12	Styrene	<14	< 3.4
Hexane	<60	<17	Bromoform	<35	<3.4
Chloroform	8.5	1.8	Benzyl chloride	< 0.88	< 0.17
Ethyl acetate	<120	<34	1,3,5-Trimethylbenzene	<42	<8.5
Tetrahydrofuran	33	11	1,2,4-Trimethylbenzene	46	9.3
2-Butanone (MEK)	760 ve	260 ve	1,3-Dichlorobenzene	<10	<1.7
1,2-Dichloroethane (EDC)	2.3	0.56	1,4-Dichlorobenzene	<3.9	< 0.65
1,1,1-Trichloroethane	<9.3	<1.7	1,2-Dichlorobenzene	<10	<1.7
Carbon tetrachloride	<5.3	< 0.85	1,2,4-Trichlorobenzene	<13	<1.7
Benzene	37	12	Naphthalene	270	52
Cyclohexane	<120	<34	Hexachlorobutadiene	<3.6	< 0.34
Cyclonexame	<u> </u>	~ 54	HEAGHIOLOUGIAGIEHE	~ა.0	~0.04

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By Method TO-15

Client Sample ID: Method Blank Client: Aspect Consulting, LLC Date Received: Not Applicable Project: 060172, F&BI 201302

Lab ID: Date Collected: Not Applicable 02-0214 MB01/26/22 Date Analyzed: Data File: $012612.\mathrm{D}$ Matrix: Air Instrument: GCMS7Units: ug/m3 Operator: bat

	%	Lower	$_{ m Upper}$
Surrogates:	Recovery:	Limit:	Limit:
4-Bromofluorobenzene	93	70	130

	Concen	tration		Concer	itration
Compounds:	ug/m3	ppbv	Compounds:	ug/m3	ppbv
Propene	<1.2	< 0.7	1,2-Dichloropropane	< 0.23	< 0.05
Dichlorodifluoromethane	< 0.49	< 0.1	1,4-Dioxane	< 0.36	< 0.1
Chloromethane	<3.7	<1.8	2,2,4-Trimethylpentane	<4.7	<1
F-114	< 0.7	< 0.1	Methyl methacrylate	<4.1	<1
Vinyl chloride	< 0.26	< 0.1	Heptane	<4.1	<1
1,3-Butadiene	< 0.044	< 0.02	Bromodichloromethane	< 0.067	< 0.01
Butane	<4.8	<2	Trichloroethene	< 0.11	< 0.02
Bromomethane	< 2.3	< 0.6	cis-1,3-Dichloropropene	< 0.45	< 0.1
Chloroethane	< 2.6	<1	4-Methyl-2-pentanone	<4.1	<1
Vinyl bromide	< 0.44	< 0.1	trans-1,3-Dichloropropene	< 0.45	< 0.1
Ethanol	<7.5	<4	Toluene	<19	<5
Acrolein	< 0.11	< 0.05	1,1,2-Trichloroethane	< 0.055	< 0.01
Pentane	<3	<1	2-Hexanone	<4.1	<1
Trichlorofluoromethane	< 2.2	< 0.4	Tetrachloroethene	<6.8	<1
Acetone	<4.8	<2	Dibromochloromethane	< 0.085	< 0.01
2-Propanol	<8.6	< 3.5	1,2-Dibromoethane (EDB)	< 0.077	< 0.01
1,1-Dichloroethene	< 0.4	< 0.1	Chlorobenzene	< 0.46	< 0.1
trans-1,2-Dichloroethene	< 0.4	< 0.1	Ethylbenzene	< 0.43	< 0.1
Methylene chloride	<35	<10	1,1,2,2-Tetrachloroethane	< 0.14	< 0.02
t-Butyl alcohol (TBA)	<12	<4	Nonane	< 5.2	<1
3-Chloropropene	<1.6	< 0.5	Isopropylbenzene	< 2.5	< 0.5
CFC-113	< 0.77	< 0.1	2-Chlorotoluene	< 5.2	<1
Carbon disulfide	<6.2	<2	Propylbenzene	< 2.5	< 0.5
Methyl t-butyl ether (MTBE)	<1.8	< 0.5	4-Ethyltoluene	< 2.5	< 0.5
Vinyl acetate	<7	<2	m,p-Xylene	< 0.87	< 0.2
1,1-Dichloroethane	< 0.4	< 0.1	o-Xylene	< 0.43	< 0.1
cis-1,2-Dichloroethene	< 0.4	< 0.1	Styrene	< 0.85	< 0.2
Hexane	<3.5	<1	Bromoform	< 2.1	< 0.2
Chloroform	< 0.049	< 0.01	Benzyl chloride	< 0.052	< 0.01
Ethyl acetate	< 7.2	<2	1,3,5-Trimethylbenzene	< 2.5	< 0.5
Tetrahydrofuran	< 0.59	< 0.2	1,2,4-Trimethylbenzene	< 2.5	< 0.5
2-Butanone (MEK)	< 2.9	<1	1,3-Dichlorobenzene	< 0.6	< 0.1
1,2-Dichloroethane (EDC)	< 0.04	< 0.01	1,4-Dichlorobenzene	< 0.23	< 0.038
1,1,1-Trichloroethane	< 0.55	< 0.1	1,2-Dichlorobenzene	< 0.6	< 0.1
Carbon tetrachloride	< 0.31	< 0.05	1,2,4-Trichlorobenzene	< 0.74	< 0.1
Benzene	< 0.32	< 0.1	Naphthalene	< 0.26	< 0.05
Cyclohexane	< 6.9	<2	Hexachlorobutadiene	< 0.21	< 0.02

ENVIRONMENTAL CHEMISTS

Date of Report: 02/01/22 Date Received: 01/21/22

Project: Spic n Span 060172, F&BI 201302

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF AIR SAMPLES FOR VOLATILES BY METHOD MA-APH

Laboratory Code: 201302-01 1/5.8 (Duplicate)

	Reporting	Sample	Duplicate	RPD
Analyte	Units	Result	Result	(Limit 30)
APH EC5-8 aliphatics	ug/m3	470	520	10
APH EC9-12 aliphatics	ug/m3	210	210	0
APH EC9-10 aromatics	ug/m3	<140	<140	nm

Laboratory Code: Laboratory Control Sample

			Percent	
	Reporting	Spike	Recovery	Acceptance
Analyte	Units	Level	LCS	Criteria
APH EC5-8 aliphatics	ug/m3	67	77	70-130
APH EC9-12 aliphatics	ug/m3	67	95	70-130
APH EC9-10 aromatics	ug/m3	67	96	70-130

ENVIRONMENTAL CHEMISTS

Date of Report: 02/01/22 Date Received: 01/21/22

Project: Spic n Span 060172, F&BI 201302

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF AIR SAMPLES FOR VOLATILES BY METHOD TO-15

Laboratory Code: 201302-01 1/5.8 (Duplicate)

	Reporting	Sample	Duplicate	RPD
Analyte	Units	Result	Result	(Limit 30)
Propene	ug/m3	71	61	15
Dichlorodifluoromethane	ug/m3	< 2.9	3.5	nm
Chloromethane	ug/m3	<22	<22	nm
F-114	ug/m3	<4.1	<4.1	nm
Vinyl chloride	ug/m3	<1.5	< 1.5	nm
1,3-Butadiene	ug/m3	< 0.26	< 0.26	nm
Butane	ug/m3	<28	<28	nm
Bromomethane	ug/m3	<14	<14	nm
Chloroethane	ug/m3	<15	<15	nm
Vinyl bromide	ug/m3	< 2.5	< 2.5	nm
Ethanol	ug/m3	200	190	5
Acrolein	ug/m3	< 0.66	< 0.66	nm
Pentane	ug/m3	<17	<17	nm
Trichlorofluoromethane	ug/m3	<13	<13	nm
Acetone	ug/m3	810	820	1
2-Propanol	ug/m3	< 50	< 50	nm
1,1-Dichloroethene	ug/m3	< 2.3	< 2.3	nm
trans-1,2-Dichloroethene	ug/m3	< 2.3	< 2.3	nm
Methylene chloride	ug/m3	<200	<200	nm
t-Butyl alcohol (TBA)	ug/m3	< 70	< 70	nm
3-Chloropropene	ug/m3	< 9.1	< 9.1	nm
CFC-113	ug/m3	<4.4	<4.4	nm
Carbon disulfide	ug/m3	<36	<36	nm
Methyl t-butyl ether (MTBE)	ug/m3	<10	<10	nm
Vinyl acetate	ug/m3	<41	<41	nm
1,1-Dichloroethane	ug/m3	< 2.3	< 2.3	nm
cis-1,2-Dichloroethene	ug/m3	< 2.3	< 2.3	nm
Hexane	ug/m3	<20	<20	nm
Chloroform	ug/m3	< 0.28	< 0.28	nm
Ethyl acetate	ug/m3	<42	<42	nm
Tetrahydrofuran	ug/m3	19	20	5
2-Butanone (MEK)	ug/m3	<17	<17	nm
1,2-Dichloroethane (EDC)	ug/m3	< 0.23	< 0.23	nm
1,1,1-Trichloroethane	ug/m3	< 3.2	<3.2	nm
Carbon tetrachloride	ug/m3	<1.8	<1.8	nm
Benzene	ug/m3	<1.9	<1.9	nm
Cyclohexane	ug/m3	<40	<40	nm
1,2-Dichloropropane	ug/m3	<1.3	<1.3	nm
1,4-Dioxane	ug/m3	< 2.1	< 2.1	nm
2,2,4-Trimethylpentane	ug/m3	<27	<27	nm

ENVIRONMENTAL CHEMISTS

Date of Report: 02/01/22 Date Received: 01/21/22

Project: Spic n Span 060172, F&BI 201302

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF AIR SAMPLES FOR VOLATILES BY METHOD TO-15

Laboratory Code: 201302-01 1/5.8 (Duplicate, continued)

	Reporting	Sample	Duplicate	RPD
Analyte	Units	Result	Result	(Limit 30)
Methyl methacrylate	ug/m3	<24	<24	nm
Heptane	ug/m3	<24	<24	nm
Bromodichloromethane	ug/m3	< 0.39	< 0.39	nm
Trichloroethene	ug/m3	< 0.62	< 0.62	nm
cis-1,3-Dichloropropene	ug/m3	< 2.6	< 2.6	nm
4-Methyl-2-pentanone	ug/m3	<24	<24	nm
trans-1,3-Dichloropropene	ug/m3	< 2.6	< 2.6	nm
Toluene	ug/m3	<110	<110	nm
1,1,2-Trichloroethane	ug/m3	< 0.32	< 0.32	nm
2-Hexanone	ug/m3	<24	<24	nm
Tetrachloroethene	ug/m3	<39	<39	nm
Dibromochloromethane	ug/m3	< 0.49	< 0.49	nm
1,2-Dibromoethane (EDB)	ug/m3	< 0.45	< 0.45	nm
Chlorobenzene	ug/m3	< 2.7	< 2.7	nm
Ethylbenzene	ug/m3	4.6	4.6	0
1,1,2,2-Tetrachloroethane	ug/m3	< 0.8	< 0.8	nm
Nonane	ug/m3	<30	<30	nm
Isopropylbenzene	ug/m3	<14	<14	nm
2-Chlorotoluene	ug/m3	<30	<30	nm
Propylbenzene	ug/m3	<14	<14	nm
4-Ethyltoluene	ug/m3	<14	<14	nm
m,p-Xylene	ug/m3	17	16	6
o-Xylene	ug/m3	5.7	5.6	2
Styrene	ug/m3	<4.9	<4.9	nm
Bromoform	ug/m3	<12	<12	nm
Benzyl chloride	ug/m3	< 0.3	< 0.3	nm
1,3,5-Trimethylbenzene	ug/m3	<14	<14	nm
1,2,4-Trimethylbenzene	ug/m3	<14	<14	nm
1,3-Dichlorobenzene	ug/m3	< 3.5	< 3.5	nm
1,4-Dichlorobenzene	ug/m3	<1.3	<1.3	nm
1,2-Dichlorobenzene	ug/m3	< 3.5	< 3.5	nm
1,2,4-Trichlorobenzene	ug/m3	<4.3	<4.3	nm
Naphthalene	ug/m3	<1.5	<1.5	nm
Hexachlorobutadiene	ug/m3	<1.2	<1.2	nm

ENVIRONMENTAL CHEMISTS

Date of Report: 02/01/22 Date Received: 01/21/22

Project: Spic n Span 060172, F&BI 201302

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF AIR SAMPLES FOR VOLATILES BY METHOD TO-15

Laboratory Code: Laboratory Control Sample

Dasoratory Code. Dasoratory Con	teror sample		Percent	
	Reporting	Spike	Recovery	Acceptance
Analyte	Units	Level	LCS	Criteria
Propene	ug/m3	23	85	70-130
Dichlorodifluoromethane	ug/m3	67	107	70-130
Chloromethane	ug/m3	28	89	70-130
F-114	ug/m3	94	105	70-130
Vinyl chloride	ug/m3	35	96	70-130
1,3-Butadiene	ug/m3	30	92	70-130
Butane	ug/m3	32	95	70-130
Bromomethane	ug/m3	52	104	70-130
Chloroethane	ug/m3	36	98	70-130
Vinyl bromide	ug/m3	59	99	70-130
Ethanol	ug/m3	25	119	70-130
Acrolein	ug/m3	31	95	70-130
Pentane	ug/m3	40	97	70-130
Trichlorofluoromethane	ug/m3	76	108	70-130
Acetone	ug/m3	32	97	70-130
2-Propanol	ug/m3	33	93	70-130
1,1-Dichloroethene	ug/m3	54	97	70-130
trans-1,2-Dichloroethene	ug/m3	54	98	70-130
Methylene chloride	ug/m3	94	77	70-130
t-Butyl alcohol (TBA)	ug/m3	41	95	70-130
3-Chloropropene	ug/m3	42	93	70-130
CFC-113	ug/m3	100	107	70-130
Carbon disulfide	ug/m3	42	93	70-130
Methyl t-butyl ether (MTBE)	ug/m3	49	95	70-130
Vinyl acetate	ug/m3	48	85	70-130
1,1-Dichloroethane	ug/m3	55	99	70-130
cis-1,2-Dichloroethene	ug/m3	54	97	70-130
Hexane	ug/m3	48	95	70-130
Chloroform	ug/m3	66	105	70-130
Ethyl acetate	ug/m3	49	100	70-130
Tetrahydrofuran	ug/m3	40	87	70-130
2-Butanone (MEK)	ug/m3	40	100	70-130
1,2-Dichloroethane (EDC)	ug/m3	55	109	70-130
1,1,1-Trichloroethane	ug/m3	74	108	70-130
Carbon tetrachloride	ug/m3	85	111	70-130
Benzene	ug/m3	43	95	70-130
Cyclohexane	ug/m3	46	91	70-130
1,2-Dichloropropane	ug/m3	62	94	70-130
1,4-Dioxane	ug/m3	49	98	70-130
2,2,4-Trimethylpentane	ug/m3	63	96	70-130

ENVIRONMENTAL CHEMISTS

Date of Report: 02/01/22 Date Received: 01/21/22

Project: Spic n Span 060172, F&BI 201302

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF AIR SAMPLES FOR VOLATILES BY METHOD TO-15

Laboratory Code: Laboratory Control Sample (Continued)

		(Percent	
	Reporting	Spike	Recovery	Acceptance
Analyte	Units	Level	LCS	Criteria
Methyl methacrylate	ug/m3	55	98	70-130
Heptane	ug/m3	55	92	70-130
Bromodichloromethane	ug/m3	90	108	70-130
Trichloroethene	ug/m3	73	101	70-130
cis-1,3-Dichloropropene	ug/m3	61	103	70-130
4-Methyl-2-pentanone	ug/m3	55	96	70-130
trans-1,3-Dichloropropene	ug/m3	61	109	70-130
Toluene	ug/m3	51	108	70-130
1,1,2-Trichloroethane	ug/m3	74	103	70-130
2-Hexanone	ug/m3	55	93	70-130
Tetrachloroethene	ug/m3	92	115	70-130
Dibromochloromethane	ug/m3	120	113	70-130
1,2-Dibromoethane (EDB)	ug/m3	100	100	70-130
Chlorobenzene	ug/m3	62	112	70-130
Ethylbenzene	ug/m3	59	97	70-130
1,1,2,2-Tetrachloroethane	ug/m3	93	101	70-130
Nonane	ug/m3	71	82	70-130
Isopropylbenzene	ug/m3	66	112	70-130
2-Chlorotoluene	ug/m3	70	106	70-130
Propylbenzene	ug/m3	66	98	70-130
4-Ethyltoluene	ug/m3	66	96	70-130
m,p-Xylene	ug/m3	120	100	70-130
o-Xylene	ug/m3	59	101	70-130
Styrene	ug/m3	58	98	70-130
Bromoform	ug/m3	140	121	70-130
Benzyl chloride	ug/m3	70	106	70-130
1,3,5-Trimethylbenzene	ug/m3	66	92	70-130
1,2,4-Trimethylbenzene	ug/m3	66	88	70-130
1,3-Dichlorobenzene	ug/m3	81	110	70-130
1,4-Dichlorobenzene	ug/m3	81	97	70-130
1,2-Dichlorobenzene	ug/m3	81	104	70-130
1,2,4-Trichlorobenzene	ug/m3	100	95	70-130
Naphthalene	ug/m3	71	92	70-130
Hexachlorobutadiene	ug/m3	140	122	70-130

ENVIRONMENTAL CHEMISTS

Data Qualifiers & Definitions

- a The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.
- b The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.
- ca The calibration results for the analyte were outside of acceptance criteria. The value reported is an estimate.
- c The presence of the analyte may be due to carryover from previous sample injections.
- cf The sample was centrifuged prior to analysis.
- d The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.
- dv Insufficient sample volume was available to achieve normal reporting limits.
- f The sample was laboratory filtered prior to analysis.
- fb The analyte was detected in the method blank.
- fc The analyte is a common laboratory and field contaminant.
- hr The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.
- hs Headspace was present in the container used for analysis.
- ht The analysis was performed outside the method or client-specified holding time requirement.
- ip Recovery fell outside of control limits due to sample matrix effects.
- j The analyte concentration is reported below the lowest calibration standard. The value reported is an estimate.
- J The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.
- jl The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.
- js The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.
- lc The presence of the analyte is likely due to laboratory contamination.
- L The reported concentration was generated from a library search.
- nm The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.
- pc The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.
- ve The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.
- vo The value reported fell outside the control limits established for this analyte.
- x The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

Report To BYCMy BYC City, State, ZIP SCATIC, WA 98104 Address 710 2rd AND SUITE 550 Company ASPECT CONSUMMOR 201302

SAMPLE CHAIN OF CUSTODY

01-21-22

Page#_

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City, State, ZIP SCAMPC, WA 98104	NOTES:	INVOICE TO
Phone 200. 790: 2129 Email JUNE COSTUTIONS IN NY COM	un ng can	

Standard □ RUSH_

Rush charges authorized by:

SAMPLE DISPOSAL

☐ Archive (Fee may apply) □ Default: Clean after 3 days

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Friedman & Bruya, Inc.	SIGNATURE	PRINT NAME _	COMPANY	DATE	EMIL
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Seattle, WA 98119-2029	Received by: M.D. W.A.		2,5	1/21/22	755
Ph. (206) 285-8282	Relinquish by:				
Fax (206) 283-5044	Received by:				
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ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D. Yelena Aravkina, M.S. Michael Erdahl, B.S. Arina Podnozova, B.S. Eric Young, B.S. 3012 16th Avenue West Seattle, WA 98119-2029 (206) 285-8282 fbi@isomedia.com www.friedmanandbruya.com

August 23, 2021

Jeremy Porter, Project Manager Aspect Consulting, LLC 710 2nd Ave S, Suite 550 Seattle, WA 98104

Dear Mr Porter:

Included are the results from the testing of material submitted on August 17, 2021 from the Spic'N Span 060172, F&BI 108267 project. There are 13 pages included in this report.

We appreciate this opportunity to be of service to you and hope you will call if you have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.

Michael Erdahl Project Manager

Enclosures c: Aspect Data ASP0823R.DOC

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on August 17, 2021 by Friedman & Bruya, Inc. from the Aspect Consulting, LLC Spic'N Span 060172, F&BI 108267 project. Samples were logged in under the laboratory ID's listed below.

<u>Laboratory ID</u>	Aspect Consulting, LLC
108267 -01	VGAC-1-INF-081721
108267 -02	VGAC-1-EFF-081721

Non-petroleum compounds identified in the air phase hydrocarbon (APH) ranges were subtracted per the MA-APH method.

Individually certified canisters were provided for TO-15 sampling.

The APH EC5-8 aliphatics, APH EC9-12 aliphatics, acetone and tetrachloroethene concentration in sample VGAC-1-INF-081721 exceeded the calibration range of the instrument. The data were flagged accordingly.

All other quality control requirements were acceptable.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By Method MA-APH

Client Sample ID: VGAC-1-INF-081721 Client: Aspect Consulting, LLC

Date Received: 08/17/21 Project: Spic'N Span 060172, F&BI 108267

Lab ID: 108267-01 1/5.9 Date Collected: 08/17/21 Date Analyzed: 08/18/21 Data File: 081817.DMatrix: Instrument: GCMS8 Air Units: ug/m3 Operator: bat

Concentration

Compounds: ug/m3

APH EC5-8 aliphatics 10,000 ve APH EC9-12 aliphatics 28,000 ve APH EC9-10 aromatics 410

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By Method MA-APH

Client Sample ID: VGAC-1-EFF-081721 Client: Aspect Consulting, LLC

Date Received: 08/17/21 Project: Spic'N Span 060172, F&BI 108267

Lab ID: Date Collected: 08/17/21 108267-02 1/4.1 Date Analyzed: 08/19/21 Data File: 081911.DMatrix: Instrument: GCMS8 Air Units: ug/m3 Operator: bat

% Lower Upper Surrogates: Recovery: Limit: Limit: 4-Bromofluorobenzene 86 70 130

Concentration

Compounds: ug/m3

APH EC5-8 aliphatics 310 APH EC9-12 aliphatics 250 APH EC9-10 aromatics <100

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By Method MA-APH

Client Sample ID: Method Blank Client: Aspect Consulting, LLC

Date Received: Not Applicable Project: Spic'N Span 060172, F&BI 108267

Not Applicable Lab ID: Date Collected: 01-1851 MBDate Analyzed: 08/18/21 Data File: 081816.DMatrix: Instrument: GCMS8 Air Units: ug/m3 Operator: bat

Surrogates: Recovery: Limit: Limit: 4-Bromofluorobenzene 87 70 130

Concentration

Compounds: ug/m3

APH EC5-8 aliphatics <75 APH EC9-12 aliphatics <25 APH EC9-10 aromatics <25

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By Method TO-15

Client Sample ID: VGAC-1-INF-081721 Client: Aspect Consulting, LLC

Date Received: 08/17/21 Project: Spic'N Span 060172, F&BI 108267

Lab ID: Date Collected: 108267-01 1/5.9 08/17/21 Date Analyzed: 08/18/21 Data File: $081817.\mathrm{D}$ Matrix: Air Instrument: GCMS8Units: ug/m3 Operator: bat

	%	Lower	Upper
Surrogates:	Recovery:	Limit:	Limit:
4-Bromofluorobenzene	118	70	130

	Concen	tration		Conce	ntration
Compounds:	ug/m3	ppbv	Compounds:	ug/m3	ppbv
_					
Propene	<7.1	<4.1	1,2-Dichloropropane	2.6	0.55
Dichlorodifluoromethane	6.0	1.2	1,4-Dioxane	<2.1	< 0.59
Chloromethane	<22	<11	2,2,4-Trimethylpentane	<28	< 5.9
F-114	<4.1	< 0.59	Methyl methacrylate	<24	< 5.9
Vinyl chloride	5.1	2.0	Heptane	<24	< 5.9
1,3-Butadiene	< 0.26	< 0.12	Bromodichloromethane	< 0.4	< 0.059
Butane	<28	<12	Trichloroethene	380	71
Bromomethane	<14	< 3.5	cis-1,3-Dichloropropene	< 2.7	< 0.59
Chloroethane	<16	< 5.9	4-Methyl-2-pentanone	<24	< 5.9
Vinyl bromide	< 2.6	< 0.59	trans-1,3-Dichloropropene	< 2.7	< 0.59
Ethanol	<44	<24	Toluene	<110	<29
Acrolein	3.8	1.6	1,1,2-Trichloroethane	< 0.32	< 0.059
Pentane	22	7.6	2-Hexanone	<24	< 5.9
Trichlorofluoromethane	<13	<2.4	Tetrachloroethene	9,900 ve	
Acetone	210 ve	89 ve	Dibromochloromethane	< 0.5	< 0.059
2-Propanol	<51	<21	1,2-Dibromoethane (EDB)	< 0.45	< 0.059
1,1-Dichloroethene	<2.3	< 0.59	Chlorobenzene	<2.7	< 0.59
trans-1,2-Dichloroethene	9.9	2.5	Ethylbenzene	8.9	2.1
Methylene chloride	<200 jl	<59 jl	1,1,2,2-Tetrachloroethane	< 0.81	< 0.12
t-Butyl alcohol (TBA)	<72	<24	Nonane	<31 ca	<5.9 ca
3-Chloropropene	<9.2	<2.9	Isopropylbenzene	16	3.2
CFC-113	<4.5	< 0.59	2-Chlorotoluene	<31	< 5.9
Carbon disulfide	210	68	Propylbenzene	<15	<2.9
Methyl t-butyl ether (MTBE)	<11	<2.9	4-Ethyltoluene	<15	<2.9
Vinyl acetate	<42	<12	m,p-Xylene	27	6.2
1,1-Dichloroethane	<2.4	< 0.59	o-Xylene	11	2.6
cis-1,2-Dichloroethene	180	45	Styrene	<5	<1.2
Hexane	<21	<5.9	Bromoform	<12	<1.2
Chloroform	14	$\frac{5.9}{2.9}$	Benzyl chloride	< 0.31	<0.059
Ethyl acetate	<43	<12	1,3,5-Trimethylbenzene	<15	<2.9
Tetrahydrofuran	~43 34	11	1,2,4-Trimethylbenzene	19	3.9
·		15	• •		
2-Butanone (MEK)	43		1,3-Dichlorobenzene	< 3.5	< 0.59
1,2-Dichloroethane (EDC)	15	3.8	1,4-Dichlorobenzene	<1.3	< 0.22
1,1,1-Trichloroethane	<3.2	< 0.59	1,2-Dichlorobenzene	< 3.5	< 0.59
Carbon tetrachloride	<1.9	< 0.29	1,2,4-Trichlorobenzene	<4.4	< 0.59
Benzene	24	7.5	Naphthalene	8.8	1.7
Cyclohexane	<41	<12	Hexachlorobutadiene	<1.3	< 0.12

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By Method TO-15

Client Sample ID: VGAC-1-EFF-081721 Client: Aspect Consulting, LLC

Date Received: 08/17/21 Project: Spic'N Span 060172, F&BI 108267

Lab ID: Date Collected: 108267-02 1/4.1 08/17/21 Date Analyzed: 08/19/21 Data File: 081911.DMatrix: Instrument: GCMS8Air Operator: Units: ug/m3 bat

	%	Lower	Upper
Surrogates:	Recovery:	Limit:	Limit:
4-Bromofluorobenzene	86	70	130

	Concen	tration		Concer	ntration
Compounds:	ug/m3	ppbv	Compounds:	ug/m3	ppbv
Durana	-10	<2.9	1 9 Diallanananana	<0.0 5	< 0.2
Propene Dichlorodifluoromethane	<4.9 3.1	0.63	1,2-Dichloropropane	< 0.95	
			1,4-Dioxane	<1.5	< 0.41
Chloromethane	<15	< 7.4	2,2,4-Trimethylpentane	<19	<4.1
F-114	< 2.9	< 0.41	Methyl methacrylate	<17	<4.1
Vinyl chloride	2.4	0.93	Heptane	<17	<4.1
1,3-Butadiene	< 0.18	< 0.082	Bromodichloromethane	< 0.27	< 0.041
Butane	<19	<8.2	Trichloroethene	< 0.44	< 0.082
Bromomethane	<9.6	<2.5	cis-1,3-Dichloropropene	<1.9	< 0.41
Chloroethane	<11	<4.1	4-Methyl-2-pentanone	<17	<4.1
Vinyl bromide	<1.8	< 0.41	trans-1,3-Dichloropropene	<1.9	< 0.41
Ethanol	<31	<16	Toluene	<77	<20
Acrolein	< 0.45	< 0.21	1,1,2-Trichloroethane	< 0.22	< 0.041
Pentane	<12	<4.1	2-Hexanone	<17	<4.1
Trichlorofluoromethane	< 9.2	<1.6	Tetrachloroethene	<28	<4.1
Acetone	<19	<8.2	Dibromochloromethane	< 0.35	< 0.041
2-Propanol	<35	<14	1,2-Dibromoethane (EDB)	< 0.32	< 0.041
1,1-Dichloroethene	<1.6	< 0.41	Chlorobenzene	<1.9	< 0.41
trans-1,2-Dichloroethene	<1.6	< 0.41	Ethylbenzene	3.7	0.85
Methylene chloride	<140 jl	<41 jl	1,1,2,2-Tetrachloroethane	< 0.56	< 0.082
t-Butyl alcohol (TBA)	< 50	<16	Nonane	<22	<4.1
3-Chloropropene	< 6.4	<2	Isopropylbenzene	11	2.3
CFC-113	<3.1	< 0.41	2-Chlorotoluene	<21	<4.1
Carbon disulfide	<26	<8.2	Propylbenzene	<10	<2
Methyl t-butyl ether (MTBE)	<7.4	<2	4-Ethyltoluene	<10	<2
Vinyl acetate	<29	<8.2	m,p-Xylene	15	3.4
1,1-Dichloroethane	<1.7	< 0.41	o-Xylene	4.8	1.1
cis-1,2-Dichloroethene	<1.6	< 0.41	Styrene	< 3.5	< 0.82
Hexane	<14	<4.1	Bromoform	< 8.5	< 0.82
Chloroform	< 0.2	< 0.041	Benzyl chloride	< 0.21	< 0.041
Ethyl acetate	<30	<8.2	1,3,5-Trimethylbenzene	<10	<2
Tetrahydrofuran	19	6.4	1,2,4-Trimethylbenzene	<10	<2
2-Butanone (MEK)	<12	<4.1	1,3-Dichlorobenzene	< 2.5	< 0.41
1,2-Dichloroethane (EDC)	< 0.17	< 0.041	1,4-Dichlorobenzene	< 0.94	< 0.16
1,1,1-Trichloroethane	<2.2	< 0.41	1,2-Dichlorobenzene	<2.5	< 0.41
Carbon tetrachloride	<1.3	< 0.2	1,2,4-Trichlorobenzene	<3	< 0.41
Benzene	1.7	0.52	Naphthalene	<1.1	<0.2
Cyclohexane	<28	<8.2	Hexachlorobutadiene	< 0.87	< 0.082
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ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By Method TO-15

Client Sample ID: Method Blank Client: Aspect Consulting, LLC

Date Received: Not Applicable Project: Spic'N Span 060172, F&BI 108267

Lab ID: Date Collected: 08/18/21 01-1851 MB 08/18/21 Date Analyzed: Data File: $081816.\mathrm{D}$ Matrix: Air Instrument: GCMS8Operator: Units: ug/m3 bat

	%	Lower	$_{ m Upper}$
Surrogates:	Recovery:	Limit:	Limit:
4-Bromofluorobenzene	87	70	130

	Concen	tration		Concer	ntration
Compounds:	ug/m3	ppbv	Compounds:	ug/m3	ppbv
D.,	-1.0	< 0.7	1.0 Diable	-0.0 0	<0.0F
Propene	<1.2		1,2-Dichloropropane	<0.23	< 0.05
Dichlorodifluoromethane	< 0.49	< 0.1	1,4-Dioxane	< 0.36	< 0.1
Chloromethane	< 3.7	<1.8	2,2,4-Trimethylpentane	<4.7	<1
F-114	< 0.7	< 0.1	Methyl methacrylate	<4.1	<1
Vinyl chloride	< 0.26	< 0.1	Heptane	<4.1	<1
1,3-Butadiene	< 0.044	< 0.02	Bromodichloromethane	< 0.067	< 0.01
Butane	<4.8	<2	Trichloroethene	< 0.11	< 0.02
Bromomethane	<2.3	< 0.6	cis-1,3-Dichloropropene	< 0.45	< 0.1
Chloroethane	< 2.6	<1	4-Methyl-2-pentanone	<4.1	<1
Vinyl bromide	< 0.44	< 0.1	trans-1,3-Dichloropropene	< 0.45	< 0.1
Ethanol	<7.5	<4	Toluene	<19	<5
Acrolein	< 0.11	< 0.05	1,1,2-Trichloroethane	< 0.055	< 0.01
Pentane	<3	<1	2-Hexanone	<4.1	<1
Trichlorofluoromethane	< 2.2	< 0.4	Tetrachloroethene	<6.8	<1
Acetone	<4.8	<2	Dibromochloromethane	< 0.085	< 0.01
2-Propanol	<8.6	< 3.5	1,2-Dibromoethane (EDB)	< 0.077	< 0.01
1,1-Dichloroethene	< 0.4	< 0.1	Chlorobenzene	< 0.46	< 0.1
trans-1,2-Dichloroethene	< 0.4	< 0.1	Ethylbenzene	< 0.43	< 0.1
Methylene chloride	<35 jl	<10 jl	1,1,2,2-Tetrachloroethane	< 0.14	< 0.02
t-Butyl alcohol (TBA)	<12	<4	Nonane	<5.2 ca	<1 ca
3-Chloropropene	< 1.6	< 0.5	Isopropylbenzene	< 2.5	< 0.5
CFC-113	< 0.77	< 0.1	2-Chlorotoluene	< 5.2	<1
Carbon disulfide	< 6.2	<2	Propylbenzene	< 2.5	< 0.5
Methyl t-butyl ether (MTBE)	<1.8	< 0.5	4-Ethyltoluene	< 2.5	< 0.5
Vinyl acetate	<7	<2	m,p-Xylene	< 0.87	< 0.2
1,1-Dichloroethane	< 0.4	< 0.1	o-Xylene	< 0.43	< 0.1
cis-1,2-Dichloroethene	< 0.4	< 0.1	Styrene	< 0.85	< 0.2
Hexane	< 3.5	<1	Bromoform	<2.1	< 0.2
Chloroform	< 0.049	< 0.01	Benzyl chloride	< 0.052	< 0.01
Ethyl acetate	<7.2	<2	1,3,5-Trimethylbenzene	<2.5	< 0.5
Tetrahydrofuran	< 0.59	< 0.2	1,2,4-Trimethylbenzene	<2.5	< 0.5
2-Butanone (MEK)	< 2.9	<1	1,3-Dichlorobenzene	< 0.6	< 0.1
1,2-Dichloroethane (EDC)	< 0.04	< 0.01	1,4-Dichlorobenzene	< 0.23	< 0.038
1,1,1-Trichloroethane	< 0.55	< 0.1	1,2-Dichlorobenzene	<0.6	<0.1
Carbon tetrachloride	< 0.31	< 0.05	1,2,4-Trichlorobenzene	< 0.74	< 0.1
Benzene	< 0.32	<0.1	Naphthalene	< 0.26	< 0.05
Cyclohexane	<6.9	<2	Hexachlorobutadiene	< 0.21	< 0.03
Cyclonexame	~0. <i>0</i>	74	11GAACIIIOI ODAGAAIGIIE	~0.21	~0.0 <i>2</i>

ENVIRONMENTAL CHEMISTS

Date of Report: 08/23/21 Date Received: 08/17/21

Project: Spic'N Span 060172, F&BI 108267

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF AIR SAMPLES FOR VOLATILES BY METHOD MA-APH

Laboratory Code: 108267-01 1/5.9 (Duplicate)

	Reporting	Sample	Duplicate	RPD
Analyte	Units	Result	Result	(Limit 30)
APH EC5-8 aliphatics	ug/m3	10,000	9,700	3
APH EC9-12 aliphatics	ug/m3	28,000	28,000	0
APH EC9-10 aromatics	ug/m3	410	370	10

Laboratory Code: Laboratory Control Sample

			Percent	
	Reporting	Spike	Recovery	Acceptance
Analyte	Units	Level	LCS	Criteria
APH EC5-8 aliphatics	ug/m3	67	83	70-130
APH EC9-12 aliphatics	ug/m3	67	104	70-130
APH EC9-10 aromatics	ug/m3	67	90	70-130

ENVIRONMENTAL CHEMISTS

Date of Report: 08/23/21 Date Received: 08/17/21

Project: Spic'N Span 060172, F&BI 108267

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF AIR SAMPLES FOR VOLATILES BY METHOD TO-15

Laboratory Code: 108267-01 1/5.9 (Duplicate)

	Reporting	Sample	Duplicate	RPD
Analyte	Units	Result	Result	(Limit 30)
Propene	ug/m3	< 7.1	<7.1	nm
Dichlorodifluoromethane	ug/m3	6.0	5.0	18
Chloromethane	ug/m3	<22	<22	nm
F-114	ug/m3	<4.1	<4.1	nm
Vinyl chloride	ug/m3	5.1	4.7	8
1,3-Butadiene	ug/m3	< 0.26	< 0.26	nm
Butane	ug/m3	<28	<28	nm
Bromomethane	ug/m3	<14	<14	nm
Chloroethane	ug/m3	<16	<16	nm
Vinyl bromide	ug/m3	< 2.6	< 2.6	nm
Ethanol	ug/m3	<44	<44	nm
Acrolein	ug/m3	3.8	3.8	0
Pentane	ug/m3	22	19	15
Trichlorofluoromethane	ug/m3	<13	<13	nm
Acetone	ug/m3	210	210	0
2-Propanol	ug/m3	<51	<51	nm
1,1-Dichloroethene	ug/m3	< 2.3	< 2.3	nm
trans-1,2-Dichloroethene	ug/m3	9.9	9.6	3
Methylene chloride	ug/m3	< 200	<200	nm
t-Butyl alcohol (TBA)	ug/m3	<72	<72	nm
3-Chloropropene	ug/m3	< 9.2	< 9.2	nm
CFC-113	ug/m3	< 4.5	< 4.5	nm
Carbon disulfide	ug/m3	210	200	5
Methyl t-butyl ether (MTBE)	ug/m3	<11	<11	nm
Vinyl acetate	ug/m3	<42	<42	nm
1,1-Dichloroethane	ug/m3	< 2.4	< 2.4	nm
cis-1,2-Dichloroethene	ug/m3	180	180	0
Hexane	ug/m3	<21	<21	nm
Chloroform	ug/m3	14	14	0
Ethyl acetate	ug/m3	<43	<43	nm
Tetrahydrofuran	ug/m3	34	33	3
2-Butanone (MEK)	ug/m3	43	48	11
1,2-Dichloroethane (EDC)	ug/m3	15	15	0
1,1,1-Trichloroethane	ug/m3	< 3.2	< 3.2	nm
Carbon tetrachloride	ug/m3	<1.9	<1.9	nm
Benzene	ug/m3	24	24	0
Cyclohexane	ug/m3	<41	<41	nm
1,2-Dichloropropane	ug/m3	2.6	2.5	4
1,4-Dioxane	ug/m3	< 2.1	< 2.1	nm
2,2,4-Trimethylpentane	ug/m3	<28	<28	nm

ENVIRONMENTAL CHEMISTS

Date of Report: 08/23/21 Date Received: 08/17/21

Project: Spic'N Span 060172, F&BI 108267

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF AIR SAMPLES FOR VOLATILES BY METHOD TO-15

Laboratory Code: 108267-01 1/5.9 (Duplicate)

	Reporting	Sample	Duplicate	RPD
Analyte	Units	Result	Result	(Limit 30)
Methyl methacrylate	ug/m3	<24	<24	nm
Heptane	ug/m3	<24	<24	nm
Bromodichloromethane	ug/m3	< 0.4	< 0.4	nm
Trichloroethene	ug/m3	380	370	3
cis-1,3-Dichloropropene	ug/m3	< 2.7	< 2.7	nm
4-Methyl-2-pentanone	ug/m3	<24	<24	nm
trans-1,3-Dichloropropene	ug/m3	< 2.7	< 2.7	nm
Toluene	ug/m3	<110	<110	nm
1,1,2-Trichloroethane	ug/m3	< 0.32	< 0.32	nm
2-Hexanone	ug/m3	<24	<24	nm
Tetrachloroethene	ug/m3	9,900	9,400	5
Dibromochloromethane	ug/m3	< 0.5	< 0.5	nm
1,2-Dibromoethane (EDB)	ug/m3	< 0.45	< 0.45	nm
Chlorobenzene	ug/m3	< 2.7	< 2.7	nm
Ethylbenzene	ug/m3	8.9	8.4	6
1,1,2,2-Tetrachloroethane	ug/m3	< 0.81	< 0.81	nm
Nonane	ug/m3	<31	<31	nm
Isopropylbenzene	ug/m3	16	17	6
2-Chlorotoluene	ug/m3	<31	<31	nm
Propylbenzene	ug/m3	<15	<15	nm
4-Ethyltoluene	ug/m3	<15	<15	nm
m,p-Xylene	ug/m3	27	27	0
o-Xylene	ug/m3	11	11	0
Styrene	ug/m3	<5	<5	nm
Bromoform	ug/m3	<12	<12	nm
Benzyl chloride	ug/m3	< 0.31	< 0.31	nm
1,3,5-Trimethylbenzene	ug/m3	<15	<15	nm
1,2,4-Trimethylbenzene	ug/m3	19	20	5
1,3-Dichlorobenzene	ug/m3	< 3.5	< 3.5	nm
1,4-Dichlorobenzene	ug/m3	<1.3	<1.3	nm
1,2-Dichlorobenzene	ug/m3	< 3.5	< 3.5	nm
1,2,4-Trichlorobenzene	ug/m3	<4.4	<4.4	nm
Naphthalene	ug/m3	8.8	9.2	4
Hexachlorobutadiene	ug/m3	<1.3	<1.3	nm

ENVIRONMENTAL CHEMISTS

Date of Report: 08/23/21 Date Received: 08/17/21

Project: Spic'N Span 060172, F&BI 108267

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF AIR SAMPLES FOR VOLATILES BY METHOD TO-15

Laboratory Code: Laboratory Control Sample

			Percent	
	Reporting	Spike	Recovery	Acceptance
Analyte	Units	Level	LCS	Criteria
Propene	ug/m3	23	109	70-130
Dichlorodifluoromethane	ug/m3	67	89	70-130
Chloromethane	ug/m3	28	101	70-130
F-114	ug/m3	94	99	70-130
Vinyl chloride	ug/m3	35	82	70-130
1,3-Butadiene	ug/m3	30	89	70-130
Butane	ug/m3	32	80	70-130
Bromomethane	ug/m3	52	100	70-130
Chloroethane	ug/m3	36	97	70-130
Vinyl bromide	ug/m3	59	98	70-130
Ethanol	ug/m3	25	93	70-130
Acrolein	ug/m3	31	85	70-130
Pentane	ug/m3	40	82	70-130
Trichlorofluoromethane	ug/m3	76	107	70-130
Acetone	ug/m3	32	91	70-130
2-Propanol	ug/m3	33	81	70-130
1,1-Dichloroethene	ug/m3	54	94	70-130
trans-1,2-Dichloroethene	ug/m3	54	95	70-130
Methylene chloride	ug/m3	94	62 vo	70-130
t-Butyl alcohol (TBA)	ug/m3	41	93	70-130
3-Chloropropene	ug/m3	42	85	70-130
CFC-113	ug/m3	100	94	70-130
Carbon disulfide	ug/m3	42	93	70-130
Methyl t-butyl ether (MTBE)	ug/m3	49	96	70-130
Vinyl acetate	ug/m3	48	73	70-130
1,1-Dichloroethane	ug/m3	55	97	70-130
cis-1,2-Dichloroethene	ug/m3	54	98	70-130
Hexane	ug/m3	48	83	70-130
Chloroform	ug/m3	66	103	70-130
Ethyl acetate	ug/m3	49	88	70-130
Tetrahydrofuran	ug/m3	40	80	70-130
2-Butanone (MEK)	ug/m3	40	84	70-130
1,2-Dichloroethane (EDC)	ug/m3	55	110	70-130
1,1,1-Trichloroethane	ug/m3	74	109	70-130
Carbon tetrachloride	ug/m3	85	110	70-130
Benzene	ug/m3	43	95	70-130
Cyclohexane	ug/m3	46	99	70-130
1,2-Dichloropropane	ug/m3	62	82	70-130
1,4-Dioxane	ug/m3	49	91	70-130
2,2,4-Trimethylpentane	ug/m3	63	82	70-130

ENVIRONMENTAL CHEMISTS

Date of Report: 08/23/21 Date Received: 08/17/21

Project: Spic'N Span 060172, F&BI 108267

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF AIR SAMPLES FOR VOLATILES BY METHOD TO-15

Laboratory Code: Laboratory Control Sample

			Percent	
	Reporting	Spike	Recovery	Acceptance
Analyte	Units	Level	LCS	Criteria
Methyl methacrylate	ug/m3	55	79	70-130
Heptane	ug/m3	55	76	70-130
Bromodichloromethane	ug/m3	90	95	70-130
Trichloroethene	ug/m3	73	91	70-130
cis-1,3-Dichloropropene	ug/m3	61	94	70-130
4-Methyl-2-pentanone	ug/m3	55	87	70-130
trans-1,3-Dichloropropene	ug/m3	61	92	70-130
Toluene	ug/m3	51	94	70-130
1,1,2-Trichloroethane	ug/m3	74	88	70-130
2-Hexanone	ug/m3	55	79	70-130
Tetrachloroethene	ug/m3	92	103	70-130
Dibromochloromethane	ug/m3	120	94	70-130
1,2-Dibromoethane (EDB)	ug/m3	100	92	70-130
Chlorobenzene	ug/m3	62	102	70-130
Ethylbenzene	ug/m3	59	93	70-130
1,1,2,2-Tetrachloroethane	ug/m3	93	95	70-130
Nonane	ug/m3	71	68 vo	70-130
Isopropylbenzene	ug/m3	66	89	70-130
2-Chlorotoluene	ug/m3	70	102	70-130
Propylbenzene	ug/m3	66	91	70-130
4-Ethyltoluene	ug/m3	66	85	70-130
m,p-Xylene	ug/m3	120	96	70-130
o-Xylene	ug/m3	59	100	70-130
Styrene	ug/m3	58	86	70-130
Bromoform	ug/m3	140	112	70-130
Benzyl chloride	ug/m3	70	106	70-130
1,3,5-Trimethylbenzene	ug/m3	66	92	70-130
1,2,4-Trimethylbenzene	ug/m3	66	86	70-130
1,3-Dichlorobenzene	ug/m3	81	103	70-130
1,4-Dichlorobenzene	ug/m3	81	98	70-130
1,2-Dichlorobenzene	ug/m3	81	104	70-130
1,2,4-Trichlorobenzene	ug/m3	100	76	70-130
Naphthalene	ug/m3	71	70	70-130
Hexachlorobutadiene	ug/m3	140	110	70-130

ENVIRONMENTAL CHEMISTS

Data Qualifiers & Definitions

- a The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.
- b The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.
- ca The calibration results for the analyte were outside of acceptance criteria. The value reported is an estimate.
- c The presence of the analyte may be due to carryover from previous sample injections.
- cf The sample was centrifuged prior to analysis.
- d The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.
- dv Insufficient sample volume was available to achieve normal reporting limits.
- f The sample was laboratory filtered prior to analysis.
- fb The analyte was detected in the method blank.
- fc The analyte is a common laboratory and field contaminant.
- hr The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.
- hs Headspace was present in the container used for analysis.
- ht The analysis was performed outside the method or client-specified holding time requirement.
- ip Recovery fell outside of control limits due to sample matrix effects.
- j The analyte concentration is reported below the lowest calibration standard. The value reported is an estimate.
- J The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.
- jl The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.
- js The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.
- lc The presence of the analyte is likely due to laboratory contamination.
- L The reported concentration was generated from a library search.
- nm The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.
- pc The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.
- ve The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.
- vo The value reported fell outside the control limits established for this analyte.
- x The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

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SAMPLE DISPOSAL

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Fax (206) 283-5044 Ph. (206) 285-8282 Seattle, WA 98119-21 3012 16th Avenue W

Friedman & Bruya,

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ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D. Yelena Aravkina, M.S. Michael Erdahl, B.S. Arina Podnozova, B.S. Eric Young, B.S. 3012 16th Avenue West Seattle, WA 98119-2029 (206) 285-8282 fbi@isomedia.com www.friedmanandbruya.com

August 30, 2021

Jeremy Porter, Project Manager Aspect Consulting, LLC 710 2nd Ave S, Suite 550 Seattle, WA 98104

Dear Mr Porter:

Included are the results from the testing of material submitted on August 25, 2021 from the Spic'N Span 060172, F&BI 108405 project. There are 15 pages included in this report.

We appreciate this opportunity to be of service to you and hope you will call if you have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.

Michael Erdahl Project Manager

Enclosures c: Aspect Data ASP0830R.DOC

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on August 25, 2021 by Friedman & Bruya, Inc. from the Aspect Consulting, LLC Spic'N Span 060172, F&BI 108405 project. Samples were logged in under the laboratory ID's listed below.

<u>Laboratory ID</u>	Aspect Consulting, LLC
108405 -01	VGAC-1-EFF-082521
108405 -02	VGAC-1-INF-082521

Non-petroleum compounds identified in the air phase hydrocarbon (APH) ranges were subtracted per the MA-APH method.

Individually certified canisters were provided for TO-15 sampling.

The concentration of several analytes exceeded the calibration range of the instrument. The data were flagged accordingly.

All other quality control requirements were acceptable.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By Method MA-APH

Client Sample ID: VGAC-1-EFF-082521 Client: Aspect Consulting, LLC

Date Received: 08/25/21 Project: Spic'N Span 060172, F&BI 108405

Lab ID: 108405-01 1/5.8 Date Collected: 08/25/21 Date Analyzed: 08/26/21 Data File: 082616.DMatrix: Instrument: GCMS7 Air Units: ug/m3 Operator: bat

Concentration

Compounds: ug/m3

APH EC5-8 aliphatics 1,600 APH EC9-12 aliphatics 1,500 APH EC9-10 aromatics 340

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By Method MA-APH

Client Sample ID: VGAC-1-INF-082521 Client: Aspect Consulting, LLC

Date Received: 08/25/21 Project: Spic'N Span 060172, F&BI 108405

Date Collected: Lab ID: 08/25/21 108405-02 1/8.4 Date Analyzed: 08/26/21 Data File: 082619.DMatrix: Instrument: GCMS7 Air Units: ug/m3 Operator: bat

% Lower Upper Surrogates: Recovery: Limit: Limit: 4-Bromofluorobenzene 117 70 130

Concentration

Compounds: ug/m3

APH EC9-10 aromatics 810

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By Method MA-APH

Client Sample ID: VGAC-1-INF-082521 Client: Aspect Consulting, LLC

Date Received: 08/25/21 Project: Spic'N Span 060172, F&BI 108405

Date Collected: Lab ID: 108405-02 1/42 08/25/21 Date Analyzed: 08/26/21 Data File: 082618.DMatrix: Instrument: GCMS7 Air Units: ug/m3 Operator: bat

% Lower Upper Surrogates: Recovery: Limit: Limit: 4-Bromofluorobenzene 103 70 130

Concentration

Compounds: ug/m3

 $\begin{array}{ll} \text{APH EC5-8 aliphatics} & 18,000 \\ \text{APH EC9-12 aliphatics} & 84,000 \text{ ve} \end{array}$

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By Method MA-APH

Client Sample ID: Method Blank Client: Aspect Consulting, LLC

Date Received: Not Applicable Project: Spic'N Span 060172, F&BI 108405

Not Applicable Lab ID: Date Collected: 01-1867 MBDate Analyzed: 08/26/21 Data File: 082611.DMatrix: Instrument: GCMS7 Air Units: ug/m3 Operator: bat

% Lower Upper Surrogates: Recovery: Limit: Limit: 4-Bromofluorobenzene 99 70 130

Concentration

Compounds: ug/m3

APH EC5-8 aliphatics <75 APH EC9-12 aliphatics <25 APH EC9-10 aromatics <25

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By Method TO-15

Client Sample ID: VGAC-1-EFF-082521 Client: Aspect Consulting, LLC

Date Received: 08/25/21 Project: Spic'N Span 060172, F&BI 108405

Date Collected: Lab ID: 08/25/21 108405-01 1/5.8 Date Analyzed: 08/26/21 Data File: $082616.\mathrm{D}$ Matrix: GCMS7Air Instrument: ug/m3 Units: Operator: bat

	Concen	tration		Concer	ntration
Compounds:	ug/m3	ppbv	Compounds:	ug/m3	ppbv
Duanana	<7	<4.1	1 9 Dishlanannanana	<1.3	< 0.29
Propene Dichlorodifluoromethane	6.3	1.3	1,2-Dichloropropane 1,4-Dioxane	<2.1	<0.29
Chloromethane	<22	<10	2,2,4-Trimethylpentane	<2.1 <27	<5.8
F-114	<4.1	<0.58	· · · · · · · · · · · · · · · · · · ·	<24	<5.8
	7.4	2.9	Methyl methacrylate	<24 <24	
Vinyl chloride	< 0.26	< 0.12	Heptane	<0.39	<5.8 <0.058
1,3-Butadiene		<0.12 44	Bromodichloromethane Trichloroethene	< 0.62	<0.058
Butane	110				
Bromomethane	<14	< 3.5	cis-1,3-Dichloropropene	< 2.6	< 0.58
Chloroethane	<15	< 5.8	4-Methyl-2-pentanone	55	13
Vinyl bromide	< 2.5	< 0.58	trans-1,3-Dichloropropene	< 2.6	< 0.58
Ethanol	<44	<23	Toluene	160	43
Acrolein	< 0.66	< 0.29	1,1,2-Trichloroethane	< 0.32	< 0.058
Pentane	<17	< 5.8	2-Hexanone	<24	< 5.8
Trichlorofluoromethane	<13	<2.3	Tetrachloroethene	<39	< 5.8
Acetone	2,000 ve	820 ve	Dibromochloromethane	< 0.49	< 0.058
2-Propanol	120	50	1,2-Dibromoethane (EDB)	< 0.45	< 0.058
1,1-Dichloroethene	<2.3	< 0.58	Chlorobenzene	< 2.7	< 0.58
trans-1,2-Dichloroethene	< 2.3	< 0.58	Ethylbenzene	76	18
Methylene chloride	<200	<58	1,1,2,2-Tetrachloroethane	< 0.8	< 0.12
t-Butyl alcohol (TBA)	< 70	<23	Nonane	100	19
3-Chloropropene	<9.1	< 2.9	Isopropylbenzene	<14	< 2.9
CFC-113	<4.4	< 0.58	2-Chlorotoluene	<30	< 5.8
Carbon disulfide	<36	<12	Propylbenzene	<14	< 2.9
Methyl t-butyl ether (MTBE	(1)	< 2.9	4-Ethyltoluene	<14	< 2.9
Vinyl acetate	<41	<12	m,p-Xylene	300	70
1,1-Dichloroethane	< 2.3	< 0.58	o-Xylene	83	19
cis-1,2-Dichloroethene	< 2.3	< 0.58	Styrene	23	5.4
Hexane	<20	< 5.8	Bromoform	<12	<1.2
Chloroform	0.62	0.13	Benzyl chloride	0.39	0.075
Ethyl acetate	<42	<12	1,3,5-Trimethylbenzene	<14	< 2.9
Tetrahydrofuran	4.1	1.4	1,2,4-Trimethylbenzene	31	6.2
2-Butanone (MEK)	<17	< 5.8	1,3-Dichlorobenzene	42	6.9
1,2-Dichloroethane (EDC)	0.45	0.11	1,4-Dichlorobenzene	<1.3	< 0.22
1,1,1-Trichloroethane	< 3.2	< 0.58	1,2-Dichlorobenzene	< 3.5	< 0.58
Carbon tetrachloride	<1.8	< 0.29	1,2,4-Trichlorobenzene	<4.3	< 0.58
Benzene	<1.9	< 0.58	Naphthalene	50	9.6
Cyclohexane	<40	<12	Hexachlorobutadiene	<1.2	< 0.12
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ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By Method TO-15

Client Sample ID: VGAC-1-INF-082521 Client: Aspect Consulting, LLC

Date Received: 08/25/21 Project: Spic'N Span 060172, F&BI 108405

Lab ID: Date Collected: 08/25/21 108405-02 1/8.4 Date Analyzed: 08/26/21 Data File: $082619.\mathrm{D}$ Matrix: GCMS7Air Instrument: ug/m3 Units: Operator: bat

	Concen	tration		Conce	ntration
Compounds:	ug/m3	ppbv	Compounds:	ug/m3	ppbv
Propene	<10	< 5.9	1,2-Dichloropropane	3.9	0.85
Dichlorodifluoromethane	5.2	1.0	1,4-Dioxane	5.9 <3	< 0.84
				_	
Chloromethane	<31	<15	2,2,4-Trimethylpentane	<39	<8.4
F-114	< 5.9	< 0.84	Methyl methacrylate	<34	<8.4
Vinyl chloride	7.5	2.9	Heptane	<34	<8.4
1,3-Butadiene	< 0.37	< 0.17	Bromodichloromethane	< 0.56	< 0.084
Butane	140	61	Trichloroethene	560	110
Bromomethane	<20	<5	cis-1,3-Dichloropropene	<3.8	< 0.84
Chloroethane	<22	<8.4	4-Methyl-2-pentanone	55	14
Vinyl bromide	<3.7	< 0.84	trans-1,3-Dichloropropene	<3.8	< 0.84
Ethanol	<63	<34	Toluene	<160	<42
Acrolein	10	4.5	1,1,2-Trichloroethane	< 0.46	< 0.084
Pentane	34	11	2-Hexanone	<34	<8.4
Trichlorofluoromethane	<19	< 3.4	Tetrachloroethene	15,000 ve	2,200 ve
Acetone	1,900 ve	800 ve	Dibromochloromethane	< 0.72	< 0.084
2-Propanol	100	42	1,2-Dibromoethane (EDB)	< 0.65	< 0.084
1,1-Dichloroethene	<3.3	< 0.84	Chlorobenzene	<3.9	< 0.84
trans-1,2-Dichloroethene	17	4.3	Ethylbenzene	62	14
Methylene chloride	<290	<84	1,1,2,2-Tetrachloroethane	<1.2	< 0.17
t-Butyl alcohol (TBA)	<100	<34	Nonane	150	28
3-Chloropropene	<13	<4.2	Isopropylbenzene	<21	<4.2
CFC-113	< 6.4	< 0.84	2-Chlorotoluene	<43	< 8.4
Carbon disulfide	200	64	Propylbenzene	22	4.4
Methyl t-butyl ether (MTBE)	<15	<4.2	4-Ethyltoluene	<21	<4.2
Vinyl acetate	91	26	m,p-Xylene	240	54
1,1-Dichloroethane	< 3.4	< 0.84	o-Xylene	66	15
cis-1,2-Dichloroethene	300	75	Styrene	27	6.3
Hexane	<30	<8.4	Bromoform	<17	<1.7
Chloroform	18	3.6	Benzyl chloride	< 0.43	< 0.084
Ethyl acetate	<61	<17	1,3,5-Trimethylbenzene	21	4.3
Tetrahydrofuran	30	10	1,2,4-Trimethylbenzene	48	9.8
2-Butanone (MEK)	60	20	1,3-Dichlorobenzene	36	6.0
1,2-Dichloroethane (EDC)	21	5.2	1,4-Dichlorobenzene	<1.9	< 0.32
1,1,1-Trichloroethane	<4.6	< 0.84	1,2-Dichlorobenzene	< 5.1	< 0.84
Carbon tetrachloride	<2.6	< 0.42	1,2,4-Trichlorobenzene	<6.2	< 0.84
Benzene	12	3.9	Naphthalene	58	11
Cyclohexane	<58	<17	Hexachlorobutadiene	<1.8	< 0.17
Cyclonexame	-90	~1 I	Hexaciiioiooutautette	1.0	~ 0.17

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By Method TO-15

Client Sample ID: VGAC-1-INF-082521 Client: Aspect Consulting, LLC

Date Received: 08/25/21 Project: Spic'N Span 060172, F&BI 108405

Lab ID: Date Collected: 08/25/21 108405-02 1/42 Date Analyzed: 08/26/21 Data File: $082618.\mathrm{D}$ Matrix: Instrument: GCMS7Air Units: ug/m3 Operator: bat

	%	Lower	Upper
Surrogates:	Recovery:	Limit:	Limit:
4-Bromofluorobenzene	102	70	130

	Concer	ntration		Conce	ntration
Compounds:	ug/m3	ppbv	Compounds:	ug/m3	ppbv
Propene	<51	<29	1,2-Dichloropropane	<9.7	<2.1
Dichlorodifluoromethane	<21	<4.2	1,4-Dioxane	<15	<4.2
Chloromethane	<160	<76	2,2,4-Trimethylpentane	<200	<42
F-114	<29	<4.2	Methyl methacrylate	<170	<42
Vinyl chloride	<11	<4.2	Heptane	<170	<42
1,3-Butadiene	< 1.9	< 0.84	Bromodichloromethane	< 2.8	< 0.42
Butane	<200	<84	Trichloroethene	700	130
Bromomethane	<98	<25	cis-1,3-Dichloropropene	<19	<4.2
Chloroethane	<110	<42	4-Methyl-2-pentanone	<170	<42
Vinyl bromide	<18	<4.2	trans-1,3-Dichloropropene	<19	<4.2
Ethanol	<320	<170	Toluene	< 790	<210
Acrolein	13	5.8	1,1,2-Trichloroethane	< 2.3	< 0.42
Pentane	<120	<42	2-Hexanone	<170	<42
Trichlorofluoromethane	<94	<17	Tetrachloroethene	17,000 ve	2,600 ve
Acetone	2,400 ve	1,000 ve	Dibromochloromethane	<3.6	< 0.42
2-Propanol	<360	<150	1,2-Dibromoethane (EDB)	< 3.2	< 0.42
1,1-Dichloroethene	<17	<4.2	Chlorobenzene	<19	<4.2
trans-1,2-Dichloroethene	22	5.5	Ethylbenzene	78	18
Methylene chloride	<1,500	<420	1,1,2,2-Tetrachloroethane	< 5.8	< 0.84
t-Butyl alcohol (TBA)	< 510	<170	Nonane	<220	<42
3-Chloropropene	<66	<21	Isopropylbenzene	<100	<21
CFC-113	<32	<4.2	2-Chlorotoluene	<220	<42
Carbon disulfide	<260	<84	Propylbenzene	<100	<21
Methyl t-butyl ether (MTBE		<21	4-Ethyltoluene	<100	<21
Vinyl acetate	<300	<84	m,p-Xylene	290	68
1,1-Dichloroethane	<17	<4.2	o-Xylene	83	19
cis-1,2-Dichloroethene	380	96	Styrene	<36	<8.4
Hexane	<150	<42	Bromoform	<87	<8.4
Chloroform	23	4.7	Benzyl chloride	<2.2	< 0.42
Ethyl acetate	<300	<84	1,3,5-Trimethylbenzene	<100	<21
Tetrahydrofuran	39	13	1,2,4-Trimethylbenzene	<100	<21
2-Butanone (MEK)	<120	<42	1,3-Dichlorobenzene	43	7.2
1,2-Dichloroethane (EDC)	27	6.7	1,4-Dichlorobenzene	<9.6	<1.6
1,1,1-Trichloroethane	<23	<4.2	1,2-Dichlorobenzene	<25	<4.2
Carbon tetrachloride	<13	<2.1	1,2,4-Trichlorobenzene	<31	<4.2
Benzene	17	5.3	Naphthalene	62	12
Cyclohexane	<290	<84	Hexachlorobutadiene	<9	< 0.84
Cyclonexane	~230	\04	11GAaciiioi obataatieile	\ 3	~0. 04

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By Method TO-15

Client Sample ID: Method Blank Client: Aspect Consulting, LLC

Date Received: Not Applicable Project: Spic'N Span 060172, F&BI 108405

Lab ID: Date Collected: Not Applicable 01-1867 MB 08/26/21 Date Analyzed: Data File: $082611.\mathrm{D}$ GCMS7 Matrix: Air Instrument: ug/m3 Units: Operator: bat

	%	Lower	$_{ m Upper}$
Surrogates:	Recovery:	Limit:	Limit:
4-Bromofluorobenzene	97	70	130

	Concen	tration		Concer	ntration
Compounds:	ug/m3	ppbv	Compounds:	ug/m3	ppbv
Propene	<1.2	< 0.7	1,2-Dichloropropane	< 0.23	< 0.05
Dichlorodifluoromethane	< 0.49	< 0.1	1,4-Dioxane	< 0.36	< 0.1
Chloromethane	<3.7	<1.8	2,2,4-Trimethylpentane	<4.7	<1
F-114	< 0.7	< 0.1	Methyl methacrylate	<4.1	<1
Vinyl chloride	< 0.26	< 0.1	Heptane	<4.1	<1
1,3-Butadiene	< 0.044	< 0.02	Bromodichloromethane	< 0.067	< 0.01
Butane	<4.8	<2	Trichloroethene	< 0.11	< 0.02
Bromomethane	< 2.3	< 0.6	cis-1,3-Dichloropropene	< 0.45	< 0.1
Chloroethane	< 2.6	<1	4-Methyl-2-pentanone	<4.1	<1
Vinyl bromide	< 0.44	< 0.1	trans-1,3-Dichloropropene	< 0.45	< 0.1
Ethanol	< 7.5	<4	Toluene	<19	<5
Acrolein	< 0.11	< 0.05	1,1,2-Trichloroethane	< 0.055	< 0.01
Pentane	<3	<1	2-Hexanone	<4.1	<1
Trichlorofluoromethane	< 2.2	< 0.4	Tetrachloroethene	<6.8	<1
Acetone	<4.8	<2	Dibromochloromethane	< 0.085	< 0.01
2-Propanol	<8.6	< 3.5	1,2-Dibromoethane (EDB)	< 0.077	< 0.01
1,1-Dichloroethene	< 0.4	< 0.1	Chlorobenzene	< 0.46	< 0.1
trans-1,2-Dichloroethene	< 0.4	< 0.1	Ethylbenzene	< 0.43	< 0.1
Methylene chloride	<35	<10	1,1,2,2-Tetrachloroethane	< 0.14	< 0.02
t-Butyl alcohol (TBA)	<12	<4	Nonane	< 5.2	<1
3-Chloropropene	<1.6	< 0.5	Isopropylbenzene	< 2.5	< 0.5
CFC-113	< 0.77	< 0.1	2-Chlorotoluene	< 5.2	<1
Carbon disulfide	< 6.2	<2	Propylbenzene	< 2.5	< 0.5
Methyl t-butyl ether (MTBE)	<1.8	< 0.5	4-Ethyltoluene	< 2.5	< 0.5
Vinyl acetate	<7	<2	m,p-Xylene	< 0.87	< 0.2
1,1-Dichloroethane	< 0.4	< 0.1	o-Xylene	< 0.43	< 0.1
cis-1,2-Dichloroethene	< 0.4	< 0.1	Styrene	< 0.85	< 0.2
Hexane	< 3.5	<1	Bromoform	< 2.1	< 0.2
Chloroform	< 0.049	< 0.01	Benzyl chloride	< 0.052	< 0.01
Ethyl acetate	< 7.2	<2	1,3,5-Trimethylbenzene	< 2.5	< 0.5
Tetrahydrofuran	< 0.59	< 0.2	1,2,4-Trimethylbenzene	< 2.5	< 0.5
2-Butanone (MEK)	< 2.9	<1	1,3-Dichlorobenzene	< 0.6	< 0.1
1,2-Dichloroethane (EDC)	< 0.04	< 0.01	1,4-Dichlorobenzene	< 0.23	< 0.038
1,1,1-Trichloroethane	< 0.55	< 0.1	1,2-Dichlorobenzene	< 0.6	< 0.1
Carbon tetrachloride	< 0.31	< 0.05	1,2,4-Trichlorobenzene	< 0.74	< 0.1
Benzene	< 0.32	< 0.1	Naphthalene	< 0.26	< 0.05
Cyclohexane	< 6.9	<2	Hexachlorobutadiene	< 0.21	< 0.02
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ENVIRONMENTAL CHEMISTS

Date of Report: 08/30/21 Date Received: 08/25/21

Project: Spic'N Span 060172, F&BI 108405

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF AIR SAMPLES FOR VOLATILES BY METHOD MA-APH

Laboratory Code: 108405-01 1/5.8 (Duplicate)

	Reporting	Sample	Duplicate	RPD
Analyte	Units	Result	Result	(Limit 30)
APH EC5-8 aliphatics	ug/m3	1,600	1,800	12
APH EC9-12 aliphatics	ug/m3	1,500	1,400	7
APH EC9-10 aromatics	ug/m3	340	340	0

Laboratory Code: Laboratory Control Sample

			Percent	
	Reporting	Spike	Recovery	Acceptance
Analyte	Units	Level	LCS	Criteria
APH EC5-8 aliphatics	ug/m3	67	91	70-130
APH EC9-12 aliphatics	ug/m3	67	121	70-130
APH EC9-10 aromatics	ug/m3	67	106	70-130

ENVIRONMENTAL CHEMISTS

Date of Report: 08/30/21 Date Received: 08/25/21

Project: Spic'N Span 060172, F&BI 108405

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF AIR SAMPLES FOR VOLATILES BY METHOD TO-15

Laboratory Code: 108405-01 1/5.8 (Duplicate)

	Reporting	Sample	Duplicate	RPD
Analyte	Units	Result	Result	(Limit 30)
Propene	ug/m3	<7	<7	nm
Dichlorodifluoromethane	ug/m3	6.3	6.4	2
Chloromethane	ug/m3	<22	<22	nm
F-114	ug/m3	<4.1	<4.1	nm
Vinyl chloride	ug/m3	7.4	7.2	3
1,3-Butadiene	ug/m3	< 0.26	< 0.26	nm
Butane	ug/m3	110	100	10
Bromomethane	ug/m3	<14	<14	nm
Chloroethane	ug/m3	<15	<15	nm
Vinyl bromide	ug/m3	< 2.5	< 2.5	nm
Ethanol	ug/m3	<44	44	nm
Acrolein	ug/m3	< 0.66	< 0.66	nm
Pentane	ug/m3	<17	<17	nm
Trichlorofluoromethane	ug/m3	<13	<13	nm
Acetone	ug/m3	2,000	1,900	5
2-Propanol	ug/m3	120	120	0
1,1-Dichloroethene	ug/m3	< 2.3	< 2.3	nm
trans-1,2-Dichloroethene	ug/m3	< 2.3	< 2.3	nm
Methylene chloride	ug/m3	<200	<200	nm
t-Butyl alcohol (TBA)	ug/m3	<70	< 70	nm
3-Chloropropene	ug/m3	< 9.1	< 9.1	nm
CFC-113	ug/m3	<4.4	<4.4	nm
Carbon disulfide	ug/m3	<36	<36	nm
Methyl t-butyl ether (MTBE)	ug/m3	<10	<10	nm
Vinyl acetate	ug/m3	<41	<41	nm
1,1-Dichloroethane	ug/m3	< 2.3	< 2.3	nm
cis-1,2-Dichloroethene	ug/m3	< 2.3	< 2.3	nm
Hexane	ug/m3	<20	<20	nm
Chloroform	ug/m3	0.62	0.59	5
Ethyl acetate	ug/m3	<42	<42	nm
Tetrahydrofuran	ug/m3	4.1	4.0	2
2-Butanone (MEK)	ug/m3	<17	<17	nm
1,2-Dichloroethane (EDC)	ug/m3	0.45	0.45	0
1,1,1-Trichloroethane	ug/m3	< 3.2	< 3.2	nm
Carbon tetrachloride	ug/m3	<1.8	<1.8	nm
Benzene	ug/m3	<1.9	<1.9	nm
Cyclohexane	ug/m3	<40	<40	nm
1,2-Dichloropropane	ug/m3	<1.3	<1.3	nm
1,4-Dioxane	ug/m3	<2.1	< 2.1	nm
2,2,4-Trimethylpentane	ug/m3	<27	<27	nm

ENVIRONMENTAL CHEMISTS

Date of Report: 08/30/21 Date Received: 08/25/21

Project: Spic'N Span 060172, F&BI 108405

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF AIR SAMPLES FOR VOLATILES BY METHOD TO-15

Laboratory Code: 108405-01 1/5.8 (Duplicate) (continued)

	Reporting	Sample	Duplicate	RPD
Analyte	Units	Result	Result	(Limit 30)
Methyl methacrylate	ug/m3	<24	<24	nm
Heptane	ug/m3	<24	<24	nm
Bromodichloromethane	ug/m3	< 0.39	< 0.39	nm
Trichloroethene	ug/m3	< 0.62	< 0.62	nm
cis-1,3-Dichloropropene	ug/m3	< 2.6	< 2.6	nm
4-Methyl-2-pentanone	ug/m3	55	61	10
trans-1,3-Dichloropropene	ug/m3	< 2.6	< 2.6	nm
Toluene	ug/m3	160	160	0
1,1,2-Trichloroethane	ug/m3	< 0.32	< 0.32	nm
2-Hexanone	ug/m3	<24	<24	nm
Tetrachloroethene	ug/m3	<39	<39	nm
Dibromochloromethane	ug/m3	< 0.49	< 0.49	nm
1,2-Dibromoethane (EDB)	ug/m3	< 0.45	< 0.45	nm
Chlorobenzene	ug/m3	< 2.7	< 2.7	nm
Ethylbenzene	ug/m3	76	75	1
1,1,2,2-Tetrachloroethane	ug/m3	< 0.8	< 0.8	nm
Nonane	ug/m3	100	100	0
Isopropylbenzene	ug/m3	<14	<14	nm
2-Chlorotoluene	ug/m3	<30	<30	nm
Propylbenzene	ug/m3	<14	<14	nm
4-Ethyltoluene	ug/m3	<14	<14	nm
m,p-Xylene	ug/m3	300	300	0
o-Xylene	ug/m3	83	83	0
Styrene	ug/m3	23	22	4
Bromoform	ug/m3	<12	<12	nm
Benzyl chloride	ug/m3	0.39	0.33	17
1,3,5-Trimethylbenzene	ug/m3	<14	<14	nm
1,2,4-Trimethylbenzene	ug/m3	31	31	0
1,3-Dichlorobenzene	ug/m3	42	42	0
1,4-Dichlorobenzene	ug/m3	<1.3	<1.3	nm
1,2-Dichlorobenzene	ug/m3	< 3.5	< 3.5	nm
1,2,4-Trichlorobenzene	ug/m3	<4.3	<4.3	nm
Naphthalene	ug/m3	50	54	8
Hexachlorobutadiene	ug/m3	<1.2	<1.2	nm

ENVIRONMENTAL CHEMISTS

Date of Report: 08/30/21 Date Received: 08/25/21

Project: Spic'N Span 060172, F&BI 108405

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF AIR SAMPLES FOR VOLATILES BY METHOD TO-15

Laboratory Code: Laboratory Control Sample

			Percent	
	Reporting	Spike	Recovery	Acceptance
Analyte	Units	Level	LCS	Criteria
Propene	ug/m3	23	116	70-130
Dichlorodifluoromethane	ug/m3	67	98	70-130
Chloromethane	ug/m3	28	97	70-130
F-114	ug/m3	94	98	70-130
Vinyl chloride	ug/m3	35	106	70-130
1,3-Butadiene	ug/m3	30	100	70-130
Butane	ug/m3	32	98	70-130
Bromomethane	ug/m3	52	109	70-130
Chloroethane	ug/m3	36	101	70-130
Vinyl bromide	ug/m3	59	110	70-130
Ethanol	ug/m3	25	106	70-130
Acrolein	ug/m3	31	102	70-130
Pentane	ug/m3	40	102	70-130
Trichlorofluoromethane	ug/m3	76	105	70-130
Acetone	ug/m3	32	101	70-130
2-Propanol	ug/m3	33	109	70-130
1,1-Dichloroethene	ug/m3	54	101	70-130
trans-1,2-Dichloroethene	ug/m3	54	101	70-130
Methylene chloride	ug/m3	94	97	70-130
t-Butyl alcohol (TBA)	ug/m3	41	106	70-130
3-Chloropropene	ug/m3	42	103	70-130
CFC-113	ug/m3	100	106	70-130
Carbon disulfide	ug/m3	42	108	70-130
Methyl t-butyl ether (MTBE)	ug/m3	49	103	70-130
Vinyl acetate	ug/m3	48	108	70-130
1,1-Dichloroethane	ug/m3	55	103	70-130
cis-1,2-Dichloroethene	ug/m3	54	101	70-130
Hexane	ug/m3	48	103	70-130
Chloroform	ug/m3	66	100	70-130
Ethyl acetate	ug/m3	49	100	70-130
Tetrahydrofuran	ug/m3	40	100	70-130
2-Butanone (MEK)	ug/m3	40	103	70-130
1,2-Dichloroethane (EDC)	ug/m3	55	101	70-130
1,1,1-Trichloroethane	ug/m3	74	103	70-130
Carbon tetrachloride	ug/m3	85	103	70-130
Benzene	ug/m3	43	100	70-130
Cyclohexane	ug/m3	46	101	70-130
1,2-Dichloropropane	ug/m3	62	101	70-130
1,4-Dioxane	ug/m3	49	105	70-130
2,2,4-Trimethylpentane	ug/m3	63	105	70-130

ENVIRONMENTAL CHEMISTS

Date of Report: 08/30/21 Date Received: 08/25/21

Project: Spic'N Span 060172, F&BI 108405

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF AIR SAMPLES FOR VOLATILES BY METHOD TO-15

Laboratory Code: Laboratory Control Sample (continued)

	Percent				
	Reporting	Spike	Recovery	Acceptance	
Analyte	Units	Level	LCS	Criteria	
Methyl methacrylate	ug/m3	55	107	70-130	
Heptane	ug/m3	55	107	70-130	
Bromodichloromethane	ug/m3	90	103	70-130	
Trichloroethene	ug/m3	73	97	70-130	
cis-1,3-Dichloropropene	ug/m3	61	105	70-130	
4-Methyl-2-pentanone	ug/m3	55	102	70-130	
trans-1,3-Dichloropropene	ug/m3	61	104	70-130	
Toluene	ug/m3	51	102	70-130	
1,1,2-Trichloroethane	ug/m3	74	102	70-130	
2-Hexanone	ug/m3	55	104	70-130	
Tetrachloroethene	ug/m3	92	104	70-130	
Dibromochloromethane	ug/m3	120	102	70-130	
1,2-Dibromoethane (EDB)	ug/m3	100	100	70-130	
Chlorobenzene	ug/m3	62	103	70-130	
Ethylbenzene	ug/m3	59	98	70-130	
1,1,2,2-Tetrachloroethane	ug/m3	93	100	70-130	
Nonane	ug/m3	71	104	70-130	
Isopropylbenzene	ug/m3	66	103	70-130	
2-Chlorotoluene	ug/m3	70	101	70-130	
Propylbenzene	ug/m3	66	104	70-130	
4-Ethyltoluene	ug/m3	66	105	70-130	
m,p-Xylene	ug/m3	120	101	70-130	
o-Xylene	ug/m3	59	101	70-130	
Styrene	ug/m3	58	102	70-130	
Bromoform	ug/m3	140	104	70-130	
Benzyl chloride	ug/m3	70	106	70-130	
1,3,5-Trimethylbenzene	ug/m3	66	102	70-130	
1,2,4-Trimethylbenzene	ug/m3	66	103	70-130	
1,3-Dichlorobenzene	ug/m3	81	97	70-130	
1,4-Dichlorobenzene	ug/m3	81	106	70-130	
1,2-Dichlorobenzene	ug/m3	81	99	70-130	
1,2,4-Trichlorobenzene	ug/m3	100	100	70-130	
Naphthalene	ug/m3	71	95	70-130	
Hexachlorobutadiene	ug/m3	140	99	70-130	

ENVIRONMENTAL CHEMISTS

Data Qualifiers & Definitions

- a The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.
- b The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.
- ca The calibration results for the analyte were outside of acceptance criteria. The value reported is an estimate.
- c The presence of the analyte may be due to carryover from previous sample injections.
- cf The sample was centrifuged prior to analysis.
- ${\rm d}$ The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.
- dv Insufficient sample volume was available to achieve normal reporting limits.
- f The sample was laboratory filtered prior to analysis.
- fb The analyte was detected in the method blank.
- fc The analyte is a common laboratory and field contaminant.
- hr The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.
- hs Headspace was present in the container used for analysis.
- ht The analysis was performed outside the method or client-specified holding time requirement.
- ip Recovery fell outside of control limits due to sample matrix effects.
- j The analyte concentration is reported below the lowest calibration standard. The value reported is an estimate.
- J The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.
- jl The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.
- js The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.
- lc The presence of the analyte is likely due to laboratory contamination.
- L The reported concentration was generated from a library search.
- nm The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.
- pc The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.
- ve The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.
- vo The value reported fell outside the control limits established for this analyte.
- x The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

Address 710 2 nd AVE SUITE City, State, ZIP SCATTLE, WA 98104 Company ASPECT WASUITING Report To Jecomy Axter 501801 550

Phone 200. 700. 2129 Email JANTE (@ OSCICLICOS WITH MY COM

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Received by:

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Ph. (206) 285-8282

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D. Yelena Aravkina, M.S. Michael Erdahl, B.S. Arina Podnozova, B.S. Eric Young, B.S. 3012 16th Avenue West Seattle, WA 98119-2029 (206) 285-8282 fbi@isomedia.com www.friedmanandbruya.com

October 4, 2021

Jeremy Porter, Project Manager Aspect Consulting, LLC 710 2nd Ave S, Suite 550 Seattle, WA 98104

Dear Mr Porter:

Included are the results from the testing of material submitted on September 22, 2021 from the Spic'N Span 060172, F&BI 109387 project. There are 13 pages included in this report.

We appreciate this opportunity to be of service to you and hope you will call if you have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.

Michael Erdahl Project Manager

Enclosures c: Aspect Data ASP1004R.DOC

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on September 22, 2021 by Friedman & Bruya, Inc. from the Aspect Consulting, LLC Spic'N Span 060172, F&BI 109387 project. Samples were logged in under the laboratory ID's listed below.

<u>Laboratory ID</u>	Aspect Consulting, LLC
109387 -01	VGAC-INF-1-092221
109387 -02	VGAC-EFF-1-092221

Non-petroleum compounds identified in the air phase hydrocarbon (APH) ranges were subtracted per the MA-APH method.

Several analytes exceeded the calibration range. The data were flagged accordingly.

Benzyl chloride in the TO-15 laboratory control sample exceeded the acceptance criteria. The analyte was not detected in the samples, therefore the data were acceptable.

All other quality control requirements were acceptable.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By Method MA-APH

Client Sample ID: VGAC-INF-1-092221 Client: Aspect Consulting, LLC

Date Received: 09/22/21 Project: Spic'N Span 060172, F&BI 109387

Lab ID: 109387-01 1/9 Date Collected: 09/22/21 Date Analyzed: 09/28/21 Data File: 092724.DMatrix: Instrument: GCMS7 Air Units: ug/m3 Operator: bat

Concentration

Compounds: ug/m3

 $\begin{array}{lll} \text{APH EC5-8 aliphatics} & 18,000 \text{ ve} \\ \text{APH EC9-12 aliphatics} & 61,000 \text{ ve} \\ \text{APH EC9-10 aromatics} & 1,000 \end{array}$

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By Method MA-APH

Client Sample ID: VGAC-EFF-1-092221 Client: Aspect Consulting, LLC

Date Received: 09/22/21 Project: Spic'N Span 060172, F&BI 109387

Lab ID: Date Collected: 09/22/21 109387-02 1/6 Date Analyzed: 09/27/21 Data File: 092722.DMatrix: Instrument: GCMS7 Air Units: ug/m3 Operator: bat

% Lower Upper Surrogates: Recovery: Limit: Limit: 4-Bromofluorobenzene 93 70 130

Concentration

Compounds: ug/m3

APH EC5-8 aliphatics 1,000 APH EC9-12 aliphatics 2,000 APH EC9-10 aromatics 290

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By Method MA-APH

Client Sample ID: Method Blank Client: Aspect Consulting, LLC

Date Received: Not Applicable Project: Spic'N Span 060172, F&BI 109387

Not Applicable Lab ID: Date Collected: 01-2134 MBDate Analyzed: 09/27/21 Data File: 092711.DMatrix: Instrument: GCMS7 Air Units: ug/m3 Operator: bat

% Lower Upper Surrogates: Recovery: Limit: Limit: 4-Bromofluorobenzene 93 70 130

Concentration

Compounds: ug/m3

APH EC5-8 aliphatics <75 APH EC9-12 aliphatics <25 APH EC9-10 aromatics <25

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By Method TO-15

Client Sample ID: VGAC-INF-1-092221 Client: Aspect Consulting, LLC

Date Received: 09/22/21 Project: Spic'N Span 060172, F&BI 109387

Lab ID: Date Collected: 109387-01 1/9 09/22/21 Date Analyzed: 09/28/21 Data File: $092724.\mathrm{D}$ Matrix: Instrument: GCMS7Air Units: ug/m3 Operator: bat

	%	Lower	Upper
Surrogates:	Recovery:	Limit:	Limit:
4-Bromofluorobenzene	112	70	130

	Concer	ntration		Conce	ntration
Compounds:	ug/m3	ppbv	Compounds:	ug/m3	ppbv
Propene	96	56	1,2-Dichloropropane	9.4	2.0
Dichlorodifluoromethane	4.9	0.98	1,4-Dioxane	<3.2	< 0.9
Chloromethane	<33	<16	2,2,4-Trimethylpentane	<42	<9
F-114	<6.3	< 0.9	Methyl methacrylate	<37	<9
Vinyl chloride	9.6	3.8	Heptane	<37	<9
1,3-Butadiene	< 0.4	< 0.18	Bromodichloromethane	< 0.6	< 0.09
Butane	<43	<18	Trichloroethene	1,400 ve	$260 \mathrm{\ ve}$
Bromomethane	<21	< 5.4	cis-1,3-Dichloropropene	<4.1	< 0.9
Chloroethane	<24	<9	4-Methyl-2-pentanone	95	23
Vinyl bromide	<3.9	< 0.9	trans-1,3-Dichloropropene	<4.1	< 0.9
Ethanol	230	120	Toluene	170	45
Acrolein	18	7.6	1,1,2-Trichloroethane	< 0.5	< 0.09
Pentane	42	14	2-Hexanone	<37	<9
Trichlorofluoromethane	<20	<3.6	Tetrachloroethene	15,000 ve	2,200 ve
Acetone	3,200 ve	1,300 ve	Dibromochloromethane	< 0.77	< 0.09
2-Propanol	<77	<31	1,2-Dibromoethane (EDB)	< 0.69	< 0.09
1,1-Dichloroethene	10	2.6	Chlorobenzene	<4.1	< 0.9
trans-1,2-Dichloroethene	60	15	Ethylbenzene	36	8.2
Methylene chloride	<310	<90	1,1,2,2-Tetrachloroethane	<1.2	< 0.18
t-Butyl alcohol (TBA)	<110	<36	Nonane	<47	<9
3-Chloropropene	<14	<4.5	Isopropylbenzene	30	6.2
CFC-113	< 6.9	< 0.9	2-Chlorotoluene	<47	<9
Carbon disulfide	130	42	Propylbenzene	47	9.5
Methyl t-butyl ether (MTBE) <16	<4.5	4-Ethyltoluene	26	5.2
Vinyl acetate	470	130	m,p-Xylene	130	29
1,1-Dichloroethane	<3.6	< 0.9	o-Xylene	45	10
cis-1,2-Dichloroethene	890 ve	220 ve	Styrene	20	4.7
Hexane	<32	<9	Bromoform	<19	<1.8
Chloroform	18	3.6	Benzyl chloride	< 0.47	< 0.09
Ethyl acetate	<65	<18	1,3,5-Trimethylbenzene	31	6.3
Tetrahydrofuran	20	6.8	1,2,4-Trimethylbenzene	93	19
2-Butanone (MEK)	440 ve	150 ve	1,3-Dichlorobenzene	9.0	1.5
1,2-Dichloroethane (EDC)	44	11	1,4-Dichlorobenzene	<2.1	< 0.34
1,1,1-Trichloroethane	<4.9	< 0.9	1,2-Dichlorobenzene	< 5.4	< 0.9
Carbon tetrachloride	<2.8	< 0.45	1,2,4-Trichlorobenzene	<6.7	< 0.9
Benzene	51	16	Naphthalene	83	16
Cyclohexane	<62	<18	Hexachlorobutadiene	<1.9	< 0.18
Cyclonexane	~02	10	Hexaciiioiobutauteile	`1.3	~0.10

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By Method TO-15

Client Sample ID: VGAC-EFF-1-092221 Client: Aspect Consulting, LLC

Date Received: 09/22/21 Project: Spic'N Span 060172, F&BI 109387

Lab ID: Date Collected: 109387-02 1/6 09/22/21 Date Analyzed: 09/27/21 Data File: $092722.\mathrm{D}$ Matrix: Instrument: GCMS7Air Units: ug/m3 Operator: bat

	%	Lower	Upper
Surrogates:	Recovery:	Limit:	Limit:
4-Bromofluorobenzene	92	70	130

	Concent	cration		Conce	ntration
Compounds:	ug/m3	ppbv	Compounds:	ug/m3	ppbv
Propene	110	64	1,2-Dichloropropane	<1.4	< 0.3
Dichlorodifluoromethane	4.9	1.0	1,4-Dioxane	<2.2	< 0.6
Chloromethane	<22	<11	2,2,4-Trimethylpentane	<28	<6
F-114	<4.2	< 0.6	Methyl methacrylate	<25	<6
Vinyl chloride	14	5.6	Heptane	<25	<6
1,3-Butadiene	< 0.27	< 0.12	Bromodichloromethane	< 0.4	< 0.06
Butane	<29	<12	Trichloroethene	0.74	0.14
Bromomethane	<14	<3.6	cis-1,3-Dichloropropene	< 2.7	< 0.6
Chloroethane	<16	<6	4-Methyl-2-pentanone	92	22
Vinyl bromide	< 2.6	< 0.6	trans-1,3-Dichloropropene	< 2.7	< 0.6
Ethanol	230 ve	120 ve	Toluene	170	45
Acrolein	1.4	0.62	1,1,2-Trichloroethane	< 0.33	< 0.06
Pentane	<18	<6	2-Hexanone	<25	<6
Trichlorofluoromethane	<13	< 2.4	Tetrachloroethene	<41	<6
Acetone	93	39	Dibromochloromethane	< 0.51	< 0.06
2-Propanol	< 52	<21	1,2-Dibromoethane (EDB)	< 0.46	< 0.06
1,1-Dichloroethene	< 2.4	< 0.6	Chlorobenzene	< 2.8	< 0.6
trans-1,2-Dichloroethene	< 2.4	< 0.6	Ethylbenzene	22	5.0
Methylene chloride	<210	<60	1,1,2,2-Tetrachloroethane	< 0.82	< 0.12
t-Butyl alcohol (TBA)	<73	<24	Nonane	<31	<6
3-Chloropropene	< 9.4	<3	Isopropylbenzene	<15	<3
CFC-113	<4.6	< 0.6	2-Chlorotoluene	<31	<6
Carbon disulfide	<37	<12	Propylbenzene	<15	<3
Methyl t-butyl ether (MTBE)	<11	<3	4-Ethyltoluene	<15	<3
Vinyl acetate	<42	<12	m,p-Xylene	98	23
1,1-Dichloroethane	< 2.4	< 0.6	o-Xylene	36	8.4
cis-1,2-Dichloroethene	< 2.4	< 0.6	Styrene	21	5.0
Hexane	<21	<6	Bromoform	<12	<1.2
Chloroform	< 0.29	< 0.06	Benzyl chloride	0.37 ca	0.072 ca
Ethyl acetate	<43	<12	1,3,5-Trimethylbenzene	<15	<3
Tetrahydrofuran	< 3.5	<1.2	1,2,4-Trimethylbenzene	30	6.1
2-Butanone (MEK)	<18	<6	1,3-Dichlorobenzene	8.3	1.4
1,2-Dichloroethane (EDC)	0.44	0.11	1,4-Dichlorobenzene	<1.4	< 0.23
1,1,1-Trichloroethane	<3.3	< 0.6	1,2-Dichlorobenzene	<3.6	< 0.6
Carbon tetrachloride	<1.9	< 0.3	1,2,4-Trichlorobenzene	<4.5	< 0.6
Benzene	2.3	0.73	Naphthalene	61	12
Cyclohexane	<41	<12	Hexachlorobutadiene	1.5	0.14
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ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By Method TO-15

Client Sample ID: Method Blank Client: Aspect Consulting, LLC

Date Received: Not Applicable Project: Spic'N Span 060172, F&BI 109387

Lab ID: Date Collected: Not Applicable 01-2134 MB09/27/21 Date Analyzed: Data File: 092711.DGCMS7 Matrix: Air Instrument: Units: ug/m3 Operator: bat

	%	Lower	$_{ m Upper}$
Surrogates:	Recovery:	Limit:	Limit:
4-Bromofluorobenzene	91	70	130

	Concen	tration		Concer	ntration
Compounds:	ug/m3	ppbv	Compounds:	ug/m3	ppbv
Propene	<1.2	< 0.7	1,2-Dichloropropane	< 0.23	< 0.05
Dichlorodifluoromethane	< 0.49	< 0.1	1,4-Dioxane	< 0.36	< 0.1
Chloromethane	<3.7	<1.8	2,2,4-Trimethylpentane	<4.7	<1
F-114	< 0.7	< 0.1	Methyl methacrylate	<4.1	<1
Vinyl chloride	< 0.26	< 0.1	Heptane	<4.1	<1
1,3-Butadiene	< 0.044	< 0.02	Bromodichloromethane	< 0.067	< 0.01
Butane	<4.8	<2	Trichloroethene	< 0.11	< 0.02
Bromomethane	< 2.3	< 0.6	cis-1,3-Dichloropropene	< 0.45	< 0.1
Chloroethane	< 2.6	<1	4-Methyl-2-pentanone	<4.1	<1
Vinyl bromide	< 0.44	< 0.1	trans-1,3-Dichloropropene	< 0.45	< 0.1
Ethanol	< 7.5	<4	Toluene	<19	<5
Acrolein	< 0.11	< 0.05	1,1,2-Trichloroethane	< 0.055	< 0.01
Pentane	<3	<1	2-Hexanone	<4.1	<1
Trichlorofluoromethane	< 2.2	< 0.4	Tetrachloroethene	<6.8	<1
Acetone	<4.8	<2	Dibromochloromethane	< 0.085	< 0.01
2-Propanol	<8.6	< 3.5	1,2-Dibromoethane (EDB)	< 0.077	< 0.01
1,1-Dichloroethene	< 0.4	< 0.1	Chlorobenzene	< 0.46	< 0.1
trans-1,2-Dichloroethene	< 0.4	< 0.1	Ethylbenzene	< 0.43	< 0.1
Methylene chloride	<35	<10	1,1,2,2-Tetrachloroethane	< 0.14	< 0.02
t-Butyl alcohol (TBA)	<12	<4	Nonane	< 5.2	<1
3-Chloropropene	<1.6	< 0.5	Isopropylbenzene	< 2.5	< 0.5
CFC-113	< 0.77	< 0.1	2-Chlorotoluene	< 5.2	<1
Carbon disulfide	< 6.2	<2	Propylbenzene	< 2.5	< 0.5
Methyl t-butyl ether (MTBE)	<1.8	< 0.5	4-Ethyltoluene	< 2.5	< 0.5
Vinyl acetate	<7	<2	m,p-Xylene	< 0.87	< 0.2
1,1-Dichloroethane	< 0.4	< 0.1	o-Xylene	< 0.43	< 0.1
cis-1,2-Dichloroethene	< 0.4	< 0.1	Styrene	< 0.85	< 0.2
Hexane	< 3.5	<1	Bromoform	< 2.1	< 0.2
Chloroform	< 0.049	< 0.01	Benzyl chloride	< 0.052	< 0.01
Ethyl acetate	< 7.2	<2	1,3,5-Trimethylbenzene	< 2.5	< 0.5
Tetrahydrofuran	< 0.59	< 0.2	1,2,4-Trimethylbenzene	< 2.5	< 0.5
2-Butanone (MEK)	< 2.9	<1	1,3-Dichlorobenzene	< 0.6	< 0.1
1,2-Dichloroethane (EDC)	< 0.04	< 0.01	1,4-Dichlorobenzene	< 0.23	< 0.038
1,1,1-Trichloroethane	< 0.55	< 0.1	1,2-Dichlorobenzene	< 0.6	< 0.1
Carbon tetrachloride	< 0.31	< 0.05	1,2,4-Trichlorobenzene	< 0.74	< 0.1
Benzene	< 0.32	< 0.1	Naphthalene	< 0.26	< 0.05
Cyclohexane	< 6.9	<2	Hexachlorobutadiene	< 0.21	< 0.02
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ENVIRONMENTAL CHEMISTS

Date of Report: 10/04/21 Date Received: 09/22/21

Project: Spic'N Span 060172, F&BI 109387

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF AIR SAMPLES FOR VOLATILES BY METHOD MA-APH

Laboratory Code: 109387-02 1/6 (Duplicate)

	Reporting	Sample	Duplicate	RPD
Analyte	Units	Result	Result	(Limit 30)
APH EC5-8 aliphatics	ug/m3	1,000	1,100	10
APH EC9-12 aliphatics	ug/m3	2,000	2,100	5
APH EC9-10 aromatics	ug/m3	290	300	3

Laboratory Code: Laboratory Control Sample

			Percent	
	Reporting	Spike	Recovery	Acceptance
Analyte	Units	Level	LCS	Criteria
APH EC5-8 aliphatics	ug/m3	67	86	70-130
APH EC9-12 aliphatics	ug/m3	67	117	70-130
APH EC9-10 aromatics	ug/m3	67	98	70-130

ENVIRONMENTAL CHEMISTS

Date of Report: 10/04/21 Date Received: 09/22/21

Project: Spic'N Span 060172, F&BI 109387

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF AIR SAMPLES FOR VOLATILES BY METHOD TO-15

Laboratory Code: 109387-02 1/6 (Duplicate)

	Reporting	Sample	Duplicate	RPD
Analyte	Units	Result	Result	(Limit 30)
Propene	ug/m3	110	100	10
Dichlorodifluoromethane	ug/m3	4.9	5.3	8
Chloromethane	ug/m3	<22	<22	nm
F-114	ug/m3	<4.2	<4.2	nm
Vinyl chloride	ug/m3	14	14	0
1,3-Butadiene	ug/m3	< 0.27	< 0.27	nm
Butane	ug/m3	<29	<29	nm
Bromomethane	ug/m3	<14	<14	nm
Chloroethane	ug/m3	<16	<16	nm
Vinyl bromide	ug/m3	< 2.6	< 2.6	nm
Ethanol	ug/m3	230	220	4
Acrolein	ug/m3	1.4	1.5	7
Pentane	ug/m3	<18	<18	nm
Trichlorofluoromethane	ug/m3	<13	<13	nm
Acetone	ug/m3	93	92	1
2-Propanol	ug/m3	<52	<52	nm
1,1-Dichloroethene	ug/m3	< 2.4	< 2.4	nm
trans-1,2-Dichloroethene	ug/m3	< 2.4	< 2.4	nm
Methylene chloride	ug/m3	<210	<210	nm
t-Butyl alcohol (TBA)	ug/m3	<73	<73	nm
3-Chloropropene	ug/m3	< 9.4	< 9.4	nm
CFC-113	ug/m3	<4.6	<4.6	nm
Carbon disulfide	ug/m3	<37	<37	nm
Methyl t-butyl ether (MTBE)	ug/m3	<11	<11	nm
Vinyl acetate	ug/m3	<42	<42	nm
1,1-Dichloroethane	ug/m3	< 2.4	< 2.4	nm
cis-1,2-Dichloroethene	ug/m3	< 2.4	< 2.4	nm
Hexane	ug/m3	<21	<21	nm
Chloroform	ug/m3	< 0.29	< 0.29	nm
Ethyl acetate	ug/m3	<43	<43	nm
Tetrahydrofuran	ug/m3	< 3.5	< 3.5	nm
2-Butanone (MEK)	ug/m3	<18	<18	nm
1,2-Dichloroethane (EDC)	ug/m3	0.44	0.44	0
1,1,1-Trichloroethane	ug/m3	<3.3	<3.3	nm
Carbon tetrachloride	ug/m3	<1.9	<1.9	nm
Benzene	ug/m3	2.3	2.4	4
Cyclohexane	ug/m3	<41	<41	nm
1,2-Dichloropropane	ug/m3	<1.4	<1.4	nm
1,4-Dioxane	ug/m3	<2.2	< 2.2	nm
2,2,4-Trimethylpentane	ug/m3	<28	<28	nm

ENVIRONMENTAL CHEMISTS

Date of Report: 10/04/21 Date Received: 09/22/21

Project: Spic'N Span 060172, F&BI 109387

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF AIR SAMPLES FOR VOLATILES BY METHOD TO-15

Laboratory Code: 109387-02 1/6 (Duplicate, continued)

	Reporting	Sample	Duplicate	RPD
Analyte	Units	Result	Result	(Limit 30)
Methyl methacrylate	ug/m3	<25	<25	nm
Heptane	ug/m3	<25	<25	nm
Bromodichloromethane	ug/m3	< 0.4	< 0.4	nm
Trichloroethene	ug/m3	0.74	0.74	0
cis-1,3-Dichloropropene	ug/m3	< 2.7	< 2.7	nm
4-Methyl-2-pentanone	ug/m3	92	100	8
trans-1,3-Dichloropropene	ug/m3	< 2.7	< 2.7	nm
Toluene	ug/m3	170	170	0
1,1,2-Trichloroethane	ug/m3	< 0.33	< 0.33	nm
2-Hexanone	ug/m3	<25	<25	nm
Tetrachloroethene	ug/m3	<41	<41	nm
Dibromochloromethane	ug/m3	< 0.51	< 0.51	nm
1,2-Dibromoethane (EDB)	ug/m3	< 0.46	< 0.46	nm
Chlorobenzene	ug/m3	< 2.8	< 2.8	nm
Ethylbenzene	ug/m3	22	22	0
1,1,2,2-Tetrachloroethane	ug/m3	< 0.82	< 0.82	nm
Nonane	ug/m3	<31	<31	nm
Isopropylbenzene	ug/m3	<15	<15	nm
2-Chlorotoluene	ug/m3	<31	<31	nm
Propylbenzene	ug/m3	<15	<15	nm
4-Ethyltoluene	ug/m3	<15	<15	nm
m,p-Xylene	ug/m3	98	98	0
o-Xylene	ug/m3	36	36	0
Styrene	ug/m3	21	22	5
Bromoform	ug/m3	<12	<12	nm
Benzyl chloride	ug/m3	0.37	0.40	8
1,3,5-Trimethylbenzene	ug/m3	<15	<15	nm
1,2,4-Trimethylbenzene	ug/m3	30	30	0
1,3-Dichlorobenzene	ug/m3	8.3	8.3	0
1,4-Dichlorobenzene	ug/m3	<1.4	<1.4	nm
1,2-Dichlorobenzene	ug/m3	<3.6	<3.6	nm
1,2,4-Trichlorobenzene	ug/m3	<4.5	<4.5	nm
Naphthalene	ug/m3	61	64	5
Hexachlorobutadiene	ug/m3	1.5	1.5	0

ENVIRONMENTAL CHEMISTS

Date of Report: 10/04/21 Date Received: 09/22/21

Project: Spic'N Span 060172, F&BI 109387

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF AIR SAMPLES FOR VOLATILES BY METHOD TO-15

Laboratory Code: Laboratory Control Sample

			Percent	
	Reporting	Spike	Recovery	Acceptance
Analyte	Units	Level	LCS	Criteria
Propene	ug/m3	23	104	70-130
Dichlorodifluoromethane	ug/m3	67	102	70-130
Chloromethane	ug/m3	28	111	70-130
F-114	ug/m3	94	109	70-130
Vinyl chloride	ug/m3	35	105	70-130
1,3-Butadiene	ug/m3	30	97	70-130
Butane	ug/m3	32	97	70-130
Bromomethane	ug/m3	52	118	70-130
Chloroethane	ug/m3	36	105	70-130
Vinyl bromide	ug/m3	59	113	70-130
Ethanol	ug/m3	25	106	70-130
Acrolein	ug/m3	31	94	70-130
Pentane	ug/m3	40	87	70-130
Trichlorofluoromethane	ug/m3	76	107	70-130
Acetone	ug/m3	32	98	70-130
2-Propanol	ug/m3	33	106	70-130
1,1-Dichloroethene	ug/m3	54	105	70-130
trans-1,2-Dichloroethene	ug/m3	54	103	70-130
Methylene chloride	ug/m3	94	96	70-130
t-Butyl alcohol (TBA)	ug/m3	41	108	70-130
3-Chloropropene	ug/m3	42	96	70-130
CFC-113	ug/m3	100	111	70-130
Carbon disulfide	ug/m3	42	113	70-130
Methyl t-butyl ether (MTBE)	ug/m3	49	98	70-130
Vinyl acetate	ug/m3	48	119	70-130
1,1-Dichloroethane	ug/m3	55	107	70-130
cis-1,2-Dichloroethene	ug/m3	54	102	70-130
Hexane	ug/m3	48	92	70-130
Chloroform	ug/m3	66	104	70-130
Ethyl acetate	ug/m3	49	115	70-130
Tetrahydrofuran	ug/m3	40	90	70-130
2-Butanone (MEK)	ug/m3	40	97	70-130
1,2-Dichloroethane (EDC)	ug/m3	55	100	70-130
1,1,1-Trichloroethane	ug/m3	74	115	70-130
Carbon tetrachloride	ug/m3	85	118	70-130
Benzene	ug/m3	43	99	70-130
Cyclohexane	ug/m3	46	88	70-130
1,2-Dichloropropane	ug/m3	62	108	70-130
1,4-Dioxane	ug/m3	49	100	70-130
2,2,4-Trimethylpentane	ug/m3	63	100	70-130

ENVIRONMENTAL CHEMISTS

Date of Report: 10/04/21 Date Received: 09/22/21

Project: Spic'N Span 060172, F&BI 109387

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF AIR SAMPLES FOR VOLATILES BY METHOD TO-15

Laboratory Code: Laboratory Control Sample (Continued)

		(Percent	
	Reporting	Spike	Recovery	Acceptance
Analyte	Units	Level	LCS	Criteria
Methyl methacrylate	ug/m3	55	116	70-130
Heptane	ug/m3	55	94	70-130
Bromodichloromethane	ug/m3	90	114	70-130
Trichloroethene	ug/m3	73	105	70-130
cis-1,3-Dichloropropene	ug/m3	61	114	70-130
4-Methyl-2-pentanone	ug/m3	55	117	70-130
trans-1,3-Dichloropropene	ug/m3	61	125	70-130
Toluene	ug/m3	51	101	70-130
1,1,2-Trichloroethane	ug/m3	74	111	70-130
2-Hexanone	ug/m3	55	112	70-130
Tetrachloroethene	ug/m3	92	114	70-130
Dibromochloromethane	ug/m3	120	119	70-130
1,2-Dibromoethane (EDB)	ug/m3	100	113	70-130
Chlorobenzene	ug/m3	62	108	70-130
Ethylbenzene	ug/m3	59	93	70-130
1,1,2,2-Tetrachloroethane	ug/m3	93	106	70-130
Nonane	ug/m3	71	95	70-130
Isopropylbenzene	ug/m3	66	98	70-130
2-Chlorotoluene	ug/m3	70	107	70-130
Propylbenzene	ug/m3	66	100	70-130
4-Ethyltoluene	ug/m3	66	96	70-130
m,p-Xylene	ug/m3	120	98	70-130
o-Xylene	ug/m3	59	100	70-130
Styrene	ug/m3	58	94	70-130
Bromoform	ug/m3	140	125	70-130
Benzyl chloride	ug/m3	70	158 vo	70-130
1,3,5-Trimethylbenzene	ug/m3	66	101	70-130
1,2,4-Trimethylbenzene	ug/m3	66	94	70-130
1,3-Dichlorobenzene	ug/m3	81	105	70-130
1,4-Dichlorobenzene	ug/m3	81	104	70-130
1,2-Dichlorobenzene	ug/m3	81	103	70-130
1,2,4-Trichlorobenzene	ug/m3	100	88	70-130
Naphthalene	ug/m3	71	76	70-130
Hexachlorobutadiene	ug/m3	140	110	70-130

ENVIRONMENTAL CHEMISTS

Data Qualifiers & Definitions

- a The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.
- b The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.
- ca The calibration results for the analyte were outside of acceptance criteria. The value reported is an estimate.
- c The presence of the analyte may be due to carryover from previous sample injections.
- cf The sample was centrifuged prior to analysis.
- ${\rm d}$ The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.
- dv Insufficient sample volume was available to achieve normal reporting limits.
- f The sample was laboratory filtered prior to analysis.
- fb The analyte was detected in the method blank.
- fc The analyte is a common laboratory and field contaminant.
- hr The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.
- hs Headspace was present in the container used for analysis.
- ht The analysis was performed outside the method or client-specified holding time requirement.
- ip Recovery fell outside of control limits due to sample matrix effects.
- j The analyte concentration is reported below the lowest calibration standard. The value reported is an estimate.
- J The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.
- jl The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.
- js The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.
- lc The presence of the analyte is likely due to laboratory contamination.
- L The reported concentration was generated from a library search.
- nm The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.
- pc The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.
- ve The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.
- vo The value reported fell outside the control limits established for this analyte.
- x The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

City, State, ZIP SELITIC, WA 98104 Address Company_ Report To_ 110 2rd Ave Suite 550 ASOM DO TIMEDOR

SAMPLE CHAIN OF CUSTODY

Phone 200.790.2129 Email poxter QUISPUT US LUTING NOW SAMPLERS (signature) NOTES: PROJECT NAME & ADDRESS Spic N Span INVOICE TO 000172

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Fax (206) 283-5044

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Ph. (206) 285-8282

Seattle, WA 98119-2029

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SIGNATURE

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Plan

HSQSH FRBI

COMPANY

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Samples received at 22 0C

3012 16th Avenue West Friedman & Bruya, Inc.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D. Yelena Aravkina, M.S. Michael Erdahl, B.S. Arina Podnozova, B.S. Eric Young, B.S. 3012 16th Avenue West Seattle, WA 98119-2029 (206) 285-8282 fbi@isomedia.com www.friedmanandbruya.com

October 21, 2021

Jeremy Porter, Project Manager Aspect Consulting, LLC 710 2nd Ave S, Suite 550 Seattle, WA 98104

Dear Mr Porter:

Included are the results from the testing of material submitted on October 6, 2021 from the Spic'N Span 060172, F&BI 110121 project. There are 13 pages included in this report.

We appreciate this opportunity to be of service to you and hope you will call if you have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.

Michael Erdahl Project Manager

Enclosures c: Aspect Data ASP1021R.DOC

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on October 6, 2021 by Friedman & Bruya, Inc. from the Aspect Consulting, LLC Spic'N Span 060172, F&BI 110121 project. Samples were logged in under the laboratory ID's listed below.

<u>Laboratory ID</u>	Aspect Consulting, LLC
110121 -01	VGAC-1-EFF-100621
110121 -02	VGAC-1-INF-100621

Non-petroleum compounds identified in the air phase hydrocarbon (APH) ranges were subtracted per the MA-APH method.

Individually certified canisters were provided for TO-15 sampling.

Some MA-APH and TO-15 analytes for sample VGAC-1-INF-100621 exceeded the calibration range. The data were flagged accordingly.

All other quality control requirements were acceptable.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By Method MA-APH

Client Sample ID: VGAC-1-EFF-100621 Client: Aspect Consulting, LLC

Date Received: 10/06/21 Project: Spic'N Span 060172, F&BI 110121

Date Collected: Lab ID: 10/06/21 110121-01 1/5.9 Date Analyzed: 10/14/21 Data File: 101325.DMatrix: Instrument: GCMS7 Air Units: ug/m3 Operator: bat

% Lower Upper Surrogates: Recovery: Limit: Limit: 4-Bromofluorobenzene 90 70 130

Concentration

Compounds: ug/m3

APH EC5-8 aliphatics <440 APH EC9-12 aliphatics <150 APH EC9-10 aromatics <150

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By Method MA-APH

Client Sample ID: VGAC-1-INF-100621 Client: Aspect Consulting, LLC

Date Received: 10/06/21 Project: Spic'N Span 060172, F&BI 110121

Date Collected: Lab ID: 10/06/21 110121-02 1/46 Date Analyzed: 10/14/21 Data File: 101328.DMatrix: Instrument: GCMS7 Air Units: ug/m3 Operator: bat

Concentration

Compounds: ug/m3

APH EC5-8 aliphatics 20,000 APH EC9-12 aliphatics 110,000 ve APH EC9-10 aromatics 2,600

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By Method MA-APH

Client Sample ID: Method Blank Client: Aspect Consulting, LLC

Date Received: Not Applicable Project: Spic'N Span 060172, F&BI 110121

Not Applicable Lab ID: Date Collected: $01\text{-}2240~\mathrm{MB}$ Date Analyzed: 10/13/21 Data File: 101311.D Matrix: Instrument: GCMS7 Air Units: ug/m3 Operator: bat

% Lower Upper Surrogates: Recovery: Limit: Limit: 4-Bromofluorobenzene 88 70 130

Concentration

Compounds: ug/m3

APH EC5-8 aliphatics <75 APH EC9-12 aliphatics <25 APH EC9-10 aromatics <25

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By Method TO-15

Client Sample ID: VGAC-1-EFF-100621 Client: Aspect Consulting, LLC

Date Received: 10/06/21 Project: Spic'N Span 060172, F&BI 110121

Lab ID: Date Collected: 10/06/21 110121-01 1/5.9 Date Analyzed: 10/14/21 Data File: 101325.DMatrix: GCMS7Air Instrument: ug/m3 Units: Operator: bat

	Concentration			Concer	itration
Compounds:	ug/m3	ppbv	Compounds:	ug/m3	ppbv
D	1.40	70	1 2 D' 11	-1.4	-0.00
Propene	140	79	1,2-Dichloropropane	<1.4	<0.29
Dichlorodifluoromethane	4.4	0.90	1,4-Dioxane	<2.1	< 0.59
Chloromethane	<22	<11	2,2,4-Trimethylpentane	<28	< 5.9
F-114	<4.1	< 0.59	Methyl methacrylate	<24	< 5.9
Vinyl chloride	7.4	2.9	Heptane	<24	< 5.9
1,3-Butadiene	< 0.26	< 0.12	Bromodichloromethane	< 0.4	< 0.059
Butane	<28	<12	Trichloroethene	< 0.63	< 0.12
Bromomethane	<14	<3.5	cis-1,3-Dichloropropene	< 2.7	< 0.59
Chloroethane	<16	< 5.9	4-Methyl-2-pentanone	<24	< 5.9
Vinyl bromide	< 2.6	< 0.59	trans-1,3-Dichloropropene	< 2.7	< 0.59
Ethanol	140	73	Toluene	<110	<29
Acrolein	0.68	0.29	1,1,2-Trichloroethane	< 0.32	< 0.059
Pentane	<17	< 5.9	2-Hexanone	<24	< 5.9
Trichlorofluoromethane	<13	< 2.4	Tetrachloroethene	<40	< 5.9
Acetone	<28	<12	Dibromochloromethane	< 0.5	< 0.059
2-Propanol	<51	<21	1,2-Dibromoethane (EDB)	< 0.45	< 0.059
1,1-Dichloroethene	< 2.3	< 0.59	Chlorobenzene	<2.7	< 0.59
trans-1,2-Dichloroethene	< 2.3	< 0.59	Ethylbenzene	4.3	1.0
Methylene chloride	<200	<59	1,1,2,2-Tetrachloroethane	< 0.81	< 0.12
t-Butyl alcohol (TBA)	<72	<24	Nonane	<31	< 5.9
3-Chloropropene	< 9.2	< 2.9	Isopropylbenzene	<15	< 2.9
CFC-113	<4.5	< 0.59	2-Chlorotoluene	<31	< 5.9
Carbon disulfide	<37	<12	Propylbenzene	<15	< 2.9
Methyl t-butyl ether (MTBE)	<11	< 2.9	4-Ethyltoluene	<15	< 2.9
Vinyl acetate	<42	<12	m,p-Xylene	14	3.2
1,1-Dichloroethane	< 2.4	< 0.59	o-Xylene	4.9	1.1
cis-1,2-Dichloroethene	< 2.3	< 0.59	Styrene	<5	<1.2
Hexane	<21	< 5.9	Bromoform	<12	<1.2
Chloroform	< 0.29	< 0.059	Benzyl chloride	< 0.31	< 0.059
Ethyl acetate	<43	<12	1,3,5-Trimethylbenzene	<15	< 2.9
Tetrahydrofuran	13	4.3	1,2,4-Trimethylbenzene	<15	< 2.9
2-Butanone (MEK)	<17	< 5.9	1,3-Dichlorobenzene	<3.5	< 0.59
1,2-Dichloroethane (EDC)	< 0.24	< 0.059	1,4-Dichlorobenzene	<1.3	< 0.22
1,1,1-Trichloroethane	<3.2	< 0.59	1,2-Dichlorobenzene	<3.5	< 0.59
Carbon tetrachloride	<1.9	< 0.29	1,2,4-Trichlorobenzene	<4.4	< 0.59
Benzene	2.2	0.69	Naphthalene	2.0	0.39
Cyclohexane	<41	<12	Hexachlorobutadiene	<1.3	< 0.12
Cyclonexame	> ±1	~12	11cAaciiioi obutauieiie	`1.0	NO.12

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By Method TO-15

Client Sample ID: VGAC-1-INF-100621 Client: Aspect Consulting, LLC

Date Received: 10/06/21 Project: Spic'N Span 060172, F&BI 110121

Date Collected: Lab ID: 10/06/21 110121-02 1/46 Date Analyzed: 10/14/21 Data File: 101328.DMatrix: GCMS7Air Instrument: ug/m3 Units: Operator: bat

Concentration				Conce	ntration
Compounds:	ug/m3	ppbv	Compounds:	ug/m3	ppbv
D	200	100	1 2 D: 11	4 =	0.0
Propene	200	120	1,2-Dichloropropane	15	3.3
Dichlorodifluoromethane	<23	<4.6	1,4-Dioxane	<17	<4.6
Chloromethane	<170	<83	2,2,4-Trimethylpentane	<210	<46
F-114	<32	<4.6	Methyl methacrylate	<190	<46
Vinyl chloride	<12	<4.6	Heptane	<190	<46
1,3-Butadiene	<2	< 0.92	Bromodichloromethane	<3.1	< 0.46
Butane	<220	<92	Trichloroethene	1,000	190
Bromomethane	<110	<28	cis-1,3-Dichloropropene	<21	<4.6
Chloroethane	<120	<46	4-Methyl-2-pentanone	<190	<46
Vinyl bromide	<20	<4.6	trans-1,3-Dichloropropene	<21	<4.6
Ethanol	530	280	Toluene	<870	<230
Acrolein	69	30	1,1,2-Trichloroethane	< 2.5	< 0.46
Pentane	<140	<46	2-Hexanone	<190	<46
Trichlorofluoromethane	<100	<18	Tetrachloroethene	8,400 ve	1,200 ve
Acetone	10,000 ve	4,400 ve	Dibromochloromethane	<3.9	< 0.46
2-Propanol	<400	<160	1,2-Dibromoethane (EDB)	< 3.5	< 0.46
1,1-Dichloroethene	<18	<4.6	Chlorobenzene	<21	<4.6
trans-1,2-Dichloroethene	46	12	Ethylbenzene	56	13
Methylene chloride	<1,600	<460	1,1,2,2-Tetrachloroethane	<6.3	< 0.92
t-Butyl alcohol (TBA)	< 560	<180	Nonane	<240	<46
3-Chloropropene	<72	<23	Isopropylbenzene	<110	<23
CFC-113	<35	<4.6	2-Chlorotoluene	<240	<46
Carbon disulfide	<290	<92	Propylbenzene	<110	<23
Methyl t-butyl ether (MTB	E) <83	<23	4-Ethyltoluene	<110	<23
Vinyl acetate	<320	<92	m,p-Xylene	150	34
1,1-Dichloroethane	<19	<4.6	o-Xylene	57	13
cis-1,2-Dichloroethene	620	160	Styrene	<39	< 9.2
Hexane	<160	<46	Bromoform	<95	< 9.2
Chloroform	19	3.9	Benzyl chloride	<2.4	< 0.46
Ethyl acetate	<330	<92	1,3,5-Trimethylbenzene	<110	<23
Tetrahydrofuran	38	13	1,2,4-Trimethylbenzene	190	39
2-Butanone (MEK)	1,200	410	1,3-Dichlorobenzene	31	5.1
1,2-Dichloroethane (EDC)	69	17	1,4-Dichlorobenzene	<11	<1.7
1,1,1-Trichloroethane	<25	<4.6	1,2-Dichlorobenzene	<28	<4.6
Carbon tetrachloride	<14	<2.3	1,2,4-Trichlorobenzene	<34	<4.6
Benzene	100	32	Naphthalene	160	30
Cyclohexane	<320	<92	Hexachlorobutadiene	<9.8	< 0.92
C _J GIGIICAGIIC	-520	-02	110Auditioi obasauticiic	-0.0	-0.02

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By Method TO-15

Client Sample ID: Method Blank Client: Aspect Consulting, LLC

Date Received: Not Applicable Project: Spic'N Span 060172, F&BI 110121

Lab ID: Date Collected: Not Applicable 01-2240 MB 10/13/21 101311.D Date Analyzed: Data File: Matrix: Air Instrument: GCMS7 Units: ug/m3 Operator: bat

Surrogates: Recovery: Limit: Limit: 4-Bromofluorobenzene 89 70 130

Concentration Concentration Compounds: ug/m3 vdqq Compounds: ug/m3 vdqq < 0.7 <1.2 1,2-Dichloropropane < 0.23 < 0.05 Propene Dichlorodifluoromethane 1,4-Dioxane < 0.49 < 0.1 < 0.36 < 0.1 2,2,4-Trimethylpentane Chloromethane < 3.7< 1.8 < 4.7 <1 Methyl methacrylate F-114 < 0.7 < 0.1 <4.1 <1 Vinyl chloride < 0.26 < 0.1 Heptane <4.1 <1 1,3-Butadiene Bromodichloromethane < 0.044 < 0.02 < 0.067 < 0.01 <2 Butane <4.8 Trichloroethene < 0.11 < 0.02 Bromomethane < 2.3 < 0.6 cis-1,3-Dichloropropene < 0.45 < 0.1 Chloroethane < 2.6 <1 4-Methyl-2-pentanone <4.1 <1 trans-1,3-Dichloropropene Vinyl bromide < 0.44 < 0.1 < 0.1 < 0.45Ethanol Toluene <19 < 7.5<4 < 5 Acrolein < 0.05 1,1,2-Trichloroethane < 0.055 < 0.01 < 0.11 2-Hexanone Pentane <3 <1 < 4.1<1 Tetrachloroethene Trichlorofluoromethane < 2.2 < 0.4 <6.8 <1 Acetone <4.8 <2 Dibromochloromethane < 0.085 < 0.01 2-Propanol <8.6 < 3.5 1,2-Dibromoethane (EDB) < 0.077 < 0.01 1,1-Dichloroethene < 0.4 < 0.1 Chlorobenzene < 0.46 < 0.1 trans-1,2-Dichloroethene < 0.1 Ethylbenzene < 0.1 < 0.4 < 0.43 1,1,2,2-Tetrachloroethane Methylene chloride <35 <10 < 0.14 < 0.02 t-Butyl alcohol (TBA) <12 <4 Nonane < 5.2 <1 3-Chloropropene <1.6 < 0.5 Isopropylbenzene < 2.5 < 0.5 CFC-113 < 0.77< 0.1 2-Chlorotoluene < 5.2<1 Carbon disulfide < 6.2 <2 Propylbenzene < 2.5 < 0.5 4-Ethyltoluene < 2.5Methyl t-butyl ether (MTBE) <1.8 < 0.5 < 0.5 Vinyl acetate <7 <2 m,p-Xylene < 0.87 < 0.2 1,1-Dichloroethane < 0.4 < 0.1 o-Xylene < 0.43 < 0.1 cis-1,2-Dichloroethene Styrene < 0.1 < 0.85 < 0.2 < 0.4 Bromoform < 2.1 < 0.2 Hexane < 3.5 <1 < 0.01 Benzyl chloride Chloroform < 0.049 < 0.052 < 0.01 1,3,5-Trimethylbenzene Ethyl acetate < 7.2<2 < 2.5< 0.5 1,2,4-Trimethylbenzene Tetrahydrofuran < 0.59 < 0.2 < 2.5< 0.5 2-Butanone (MEK) < 2.9 1,3-Dichlorobenzene <1 < 0.6 < 0.1 1,2-Dichloroethane (EDC) < 0.04 < 0.01 1,4-Dichlorobenzene < 0.23 < 0.038 1,1,1-Trichloroethane < 0.55 < 0.1 1.2-Dichlorobenzene < 0.6 < 0.1 Carbon tetrachloride < 0.31 < 0.05 1,2,4-Trichlorobenzene < 0.74 < 0.1 Benzene < 0.32 < 0.1 Naphthalene < 0.26 < 0.05 Cyclohexane <6.9 <2 Hexachlorobutadiene < 0.21 < 0.02

ENVIRONMENTAL CHEMISTS

Date of Report: 10/21/21 Date Received: 10/06/21

Project: Spic'N Span 060172, F&BI 110121

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF AIR SAMPLES FOR VOLATILES BY METHOD MA-APH

Laboratory Code: 110121-01 1/5.9 (Duplicate)

	Reporting	Sample	Duplicate	RPD
Analyte	Units	Result	Result	(Limit 30)
APH EC5-8 aliphatics	ug/m3	<440	<440	nm
APH EC9-12 aliphatics	ug/m3	<150	<150	nm
APH EC9-10 aromatics	ug/m3	<150	<150	nm

Laboratory Code: Laboratory Control Sample

			Percent	
	Reporting	Spike	Recovery	Acceptance
Analyte	Units	Level	LCS	Criteria
APH EC5-8 aliphatics	ug/m3	67	89	70-130
APH EC9-12 aliphatics	ug/m3	67	115	70-130
APH EC9-10 aromatics	ug/m3	67	103	70-130

ENVIRONMENTAL CHEMISTS

Date of Report: 10/21/21 Date Received: 10/06/21

Project: Spic'N Span 060172, F&BI 110121

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF AIR SAMPLES FOR VOLATILES BY METHOD TO-15

Laboratory Code: 110121-01 1/5.9 (Duplicate)

	Reporting	Sample	Duplicate	RPD
Analyte	Units	Result	Result	(Limit 30)
Propene	ug/m3	140	150	7
Dichlorodifluoromethane	ug/m3	4.4	4.7	7
Chloromethane	ug/m3	<22	<22	nm
F-114	ug/m3	<4.1	<4.1	nm
Vinyl chloride	ug/m3	7.4	7.5	1
1,3-Butadiene	ug/m3	< 0.26	< 0.26	nm
Butane	ug/m3	<28	<28	nm
Bromomethane	ug/m3	<14	<14	nm
Chloroethane	ug/m3	<16	<16	nm
Vinyl bromide	ug/m3	< 2.6	< 2.6	nm
Ethanol	ug/m3	140	140	0
Acrolein	ug/m3	0.68	< 0.68	nm
Pentane	ug/m3	<17	<17	nm
Trichlorofluoromethane	ug/m3	<13	<13	nm
Acetone	ug/m3	<28	<28	nm
2-Propanol	ug/m3	<51	<51	nm
1,1-Dichloroethene	ug/m3	< 2.3	< 2.3	nm
trans-1,2-Dichloroethene	ug/m3	< 2.3	< 2.3	nm
Methylene chloride	ug/m3	<200	<200	nm
t-Butyl alcohol (TBA)	ug/m3	<72	<72	nm
3-Chloropropene	ug/m3	< 9.2	< 9.2	nm
CFC-113	ug/m3	<4.5	<4.5	nm
Carbon disulfide	ug/m3	<37	<37	nm
Methyl t-butyl ether (MTBE)	ug/m3	<11	<11	nm
Vinyl acetate	ug/m3	<42	<42	nm
1,1-Dichloroethane	ug/m3	< 2.4	< 2.4	nm
cis-1,2-Dichloroethene	ug/m3	<2.3	<2.3	nm
Hexane	ug/m3	<21	<21	nm
Chloroform	ug/m3	< 0.29	< 0.29	nm
Ethyl acetate	ug/m3	<43	<43	nm
Tetrahydrofuran	ug/m3	13	14	7
2-Butanone (MEK)	ug/m3	<17	<17	nm
1,2-Dichloroethane (EDC)	ug/m3	< 0.24	< 0.24	nm
1,1,1-Trichloroethane	ug/m3	< 3.2	<3.2	nm
Carbon tetrachloride	ug/m3	<1.9	<1.9	nm
Benzene	ug/m3	2.2	2.2	0
Cyclohexane	ug/m3	<41	<41	nm
1,2-Dichloropropane	ug/m3	<1.4	<1.4	nm
1,4-Dioxane	ug/m3	<2.1	<2.1	nm
2,2,4-Trimethylpentane	ug/m3	<28	<28	nm

ENVIRONMENTAL CHEMISTS

Date of Report: 10/21/21 Date Received: 10/06/21

Project: Spic'N Span 060172, F&BI 110121

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF AIR SAMPLES FOR VOLATILES BY METHOD TO-15

Laboratory Code: 110121-01 1/5.9 (Duplicate, continued)

	Reporting	Sample	Duplicate	RPD
Analyte	Units	Result	Result	(Limit 30)
Methyl methacrylate	ug/m3	<24	<24	nm
Heptane	ug/m3	<24	<24	nm
Bromodichloromethane	ug/m3	< 0.4	< 0.4	nm
Trichloroethene	ug/m3	< 0.63	< 0.63	nm
cis-1,3-Dichloropropene	ug/m3	< 2.7	< 2.7	nm
4-Methyl-2-pentanone	ug/m3	<24	<24	nm
trans-1,3-Dichloropropene	ug/m3	< 2.7	< 2.7	nm
Toluene	ug/m3	<110	<110	nm
1,1,2-Trichloroethane	ug/m3	< 0.32	< 0.32	nm
2-Hexanone	ug/m3	<24	<24	nm
Tetrachloroethene	ug/m3	<40	<40	nm
Dibromochloromethane	ug/m3	< 0.5	< 0.5	nm
1,2-Dibromoethane (EDB)	ug/m3	< 0.45	< 0.45	nm
Chlorobenzene	ug/m3	< 2.7	< 2.7	nm
Ethylbenzene	ug/m3	4.3	4.3	0
1,1,2,2-Tetrachloroethane	ug/m3	< 0.81	< 0.81	nm
Nonane	ug/m3	<31	<31	nm
Isopropylbenzene	ug/m3	<15	<15	nm
2-Chlorotoluene	ug/m3	<31	<31	nm
Propylbenzene	ug/m3	<15	<15	nm
4-Ethyltoluene	ug/m3	<15	<15	nm
m,p-Xylene	ug/m3	14	14	0
o-Xylene	ug/m3	4.9	4.8	2
Styrene	ug/m3	<5	<5	nm
Bromoform	ug/m3	<12	<12	nm
Benzyl chloride	ug/m3	< 0.31	< 0.31	nm
1,3,5-Trimethylbenzene	ug/m3	<15	<15	nm
1,2,4-Trimethylbenzene	ug/m3	<15	<15	nm
1,3-Dichlorobenzene	ug/m3	<3.5	< 3.5	nm
1,4-Dichlorobenzene	ug/m3	<1.3	<1.3	nm
1,2-Dichlorobenzene	ug/m3	<3.5	< 3.5	nm
1,2,4-Trichlorobenzene	ug/m3	<4.4	<4.4	nm
Naphthalene	ug/m3	2.0	2.3	14
Hexachlorobutadiene	ug/m3	<1.3	<1.3	nm

ENVIRONMENTAL CHEMISTS

Date of Report: 10/21/21 Date Received: 10/06/21

Project: Spic'N Span 060172, F&BI 110121

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF AIR SAMPLES FOR VOLATILES BY METHOD TO-15

Laboratory Code: Laboratory Control Sample

			Percent	
	Reporting	Spike	Recovery	Acceptance
Analyte	Units	Level	LCS	Criteria
Propene	ug/m3	23	108	70-130
Dichlorodifluoromethane	ug/m3	67	111	70-130
Chloromethane	ug/m3	28	112	70-130
F-114	ug/m3	94	112	70-130
Vinyl chloride	ug/m3	35	108	70-130
1,3-Butadiene	ug/m3	30	105	70-130
Butane	ug/m3	32	106	70-130
Bromomethane	ug/m3	52	113	70-130
Chloroethane	ug/m3	36	112	70-130
Vinyl bromide	ug/m3	59	115	70-130
Ethanol	ug/m3	25	74	70-130
Acrolein	ug/m3	31	96	70-130
Pentane	ug/m3	40	93	70-130
Trichlorofluoromethane	ug/m3	76	116	70-130
Acetone	ug/m3	32	108	70-130
2-Propanol	ug/m3	33	101	70-130
1,1-Dichloroethene	ug/m3	54	107	70-130
trans-1,2-Dichloroethene	ug/m3	54	104	70-130
Methylene chloride	ug/m3	94	112	70-130
t-Butyl alcohol (TBA)	ug/m3	41	105	70-130
3-Chloropropene	ug/m3	42	98	70-130
CFC-113	ug/m3	100	114	70-130
Carbon disulfide	ug/m3	42	114	70-130
Methyl t-butyl ether (MTBE)	ug/m3	49	97	70-130
Vinyl acetate	ug/m3	48	96	70-130
1,1-Dichloroethane	ug/m3	55	108	70-130
cis-1,2-Dichloroethene	ug/m3	54	102	70-130
Hexane	ug/m3	48	94	70-130
Chloroform	ug/m3	66	106	70-130
Ethyl acetate	ug/m3	49	106	70-130
Tetrahydrofuran	ug/m3	40	96	70-130
2-Butanone (MEK)	ug/m3	40	99	70-130
1,2-Dichloroethane (EDC)	ug/m3	55	106	70-130
1,1,1-Trichloroethane	ug/m3	74	112	70-130
Carbon tetrachloride	ug/m3	85	110	70-130
Benzene	ug/m3	43	101	70-130
Cyclohexane	ug/m3	46	86	70-130
1,2-Dichloropropane	ug/m3	62	115	70-130
1,4-Dioxane	ug/m3	49	108	70-130
2,2,4-Trimethylpentane	ug/m3	63	108	70-130

ENVIRONMENTAL CHEMISTS

Date of Report: 10/21/21 Date Received: 10/06/21

Project: Spic'N Span 060172, F&BI 110121

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF AIR SAMPLES FOR VOLATILES BY METHOD TO-15

Laboratory Code: Laboratory Control Sample (Continued)

		(Percent	
	Reporting	Spike	Recovery	Acceptance
Analyte	Units	Level	LCS	Criteria
Methyl methacrylate	ug/m3	55	109	70-130
Heptane	ug/m3	55	105	70-130
Bromodichloromethane	ug/m3	90	113	70-130
Trichloroethene	ug/m3	73	120	70-130
cis-1,3-Dichloropropene	ug/m3	61	118	70-130
4-Methyl-2-pentanone	ug/m3	55	115	70-130
trans-1,3-Dichloropropene	ug/m3	61	113	70-130
Toluene	ug/m3	51	106	70-130
1,1,2-Trichloroethane	ug/m3	74	123	70-130
2-Hexanone	ug/m3	55	110	70-130
Tetrachloroethene	ug/m3	92	122	70-130
Dibromochloromethane	ug/m3	120	114	70-130
1,2-Dibromoethane (EDB)	ug/m3	100	118	70-130
Chlorobenzene	ug/m3	62	117	70-130
Ethylbenzene	ug/m3	59	100	70-130
1,1,2,2-Tetrachloroethane	ug/m3	93	120	70-130
Nonane	ug/m3	71	107	70-130
Isopropylbenzene	ug/m3	66	113	70-130
2-Chlorotoluene	ug/m3	70	113	70-130
Propylbenzene	ug/m3	66	112	70-130
4-Ethyltoluene	ug/m3	66	108	70-130
m,p-Xylene	ug/m3	120	109	70-130
o-Xylene	ug/m3	59	114	70-130
Styrene	ug/m3	58	114	70-130
Bromoform	ug/m3	140	119	70-130
Benzyl chloride	ug/m3	70	123	70-130
1,3,5-Trimethylbenzene	ug/m3	66	111	70-130
1,2,4-Trimethylbenzene	ug/m3	66	106	70-130
1,3-Dichlorobenzene	ug/m3	81	123	70-130
1,4-Dichlorobenzene	ug/m3	81	114	70-130
1,2-Dichlorobenzene	ug/m3	81	118	70-130
1,2,4-Trichlorobenzene	ug/m3	100	116	70-130
Naphthalene	ug/m3	71	114	70-130
Hexachlorobutadiene	ug/m3	140	122	70-130

ENVIRONMENTAL CHEMISTS

Data Qualifiers & Definitions

- a The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.
- b The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.
- ca The calibration results for the analyte were outside of acceptance criteria. The value reported is an estimate.
- c The presence of the analyte may be due to carryover from previous sample injections.
- cf The sample was centrifuged prior to analysis.
- d The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.
- dv Insufficient sample volume was available to achieve normal reporting limits.
- f The sample was laboratory filtered prior to analysis.
- fb The analyte was detected in the method blank.
- fc The analyte is a common laboratory and field contaminant.
- hr The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.
- hs Headspace was present in the container used for analysis.
- ht The analysis was performed outside the method or client-specified holding time requirement.
- ip Recovery fell outside of control limits due to sample matrix effects.
- j The analyte concentration is reported below the lowest calibration standard. The value reported is an estimate.
- J The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.
- jl The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.
- js The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.
- lc The presence of the analyte is likely due to laboratory contamination.
- L The reported concentration was generated from a library search.
- nm The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.
- pc The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.
- ve The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.
- vo The value reported fell outside the control limits established for this analyte.
- x The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

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TURNAROUND TIME	Page # of	10-06-61

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ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D. Yelena Aravkina, M.S. Michael Erdahl, B.S. Arina Podnozova, B.S. Eric Young, B.S. 3012 16th Avenue West Seattle, WA 98119-2029 (206) 285-8282 fbi@isomedia.com www.friedmanandbruya.com

November 1, 2021

Jeremy Porter, Project Manager Aspect Consulting, LLC 710 2nd Ave S, Suite 550 Seattle, WA 98104

Dear Mr Porter:

Included are the results from the testing of material submitted on October 21, 2021 from the Spic'N Span 060172, F&BI 110422 project. There are 13 pages included in this report.

We appreciate this opportunity to be of service to you and hope you will call if you have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.

Michael Erdahl Project Manager

Enclosures c: Aspect Data ASP1101R.DOC

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on October 21, 2020 by Friedman & Bruya, Inc. from the Aspect Consulting, LLC Spic'N Span 060172, F&BI 110422 project. Samples were logged in under the laboratory ID's listed below.

<u>Laboratory ID</u>	Aspect Consulting, LLC
110422 -01	VGAC-EFF-1-102121
110422 -02	VGAC-INF-1-102121

Non-petroleum compounds identified in the air phase hydrocarbon (APH) ranges were subtracted per the MA-APH method.

The concentration of several analytes exceeded the calibration range of the instrument. The data were flagged accordingly.

All other quality control requirements were acceptable.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By Method MA-APH

Client Sample ID: VGAC-EFF-1-102121 Client: Aspect Consulting, LLC Date Received: 10/21/21 Project: $060172, F\&BI\ 110422$ Date Collected: Lab ID: 10/21/21 110422-01 1/5.9 Date Analyzed: 10/23/21 Data File: 102235.DMatrix: Instrument: GCMS7 Air Units: ug/m3 Operator: bat

% Lower Upper Surrogates: Recovery: Limit: Limit: 4-Bromofluorobenzene 91 70 130

Concentration

Compounds: ug/m3

APH EC5-8 aliphatics 900 APH EC9-12 aliphatics 720 APH EC9-10 aromatics 160

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By Method MA-APH

Client Sample ID: VGAC-INF-1-102121 Client: Aspect Consulting, LLC Date Received: 10/21/21 Project: 060172, F&BI 110422

Lab ID: Date Collected: 10/21/21 110422-02 1/44 Date Analyzed: 10/23/21 Data File: 102236.DMatrix: Instrument: GCMS7 Air Units: ug/m3 Operator: bat

% Lower Upper Surrogates: Recovery: Limit: Limit: 4-Bromofluorobenzene 109 70 130

Concentration

Compounds: ug/m3

 $\begin{array}{lll} \text{APH EC5-8 aliphatics} & 34,000 \text{ ve} \\ \text{APH EC9-12 aliphatics} & 320,000 \text{ ve} \\ \text{APH EC9-10 aromatics} & 7,000 \end{array}$

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By Method MA-APH

Client Sample ID: Method Blank Client: Aspect Consulting, LLC Date Received: Not Applicable Project: $060172, F\&BI\ 110422$ Not Applicable Lab ID: Date Collected: 01-2391 MBDate Analyzed: 10/22/21 Data File: 102210.DMatrix: Instrument: GCMS7 Air Units: ug/m3 Operator: bat

% Lower Upper Surrogates: Recovery: Limit: Limit: 4-Bromofluorobenzene 83 70 130

Concentration

Compounds: ug/m3

APH EC5-8 aliphatics <75 APH EC9-12 aliphatics <25 APH EC9-10 aromatics <25

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By Method TO-15

Client Sample ID: VGAC-EFF-1-102121 Client: Aspect Consulting, LLC Date Received: Project: 060172, F&BI 110422 10/21/21 Lab ID: Date Collected: 110422-01 1/5.9 10/21/21 Date Analyzed: 10/23/21 Data File: 102235.DMatrix: GCMS7Air Instrument: ug/m3 Units:

Operator:

bat

% Lower Upper Surrogates: Recovery: Limit: Limit: 4-Bromofluorobenzene 92 70 130

	Concen	tration		Concer	ntration
Compounds:	ug/m3	ppbv	Compounds:	ug/m3	ppbv
Propene	160 ve	93 ve	1,2-Dichloropropane	<1.4	< 0.29
Dichlorodifluoromethane	4.7	95 ve 0.94	1,4-Dioxane	<2.1	< 0.29
Chloromethane	<22	<11	2,2,4-Trimethylpentane	<28	<5.9
F-114	<4.1	< 0.59	Methyl methacrylate	<24	< 5.9
Vinyl chloride	6.3	2.5	Heptane	<24	< 5.9
1,3-Butadiene	< 0.26	< 0.12	Bromodichloromethane	< 0.4	< 0.059
Butane	<28	<12	Trichloroethene	< 0.63	< 0.12
Bromomethane	<14	<3.5	cis-1,3-Dichloropropene	<2.7	< 0.59
Chloroethane	<16	< 5.9	4-Methyl-2-pentanone	33	8.0
Vinyl bromide	< 2.6	< 0.59	trans-1,3-Dichloropropene	< 2.7	< 0.59
Ethanol	440 ve	240 ve	Toluene	120	31
Acrolein	0.85	0.37	1,1,2-Trichloroethane	< 0.32	< 0.059
Pentane	<17	< 5.9	2-Hexanone	<24	< 5.9
Trichlorofluoromethane	<13	< 2.4	Tetrachloroethene	<40	< 5.9
Acetone	66	28	Dibromochloromethane	< 0.5	< 0.059
2-Propanol	<51	<21	1,2-Dibromoethane (EDB)	< 0.45	< 0.059
1,1-Dichloroethene	< 2.3	< 0.59	Chlorobenzene	< 2.7	< 0.59
trans-1,2-Dichloroethene	< 2.3	< 0.59	Ethylbenzene	7.2	1.7
Methylene chloride	<200	<59	1,1,2,2-Tetrachloroethane	< 0.81	< 0.12
t-Butyl alcohol (TBA)	<72	<24	Nonane	<31	< 5.9
3-Chloropropene	< 9.2	< 2.9	Isopropylbenzene	<15	< 2.9
CFC-113	<4.5	< 0.59	2-Chlorotoluene	<31	< 5.9
Carbon disulfide	<37	<12	Propylbenzene	<15	< 2.9
Methyl t-butyl ether (MTBE)	<11	< 2.9	4-Ethyltoluene	<15	< 2.9
Vinyl acetate	<42	<12	m,p-Xylene	31	7.2
1,1-Dichloroethane	< 2.4	< 0.59	o-Xylene	14	3.2
cis-1,2-Dichloroethene	< 2.3	< 0.59	Styrene	12	2.9
Hexane	45	13	Bromoform	<12	<1.2
Chloroform	< 0.29	< 0.059	Benzyl chloride	< 0.31	< 0.059
Ethyl acetate	<43	<12	1,3,5-Trimethylbenzene	<15	< 2.9
Tetrahydrofuran	<3.5	<1.2	1,2,4-Trimethylbenzene	18	3.7
2-Butanone (MEK)	<17	< 5.9	1,3-Dichlorobenzene	< 3.5	< 0.59
1,2-Dichloroethane (EDC)	0.64	0.16	1,4-Dichlorobenzene	<1.3	< 0.22
1,1,1-Trichloroethane	<3.2	< 0.59	1,2-Dichlorobenzene	< 3.5	< 0.59
Carbon tetrachloride	<1.9	< 0.29	1,2,4-Trichlorobenzene	<4.4	< 0.59
Benzene	<1.9	< 0.59	Naphthalene	37	7.0
Cyclohexane	<41	<12	Hexachlorobutadiene	<1.3	<0.12
Cyclonexame	~41	~12	Hexacinorobutatiene	~1.0	\0.1 2

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By Method TO-15

Matrix: Air Instrument: GCMS7 Units: ug/m3 Operator: bat

	%	Lower	Upper
Surrogates:	Recovery:	Limit:	Limit:
4-Bromofluorobenzene	127	70	130

	Concer	ntration		Conce	ntration
Compounds:	ug/m3	ppbv	Compounds:	ug/m3	ppbv
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Propene	130	76	1,2-Dichloropropane	12	2.6
Dichlorodifluoromethane	<22	<4.4	1,4-Dioxane	<16	<4.4
Chloromethane	<160	<79	2,2,4-Trimethylpentane	<210	<44
F-114	<31	<4.4	Methyl methacrylate	<180	<44
Vinyl chloride	<11	<4.4	Heptane	<180	<44
1,3-Butadiene	<1.9	< 0.88	Bromodichloromethane	< 2.9	< 0.44
Butane	<210	<88	Trichloroethene	770	140
Bromomethane	<100	<26	cis-1,3-Dichloropropene	<20	<4.4
Chloroethane	<120	<44	4-Methyl-2-pentanone	<180	<44
Vinyl bromide	<19	<4.4	trans-1,3-Dichloropropene	<20	<4.4
Ethanol	480	260	Toluene	<830	<220
Acrolein	46	20	1,1,2-Trichloroethane	< 2.4	< 0.44
Pentane	<130	<44	2-Hexanone	<180	<44
Trichlorofluoromethane	<99	<18	Tetrachloroethene	8,200 ve	1,200 ve
Acetone	9,700 ve	4,100 ve	Dibromochloromethane	<3.7	< 0.44
2-Propanol	<380	<150	1,2-Dibromoethane (EDB)	< 3.4	< 0.44
1,1-Dichloroethene	<17	<4.4	Chlorobenzene	<20	<4.4
trans-1,2-Dichloroethene	28	7.1	Ethylbenzene	120	28
Methylene chloride	<1,500	<440	1,1,2,2-Tetrachloroethane	<6	< 0.88
t-Butyl alcohol (TBA)	<530	<180	Nonane	<230	<44
3-Chloropropene	<69	<22	Isopropylbenzene	<110	<22
CFC-113	<34	<4.4	2-Chlorotoluene	<230	<44
Carbon disulfide	<270	<88	Propylbenzene	210	43
Methyl t-butyl ether (MTBE)	<79	<22	4-Ethyltoluene	120	23
Vinyl acetate	<310	<88	m,p-Xylene	300	70
1,1-Dichloroethane	<18	<4.4	o-Xylene	120	27
cis-1,2-Dichloroethene	370	93	Styrene	<37	<8.8
Hexane	<160	<44	Bromoform	<91	<8.8
Chloroform	12	2.5	Benzyl chloride	< 2.3	< 0.44
Ethyl acetate	<320	<88	1,3,5-Trimethylbenzene	<110	<22
Tetrahydrofuran	<26	<8.8	1,2,4-Trimethylbenzene	560	110
2-Butanone (MEK)	1,500	520	1,3-Dichlorobenzene	<26	<4.4
1,2-Dichloroethane (EDC)	66	16	1,4-Dichlorobenzene	13	2.2
1,1,1-Trichloroethane	<24	<4.4	1,2-Dichlorobenzene	29	4.8
Carbon tetrachloride	<14	<2.2	1,2,4-Trichlorobenzene	<33	<4.4
Benzene	100	32	Naphthalene	1,200	220
Cyclohexane	<300	<88	Hexachlorobutadiene	<9.4	< 0.88
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ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By Method TO-15

Client Sample ID: Method Blank Client: Aspect Consulting, LLC Date Received: Not Applicable Project: 060172, F&BI 110422

Lab ID: Date Collected: Not Applicable 01-2391 MB 10/22/21 Date Analyzed: Data File: 102210.DGCMS7 Matrix: Instrument: Air Units: ug/m3 Operator: bat

	%	Lower	$_{ m Upper}$
Surrogates:	Recovery:	Limit:	Limit:
4-Bromofluorobenzene	84	70	130

	Concen	tration		Concer	itration
Compounds:	ug/m3	ppbv	Compounds:	ug/m3	ppbv
Propene	<1.2	< 0.7	1,2-Dichloropropane	< 0.23	< 0.05
Dichlorodifluoromethane	< 0.49	< 0.1	1,4-Dioxane	< 0.36	< 0.1
Chloromethane	<3.7	<1.8	2,2,4-Trimethylpentane	<4.7	<1
F-114	< 0.7	< 0.1	Methyl methacrylate	<4.1	<1
Vinyl chloride	< 0.26	< 0.1	Heptane	<4.1	<1
1,3-Butadiene	< 0.044	< 0.02	Bromodichloromethane	< 0.067	< 0.01
Butane	<4.8	<2	Trichloroethene	< 0.11	< 0.02
Bromomethane	< 2.3	< 0.6	cis-1,3-Dichloropropene	< 0.45	< 0.1
Chloroethane	< 2.6	<1	4-Methyl-2-pentanone	<4.1	<1
Vinyl bromide	< 0.44	< 0.1	trans-1,3-Dichloropropene	< 0.45	< 0.1
Ethanol	< 7.5	<4	Toluene	<19	<5
Acrolein	< 0.11	< 0.05	1,1,2-Trichloroethane	< 0.055	< 0.01
Pentane	<3	<1	2-Hexanone	<4.1	<1
Trichlorofluoromethane	< 2.2	< 0.4	Tetrachloroethene	<6.8	<1
Acetone	<4.8	<2	Dibromochloromethane	< 0.085	< 0.01
2-Propanol	<8.6	< 3.5	1,2-Dibromoethane (EDB)	< 0.077	< 0.01
1,1-Dichloroethene	< 0.4	< 0.1	Chlorobenzene	< 0.46	< 0.1
trans-1,2-Dichloroethene	< 0.4	< 0.1	Ethylbenzene	< 0.43	< 0.1
Methylene chloride	<35	<10	1,1,2,2-Tetrachloroethane	< 0.14	< 0.02
t-Butyl alcohol (TBA)	<12	<4	Nonane	< 5.2	<1
3-Chloropropene	<1.6	< 0.5	Isopropylbenzene	< 2.5	< 0.5
CFC-113	< 0.77	< 0.1	2-Chlorotoluene	< 5.2	<1
Carbon disulfide	< 6.2	<2	Propylbenzene	< 2.5	< 0.5
Methyl t-butyl ether (MTBE)	<1.8	< 0.5	4-Ethyltoluene	< 2.5	< 0.5
Vinyl acetate	<7	<2	m,p-Xylene	< 0.87	< 0.2
1,1-Dichloroethane	< 0.4	< 0.1	o-Xylene	< 0.43	< 0.1
cis-1,2-Dichloroethene	< 0.4	< 0.1	Styrene	< 0.85	< 0.2
Hexane	<3.5	<1	Bromoform	<2.1	< 0.2
Chloroform	< 0.049	< 0.01	Benzyl chloride	< 0.052	< 0.01
Ethyl acetate	<7.2	<2	1,3,5-Trimethylbenzene	< 2.5	< 0.5
Tetrahydrofuran	< 0.59	< 0.2	1,2,4-Trimethylbenzene	< 2.5	< 0.5
2-Butanone (MEK)	< 2.9	<1	1,3-Dichlorobenzene	< 0.6	< 0.1
1,2-Dichloroethane (EDC)	< 0.04	< 0.01	1,4-Dichlorobenzene	< 0.23	< 0.038
1,1,1-Trichloroethane	< 0.55	< 0.1	1,2-Dichlorobenzene	< 0.6	< 0.1
Carbon tetrachloride	< 0.31	< 0.05	1,2,4-Trichlorobenzene	< 0.74	< 0.1
Benzene	< 0.32	< 0.1	Naphthalene	< 0.26	< 0.05
Cyclohexane	< 6.9	<2	Hexachlorobutadiene	< 0.21	< 0.02

ENVIRONMENTAL CHEMISTS

Date of Report: 11/01/21 Date Received: 10/21/21

Project: Spic'N Span 060172, F&BI 110422

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF AIR SAMPLES FOR VOLATILES BY METHOD MA-APH

Laboratory Code: 110450-01 1/6.7 (Duplicate)

	Reporting	Sample	Duplicate	RPD
Analyte	Units	Result	Result	(Limit 30)
APH EC5-8 aliphatics	ug/m3	640	630	2
APH EC9-12 aliphatics	ug/m3	2,800	2,800	0
APH EC9-10 aromatics	ug/m3	<170	<170	nm

Laboratory Code: Laboratory Control Sample

			Percent	
	Reporting	Spike	Recovery	Acceptance
Analyte	Units	Level	LCS	Criteria
APH EC5-8 aliphatics	ug/m3	67	110	70-130
APH EC9-12 aliphatics	ug/m3	67	111	70-130
APH EC9-10 aromatics	ug/m3	67	96	70-130

ENVIRONMENTAL CHEMISTS

Date of Report: 11/01/21 Date Received: 10/21/21

Project: Spic'N Span 060172, F&BI 110422

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF AIR SAMPLES FOR VOLATILES BY METHOD TO-15

Laboratory Code: 110450-01 1/6.7 (Duplicate)

	Reporting	Sample	Duplicate	RPD
Analyte	Units	Result	Result	(Limit 30)
Propene	ug/m3	<8.1	<8.1	nm
Dichlorodifluoromethane	ug/m3	100	100	0
Chloromethane	ug/m3	<25	<25	nm
F-114	ug/m3	<4.7	<4.7	nm
Vinyl chloride	ug/m3	<1.7	<1.7	nm
1,3-Butadiene	ug/m3	0.59	0.59	0
Butane	ug/m3	<32	<32	nm
Bromomethane	ug/m3	<16	<16	nm
Chloroethane	ug/m3	<18	<18	nm
Vinyl bromide	ug/m3	< 2.9	< 2.9	nm
Ethanol	ug/m3	82	90	9
Acrolein	ug/m3	1.4	1.3	7
Pentane	ug/m3	<20	<20	nm
Trichlorofluoromethane	ug/m3	<15	<15	nm
Acetone	ug/m3	280	280	0
2-Propanol	ug/m3	<58	<58	nm
1,1-Dichloroethene	ug/m3	< 2.7	< 2.7	nm
trans-1,2-Dichloroethene	ug/m3	< 2.7	< 2.7	nm
Methylene chloride	ug/m3	<230	<230	nm
t-Butyl alcohol (TBA)	ug/m3	<81	<81	nm
3-Chloropropene	ug/m3	<10	<10	nm
CFC-113	ug/m3	< 5.1	< 5.1	nm
Carbon disulfide	ug/m3	<42	<42	nm
Methyl t-butyl ether (MTBE)	ug/m3	<12	<12	nm
Vinyl acetate	ug/m3	<47	<47	nm
1,1-Dichloroethane	ug/m3	< 2.7	< 2.7	nm
cis-1,2-Dichloroethene	ug/m3	< 2.7	< 2.7	nm
Hexane	ug/m3	<24	<24	nm
Chloroform	ug/m3	0.85	0.85	0
Ethyl acetate	ug/m3	<48	<48	nm
Tetrahydrofuran	ug/m3	<4	<4	nm
2-Butanone (MEK)	ug/m3	<20	<20	nm
1,2-Dichloroethane (EDC)	ug/m3	< 0.27	< 0.27	nm
1,1,1-Trichloroethane	ug/m3	< 3.7	< 3.7	nm
Carbon tetrachloride	ug/m3	< 2.1	<2.1	nm
Benzene	ug/m3	2.6	2.6	0
Cyclohexane	ug/m3	<46	<46	nm
1,2-Dichloropropane	ug/m3	<1.5	<1.5	nm
1,4-Dioxane	ug/m3	< 2.4	< 2.4	nm
2,2,4-Trimethylpentane	ug/m3	<31	<31	nm

ENVIRONMENTAL CHEMISTS

Date of Report: 11/01/21 Date Received: 10/21/21

Project: Spic'N Span 060172, F&BI 110422

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF AIR SAMPLES FOR VOLATILES BY METHOD TO-15

Laboratory Code: 110450-01 1/6.7 (Duplicate, continued)

	Reporting	Sample	Duplicate	RPD
Analyte	Units	Result	Result	(Limit 30)
Methyl methacrylate	ug/m3	<27	<27	nm
Heptane	ug/m3	<27	<27	nm
Bromodichloromethane	ug/m3	< 0.45	< 0.45	nm
Trichloroethene	ug/m3	1.9	1.9	0
cis-1,3-Dichloropropene	ug/m3	<3	<3	nm
4-Methyl-2-pentanone	ug/m3	<27	<27	nm
trans-1,3-Dichloropropene	ug/m3	<3	<3	nm
Toluene	ug/m3	<130	<130	nm
1,1,2-Trichloroethane	ug/m3	< 0.37	< 0.37	nm
2-Hexanone	ug/m3	<27	<27	nm
Tetrachloroethene	ug/m3	<45	<45	nm
Dibromochloromethane	ug/m3	< 0.57	< 0.57	nm
1,2-Dibromoethane (EDB)	ug/m3	< 0.51	< 0.51	nm
Chlorobenzene	ug/m3	<3.1	<3.1	nm
Ethylbenzene	ug/m3	< 2.9	< 2.9	nm
1,1,2,2-Tetrachloroethane	ug/m3	< 0.92	< 0.92	nm
Nonane	ug/m3	56	58	4
Isopropylbenzene	ug/m3	<16	<16	nm
2-Chlorotoluene	ug/m3	<35	<35	nm
Propylbenzene	ug/m3	<16	<16	nm
4-Ethyltoluene	ug/m3	<16	<16	nm
m,p-Xylene	ug/m3	9.8	10	2
o-Xylene	ug/m3	4.1	4.0	2
Styrene	ug/m3	< 5.7	< 5.7	nm
Bromoform	ug/m3	<14	<14	nm
Benzyl chloride	ug/m3	< 0.35	< 0.35	nm
1,3,5-Trimethylbenzene	ug/m3	<16	<16	nm
1,2,4-Trimethylbenzene	ug/m3	<16	<16	nm
1,3-Dichlorobenzene	ug/m3	<4	<4	nm
1,4-Dichlorobenzene	ug/m3	<1.5	<1.5	nm
1,2-Dichlorobenzene	ug/m3	<4	<4	nm
1,2,4-Trichlorobenzene	ug/m3	<5	<5	nm
Naphthalene	ug/m3	<1.8	<1.8	nm
Hexachlorobutadiene	ug/m3	<1.4	<1.4	nm

ENVIRONMENTAL CHEMISTS

Date of Report: 11/01/21 Date Received: 10/21/21

Project: Spic'N Span 060172, F&BI 110422

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF AIR SAMPLES FOR VOLATILES BY METHOD TO-15

Laboratory Code: Laboratory Control Sample

v	1		Percent	
	Reporting	Spike	Recovery	Acceptance
Analyte	Units	Level	LCS	Criteria
Propene	ug/m3	23	120	70-130
Dichlorodifluoromethane	ug/m3	67	98	70-130
Chloromethane	ug/m3	28	97	70-130
F-114	ug/m3	94	102	70-130
Vinyl chloride	ug/m3	35	91	70-130
1,3-Butadiene	ug/m3	30	79	70-130
Butane	ug/m3	32	82	70-130
Bromomethane	ug/m3	52	115	70-130
Chloroethane	ug/m3	36	97	70-130
Vinyl bromide	ug/m3	59	92	70-130
Ethanol	ug/m3	25	80	70-130
Acrolein	ug/m3	31	81	70-130
Pentane	ug/m3	40	77	70-130
Trichlorofluoromethane	ug/m3	76	109	70-130
Acetone	ug/m3	32	97	70-130
2-Propanol	ug/m3	33	87	70-130
1,1-Dichloroethene	ug/m3	54	98	70-130
trans-1,2-Dichloroethene	ug/m3	54	92	70-130
Methylene chloride	ug/m3	94	99	70-130
t-Butyl alcohol (TBA)	ug/m3	41	88	70-130
3-Chloropropene	ug/m3	42	85	70-130
CFC-113	ug/m3	100	105	70-130
Carbon disulfide	ug/m3	42	104	70-130
Methyl t-butyl ether (MTBE)	ug/m3	49	80	70-130
Vinyl acetate	ug/m3	48	75	70-130
1,1-Dichloroethane	ug/m3	55	98	70-130
cis-1,2-Dichloroethene	ug/m3	54	89	70-130
Hexane	ug/m3	48	76	70-130
Chloroform	ug/m3	66	97	70-130
Ethyl acetate	ug/m3	49	89	70-130
Tetrahydrofuran	ug/m3	40	82	70-130
2-Butanone (MEK)	ug/m3	40	92	70-130
1,2-Dichloroethane (EDC)	ug/m3	55	96	70-130
1,1,1-Trichloroethane	ug/m3	74	102	70-130
Carbon tetrachloride	ug/m3	85	103	70-130
Benzene	ug/m3	43	88	70-130
Cyclohexane	ug/m3	46	76	70-130
1,2-Dichloropropane	ug/m3	62	111	70-130
1,4-Dioxane	ug/m3	49	98	70-130
2,2,4-Trimethylpentane	ug/m3	63	95	70-130

ENVIRONMENTAL CHEMISTS

Date of Report: 11/01/21 Date Received: 10/21/21

Project: Spic'N Span 060172, F&BI 110422

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF AIR SAMPLES FOR VOLATILES BY METHOD TO-15

Laboratory Code: Laboratory Control Sample (continued)

		(Percent	
	Reporting	Spike	Recovery	Acceptance
Analyte	Units	Level	LCS	Criteria
Methyl methacrylate	ug/m3	55	102	70-130
Heptane	ug/m3	55	90	70-130
Bromodichloromethane	ug/m3	90	111	70-130
Trichloroethene	ug/m3	73	116	70-130
cis-1,3-Dichloropropene	ug/m3	61	111	70-130
4-Methyl-2-pentanone	ug/m3	55	114	70-130
trans-1,3-Dichloropropene	ug/m3	61	106	70-130
Toluene	ug/m3	51	101	70-130
1,1,2-Trichloroethane	ug/m3	74	121	70-130
2-Hexanone	ug/m3	55	102	70-130
Tetrachloroethene	ug/m3	92	120	70-130
Dibromochloromethane	ug/m3	120	114	70-130
1,2-Dibromoethane (EDB)	ug/m3	100	116	70-130
Chlorobenzene	ug/m3	62	113	70-130
Ethylbenzene	ug/m3	59	84	70-130
1,1,2,2-Tetrachloroethane	ug/m3	93	112	70-130
Nonane	ug/m3	71	86	70-130
Isopropylbenzene	ug/m3	66	100	70-130
2-Chlorotoluene	ug/m3	70	98	70-130
Propylbenzene	ug/m3	66	95	70-130
4-Ethyltoluene	ug/m3	66	90	70-130
m,p-Xylene	ug/m3	120	91	70-130
o-Xylene	ug/m3	59	95	70-130
Styrene	ug/m3	58	94	70-130
Bromoform	ug/m3	140	120	70-130
Benzyl chloride	ug/m3	70	109	70-130
1,3,5-Trimethylbenzene	ug/m3	66	89	70-130
1,2,4-Trimethylbenzene	ug/m3	66	88	70-130
1,3-Dichlorobenzene	ug/m3	81	113	70-130
1,4-Dichlorobenzene	ug/m3	81	101	70-130
1,2-Dichlorobenzene	ug/m3	81	107	70-130
1,2,4-Trichlorobenzene	ug/m3	100	99	70-130
Naphthalene	ug/m3	71	97	70-130
Hexachlorobutadiene	ug/m3	140	110	70-130

ENVIRONMENTAL CHEMISTS

Data Qualifiers & Definitions

- a The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.
- b The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.
- ca The calibration results for the analyte were outside of acceptance criteria. The value reported is an estimate.
- c The presence of the analyte may be due to carryover from previous sample injections.
- cf The sample was centrifuged prior to analysis.
- d The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.
- dv Insufficient sample volume was available to achieve normal reporting limits.
- f The sample was laboratory filtered prior to analysis.
- fb The analyte was detected in the method blank.
- fc The analyte is a common laboratory and field contaminant.
- hr The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.
- hs Headspace was present in the container used for analysis.
- ht The analysis was performed outside the method or client-specified holding time requirement.
- ip Recovery fell outside of control limits due to sample matrix effects.
- j The analyte concentration is reported below the lowest calibration standard. The value reported is an estimate.
- J The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.
- jl The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.
- js The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.
- lc The presence of the analyte is likely due to laboratory contamination.
- L The reported concentration was generated from a library search.
- nm The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.
- pc The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.
- ve The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.
- vo The value reported fell outside the control limits established for this analyte.
- x The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

Company ASPECT COSULTIC Address 710 200 AVE SUITE City, State, ZIP SCUTTIC, WA 98 Report To Jeremy Parter 110422

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NE 10/21/21

	SAMPLERS (signature)		Page# of
Report To Jelemy Pate	MOMMALL	Note !	TURNAROUND TIME
3	PROJECT NAME & ADDRESS	PO#	Standard
Address 710 2nd Ave Suite 550	Spie' N Span	060172	Rush charges authorized hy:
City, State, ZIP SCUTTIC, WA 98104	NOTES:	INVOICE TO	SAMPLE DISPOSAL □ Default: Clean after 3 days
Phone 2011, 740, 2129 Email put religios particios sumas com	ma.		□ Archive (Fee may apply)

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						YEAR-INF. 1-102121 02 8207 301	YEAR-EFF-1-102121 01 8529 242	Sample Name	SAMPLE INFORMATION
						02	2	Lab .	
						8207	8529	Canister ID	
						301	242	Flow Cont.	
IA / SG	IA / SG	IA / SG	IA / SG	IA / SG	IA / SG	IA / (SG)	IA 1/8G) 10/21/21/29 1/21/0	Reporting Level: IA=Indoor Air SG=Soil Gas (Circle One)	
							10/21/21	Initial Field Date Vac. Initial Sampled ("Hg) Time	
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Friedman & Bruya, Inc.	SIGNATURE	PRINT NAME	COMPANY	DATE	HMIT
3012 16th Avenue West	Relinguished by:	Manigue Rutte	Assect	10/21/21 1/384	1334
Seattle, WA 98119-2029	Received by:	When Phan	to BI	10/21/21	10/6/6/1334
Ph. (206) 285-8282	Relinquished by:				
Fax (206) 283-5044	Received by:	ten production of the control of the	The state of the s		
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ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D. Yelena Aravkina, M.S. Michael Erdahl, B.S. Arina Podnozova, B.S. Eric Young, B.S. 3012 16th Avenue West Seattle, WA 98119-2029 (206) 285-8282 fbi@isomedia.com www.friedmanandbruya.com

November 16, 2021

Jeremy Porter, Project Manager Aspect Consulting, LLC 710 2nd Ave S, Suite 550 Seattle, WA 98104

Dear Mr Porter:

Included are the results from the testing of material submitted on November 5, 2021 from the Spic'n Span 060172, F&BI 111134 project. There are 13 pages included in this report.

We appreciate this opportunity to be of service to you and hope you will call if you have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.

Michael Erdahl Project Manager

Enclosures c: Aspect Data ASP1116R.DOC

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on November 5, 2021 by Friedman & Bruya, Inc. from the Aspect Consulting, LLC Spic'n Span 060172, F&BI 111134 project. Samples were logged in under the laboratory ID's listed below.

<u>Laboratory ID</u>	Aspect Consulting, LLC
111134 -01	VGAC-4-INF-110521
111134 -02	VGAC-4-EFF-110521

Non-petroleum compounds identified in the air phase hydrocarbon (APH) ranges were subtracted per the MA-APH method.

The concentration of several analytes exceeded the calibration range of the instrument. The data were flagged accordingly.

All other quality control requirements were acceptable.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By Method MA-APH

Client Sample ID: VGAC-4-INF-110521 Client: Aspect Consulting, LLC

Date Received: 11/05/21 Project: Spic'n Span 060172, F&BI 111134

 Date Collected:
 11/05/21
 Lab ID:
 111134-01 1/8.9

 Date Analyzed:
 11/09/21
 Data File:
 110824.D

Matrix: Air Instrument: GCMS7 Units: ug/m3 Operator: bat

% Lower Upper Surrogates: Recovery: Limit: Limit: 4-Bromofluorobenzene 95 70 130

Concentration

Compounds: ug/m3

APH EC5-8 aliphatics 9,500 ve APH EC9-12 aliphatics 83,000 ve APH EC9-10 aromatics 2,000

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By Method MA-APH

Client Sample ID: VGAC-4-EFF-110521 Client: Aspect Consulting, LLC

Date Received: 11/05/21 Project: Spic'n Span 060172, F&BI 111134

Date Collected: Lab ID: 11/05/21 111134-02 1/5.7 Date Analyzed: 11/08/21 Data File: 110822.DMatrix: Instrument: GCMS7 Air Units: ug/m3 Operator: bat

% Lower Upper Surrogates: Recovery: Limit: Limit: 4-Bromofluorobenzene 83 70 130

Concentration

Compounds: ug/m3

APH EC5-8 aliphatics <430 APH EC9-12 aliphatics <140 APH EC9-10 aromatics <140

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By Method MA-APH

Client Sample ID: Method Blank Client: Aspect Consulting, LLC

Date Received: Not Applicable Project: Spic'n Span 060172, F&BI 111134

Not Applicable Lab ID: Date Collected: $01\text{-}2565~\mathrm{MB}$ Date Analyzed: 11/08/21 Data File: 110810.DMatrix: Air Instrument: GCMS7 Units: ug/m3 Operator: bat

% Lower Upper Surrogates: Recovery: Limit: Limit: 4-Bromofluorobenzene 81 70 130

Concentration

Compounds: ug/m3

APH EC5-8 aliphatics <75 APH EC9-12 aliphatics <25 APH EC9-10 aromatics <25

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By Method TO-15

Client Sample ID: VGAC-4-INF-110521 Client: Aspect Consulting, LLC

Date Received: 11/05/21 Project: Spic'n Span 060172, F&BI 111134

Lab ID: Date Collected: 11/05/21 111134-01 1/8.9 Date Analyzed: 11/09/21 Data File: 110824.DGCMS7 Matrix: Air Instrument: Operator: Units: ug/m3 bat

	%	Lower	$_{ m Upper}$
Surrogates:	Recovery:	Limit:	Limit:
4-Bromofluorobenzene	118	70	130

	Concer	ntration		Concer	ntration
Compounds:	ug/m3	ppbv	Compounds:	ug/m3	ppbv
-					
Propene	90	52	1,2-Dichloropropane	3.0	0.66
Dichlorodifluoromethane	<4.4	< 0.89	1,4-Dioxane	< 3.2	< 0.89
Chloromethane	<33	<16	2,2,4-Trimethylpentane	<42	<8.9
F-114	< 6.2	< 0.89	Methyl methacrylate	<36	<8.9
Vinyl chloride	< 2.3	< 0.89	Heptane	<36	<8.9
1,3-Butadiene	< 0.39	< 0.18	Bromodichloromethane	< 0.6	< 0.089
Butane	<42	<18	Trichloroethene	310	57
Bromomethane	<21	< 5.3	cis-1,3-Dichloropropene	<4	< 0.89
Chloroethane	<23	<8.9	4-Methyl-2-pentanone	<36	<8.9
Vinyl bromide	<3.9	< 0.89	trans-1,3-Dichloropropene	<4	< 0.89
Ethanol	300 ve	160 ve	Toluene	<170	<44
Acrolein	50	22	1,1,2-Trichloroethane	< 0.49	< 0.089
Pentane	46	16	2-Hexanone	<36	<8.9
Trichlorofluoromethane	<20	<3.6	Tetrachloroethene	3,100 ve	460 ve
Acetone	8,100 ve	3,400 ve	Dibromochloromethane	< 0.76	< 0.089
2-Propanol	<77	<31	1,2-Dibromoethane (EDB)	< 0.68	< 0.089
1,1-Dichloroethene	< 3.5	< 0.89	Chlorobenzene	<4.1	< 0.89
trans-1,2-Dichloroethene	12	3.0	Ethylbenzene	45	10
Methylene chloride	<310	<89	1,1,2,2-Tetrachloroethane	<1.2	< 0.18
t-Butyl alcohol (TBA)	<110	<36	Nonane	<47	<8.9
3-Chloropropene	<14	<4.4	Isopropylbenzene	27	5.4
CFC-113	<6.8	< 0.89	2-Chlorotoluene	<46	<8.9
Carbon disulfide	110	35	Propylbenzene	60	12
Methyl t-butyl ether (MTBE	Z) <16	<4.4	4-Ethyltoluene	48	9.7
Vinyl acetate	< 63	<18	m,p-Xylene	110	25
1,1-Dichloroethane	<3.6	< 0.89	o-Xylene	38	8.7
cis-1,2-Dichloroethene	180	46	Styrene	<7.6	<1.8
Hexane	<31	<8.9	Bromoform	<18	<1.8
Chloroform	10	2.1	Benzyl chloride	< 0.46	< 0.089
Ethyl acetate	<64	<18	1,3,5-Trimethylbenzene	42	8.5
Tetrahydrofuran	9.6	3.2	1,2,4-Trimethylbenzene	200	41
2-Butanone (MEK)	1,400 ve	480 ve	1,3-Dichlorobenzene	< 5.4	< 0.89
1,2-Dichloroethane (EDC)	17	4.3	1,4-Dichlorobenzene	5.9	0.98
1,1,1-Trichloroethane	<4.9	< 0.89	1,2-Dichlorobenzene	15	2.5
Carbon tetrachloride	<2.8	< 0.44	1,2,4-Trichlorobenzene	<6.6	< 0.89
Benzene	63	20	Naphthalene	820 ve	160 ve
Cyclohexane	<61	<18	Hexachlorobutadiene	<1.9	< 0.18
- 0	01	0		1.0	

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By Method TO-15

Client Sample ID: VGAC-4-EFF-110521 Client: Aspect Consulting, LLC

Date Received: 11/05/21 Project: Spic'n Span 060172, F&BI 111134

Lab ID: Date Collected: 111134-02 1/5.7 11/05/21 Date Analyzed: 11/08/21 Data File: 110822.DMatrix: Instrument: GCMS7Air Units: ug/m3 Operator: bat

	%	Lower	Upper
Surrogates:	Recovery:	Limit:	Limit:
4-Bromofluorobenzene	91	70	130

	Concent	tration		Concer	itration
Compounds:	ug/m3	ppbv	Compounds:	ug/m3	ppbv
Propene	92	54	1,2-Dichloropropane	<1.3	< 0.28
Dichlorodifluoromethane	4.3	0.86	1,4-Dioxane	<2.1	< 0.57
Chloromethane	<21	<10	2,2,4-Trimethylpentane	<2.1 <27	<5.7
F-114	<4	< 0.57	Methyl methacrylate	<23	<5.7
Vinyl chloride	3.2	1.3	Heptane	<23	<5.7
	3.2 <0.25	< 0.11	Bromodichloromethane	<0.38	<0.057
1,3-Butadiene Butane	<0.25 <27	<0.11 <11	Trichloroethene	< 0.58	< 0.057
		<3.4		<2.6	
Bromomethane	<13		cis-1,3-Dichloropropene		< 0.57
Chloroethane	<15 <2.5	< 5.7	4-Methyl-2-pentanone	<23	<5.7
Vinyl bromide		< 0.57	trans-1,3-Dichloropropene	< 2.6	< 0.57
Ethanol	240 ve	130 ve	Toluene	<110	<28
Acrolein	< 0.65	< 0.28	1,1,2-Trichloroethane	< 0.31	< 0.057
Pentane	<17	< 5.7	2-Hexanone	<23	< 5.7
Trichlorofluoromethane	<13	<2.3	Tetrachloroethene	<39	< 5.7
Acetone	<27	<11	Dibromochloromethane	< 0.49	< 0.057
2-Propanol	<49	<20	1,2-Dibromoethane (EDB)	< 0.44	< 0.057
1,1-Dichloroethene	<2.3	< 0.57	Chlorobenzene	< 2.6	< 0.57
trans-1,2-Dichloroethene	<2.3	< 0.57	Ethylbenzene	< 2.5	< 0.57
Methylene chloride	<200	<57	1,1,2,2-Tetrachloroethane	< 0.78	< 0.11
t-Butyl alcohol (TBA)	<69	<23	Nonane	<30	< 5.7
3-Chloropropene	<8.9	< 2.8	Isopropylbenzene	<14	< 2.8
CFC-113	<4.4	< 0.57	2-Chlorotoluene	<30	< 5.7
Carbon disulfide	<36	<11	Propylbenzene	<14	< 2.8
Methyl t-butyl ether (MTBE)	<10	< 2.8	4-Ethyltoluene	<14	< 2.8
Vinyl acetate	<40	<11	m,p-Xylene	<5	<1.1
1,1-Dichloroethane	< 2.3	< 0.57	o-Xylene	< 2.5	< 0.57
cis-1,2-Dichloroethene	< 2.3	< 0.57	Styrene	<4.9	<1.1
Hexane	<20	< 5.7	Bromoform	<12	<1.1
Chloroform	< 0.28	< 0.057	Benzyl chloride	< 0.3	< 0.057
Ethyl acetate	<41	<11	1,3,5-Trimethylbenzene	<14	< 2.8
Tetrahydrofuran	< 3.4	<1.1	1,2,4-Trimethylbenzene	<14	< 2.8
2-Butanone (MEK)	<17	< 5.7	1,3-Dichlorobenzene	< 3.4	< 0.57
1,2-Dichloroethane (EDC)	< 0.23	< 0.057	1,4-Dichlorobenzene	<1.3	< 0.22
1,1,1-Trichloroethane	< 3.1	< 0.57	1,2-Dichlorobenzene	< 3.4	< 0.57
Carbon tetrachloride	<1.8	< 0.28	1,2,4-Trichlorobenzene	<4.2	< 0.57
Benzene	<1.8	< 0.57	Naphthalene	<1.5	< 0.28
Cyclohexane	<39	<11	Hexachlorobutadiene	<1.2	< 0.11

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By Method TO-15

Client Sample ID: Method Blank Client: Aspect Consulting, LLC

Date Received: Not Applicable Project: Spic'n Span 060172, F&BI 111134

Lab ID: Date Collected: Not Applicable $01\text{-}2565~\mathrm{MB}$ 11/08/21 Date Analyzed: Data File: 110810.DGCMS7 Matrix: Air Instrument: ug/m3Units: Operator: bat

	%	Lower	$_{ m Upper}$
Surrogates:	Recovery:	Limit:	Limit:
4-Bromofluorobenzene	88	70	130

	Concen	tration		Concer	ntration
Compounds:	ug/m3	ppbv	Compounds:	ug/m3	ppbv
Propene	<1.2	< 0.7	1,2-Dichloropropane	< 0.23	< 0.05
Dichlorodifluoromethane	< 0.49	< 0.1	1,4-Dioxane	< 0.36	< 0.1
Chloromethane	<3.7	<1.8	2,2,4-Trimethylpentane	<4.7	<1
F-114	< 0.7	< 0.1	Methyl methacrylate	<4.1	<1
Vinyl chloride	< 0.26	< 0.1	Heptane	<4.1	<1
1,3-Butadiene	< 0.044	< 0.02	Bromodichloromethane	< 0.067	< 0.01
Butane	<4.8	<2	Trichloroethene	< 0.11	< 0.02
Bromomethane	< 2.3	< 0.6	cis-1,3-Dichloropropene	< 0.45	< 0.1
Chloroethane	< 2.6	<1	4-Methyl-2-pentanone	<4.1	<1
Vinyl bromide	< 0.44	< 0.1	trans-1,3-Dichloropropene	< 0.45	< 0.1
Ethanol	< 7.5	<4	Toluene	<19	<5
Acrolein	< 0.11	< 0.05	1,1,2-Trichloroethane	< 0.055	< 0.01
Pentane	<3	<1	2-Hexanone	<4.1	<1
Trichlorofluoromethane	< 2.2	< 0.4	Tetrachloroethene	<6.8	<1
Acetone	<4.8	<2	Dibromochloromethane	< 0.085	< 0.01
2-Propanol	<8.6	< 3.5	1,2-Dibromoethane (EDB)	< 0.077	< 0.01
1,1-Dichloroethene	< 0.4	< 0.1	Chlorobenzene	< 0.46	< 0.1
trans-1,2-Dichloroethene	< 0.4	< 0.1	Ethylbenzene	< 0.43	< 0.1
Methylene chloride	<35	<10	1,1,2,2-Tetrachloroethane	< 0.14	< 0.02
t-Butyl alcohol (TBA)	<12	<4	Nonane	< 5.2	<1
3-Chloropropene	<1.6	< 0.5	Isopropylbenzene	< 2.5	< 0.5
CFC-113	< 0.77	< 0.1	2-Chlorotoluene	< 5.2	<1
Carbon disulfide	< 6.2	<2	Propylbenzene	< 2.5	< 0.5
Methyl t-butyl ether (MTBE)	<1.8	< 0.5	4-Ethyltoluene	< 2.5	< 0.5
Vinyl acetate	<7	<2	m,p-Xylene	< 0.87	< 0.2
1,1-Dichloroethane	< 0.4	< 0.1	o-Xylene	< 0.43	< 0.1
cis-1,2-Dichloroethene	< 0.4	< 0.1	Styrene	< 0.85	< 0.2
Hexane	< 3.5	<1	Bromoform	< 2.1	< 0.2
Chloroform	< 0.049	< 0.01	Benzyl chloride	< 0.052	< 0.01
Ethyl acetate	< 7.2	<2	1,3,5-Trimethylbenzene	< 2.5	< 0.5
Tetrahydrofuran	< 0.59	< 0.2	1,2,4-Trimethylbenzene	< 2.5	< 0.5
2-Butanone (MEK)	< 2.9	<1	1,3-Dichlorobenzene	< 0.6	< 0.1
1,2-Dichloroethane (EDC)	< 0.04	< 0.01	1,4-Dichlorobenzene	< 0.23	< 0.038
1,1,1-Trichloroethane	< 0.55	< 0.1	1,2-Dichlorobenzene	< 0.6	< 0.1
Carbon tetrachloride	< 0.31	< 0.05	1,2,4-Trichlorobenzene	< 0.74	< 0.1
Benzene	< 0.32	< 0.1	Naphthalene	< 0.26	< 0.05
Cyclohexane	< 6.9	<2	Hexachlorobutadiene	< 0.21	< 0.02
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ENVIRONMENTAL CHEMISTS

Date of Report: 11/16/21 Date Received: 11/05/21

Project: Spic'n Span 060172, F&BI 111134

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF AIR SAMPLES FOR VOLATILES BY METHOD MA-APH

Laboratory Code: 111134-02 1/5.7 (Duplicate)

	Reporting	Sample	Duplicate	RPD
Analyte	Units	Result	Result	(Limit 30)
APH EC5-8 aliphatics	ug/m3	<430	<430	nm
APH EC9-12 aliphatics	ug/m3	<140	<140	nm
APH EC9-10 aromatics	ug/m3	<140	<140	nm

Laboratory Code: Laboratory Control Sample

			Percent	
	Reporting	Spike	Recovery	Acceptance
Analyte	Units	Level	LCS	Criteria
APH EC5-8 aliphatics	ug/m3	67	104	70-130
APH EC9-12 aliphatics	ug/m3	67	103	70-130
APH EC9-10 aromatics	ug/m3	67	94	70-130

ENVIRONMENTAL CHEMISTS

Date of Report: 11/16/21 Date Received: 11/05/21

Project: Spic'n Span 060172, F&BI 111134

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF AIR SAMPLES FOR VOLATILES BY METHOD TO-15

Laboratory Code: 111134-02 1/5.7 (Duplicate)

	Reporting	Sample	Duplicate	RPD
Analyte	Units	Result	Result	(Limit 30)
Propene	ug/m3	92	84	9
Dichlorodifluoromethane	ug/m3	4.3	4.3	0
Chloromethane	ug/m3	<21	<21	nm
F-114	ug/m3	<4	<4	nm
Vinyl chloride	ug/m3	3.2	2.9	10
1,3-Butadiene	ug/m3	< 0.25	< 0.25	nm
Butane	ug/m3	<27	<27	nm
Bromomethane	ug/m3	<13	<13	nm
Chloroethane	ug/m3	<15	<15	nm
Vinyl bromide	ug/m3	< 2.5	< 2.5	nm
Ethanol	ug/m3	240	250	4
Acrolein	ug/m3	< 0.65	< 0.65	nm
Pentane	ug/m3	<17	<17	nm
Trichlorofluoromethane	ug/m3	<13	<13	nm
Acetone	ug/m3	<27	<27	nm
2-Propanol	ug/m3	<49	<49	nm
1,1-Dichloroethene	ug/m3	< 2.3	< 2.3	nm
trans-1,2-Dichloroethene	ug/m3	< 2.3	< 2.3	nm
Methylene chloride	ug/m3	<200	<200	nm
t-Butyl alcohol (TBA)	ug/m3	<69	<69	nm
3-Chloropropene	ug/m3	<8.9	<8.9	nm
CFC-113	ug/m3	<4.4	<4.4	nm
Carbon disulfide	ug/m3	<36	<36	nm
Methyl t-butyl ether (MTBE)	ug/m3	<10	<10	nm
Vinyl acetate	ug/m3	<40	<40	nm
1,1-Dichloroethane	ug/m3	< 2.3	< 2.3	nm
cis-1,2-Dichloroethene	ug/m3	< 2.3	< 2.3	nm
Hexane	ug/m3	<20	<20	nm
Chloroform	ug/m3	< 0.28	< 0.28	nm
Ethyl acetate	ug/m3	<41	<41	nm
Tetrahydrofuran	ug/m3	< 3.4	< 3.4	nm
2-Butanone (MEK)	ug/m3	<17	<17	nm
1,2-Dichloroethane (EDC)	ug/m3	< 0.23	< 0.23	nm
1,1,1-Trichloroethane	ug/m3	<3.1	<3.1	nm
Carbon tetrachloride	ug/m3	<1.8	<1.8	nm
Benzene	ug/m3	<1.8	<1.8	nm
Cyclohexane	ug/m3	<39	<39	nm
1,2-Dichloropropane	ug/m3	<1.3	<1.3	nm
1,4-Dioxane	ug/m3	<2.1	<2.1	nm
2,2,4-Trimethylpentane	ug/m3	<27	<27	nm
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ENVIRONMENTAL CHEMISTS

Date of Report: 11/16/21 Date Received: 11/05/21

Project: Spic'n Span 060172, F&BI 111134

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF AIR SAMPLES FOR VOLATILES BY METHOD TO-15

Laboratory Code: 111134-02 1/5.7 (Duplicate) (continued)

	Reporting	Sample	Duplicate	RPD
Analyte	Units	Result	Result	(Limit 30)
Methyl methacrylate	ug/m3	<23	<23	nm
Heptane	ug/m3	<23	<23	nm
Bromodichloromethane	ug/m3	< 0.38	< 0.38	nm
Trichloroethene	ug/m3	< 0.61	< 0.61	nm
cis-1,3-Dichloropropene	ug/m3	< 2.6	< 2.6	nm
4-Methyl-2-pentanone	ug/m3	<23	<23	nm
trans-1,3-Dichloropropene	ug/m3	< 2.6	< 2.6	nm
Toluene	ug/m3	<110	<110	nm
1,1,2-Trichloroethane	ug/m3	< 0.31	< 0.31	nm
2-Hexanone	ug/m3	<23	<23	nm
Tetrachloroethene	ug/m3	<39	<39	nm
Dibromochloromethane	ug/m3	< 0.49	< 0.49	nm
1,2-Dibromoethane (EDB)	ug/m3	< 0.44	< 0.44	nm
Chlorobenzene	ug/m3	< 2.6	< 2.6	nm
Ethylbenzene	ug/m3	< 2.5	< 2.5	nm
1,1,2,2-Tetrachloroethane	ug/m3	< 0.78	< 0.78	nm
Nonane	ug/m3	<30	<30	nm
Isopropylbenzene	ug/m3	<14	<14	nm
2-Chlorotoluene	ug/m3	<30	<30	nm
Propylbenzene	ug/m3	<14	<14	nm
4-Ethyltoluene	ug/m3	<14	<14	nm
m,p-Xylene	ug/m3	<5	<5	nm
o-Xylene	ug/m3	< 2.5	< 2.5	nm
Styrene	ug/m3	<4.9	<4.9	nm
Bromoform	ug/m3	<12	<12	nm
Benzyl chloride	ug/m3	< 0.3	< 0.3	nm
1,3,5-Trimethylbenzene	ug/m3	<14	<14	nm
1,2,4-Trimethylbenzene	ug/m3	<14	<14	nm
1,3-Dichlorobenzene	ug/m3	< 3.4	<3.4	nm
1,4-Dichlorobenzene	ug/m3	<1.3	<1.3	nm
1,2-Dichlorobenzene	ug/m3	<3.4	<3.4	nm
1,2,4-Trichlorobenzene	ug/m3	<4.2	<4.2	nm
Naphthalene	ug/m3	<1.5	<1.5	nm
Hexachlorobutadiene	ug/m3	<1.2	<1.2	nm

ENVIRONMENTAL CHEMISTS

Date of Report: 11/16/21 Date Received: 11/05/21

Project: Spic'n Span 060172, F&BI 111134

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF AIR SAMPLES FOR VOLATILES BY METHOD TO-15

Laboratory Code: Laboratory Control Sample

	1		Percent	
	Reporting	Spike	Recovery	Acceptance
Analyte	Units	Level	LCS	Criteria
Propene	ug/m3	23	80	70-130
Dichlorodifluoromethane	ug/m3	67	103	70-130
Chloromethane	ug/m3	28	98	70-130
F-114	ug/m3	94	101	70-130
Vinyl chloride	ug/m3	35	95	70-130
1,3-Butadiene	ug/m3	30	100	70-130
Butane	ug/m3	32	104	70-130
Bromomethane	ug/m3	52	103	70-130
Chloroethane	ug/m3	36	102	70-130
Vinyl bromide	ug/m3	59	100	70-130
Ethanol	ug/m3	25	97	70-130
Acrolein	ug/m3	31	96	70-130
Pentane	ug/m3	40	97	70-130
Trichlorofluoromethane	ug/m3	76	103	70-130
Acetone	ug/m3	32	97	70-130
2-Propanol	ug/m3	33	100	70-130
1,1-Dichloroethene	ug/m3	54	101	70-130
trans-1,2-Dichloroethene	ug/m3	54	101	70-130
Methylene chloride	ug/m3	94	91	70-130
t-Butyl alcohol (TBA)	ug/m3	41	104	70-130
3-Chloropropene	ug/m3	42	98	70-130
CFC-113	ug/m3	100	102	70-130
Carbon disulfide	ug/m3	42	104	70-130
Methyl t-butyl ether (MTBE)	ug/m3	49	100	70-130
Vinyl acetate	ug/m3	48	97	70-130
1,1-Dichloroethane	ug/m3	55	102	70-130
cis-1,2-Dichloroethene	ug/m3	54	102	70-130
Hexane	ug/m3	48	98	70-130
Chloroform	ug/m3	66	100	70-130
Ethyl acetate	ug/m3	49	101	70-130
Tetrahydrofuran	ug/m3	40	99	70-130
2-Butanone (MEK)	ug/m3	40	103	70-130
1,2-Dichloroethane (EDC)	ug/m3	55	102	70-130
1,1,1-Trichloroethane	ug/m3	74	102	70-130
Carbon tetrachloride	ug/m3	85	102	70-130
Benzene	ug/m3	43	101	70-130
Cyclohexane	ug/m3	46	92	70-130
1,2-Dichloropropane	ug/m3	62	95	70-130
1,4-Dioxane	ug/m3	49	103	70-130
2,2,4-Trimethylpentane	ug/m3	63	98	70-130

ENVIRONMENTAL CHEMISTS

Date of Report: 11/16/21 Date Received: 11/05/21

Project: Spic'n Span 060172, F&BI 111134

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF AIR SAMPLES FOR VOLATILES BY METHOD TO-15

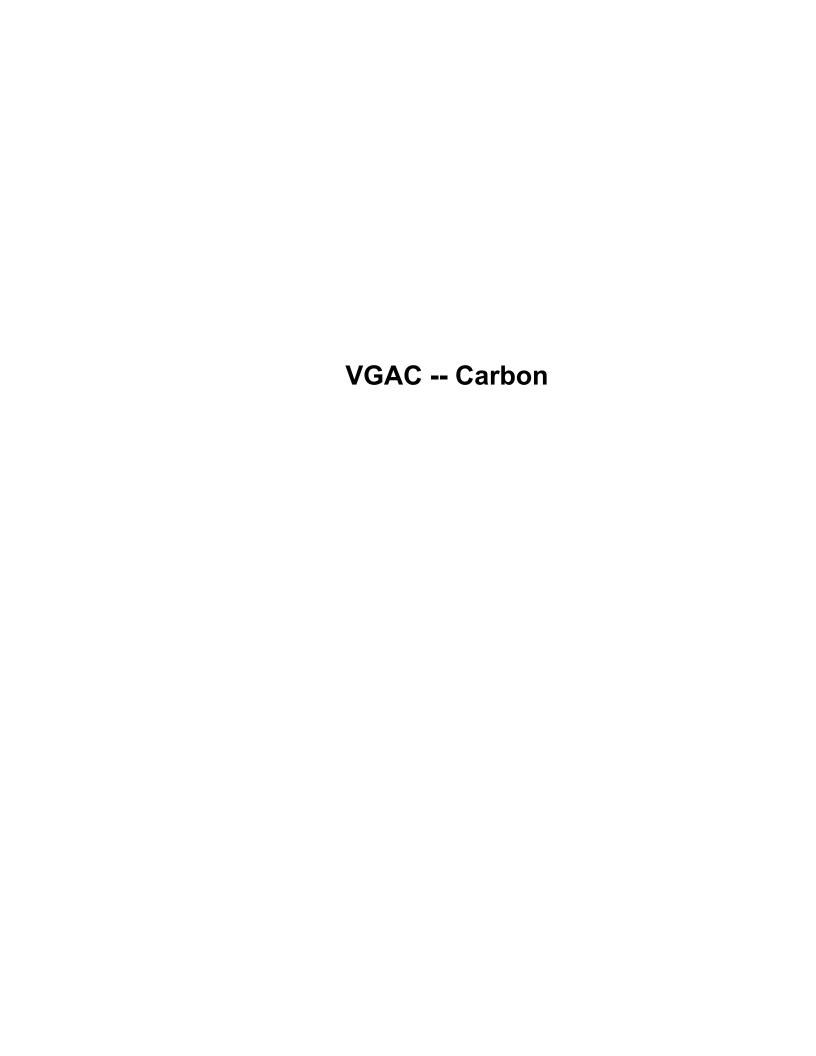
Laboratory Code: Laboratory Control Sample (continued)

	Percent			
	Reporting	Spike	Recovery	Acceptance
Analyte	Units	Level	LCS	Criteria
Methyl methacrylate	ug/m3	55	98	70-130
Heptane	ug/m3	55	95	70-130
Bromodichloromethane	ug/m3	90	98	70-130
Trichloroethene	ug/m3	73	96	70-130
cis-1,3-Dichloropropene	ug/m3	61	105	70-130
4-Methyl-2-pentanone	ug/m3	55	107	70-130
trans-1,3-Dichloropropene	ug/m3	61	100	70-130
Toluene	ug/m3	51	102	70-130
1,1,2-Trichloroethane	ug/m3	74	98	70-130
2-Hexanone	ug/m3	55	98	70-130
Tetrachloroethene	ug/m3	92	100	70-130
Dibromochloromethane	ug/m3	120	106	70-130
1,2-Dibromoethane (EDB)	ug/m3	100	95	70-130
Chlorobenzene	ug/m3	62	107	70-130
Ethylbenzene	ug/m3	59	101	70-130
1,1,2,2-Tetrachloroethane	ug/m3	93	99	70-130
Nonane	ug/m3	71	93	70-130
Isopropylbenzene	ug/m3	66	101	70-130
2-Chlorotoluene	ug/m3	70	103	70-130
Propylbenzene	ug/m3	66	101	70-130
4-Ethyltoluene	ug/m3	66	93	70-130
m,p-Xylene	ug/m3	120	104	70-130
o-Xylene	ug/m3	59	109	70-130
Styrene	ug/m3	58	104	70-130
Bromoform	ug/m3	140	106	70-130
Benzyl chloride	ug/m3	70	110	70-130
1,3,5-Trimethylbenzene	ug/m3	66	103	70-130
1,2,4-Trimethylbenzene	ug/m3	66	100	70-130
1,3-Dichlorobenzene	ug/m3	81	106	70-130
1,4-Dichlorobenzene	ug/m3	81	104	70-130
1,2-Dichlorobenzene	ug/m3	81	105	70-130
1,2,4-Trichlorobenzene	ug/m3	100	98	70-130
Naphthalene	ug/m3	71	108	70-130
Hexachlorobutadiene	ug/m3	140	103	70-130

ENVIRONMENTAL CHEMISTS

Data Qualifiers & Definitions

- a The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.
- b The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.
- ca The calibration results for the analyte were outside of acceptance criteria. The value reported is an estimate.
- c The presence of the analyte may be due to carryover from previous sample injections.
- cf The sample was centrifuged prior to analysis.
- d The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.
- dv Insufficient sample volume was available to achieve normal reporting limits.
- f The sample was laboratory filtered prior to analysis.
- fb The analyte was detected in the method blank.
- fc The analyte is a common laboratory and field contaminant.
- hr The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.
- hs Headspace was present in the container used for analysis.
- ht The analysis was performed outside the method or client-specified holding time requirement.
- ip Recovery fell outside of control limits due to sample matrix effects.
- j The analyte concentration is reported below the lowest calibration standard. The value reported is an estimate.
- J The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.
- jl The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.
- js The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.
- lc The presence of the analyte is likely due to laboratory contamination.
- L The reported concentration was generated from a library search.
- nm The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.
- pc The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.
- ve The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.
- vo The value reported fell outside the control limits established for this analyte.
- x The sample chromatographic pattern does not resemble the fuel standard used for quantitation.





November 2, 2021

Jeremy Porter Aspect Consulting Dexter Horton Building 710 2nd Avenue, Suite 550 Seattle, WA 98104

Re: Analytical Data for Project 060172

Laboratory Reference No. 2110-257

Dear Jeremy:

Enclosed are the analytical results and associated quality control data for samples submitted on October 27, 2021.

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,

David Baumeister Project Manager

Enclosures



Date of Report: November 2, 2021 Samples Submitted: October 27, 2021 Laboratory Reference: 2110-257

Project: 060172

Case Narrative

Samples were collected on October 26, 2021 and received by the laboratory on October 27, 2021. 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.

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: November 2, 2021 Samples Submitted: October 27, 2021 Laboratory Reference: 2110-257

Project: 060172

VOLATILE ORGANICS EPA 8260D

Matrix: Carbon Units: mg/kg

				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	GAC-01-102621					
Laboratory ID:	10-257-01					
Vinyl Chloride	ND	0.072	EPA 8260D	10-27-21	10-27-21	
(trans) 1,2-Dichloroethene	0.10	0.072	EPA 8260D	10-27-21	10-27-21	
(cis) 1,2-Dichloroethene	0.50	0.072	EPA 8260D	10-27-21	10-27-21	
Trichloroethene	1.1	0.072	EPA 8260D	10-27-21	10-27-21	
Tetrachloroethene	44	1.4	EPA 8260D	10-27-21	10-27-21	
Surrogate:	Percent Recovery	Control Limits				
Dibromofluoromethane	88	74-131				
Toluene-d8	99	78-128				
4-Bromofluorobenzene	117	71-130				

Date of Report: November 2, 2021 Samples Submitted: October 27, 2021 Laboratory Reference: 2110-257

Project: 060172

VOLATILE ORGANICS EPA 8260D QUALITY CONTROL

Matrix: Solid Units: mg/kg

				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
METHOD BLANK						·
Laboratory ID:	MB1027S1					
Vinyl Chloride	ND	0.0010	EPA 8260D	10-27-21	10-27-21	
(trans) 1,2-Dichloroethene	ND	0.0010	EPA 8260D	10-27-21	10-27-21	
(cis) 1,2-Dichloroethene	ND	0.0010	EPA 8260D	10-27-21	10-27-21	
Trichloroethene	ND	0.0010	EPA 8260D	10-27-21	10-27-21	
Tetrachloroethene	ND	0.0010	EPA 8260D	10-27-21	10-27-21	
Surrogate:	Percent Recovery	Control Limits				
Dibromofluoromethane	92	74-131				
Toluene-d8	99	78-128				
4-Bromofluorobenzene	103	71-130				

					Per	cent	Recovery		RPD	
Analyte	Res	sult	Spike	Level	Rec	overy	Limits	RPD	Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB10	27S1								
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	0.0490	0.0474	0.0500	0.0500	98	95	71-131	3	19	
Benzene	0.0498	0.0488	0.0500	0.0500	100	98	73-124	2	18	
Trichloroethene	0.0532	0.0526	0.0500	0.0500	106	105	79-130	1	18	
Toluene	0.0498	0.0489	0.0500	0.0500	100	98	76-123	2	18	
Chlorobenzene	0.0509	0.0496	0.0500	0.0500	102	99	78-122	3	18	
Surrogate:										
Dibromofluoromethane					93	92	74-131			
Toluene-d8					100	99	78-128			
4-Bromofluorobenzene					106	105	71-130			



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.
- 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

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December 13, 2021

Jeremy Porter Aspect Consulting Dexter Horton Building 710 2nd Avenue, Suite 550 Seattle, WA 98104

Re: Analytical Data for Project 060172

Laboratory Reference No. 2112-081

Dear Jeremy:

Enclosed are the analytical results and associated quality control data for samples submitted on December 8, 2021.

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,

David Baumeister Project Manager

Enclosures



Date of Report: December 13, 2021 Samples Submitted: December 8, 2021 Laboratory Reference: 2112-081

Project: 060172

Case Narrative

Samples were collected on December 8, 2021 and received by the laboratory on December 8, 2021. 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.

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: December 13, 2021 Samples Submitted: December 8, 2021 Laboratory Reference: 2112-081

Project: 060172

VOLATILE ORGANICS EPA 8260D

Matrix: Carbon Units: mg/kg

				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	VGAC-1-120821					
Laboratory ID:	12-081-01					
Vinyl Chloride	ND	0.084	EPA 8260D	12-8-21	12-8-21	
(trans) 1,2-Dichloroethene	ND	0.084	EPA 8260D	12-8-21	12-8-21	
(cis) 1,2-Dichloroethene	7.9	0.84	EPA 8260D	12-8-21	12-9-21	
Trichloroethene	14	0.84	EPA 8260D	12-8-21	12-9-21	
Tetrachloroethene	110	0.84	EPA 8260D	12-8-21	12-9-21	
Surrogate:	Percent Recovery	Control Limits				
Dibromofluoromethane	99	74-131				
Toluene-d8	104	78-128				
4-Bromofluorobenzene	125	71-130				

Date of Report: December 13, 2021 Samples Submitted: December 8, 2021 Laboratory Reference: 2112-081

Project: 060172

VOLATILE ORGANICS EPA 8260D QUALITY CONTROL

Matrix: Solid Units: mg/kg

				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1208S1					
Vinyl Chloride	ND	0.0010	EPA 8260D	12-8-21	12-8-21	
(trans) 1,2-Dichloroethene	ND	0.0010	EPA 8260D	12-8-21	12-8-21	
(cis) 1,2-Dichloroethene	ND	0.0010	EPA 8260D	12-8-21	12-8-21	
Trichloroethene	ND	0.0010	EPA 8260D	12-8-21	12-8-21	
Tetrachloroethene	ND	0.0010	EPA 8260D	12-8-21	12-8-21	
Surrogate:	Percent Recovery	Control Limits				
Dibromofluoromethane	105	74-131				
Toluene-d8	104	78-128				
4-Bromofluorobenzene	101	71-130				

					P	ercent	Recovery		RPD	
Analyte	Res	ult	Spike	Level	Re	covery	Limits	RPD	Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB12	08S1								
	SB	SBD	SB	SBD	SE	SBD				
1,1-Dichloroethene	0.0463	0.0470	0.0500	0.0500	93	94	71-131	2	19	
Benzene	0.0469	0.0488	0.0500	0.0500	94	98	73-124	4	18	
Trichloroethene	0.0472	0.0472	0.0500	0.0500	94	94	79-130	0	18	
Toluene	0.0450	0.0458	0.0500	0.0500	90	92	76-123	2	18	
Chlorobenzene	0.0471	0.0485	0.0500	0.0500	94	97	78-122	3	18	
Surrogate:										
Dibromofluoromethane					10	106	74-131			
Toluene-d8					10.	3 101	78-128			
4-Bromofluorobenzene					10-	105	71-130			



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.
- 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



Lab ID Sampled by Project Number Relinquished Reviewed/Date Received Relinquished Relinquished 14648 NE 95th Street • Redmond, WA 98052 Phone: (425) 883-3881 • www.onsite-env.com Environmental Inc. Sample Identification Standard (7 Days) ☐ Same Day Turnaround Request (in working days) Reviewed/Date Time Sampled (Check One) 140 (other) COO IN 1 Day 3 Days **Number of Containers** NWTPH-HCID Laboratory Number: NWTPH-Gx/BTEX NWTPH-Gx NWTPH-Dx (☐ Acid / SG Clean-up) Time Halogenated Volatiles 8260D EDB EPA 8011 (Waters Only) Semivolatiles 8270E/SIM Chromatograms with final report Data Package: Standard Comments/Special Instructions (with low-level PAHs) PAHs 8270E/SIM (low-level) ı PCBs 8082A Organochlorine Pesticides 8081B HOWINGS by 82600 Organophosphorus Pesticides 8270E/SIM Chlorinated Acid Herbicides 8151A Total RCRA Metals Level Total MTCA Metals Electronic Data Deliverables (EDDs) = TCLP Metals Level HEM (oil and grease) 1664A PCE, DCE, TCE, VC 82000 7

Chain of Custody

Page

826000

% Moisture



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

February 7, 2022

Jeremy Porter Aspect Consulting Dexter Horton Building 710 2nd Avenue, Suite 550 Seattle, WA 98104

Re: Analytical Data for Project 060172

Laboratory Reference No. 2202-002

Dear Jeremy:

Enclosed are the analytical results and associated quality control data for samples submitted on February 1, 2022.

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,

David Baumeister Project Manager

Enclosures



Date of Report: February 7, 2022 Samples Submitted: February 1, 2022 Laboratory Reference: 2202-002

Project: 060172

Case Narrative

Samples were collected on February 1, 2022 and received by the laboratory on February 1, 2022. 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.

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: February 7, 2022 Samples Submitted: February 1, 2022 Laboratory Reference: 2202-002

Project: 060172

VOLATILE ORGANICS EPA 8260D

Matrix: Carbon Units: mg/kg

				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	VGAC-1-020122					
Laboratory ID:	02-002-01					
Vinyl Chloride	ND	0.065	EPA 8260D	2-3-22	2-3-22	
(trans) 1,2-Dichloroethene	ND	0.065	EPA 8260D	2-3-22	2-3-22	
(cis) 1,2-Dichloroethene	ND	0.065	EPA 8260D	2-3-22	2-3-22	
Trichloroethene	0.24	0.065	EPA 8260D	2-3-22	2-3-22	
Tetrachloroethene	4.6	0.065	EPA 8260D	2-3-22	2-3-22	
Surrogate:	Percent Recovery	Control Limits				
Dibromofluoromethane	89	74-131				
Toluene-d8	99	78-128				
4-Bromofluorobenzene	118	71-130				

Date of Report: February 7, 2022 Samples Submitted: February 1, 2022 Laboratory Reference: 2202-002

Project: 060172

VOLATILE ORGANICS EPA 8260D QUALITY CONTROL

Matrix: Solid Units: mg/kg

				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0203S2					
Vinyl Chloride	ND	0.0010	EPA 8260D	2-3-22	2-3-22	
(trans) 1,2-Dichloroethene	ND	0.0010	EPA 8260D	2-3-22	2-3-22	
(cis) 1,2-Dichloroethene	ND	0.0010	EPA 8260D	2-3-22	2-3-22	
Trichloroethene	ND	0.0010	EPA 8260D	2-3-22	2-3-22	
Tetrachloroethene	ND	0.0010	EPA 8260D	2-3-22	2-3-22	
Surrogate:	Percent Recovery	Control Limits				
Dibromofluoromethane	93	74-131				
Toluene-d8	98	78-128				
4-Bromofluorobenzene	98	71-130				

						Per	cent	Recovery		RPD	
Analyte	Res	sult	Spike	Level	F	Rec	overy	Limits	RPD	Limit	Flags
SPIKE BLANKS											
Laboratory ID:	SB02	03S2									
	SB	SBD	SB	SBD	S	В	SBD				
1,1-Dichloroethene	0.0516	0.0479	0.0500	0.0500	10	03	96	71-131	7	19	
Benzene	0.0498	0.0470	0.0500	0.0500	10	00	94	73-124	6	18	
Trichloroethene	0.0546	0.0517	0.0500	0.0500	10	09	103	79-130	5	18	
Toluene	0.0526	0.0493	0.0500	0.0500	10	05	99	76-123	6	18	
Chlorobenzene	0.0544	0.0520	0.0500	0.0500	10	09	104	78-122	5	18	
Surrogate:											
Dibromofluoromethane					ç	96	92	74-131			
Toluene-d8					g	9	98	78-128			
4-Bromofluorobenzene					1	01	98	71-130			



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.
- 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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Same 2 Day X Stand (ITPH:	Particular Par	Chromatograms with final report Electronic Data Deliverables (EDDs)		Reviewed/Date	Reviewed/Date
No. No.	Note	Package: Standard Level III Level IV			Received
No. No.	No.				Relinquished
ALBORNA MARKET CONSTITUTE CONTINUES	Priority				Received
Non-base Non-base	No. Sumple Sump				Relinquished
Manual Sample S	Project (425) 883 9881	82100D	2/1/20	200	Received Michello F. Oha
Sample Company	Sample (Canack Cons) Canack Cons)	OO * POE, DOE, TOE, NO	2/1/22	ASOPICT	Relinquished MMMMMNDUTT
Common C	Prices (45) 883-881 William Prices (45) 883-881 Willia		Date	Company	Signature
North Containers North-LCD Sampled S	Phone (423) 883-3881 ** NAME Phone (423) 883-3881 ** NAME Phone (423) 883-3881 ** NAME Phone (423) 883-3881 ** NAME Phone (423) 883-3881 ** NAME Phone (423) 883-3881 ** NAME Phone (423) 883-3881 ** NAME Phone (423) 883-3881 ** NAME Phone (423) 883-3881 ** NAME Phone (423) 883-3881 ** NAME Phone (423) 883-3881 ** NAME Phone (423) 883-3881 ** NAME Phone (423) 883-381 ** N				
VGAC-1-020122 VGAC Sample Sampl	Phone: (42) 83388 - www.onside.env.com Phone: (42) 83388 - www.onside.env.com Check One) Number of Containers Nether of Containe				
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Acid / SG Clean-up) Pesticides 8081B Prus Pesticides 8270D/SIM Physicides 8151A tals tals Page 1 Page 1 Page 2 Page 2 Page 3 Page 4 Phone: (425) 883-3881 * www.onsite-env.com Check One) enated Vo EPA 8011 rolatiles 8: ow-level I 8270D/SI 8082A oochlorine ophospho nated Aci RCRA Me WTCA Me Metals oil and gr	PH-HCID PH-Gx/BT PH-Gx		MMR		
The same Day 1 Day 1 Day 2 Days 3 Days	Phone: (425) 883-3881 · www.onsite-env.com (Check One) Same Day	(Waters 270D/SI PAHs) M (Iow-I Pesticio prus Pesticid tals stals	EX		Project Martinger: Of Control Porter
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ABORCH CONSWITTING Same Day 1 Day	Phone: (425) 883-3881 • www.onsite-env.com (Check One) A Spect CONS WITHOU Same Day 1 Day	8270D	an-up)		Project Number:
				ck One)	200

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D. Yelena Aravkina, M.S. Michael Erdahl, B.S. Vineta Mills, M.S. Eric Young, B.S. 3012 16th Avenue West Seattle, WA 98119-2029 (206) 285-8282 fbi@isomedia.com www.friedmanandbruya.com

February 1, 2022

Jeremy Porter, Project Manager Aspect Consulting, LLC 710 2nd Ave S, Suite 550 Seattle, WA 98104

Dear Mr Porter:

Included are the results from the testing of material submitted on January 21, 2022 from the Spic n Span 060172, F&BI 201302 project. There are 13 pages included in this report.

We appreciate this opportunity to be of service to you and hope you will call if you have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.

Michael Erdahl Project Manager

Enclosures c: Aspect Data ASP0201R.DOC

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on January 21, 2022 by Friedman & Bruya, Inc. from the Aspect Consulting, LLC Spic n Span 060172, F&BI 201302 project. Samples were logged in under the laboratory ID's listed below.

<u>Laboratory ID</u>	Aspect Consulting, LLC
201302 -01	VGAC-1-EFF-012022
201302 -02	VGAC-1-INF-012022

Individually certified canisters were provided for TO-15 sampling.

Non-petroleum compounds identified in the air phase hydrocarbon (APH) ranges were subtracted per the MA-APH method.

The concentration of several analytes exceeded the calibration range of the instrument. The data were flagged accordingly.

All quality control requirements were acceptable.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By Method MA-APH

Client Sample ID: VGAC-1-EFF-012022 Client: Aspect Consulting, LLC Date Received: 01/21/22 Project: $060172, F\&BI\ 201302$ Date Collected: Lab ID: 01/20/22 201302-01 1/5.8 Date Analyzed: 01/27/22 Data File: 012631.DMatrix: Air Instrument: GCMS7 Units: ug/m3 Operator: bat

% Lower Upper Surrogates: Recovery: Limit: Limit: 4-Bromofluorobenzene 83 70 130

Concentration

Compounds: ug/m3

APH EC5-8 aliphatics 470 APH EC9-12 aliphatics 210 APH EC9-10 aromatics <140

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By Method MA-APH

Client Sample ID: VGAC-1-INF-012022 Client: Aspect Consulting, LLC Date Received: 01/21/22 Project: $060172, F\&BI\ 201302$ Date Collected: Lab ID: 01/20/22 201302-02 1/17 Date Analyzed: 01/27/22 Data File: 012633.DMatrix: Air Instrument: GCMS7

Matrix: Air Instrument: GCN Units: ug/m3 Operator: bat

Concentration

Compounds: ug/m3

 $\begin{array}{lll} \text{APH EC5-8 aliphatics} & 6,700 \\ \text{APH EC9-12 aliphatics} & 34,000 \text{ ve} \\ \text{APH EC9-10 aromatics} & 490 \end{array}$

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By Method MA-APH

Client Sample ID: Method Blank Client: Aspect Consulting, LLC Date Received: Not Applicable Project: $060172, F\&BI\ 201302$ Not Applicable Lab ID: Date Collected: 02-0214 MBDate Analyzed: 01/26/22 Data File: 012612.DMatrix: Air Instrument: GCMS7 Units: ug/m3 Operator: bat

% Lower Upper Surrogates: Recovery: Limit: Limit: 4-Bromofluorobenzene 83 70 130

Concentration

Compounds: ug/m3

APH EC5-8 aliphatics <75 APH EC9-12 aliphatics <25 APH EC9-10 aromatics <25

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By Method TO-15

Client Sample ID: VGAC-1-EFF-012022 Client: Aspect Consulting, LLC Date Received: Project: 060172, F&BI 201302 01/21/22 Lab ID: Date Collected: 01/20/22 201302-01 1/5.8 Date Analyzed: 01/27/22 Data File: 012631.DMatrix: GCMS7Air Instrument: ug/m3 Units: Operator: bat

	Concent	tration		Concer	itration
Compounds:	ug/m3	ppbv	Compounds:	ug/m3	ppbv
Propene	71	41	1,2-Dichloropropane	<1.3	< 0.29
Dichlorodifluoromethane	<2.9	< 0.58	1,4-Dioxane	<2.1	< 0.58
Chloromethane	<2.9 <22	<10	2,2,4-Trimethylpentane	<2.1 <27	<5.8
F-114	<4.1	< 0.58	Methyl methacrylate	<24	<5.8
	<1.5	< 0.58	· ·	<24 <24	<5.8
Vinyl chloride	<0.26		Heptane Bromodichloromethane	< 0.39	<0.058
1,3-Butadiene Butane	<0.26 <28	<0.12 <12	Trichloroethene	< 0.62	<0.038
Bromomethane	<14	< 3.5	cis-1,3-Dichloropropene	< 2.6	< 0.58
Chloroethane	<15	< 5.8	4-Methyl-2-pentanone	<24	< 5.8
Vinyl bromide	<2.5	< 0.58	trans-1,3-Dichloropropene	< 2.6	< 0.58
Ethanol	200 ve	110 ve	Toluene	<110	<29
Acrolein	< 0.66	< 0.29	1,1,2-Trichloroethane	< 0.32	< 0.058
Pentane	<17	< 5.8	2-Hexanone	<24	< 5.8
Trichlorofluoromethane	<13	< 2.3	Tetrachloroethene	<39	< 5.8
Acetone	810 ve	340 ve	Dibromochloromethane	< 0.49	< 0.058
2-Propanol	<50	<20	1,2-Dibromoethane (EDB)	< 0.45	< 0.058
1,1-Dichloroethene	<2.3	< 0.58	Chlorobenzene	< 2.7	< 0.58
trans-1,2-Dichloroethene	< 2.3	< 0.58	Ethylbenzene	4.6	1.1
Methylene chloride	<200	<58	1,1,2,2-Tetrachloroethane	< 0.8	< 0.12
t-Butyl alcohol (TBA)	< 70	<23	Nonane	<30	< 5.8
3-Chloropropene	<9.1	< 2.9	Isopropylbenzene	<14	< 2.9
CFC-113	<4.4	< 0.58	2-Chlorotoluene	<30	< 5.8
Carbon disulfide	<36	<12	Propylbenzene	<14	< 2.9
Methyl t-butyl ether (MTBE)	<10	< 2.9	4-Ethyltoluene	<14	< 2.9
Vinyl acetate	<41	<12	m,p-Xylene	17	3.8
1,1-Dichloroethane	< 2.3	< 0.58	o-Xylene	5.7	1.3
cis-1,2-Dichloroethene	< 2.3	< 0.58	Styrene	<4.9	<1.2
Hexane	<20	< 5.8	Bromoform	<12	<1.2
Chloroform	< 0.28	< 0.058	Benzyl chloride	< 0.3	< 0.058
Ethyl acetate	<42	<12	1,3,5-Trimethylbenzene	<14	< 2.9
Tetrahydrofuran	19	6.4	1,2,4-Trimethylbenzene	<14	< 2.9
2-Butanone (MEK)	<17	< 5.8	1,3-Dichlorobenzene	< 3.5	< 0.58
1,2-Dichloroethane (EDC)	< 0.23	< 0.058	1,4-Dichlorobenzene	<1.3	< 0.22
1,1,1-Trichloroethane	<3.2	< 0.58	1,2-Dichlorobenzene	<3.5	< 0.58
Carbon tetrachloride	<1.8	< 0.29	1,2,4-Trichlorobenzene	<4.3	< 0.58
Benzene	<1.9	< 0.58	Naphthalene	<1.5	< 0.29
Cyclohexane	<40	<12	Hexachlorobutadiene	<1.2	< 0.12

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By Method TO-15

Client Sample ID: VGAC-1-INF-012022 Client: Aspect Consulting, LLC Date Received: Project: 060172, F&BI 201302 01/21/22 Lab ID: Date Collected: 01/20/22 201302-02 1/17 Date Analyzed: 01/27/22 Data File: 012633.DMatrix: GCMS7Air Instrument: ug/m3 Units: Operator: bat

	Concen	itration		Concer	ntration
Compounds:	ug/m3	ppbv	Compounds:	ug/m3	ppbv
Duonono	67	39	1 9 Dishlanannanana	<3.9	< 0.85
Propene			1,2-Dichloropropane		
Dichlorodifluoromethane	<8.4	<1.7	1,4-Dioxane	<6.1	<1.7
Chloromethane	<63	<31	2,2,4-Trimethylpentane	<79	<17
F-114	<12	<1.7	Methyl methacrylate	<70	<17
Vinyl chloride	<4.3	<1.7	Heptane	<70	<17
1,3-Butadiene	< 0.75	< 0.34	Bromodichloromethane	<1.1	< 0.17
Butane	<81	<34	Trichloroethene	100	19
Bromomethane	<40	<10	cis-1,3-Dichloropropene	<7.7	<1.7
Chloroethane	<45	<17	4-Methyl-2-pentanone	< 70	<17
Vinyl bromide	<7.4	<1.7	trans-1,3-Dichloropropene	<7.7	<1.7
Ethanol	280	150	Toluene	<320	<85
Acrolein	25	11	1,1,2-Trichloroethane	< 0.93	< 0.17
Pentane	< 50	<17	2-Hexanone	< 70	<17
Trichlorofluoromethane	<38	< 6.8	Tetrachloroethene	850	120
Acetone	4,600 ve	1,900 ve	Dibromochloromethane	<1.4	< 0.17
2-Propanol	<150	<59	1,2-Dibromoethane (EDB)	<1.3	< 0.17
1,1-Dichloroethene	< 6.7	<1.7	Chlorobenzene	< 7.8	<1.7
trans-1,2-Dichloroethene	< 6.7	< 1.7	Ethylbenzene	23	5.2
Methylene chloride	< 590	<170	1,1,2,2-Tetrachloroethane	< 2.3	< 0.34
t-Butyl alcohol (TBA)	<210	<68	Nonane	<89	<17
3-Chloropropene	<27	< 8.5	Isopropylbenzene	<42	< 8.5
CFC-113	<13	<1.7	2-Chlorotoluene	<88	<17
Carbon disulfide	<110	<34	Propylbenzene	<42	< 8.5
Methyl t-butyl ether (MTBE)		< 8.5	4-Ethyltoluene	<42	< 8.5
Vinyl acetate	<120	<34	m,p-Xylene	68	16
1,1-Dichloroethane	< 6.9	<1.7	o-Xylene	27	6.1
cis-1,2-Dichloroethene	47	12	Styrene	<14	< 3.4
Hexane	<60	<17	Bromoform	<35	<3.4
Chloroform	8.5	1.8	Benzyl chloride	< 0.88	< 0.17
Ethyl acetate	<120	<34	1,3,5-Trimethylbenzene	<42	<8.5
Tetrahydrofuran	33	11	1,2,4-Trimethylbenzene	46	9.3
2-Butanone (MEK)	760 ve	260 ve	1,3-Dichlorobenzene	<10	<1.7
1,2-Dichloroethane (EDC)	2.3	0.56	1,4-Dichlorobenzene	<3.9	< 0.65
1,1,1-Trichloroethane	<9.3	<1.7	1,2-Dichlorobenzene	<10	<1.7
Carbon tetrachloride	<5.3	< 0.85	1,2,4-Trichlorobenzene	<13	<1.7
Benzene	37	12	Naphthalene	270	52
Cyclohexane	<120	<34	Hexachlorobutadiene	<3.6	< 0.34
Cyclonexame	<u> </u>	~ 54	HEAGHIOLOUGIAGIEHE	~ა.0	~0.04

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By Method TO-15

Client Sample ID: Method Blank Client: Aspect Consulting, LLC Date Received: Not Applicable Project: 060172, F&BI 201302

Lab ID: Date Collected: Not Applicable 02-0214 MB01/26/22 Date Analyzed: Data File: $012612.\mathrm{D}$ Matrix: Air Instrument: GCMS7Units: ug/m3 Operator: bat

	%	Lower	$_{ m Upper}$
Surrogates:	Recovery:	Limit:	Limit:
4-Bromofluorobenzene	93	70	130

	Concen	tration		Concer	itration
Compounds:	ug/m3	ppbv	Compounds:	ug/m3	ppbv
Propene	<1.2	< 0.7	1,2-Dichloropropane	< 0.23	< 0.05
Dichlorodifluoromethane	< 0.49	< 0.1	1,4-Dioxane	< 0.36	< 0.1
Chloromethane	<3.7	<1.8	2,2,4-Trimethylpentane	<4.7	<1
F-114	< 0.7	< 0.1	Methyl methacrylate	<4.1	<1
Vinyl chloride	< 0.26	< 0.1	Heptane	<4.1	<1
1,3-Butadiene	< 0.044	< 0.02	Bromodichloromethane	< 0.067	< 0.01
Butane	<4.8	<2	Trichloroethene	< 0.11	< 0.02
Bromomethane	< 2.3	< 0.6	cis-1,3-Dichloropropene	< 0.45	< 0.1
Chloroethane	< 2.6	<1	4-Methyl-2-pentanone	<4.1	<1
Vinyl bromide	< 0.44	< 0.1	trans-1,3-Dichloropropene	< 0.45	< 0.1
Ethanol	<7.5	<4	Toluene	<19	<5
Acrolein	< 0.11	< 0.05	1,1,2-Trichloroethane	< 0.055	< 0.01
Pentane	<3	<1	2-Hexanone	<4.1	<1
Trichlorofluoromethane	< 2.2	< 0.4	Tetrachloroethene	<6.8	<1
Acetone	<4.8	<2	Dibromochloromethane	< 0.085	< 0.01
2-Propanol	<8.6	< 3.5	1,2-Dibromoethane (EDB)	< 0.077	< 0.01
1,1-Dichloroethene	< 0.4	< 0.1	Chlorobenzene	< 0.46	< 0.1
trans-1,2-Dichloroethene	< 0.4	< 0.1	Ethylbenzene	< 0.43	< 0.1
Methylene chloride	<35	<10	1,1,2,2-Tetrachloroethane	< 0.14	< 0.02
t-Butyl alcohol (TBA)	<12	<4	Nonane	< 5.2	<1
3-Chloropropene	<1.6	< 0.5	Isopropylbenzene	< 2.5	< 0.5
CFC-113	< 0.77	< 0.1	2-Chlorotoluene	< 5.2	<1
Carbon disulfide	<6.2	<2	Propylbenzene	< 2.5	< 0.5
Methyl t-butyl ether (MTBE)	<1.8	< 0.5	4-Ethyltoluene	< 2.5	< 0.5
Vinyl acetate	<7	<2	m,p-Xylene	< 0.87	< 0.2
1,1-Dichloroethane	< 0.4	< 0.1	o-Xylene	< 0.43	< 0.1
cis-1,2-Dichloroethene	< 0.4	< 0.1	Styrene	< 0.85	< 0.2
Hexane	<3.5	<1	Bromoform	< 2.1	< 0.2
Chloroform	< 0.049	< 0.01	Benzyl chloride	< 0.052	< 0.01
Ethyl acetate	< 7.2	<2	1,3,5-Trimethylbenzene	< 2.5	< 0.5
Tetrahydrofuran	< 0.59	< 0.2	1,2,4-Trimethylbenzene	< 2.5	< 0.5
2-Butanone (MEK)	< 2.9	<1	1,3-Dichlorobenzene	< 0.6	< 0.1
1,2-Dichloroethane (EDC)	< 0.04	< 0.01	1,4-Dichlorobenzene	< 0.23	< 0.038
1,1,1-Trichloroethane	< 0.55	< 0.1	1,2-Dichlorobenzene	< 0.6	< 0.1
Carbon tetrachloride	< 0.31	< 0.05	1,2,4-Trichlorobenzene	< 0.74	< 0.1
Benzene	< 0.32	< 0.1	Naphthalene	< 0.26	< 0.05
Cyclohexane	< 6.9	<2	Hexachlorobutadiene	< 0.21	< 0.02

ENVIRONMENTAL CHEMISTS

Date of Report: 02/01/22 Date Received: 01/21/22

Project: Spic n Span 060172, F&BI 201302

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF AIR SAMPLES FOR VOLATILES BY METHOD MA-APH

Laboratory Code: 201302-01 1/5.8 (Duplicate)

	Reporting	Sample	Duplicate	RPD
Analyte	Units	Result	Result	(Limit 30)
APH EC5-8 aliphatics	ug/m3	470	520	10
APH EC9-12 aliphatics	ug/m3	210	210	0
APH EC9-10 aromatics	ug/m3	<140	<140	nm

Laboratory Code: Laboratory Control Sample

			Percent	
	Reporting	Spike	Recovery	Acceptance
Analyte	Units	Level	LCS	Criteria
APH EC5-8 aliphatics	ug/m3	67	77	70-130
APH EC9-12 aliphatics	ug/m3	67	95	70-130
APH EC9-10 aromatics	ug/m3	67	96	70-130

ENVIRONMENTAL CHEMISTS

Date of Report: 02/01/22 Date Received: 01/21/22

Project: Spic n Span 060172, F&BI 201302

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF AIR SAMPLES FOR VOLATILES BY METHOD TO-15

Laboratory Code: 201302-01 1/5.8 (Duplicate)

	Reporting	Sample	Duplicate	RPD
Analyte	Units	Result	Result	(Limit 30)
Propene	ug/m3	71	61	15
Dichlorodifluoromethane	ug/m3	< 2.9	3.5	nm
Chloromethane	ug/m3	<22	<22	nm
F-114	ug/m3	<4.1	<4.1	nm
Vinyl chloride	ug/m3	<1.5	<1.5	nm
1,3-Butadiene	ug/m3	< 0.26	< 0.26	nm
Butane	ug/m3	<28	<28	nm
Bromomethane	ug/m3	<14	<14	nm
Chloroethane	ug/m3	<15	<15	nm
Vinyl bromide	ug/m3	< 2.5	< 2.5	nm
Ethanol	ug/m3	200	190	5
Acrolein	ug/m3	< 0.66	< 0.66	nm
Pentane	ug/m3	<17	<17	nm
Trichlorofluoromethane	ug/m3	<13	<13	nm
Acetone	ug/m3	810	820	1
2-Propanol	ug/m3	< 50	< 50	nm
1,1-Dichloroethene	ug/m3	< 2.3	<2.3	nm
trans-1,2-Dichloroethene	ug/m3	< 2.3	<2.3	nm
Methylene chloride	ug/m3	<200	<200	nm
t-Butyl alcohol (TBA)	ug/m3	< 70	< 70	nm
3-Chloropropene	ug/m3	< 9.1	<9.1	nm
CFC-113	ug/m3	<4.4	<4.4	nm
Carbon disulfide	ug/m3	<36	<36	nm
Methyl t-butyl ether (MTBE)	ug/m3	<10	<10	nm
Vinyl acetate	ug/m3	<41	<41	nm
1,1-Dichloroethane	ug/m3	< 2.3	< 2.3	nm
cis-1,2-Dichloroethene	ug/m3	< 2.3	< 2.3	nm
Hexane	ug/m3	<20	<20	nm
Chloroform	ug/m3	< 0.28	< 0.28	nm
Ethyl acetate	ug/m3	<42	<42	nm
Tetrahydrofuran	ug/m3	19	20	5
2-Butanone (MEK)	ug/m3	<17	<17	nm
1,2-Dichloroethane (EDC)	ug/m3	< 0.23	< 0.23	nm
1,1,1-Trichloroethane	ug/m3	< 3.2	<3.2	nm
Carbon tetrachloride	ug/m3	<1.8	<1.8	nm
Benzene	ug/m3	< 1.9	< 1.9	nm
Cyclohexane	ug/m3	<40	<40	nm
1,2-Dichloropropane	ug/m3	<1.3	<1.3	nm
1,4-Dioxane	ug/m3	< 2.1	< 2.1	nm
2,2,4-Trimethylpentane	ug/m3	<27	<27	nm

ENVIRONMENTAL CHEMISTS

Date of Report: 02/01/22 Date Received: 01/21/22

Project: Spic n Span 060172, F&BI 201302

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF AIR SAMPLES FOR VOLATILES BY METHOD TO-15

Laboratory Code: 201302-01 1/5.8 (Duplicate, continued)

	Reporting	Sample	Duplicate	RPD
Analyte	Units	Result	Result	(Limit 30)
Methyl methacrylate	ug/m3	<24	<24	nm
Heptane	ug/m3	<24	<24	nm
Bromodichloromethane	ug/m3	< 0.39	< 0.39	nm
Trichloroethene	ug/m3	< 0.62	< 0.62	nm
cis-1,3-Dichloropropene	ug/m3	< 2.6	< 2.6	nm
4-Methyl-2-pentanone	ug/m3	<24	<24	nm
trans-1,3-Dichloropropene	ug/m3	< 2.6	< 2.6	nm
Toluene	ug/m3	<110	<110	nm
1,1,2-Trichloroethane	ug/m3	< 0.32	< 0.32	nm
2-Hexanone	ug/m3	<24	<24	nm
Tetrachloroethene	ug/m3	<39	<39	nm
Dibromochloromethane	ug/m3	< 0.49	< 0.49	nm
1,2-Dibromoethane (EDB)	ug/m3	< 0.45	< 0.45	nm
Chlorobenzene	ug/m3	< 2.7	< 2.7	nm
Ethylbenzene	ug/m3	4.6	4.6	0
1,1,2,2-Tetrachloroethane	ug/m3	< 0.8	< 0.8	nm
Nonane	ug/m3	<30	<30	nm
Isopropylbenzene	ug/m3	<14	<14	nm
2-Chlorotoluene	ug/m3	<30	<30	nm
Propylbenzene	ug/m3	<14	<14	nm
4-Ethyltoluene	ug/m3	<14	<14	nm
m,p-Xylene	ug/m3	17	16	6
o-Xylene	ug/m3	5.7	5.6	2
Styrene	ug/m3	<4.9	<4.9	nm
Bromoform	ug/m3	<12	<12	nm
Benzyl chloride	ug/m3	< 0.3	< 0.3	nm
1,3,5-Trimethylbenzene	ug/m3	<14	<14	nm
1,2,4-Trimethylbenzene	ug/m3	<14	<14	nm
1,3-Dichlorobenzene	ug/m3	< 3.5	< 3.5	nm
1,4-Dichlorobenzene	ug/m3	<1.3	<1.3	nm
1,2-Dichlorobenzene	ug/m3	< 3.5	< 3.5	nm
1,2,4-Trichlorobenzene	ug/m3	<4.3	<4.3	nm
Naphthalene	ug/m3	<1.5	<1.5	nm
Hexachlorobutadiene	ug/m3	<1.2	<1.2	nm

ENVIRONMENTAL CHEMISTS

Date of Report: 02/01/22 Date Received: 01/21/22

Project: Spic n Span 060172, F&BI 201302

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF AIR SAMPLES FOR VOLATILES BY METHOD TO-15

Laboratory Code: Laboratory Control Sample

Dasoratory Code. Dasoratory Con	teror sample		Percent	
	Reporting	Spike	Recovery	Acceptance
Analyte	Units	Level	LCS	Criteria
Propene	ug/m3	23	85	70-130
Dichlorodifluoromethane	ug/m3	67	107	70-130
Chloromethane	ug/m3	28	89	70-130
F-114	ug/m3	94	105	70-130
Vinyl chloride	ug/m3	35	96	70-130
1,3-Butadiene	ug/m3	30	92	70-130
Butane	ug/m3	32	95	70-130
Bromomethane	ug/m3	52	104	70-130
Chloroethane	ug/m3	36	98	70-130
Vinyl bromide	ug/m3	59	99	70-130
Ethanol	ug/m3	25	119	70-130
Acrolein	ug/m3	31	95	70-130
Pentane	ug/m3	40	97	70-130
Trichlorofluoromethane	ug/m3	76	108	70-130
Acetone	ug/m3	32	97	70-130
2-Propanol	ug/m3	33	93	70-130
1,1-Dichloroethene	ug/m3	54	97	70-130
trans-1,2-Dichloroethene	ug/m3	54	98	70-130
Methylene chloride	ug/m3	94	77	70-130
t-Butyl alcohol (TBA)	ug/m3	41	95	70-130
3-Chloropropene	ug/m3	42	93	70-130
CFC-113	ug/m3	100	107	70-130
Carbon disulfide	ug/m3	42	93	70-130
Methyl t-butyl ether (MTBE)	ug/m3	49	95	70-130
Vinyl acetate	ug/m3	48	85	70-130
1,1-Dichloroethane	ug/m3	55	99	70-130
cis-1,2-Dichloroethene	ug/m3	54	97	70-130
Hexane	ug/m3	48	95	70-130
Chloroform	ug/m3	66	105	70-130
Ethyl acetate	ug/m3	49	100	70-130
Tetrahydrofuran	ug/m3	40	87	70-130
2-Butanone (MEK)	ug/m3	40	100	70-130
1,2-Dichloroethane (EDC)	ug/m3	55	109	70-130
1,1,1-Trichloroethane	ug/m3	74	108	70-130
Carbon tetrachloride	ug/m3	85	111	70-130
Benzene	ug/m3	43	95	70-130
Cyclohexane	ug/m3	46	91	70-130
1,2-Dichloropropane	ug/m3	62	94	70-130
1,4-Dioxane	ug/m3	49	98	70-130
2,2,4-Trimethylpentane	ug/m3	63	96	70-130

ENVIRONMENTAL CHEMISTS

Date of Report: 02/01/22 Date Received: 01/21/22

Project: Spic n Span 060172, F&BI 201302

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF AIR SAMPLES FOR VOLATILES BY METHOD TO-15

Laboratory Code: Laboratory Control Sample (Continued)

		(Percent	
	Reporting	Spike	Recovery	Acceptance
Analyte	Units	Level	LCS	Criteria
Methyl methacrylate	ug/m3	55	98	70-130
Heptane	ug/m3	55	92	70-130
Bromodichloromethane	ug/m3	90	108	70-130
Trichloroethene	ug/m3	73	101	70-130
cis-1,3-Dichloropropene	ug/m3	61	103	70-130
4-Methyl-2-pentanone	ug/m3	55	96	70-130
trans-1,3-Dichloropropene	ug/m3	61	109	70-130
Toluene	ug/m3	51	108	70-130
1,1,2-Trichloroethane	ug/m3	74	103	70-130
2-Hexanone	ug/m3	55	93	70-130
Tetrachloroethene	ug/m3	92	115	70-130
Dibromochloromethane	ug/m3	120	113	70-130
1,2-Dibromoethane (EDB)	ug/m3	100	100	70-130
Chlorobenzene	ug/m3	62	112	70-130
Ethylbenzene	ug/m3	59	97	70-130
1,1,2,2-Tetrachloroethane	ug/m3	93	101	70-130
Nonane	ug/m3	71	82	70-130
Isopropylbenzene	ug/m3	66	112	70-130
2-Chlorotoluene	ug/m3	70	106	70-130
Propylbenzene	ug/m3	66	98	70-130
4-Ethyltoluene	ug/m3	66	96	70-130
m,p-Xylene	ug/m3	120	100	70-130
o-Xylene	ug/m3	59	101	70-130
Styrene	ug/m3	58	98	70-130
Bromoform	ug/m3	140	121	70-130
Benzyl chloride	ug/m3	70	106	70-130
1,3,5-Trimethylbenzene	ug/m3	66	92	70-130
1,2,4-Trimethylbenzene	ug/m3	66	88	70-130
1,3-Dichlorobenzene	ug/m3	81	110	70-130
1,4-Dichlorobenzene	ug/m3	81	97	70-130
1,2-Dichlorobenzene	ug/m3	81	104	70-130
1,2,4-Trichlorobenzene	ug/m3	100	95	70-130
Naphthalene	ug/m3	71	92	70-130
Hexachlorobutadiene	ug/m3	140	122	70-130

ENVIRONMENTAL CHEMISTS

Data Qualifiers & Definitions

- a The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.
- b The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.
- ca The calibration results for the analyte were outside of acceptance criteria. The value reported is an estimate.
- c The presence of the analyte may be due to carryover from previous sample injections.
- cf The sample was centrifuged prior to analysis.
- d The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.
- dv Insufficient sample volume was available to achieve normal reporting limits.
- f The sample was laboratory filtered prior to analysis.
- fb The analyte was detected in the method blank.
- fc The analyte is a common laboratory and field contaminant.
- hr The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.
- hs Headspace was present in the container used for analysis.
- ht The analysis was performed outside the method or client-specified holding time requirement.
- ip Recovery fell outside of control limits due to sample matrix effects.
- j The analyte concentration is reported below the lowest calibration standard. The value reported is an estimate.
- J The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.
- jl The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.
- js The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.
- lc The presence of the analyte is likely due to laboratory contamination.
- L The reported concentration was generated from a library search.
- nm The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.
- pc The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.
- ve The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.
- vo The value reported fell outside the control limits established for this analyte.
- x The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

Report To BYCMy BYC City, State, ZIP SCATIC, WA 98104 Address 710 2rd AND SUITE 550 Company ASPECT CONSUMMOR 201302

SAMPLE CHAIN OF CUSTODY

01-21-22

Page#_

TURNAROUND TIME

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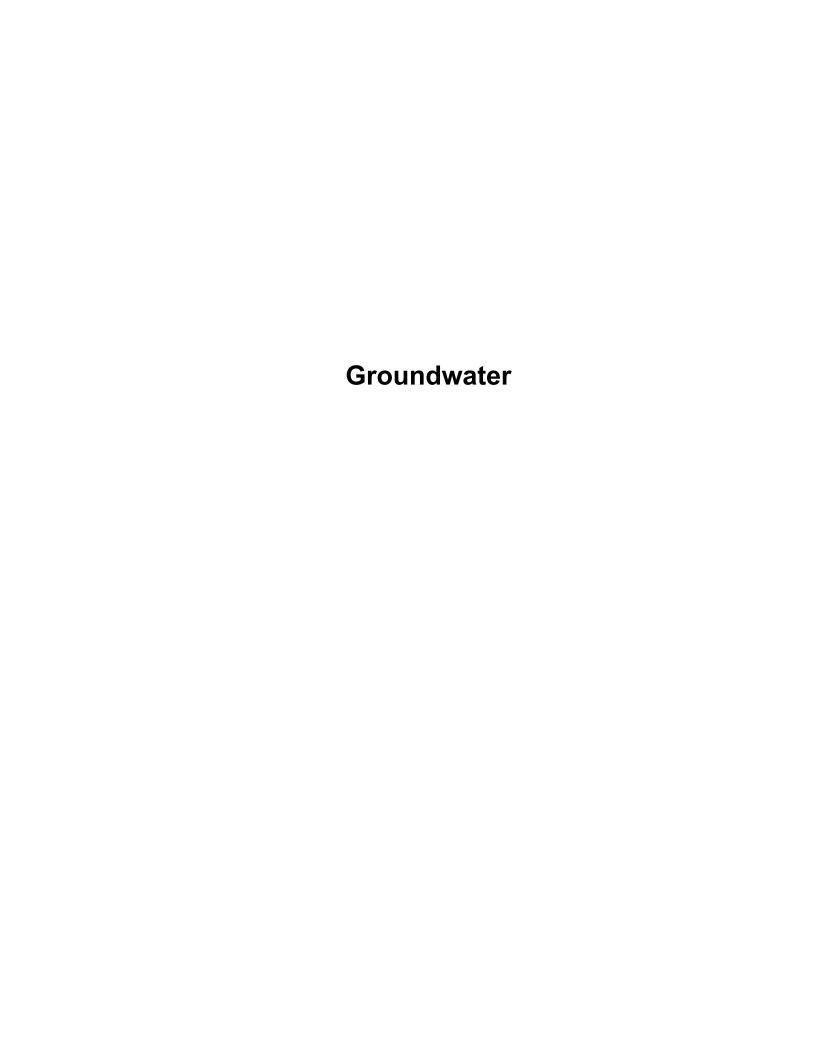
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November 27, 2019

Jeremy Porter Aspect Consulting Dexter Horton Building 710 2nd Avenue, Suit 550 Seattle, WA 98104

Re: Analytical Data for Project 060172

Laboratory Reference No. 1911-227

Dear Jeremy:

Enclosed are the analytical results and associated quality control data for samples submitted on November 22, 2019.

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

David Baumeister Project Manager

Enclosures



Laboratory Reference: 1911-227

Project: 060172

Case Narrative

Samples were collected on November 20, 2019 and received by the laboratory on November 22, 2019. 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.

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.

Laboratory Reference: 1911-227

Project: 060172

GASOLINE RANGE ORGANICS NWTPH-Gx

Matrix: Water Units: ug/L (ppb)

				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	MW-4-112019					
Laboratory ID:	11-227-01					
Gasoline	ND	100	NWTPH-Gx	11-22-19	11-22-19	
Surrogate:	Percent Recovery	Control Limits				
Fluorobenzene	99	59-122				
Client ID:	MW-11-112019					
Laboratory ID:	11-227-02					
Gasoline	ND	100	NWTPH-Gx	11-22-19	11-22-19	
Surrogate:	Percent Recovery	Control Limits				
Fluorobenzene	97	59-122				
Client ID:	MW-12-112019					
Laboratory ID:	11-227-03					
Gasoline	ND	100	NWTPH-Gx	11-22-19	11-22-19	
Surrogate:	Percent Recovery	Control Limits				
Fluorobenzene	96	59-122				
Client ID:	MW-5R-112019					
Laboratory ID:	11-227-04					
Gasoline	ND	100	NWTPH-Gx	11-22-19	11-22-19	
Surrogate:	Percent Recovery	Control Limits				
Fluorobenzene	98	59-122				
Client ID:	MW-10-112019					
Laboratory ID:	11-227-05					
Gasoline	110	100	NWTPH-Gx	11-22-19	11-22-19	Z
Surrogate:	Percent Recovery	Control Limits				
Fluorobenzene	99	59-122				

Laboratory Reference: 1911-227

Project: 060172

GASOLINE RANGE ORGANICS NWTPH-Gx QUALITY CONTROL

Matrix: Water
Units: ug/L (ppb)

				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1122W1					
Gasoline	ND	100	NWTPH-Gx	11-22-19	11-22-19	
Surrogate:	Percent Recovery	Control Limits				
Fluorobenzene	98	59-122				

					Source	Percent	Recovery		RPD	
Analyte	Res	sult	Spike	Level	Result	Recovery	Limits	RPD	Limit	Flags
DUPLICATE										
Laboratory ID:	11-2 ⁻	17-01								
	ORIG	DUP								
Gasoline	152	144	NA	NA		NA	NA	5	30	
Surrogate:	•	•	•	•	•	•				•
Fluorobenzene						99 98	59-122			

Laboratory Reference: 1911-227

Project: 060172

VOLATILE ORGANICS EPA 8260D

page 1 of 2

				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	MW-4-112019					
Laboratory ID:	11-227-01					
Dichlorodifluoromethane	ND	0.20	EPA 8260D	11-22-19	11-22-19	
Chloromethane	ND	1.0	EPA 8260D	11-22-19	11-22-19	
Vinyl Chloride	31	0.20	EPA 8260D	11-22-19	11-22-19	
Bromomethane	ND	0.20	EPA 8260D	11-22-19	11-22-19	
Chloroethane	ND	1.0	EPA 8260D	11-22-19	11-22-19	
Trichlorofluoromethane	ND	0.20	EPA 8260D	11-22-19	11-22-19	
1,1-Dichloroethene	ND	0.20	EPA 8260D	11-22-19	11-22-19	
Acetone	ND	5.0	EPA 8260D	11-22-19	11-22-19	
lodomethane	ND	2.3	EPA 8260D	11-22-19	11-22-19	
Carbon Disulfide	ND	0.20	EPA 8260D	11-22-19	11-22-19	
Methylene Chloride	ND	1.0	EPA 8260D	11-22-19	11-22-19	
(trans) 1,2-Dichloroethene	0.38	0.20	EPA 8260D	11-22-19	11-22-19	
Methyl t-Butyl Ether	ND	0.20	EPA 8260D	11-22-19	11-22-19	
1,1-Dichloroethane	ND	0.20	EPA 8260D	11-22-19	11-22-19	
Vinyl Acetate	ND	1.0	EPA 8260D	11-22-19	11-22-19	
2,2-Dichloropropane	ND	0.20	EPA 8260D	11-22-19	11-22-19	
(cis) 1,2-Dichloroethene	36	0.20	EPA 8260D	11-22-19	11-22-19	
2-Butanone	ND	5.0	EPA 8260D	11-22-19	11-22-19	
Bromochloromethane	ND	0.20	EPA 8260D	11-22-19	11-22-19	
Chloroform	ND	0.20	EPA 8260D	11-22-19	11-22-19	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	11-22-19	11-22-19	
Carbon Tetrachloride	ND	0.20	EPA 8260D	11-22-19	11-22-19	
1,1-Dichloropropene	ND	0.20	EPA 8260D	11-22-19	11-22-19	
Benzene	1.0	0.20	EPA 8260D	11-22-19	11-22-19	
1,2-Dichloroethane	0.27	0.20	EPA 8260D	11-22-19	11-22-19	
Trichloroethene	ND	0.20	EPA 8260D	11-22-19	11-22-19	
1,2-Dichloropropane	ND	0.20	EPA 8260D	11-22-19	11-22-19	
Dibromomethane	ND	0.20	EPA 8260D	11-22-19	11-22-19	
Bromodichloromethane	ND	0.20	EPA 8260D	11-22-19	11-22-19	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260D	11-22-19	11-22-19	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	11-22-19	11-22-19	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260D	11-22-19	11-22-19	
Toluene	ND	1.0	EPA 8260D	11-22-19	11-22-19	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	11-22-19	11-22-19	

Laboratory Reference: 1911-227

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				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	MW-4-112019					
Laboratory ID:	11-227-01					
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	11-22-19	11-22-19	
Tetrachloroethene	ND	0.20	EPA 8260D	11-22-19	11-22-19	
1,3-Dichloropropane	ND	0.20	EPA 8260D	11-22-19	11-22-19	
2-Hexanone	ND	2.0	EPA 8260D	11-22-19	11-22-19	
Dibromochloromethane	ND	0.20	EPA 8260D	11-22-19	11-22-19	
1,2-Dibromoethane	ND	0.20	EPA 8260D	11-22-19	11-22-19	
Chlorobenzene	ND	0.20	EPA 8260D	11-22-19	11-22-19	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	11-22-19	11-22-19	
Ethylbenzene	ND	0.20	EPA 8260D	11-22-19	11-22-19	
m,p-Xylene	ND	0.40	EPA 8260D	11-22-19	11-22-19	
o-Xylene	ND	0.20	EPA 8260D	11-22-19	11-22-19	
Styrene	ND	0.20	EPA 8260D	11-22-19	11-22-19	
Bromoform	ND	1.0	EPA 8260D	11-22-19	11-22-19	
Isopropylbenzene	ND	0.20	EPA 8260D	11-22-19	11-22-19	
Bromobenzene	ND	0.20	EPA 8260D	11-22-19	11-22-19	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	11-22-19	11-22-19	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	11-22-19	11-22-19	
n-Propylbenzene	ND	0.20	EPA 8260D	11-22-19	11-22-19	
2-Chlorotoluene	ND	0.20	EPA 8260D	11-22-19	11-22-19	
4-Chlorotoluene	ND	0.20	EPA 8260D	11-22-19	11-22-19	
1,3,5-Trimethylbenzene	ND	0.20	EPA 8260D	11-22-19	11-22-19	
tert-Butylbenzene	0.27	0.20	EPA 8260D	11-22-19	11-22-19	
1,2,4-Trimethylbenzene	ND	0.20	EPA 8260D	11-22-19	11-22-19	
sec-Butylbenzene	ND	0.20	EPA 8260D	11-22-19	11-22-19	
1,3-Dichlorobenzene	ND	0.20	EPA 8260D	11-22-19	11-22-19	
p-Isopropyltoluene	ND	0.20	EPA 8260D	11-22-19	11-22-19	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	11-22-19	11-22-19	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	11-22-19	11-22-19	
n-Butylbenzene	ND	0.20	EPA 8260D	11-22-19	11-22-19	
1,2-Dibromo-3-chloropropane	e ND	1.3	EPA 8260D	11-22-19	11-22-19	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260D	11-22-19	11-22-19	
Hexachlorobutadiene	ND	1.0	EPA 8260D	11-22-19	11-22-19	
Naphthalene	ND	1.3	EPA 8260D	11-22-19	11-22-19	
1,2,3-Trichlorobenzene	ND	0.26	EPA 8260D	11-22-19	11-22-19	
Surrogate:	Percent Recovery	Control Limits				

Surrogate: Percent Recovery Control Limits
Dibromofluoromethane 109 75-127
Toluene-d8 102 80-127
4-Bromofluorobenzene 100 78-125



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Project: 060172

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				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	MW-11-112019					
Laboratory ID:	11-227-02					
Dichlorodifluoromethane	ND	0.20	EPA 8260D	11-22-19	11-22-19	
Chloromethane	ND	1.0	EPA 8260D	11-22-19	11-22-19	
Vinyl Chloride	ND	0.20	EPA 8260D	11-22-19	11-22-19	
Bromomethane	ND	0.20	EPA 8260D	11-22-19	11-22-19	
Chloroethane	ND	1.0	EPA 8260D	11-22-19	11-22-19	
Trichlorofluoromethane	ND	0.20	EPA 8260D	11-22-19	11-22-19	
1,1-Dichloroethene	ND	0.20	EPA 8260D	11-22-19	11-22-19	
Acetone	ND	5.0	EPA 8260D	11-22-19	11-22-19	
Iodomethane	ND	2.3	EPA 8260D	11-22-19	11-22-19	
Carbon Disulfide	ND	0.20	EPA 8260D	11-22-19	11-22-19	
Methylene Chloride	ND	1.0	EPA 8260D	11-22-19	11-22-19	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260D	11-22-19	11-22-19	
Methyl t-Butyl Ether	ND	0.20	EPA 8260D	11-22-19	11-22-19	
1,1-Dichloroethane	ND	0.20	EPA 8260D	11-22-19	11-22-19	
Vinyl Acetate	ND	1.0	EPA 8260D	11-22-19	11-22-19	
2,2-Dichloropropane	ND	0.20	EPA 8260D	11-22-19	11-22-19	
(cis) 1,2-Dichloroethene	5.8	0.20	EPA 8260D	11-22-19	11-22-19	
2-Butanone	ND	5.0	EPA 8260D	11-22-19	11-22-19	
Bromochloromethane	ND	0.20	EPA 8260D	11-22-19	11-22-19	
Chloroform	ND	0.20	EPA 8260D	11-22-19	11-22-19	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	11-22-19	11-22-19	
Carbon Tetrachloride	ND	0.20	EPA 8260D	11-22-19	11-22-19	
1,1-Dichloropropene	ND	0.20	EPA 8260D	11-22-19	11-22-19	
Benzene	ND	0.20	EPA 8260D	11-22-19	11-22-19	
1,2-Dichloroethane	ND	0.20	EPA 8260D	11-22-19	11-22-19	
Trichloroethene	2.5	0.20	EPA 8260D	11-22-19	11-22-19	
1,2-Dichloropropane	ND	0.20	EPA 8260D	11-22-19	11-22-19	
Dibromomethane	ND	0.20	EPA 8260D	11-22-19	11-22-19	
Bromodichloromethane	ND	0.20	EPA 8260D	11-22-19	11-22-19	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260D	11-22-19	11-22-19	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	11-22-19	11-22-19	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260D	11-22-19	11-22-19	
Toluene	ND	1.0	EPA 8260D	11-22-19	11-22-19	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	11-22-19	11-22-19	

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				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	MW-11-112019					
Laboratory ID:	11-227-02					
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	11-22-19	11-22-19	
Tetrachloroethene	11	0.20	EPA 8260D	11-22-19	11-22-19	
1,3-Dichloropropane	ND	0.20	EPA 8260D	11-22-19	11-22-19	
2-Hexanone	ND	2.0	EPA 8260D	11-22-19	11-22-19	
Dibromochloromethane	ND	0.20	EPA 8260D	11-22-19	11-22-19	
1,2-Dibromoethane	ND	0.20	EPA 8260D	11-22-19	11-22-19	
Chlorobenzene	ND	0.20	EPA 8260D	11-22-19	11-22-19	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	11-22-19	11-22-19	
Ethylbenzene	ND	0.20	EPA 8260D	11-22-19	11-22-19	
m,p-Xylene	ND	0.40	EPA 8260D	11-22-19	11-22-19	
o-Xylene	ND	0.20	EPA 8260D	11-22-19	11-22-19	
Styrene	ND	0.20	EPA 8260D	11-22-19	11-22-19	
Bromoform	ND	1.0	EPA 8260D	11-22-19	11-22-19	
Isopropylbenzene	ND	0.20	EPA 8260D	11-22-19	11-22-19	
Bromobenzene	ND	0.20	EPA 8260D	11-22-19	11-22-19	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	11-22-19	11-22-19	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	11-22-19	11-22-19	
n-Propylbenzene	ND	0.20	EPA 8260D	11-22-19	11-22-19	
2-Chlorotoluene	ND	0.20	EPA 8260D	11-22-19	11-22-19	
4-Chlorotoluene	ND	0.20	EPA 8260D	11-22-19	11-22-19	
1,3,5-Trimethylbenzene	ND	0.20	EPA 8260D	11-22-19	11-22-19	
tert-Butylbenzene	ND	0.20	EPA 8260D	11-22-19	11-22-19	
1,2,4-Trimethylbenzene	ND	0.20	EPA 8260D	11-22-19	11-22-19	
sec-Butylbenzene	ND	0.20	EPA 8260D	11-22-19	11-22-19	
1,3-Dichlorobenzene	ND	0.20	EPA 8260D	11-22-19	11-22-19	
p-Isopropyltoluene	ND	0.20	EPA 8260D	11-22-19	11-22-19	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	11-22-19	11-22-19	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	11-22-19	11-22-19	
n-Butylbenzene	ND	0.20	EPA 8260D	11-22-19	11-22-19	
1,2-Dibromo-3-chloropropane	ND	1.3	EPA 8260D	11-22-19	11-22-19	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260D	11-22-19	11-22-19	
Hexachlorobutadiene	ND	1.0	EPA 8260D	11-22-19	11-22-19	
Naphthalene	ND	1.3	EPA 8260D	11-22-19	11-22-19	
1,2,3-Trichlorobenzene	ND	0.26	EPA 8260D	11-22-19	11-22-19	
Surrogate:	Percent Recovery	Control Limits				

Surrogate:	Percent Recovery	Control Limit
Dibromofluoromethane	109	75-127
Toluene-d8	102	80-127
4-Bromofluorobenzene	97	78-125



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				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	MW-12-112019					
Laboratory ID:	11-227-03					
Dichlorodifluoromethane	ND	0.20	EPA 8260D	11-22-19	11-22-19	
Chloromethane	ND	1.0	EPA 8260D	11-22-19	11-22-19	
Vinyl Chloride	ND	0.20	EPA 8260D	11-22-19	11-22-19	
Bromomethane	ND	0.20	EPA 8260D	11-22-19	11-22-19	
Chloroethane	ND	1.0	EPA 8260D	11-22-19	11-22-19	
Trichlorofluoromethane	ND	0.20	EPA 8260D	11-22-19	11-22-19	
1,1-Dichloroethene	ND	0.20	EPA 8260D	11-22-19	11-22-19	
Acetone	ND	5.0	EPA 8260D	11-22-19	11-22-19	
Iodomethane	ND	2.3	EPA 8260D	11-22-19	11-22-19	
Carbon Disulfide	ND	0.20	EPA 8260D	11-22-19	11-22-19	
Methylene Chloride	ND	1.0	EPA 8260D	11-22-19	11-22-19	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260D	11-22-19	11-22-19	
Methyl t-Butyl Ether	ND	0.20	EPA 8260D	11-22-19	11-22-19	
1,1-Dichloroethane	ND	0.20	EPA 8260D	11-22-19	11-22-19	
Vinyl Acetate	ND	1.0	EPA 8260D	11-22-19	11-22-19	
2,2-Dichloropropane	ND	0.20	EPA 8260D	11-22-19	11-22-19	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260D	11-22-19	11-22-19	
2-Butanone	ND	5.0	EPA 8260D	11-22-19	11-22-19	
Bromochloromethane	ND	0.20	EPA 8260D	11-22-19	11-22-19	
Chloroform	6.0	0.20	EPA 8260D	11-22-19	11-22-19	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	11-22-19	11-22-19	
Carbon Tetrachloride	ND	0.20	EPA 8260D	11-22-19	11-22-19	
1,1-Dichloropropene	ND	0.20	EPA 8260D	11-22-19	11-22-19	
Benzene	ND	0.20	EPA 8260D	11-22-19	11-22-19	
1,2-Dichloroethane	ND	0.20	EPA 8260D	11-22-19	11-22-19	
Trichloroethene	ND	0.20	EPA 8260D	11-22-19	11-22-19	
1,2-Dichloropropane	ND	0.20	EPA 8260D	11-22-19	11-22-19	
Dibromomethane	ND	0.20	EPA 8260D	11-22-19	11-22-19	
Bromodichloromethane	ND	0.20	EPA 8260D	11-22-19	11-22-19	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260D	11-22-19	11-22-19	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	11-22-19	11-22-19	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260D	11-22-19	11-22-19	
Toluene	ND	1.0	EPA 8260D	11-22-19	11-22-19	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	11-22-19	11-22-19	

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				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	MW-12-112019					
Laboratory ID:	11-227-03					
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	11-22-19	11-22-19	
Tetrachloroethene	3.2	0.20	EPA 8260D	11-22-19	11-22-19	
1,3-Dichloropropane	ND	0.20	EPA 8260D	11-22-19	11-22-19	
2-Hexanone	ND	2.0	EPA 8260D	11-22-19	11-22-19	
Dibromochloromethane	ND	0.20	EPA 8260D	11-22-19	11-22-19	
1,2-Dibromoethane	ND	0.20	EPA 8260D	11-22-19	11-22-19	
Chlorobenzene	ND	0.20	EPA 8260D	11-22-19	11-22-19	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	11-22-19	11-22-19	
Ethylbenzene	ND	0.20	EPA 8260D	11-22-19	11-22-19	
m,p-Xylene	ND	0.40	EPA 8260D	11-22-19	11-22-19	
o-Xylene	ND	0.20	EPA 8260D	11-22-19	11-22-19	
Styrene	ND	0.20	EPA 8260D	11-22-19	11-22-19	
Bromoform	ND	1.0	EPA 8260D	11-22-19	11-22-19	
Isopropylbenzene	ND	0.20	EPA 8260D	11-22-19	11-22-19	
Bromobenzene	ND	0.20	EPA 8260D	11-22-19	11-22-19	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	11-22-19	11-22-19	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	11-22-19	11-22-19	
n-Propylbenzene	ND	0.20	EPA 8260D	11-22-19	11-22-19	
2-Chlorotoluene	ND	0.20	EPA 8260D	11-22-19	11-22-19	
4-Chlorotoluene	ND	0.20	EPA 8260D	11-22-19	11-22-19	
1,3,5-Trimethylbenzene	ND	0.20	EPA 8260D	11-22-19	11-22-19	
tert-Butylbenzene	ND	0.20	EPA 8260D	11-22-19	11-22-19	
1,2,4-Trimethylbenzene	ND	0.20	EPA 8260D	11-22-19	11-22-19	
sec-Butylbenzene	ND	0.20	EPA 8260D	11-22-19	11-22-19	
1,3-Dichlorobenzene	ND	0.20	EPA 8260D	11-22-19	11-22-19	
p-Isopropyltoluene	ND	0.20	EPA 8260D	11-22-19	11-22-19	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	11-22-19	11-22-19	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	11-22-19	11-22-19	
n-Butylbenzene	ND	0.20	EPA 8260D	11-22-19	11-22-19	
1,2-Dibromo-3-chloropropane		1.3	EPA 8260D	11-22-19	11-22-19	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260D	11-22-19	11-22-19	
Hexachlorobutadiene	ND	1.0	EPA 8260D	11-22-19	11-22-19	
Naphthalene	ND	1.3	EPA 8260D	11-22-19	11-22-19	
1,2,3-Trichlorobenzene	ND	0.26	EPA 8260D	11-22-19	11-22-19	
Surrogate:	Percent Recovery				· · - - · ·	
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Surrogate: Percent Recovery Control Lim
Dibromofluoromethane 111 75-127
Toluene-d8 103 80-127
4-Bromofluorobenzene 100 78-125



Laboratory Reference: 1911-227

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				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	MW-5R-112019					
Laboratory ID:	11-227-04					
Dichlorodifluoromethane	ND	0.20	EPA 8260D	11-22-19	11-22-19	
Chloromethane	ND	1.0	EPA 8260D	11-22-19	11-22-19	
Vinyl Chloride	2.8	0.20	EPA 8260D	11-22-19	11-22-19	
Bromomethane	ND	0.20	EPA 8260D	11-22-19	11-22-19	
Chloroethane	ND	1.0	EPA 8260D	11-22-19	11-22-19	
Trichlorofluoromethane	ND	0.20	EPA 8260D	11-22-19	11-22-19	
1,1-Dichloroethene	ND	0.20	EPA 8260D	11-22-19	11-22-19	
Acetone	ND	5.0	EPA 8260D	11-22-19	11-22-19	
Iodomethane	ND	2.3	EPA 8260D	11-22-19	11-22-19	
Carbon Disulfide	ND	0.20	EPA 8260D	11-22-19	11-22-19	
Methylene Chloride	ND	1.0	EPA 8260D	11-22-19	11-22-19	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260D	11-22-19	11-22-19	
Methyl t-Butyl Ether	ND	0.20	EPA 8260D	11-22-19	11-22-19	
1,1-Dichloroethane	ND	0.20	EPA 8260D	11-22-19	11-22-19	
Vinyl Acetate	ND	1.0	EPA 8260D	11-22-19	11-22-19	
2,2-Dichloropropane	ND	0.20	EPA 8260D	11-22-19	11-22-19	
(cis) 1,2-Dichloroethene	6.1	0.20	EPA 8260D	11-22-19	11-22-19	
2-Butanone	ND	5.0	EPA 8260D	11-22-19	11-22-19	
Bromochloromethane	ND	0.20	EPA 8260D	11-22-19	11-22-19	
Chloroform	0.24	0.20	EPA 8260D	11-22-19	11-22-19	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	11-22-19	11-22-19	
Carbon Tetrachloride	ND	0.20	EPA 8260D	11-22-19	11-22-19	
1,1-Dichloropropene	ND	0.20	EPA 8260D	11-22-19	11-22-19	
Benzene	ND	0.20	EPA 8260D	11-22-19	11-22-19	
1,2-Dichloroethane	ND	0.20	EPA 8260D	11-22-19	11-22-19	
Trichloroethene	ND	0.20	EPA 8260D	11-22-19	11-22-19	
1,2-Dichloropropane	ND	0.20	EPA 8260D	11-22-19	11-22-19	
Dibromomethane	ND	0.20	EPA 8260D	11-22-19	11-22-19	
Bromodichloromethane	ND	0.20	EPA 8260D	11-22-19	11-22-19	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260D	11-22-19	11-22-19	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	11-22-19	11-22-19	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260D	11-22-19	11-22-19	
Toluene	ND	1.0	EPA 8260D	11-22-19	11-22-19	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	11-22-19	11-22-19	

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				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	MW-5R-112019					
Laboratory ID:	11-227-04					
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	11-22-19	11-22-19	
Tetrachloroethene	ND	0.20	EPA 8260D	11-22-19	11-22-19	
1,3-Dichloropropane	ND	0.20	EPA 8260D	11-22-19	11-22-19	
2-Hexanone	ND	2.0	EPA 8260D	11-22-19	11-22-19	
Dibromochloromethane	ND	0.20	EPA 8260D	11-22-19	11-22-19	
1,2-Dibromoethane	ND	0.20	EPA 8260D	11-22-19	11-22-19	
Chlorobenzene	ND	0.20	EPA 8260D	11-22-19	11-22-19	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	11-22-19	11-22-19	
Ethylbenzene	ND	0.20	EPA 8260D	11-22-19	11-22-19	
m,p-Xylene	ND	0.40	EPA 8260D	11-22-19	11-22-19	
o-Xylene	ND	0.20	EPA 8260D	11-22-19	11-22-19	
Styrene	ND	0.20	EPA 8260D	11-22-19	11-22-19	
Bromoform	ND	1.0	EPA 8260D	11-22-19	11-22-19	
Isopropylbenzene	ND	0.20	EPA 8260D	11-22-19	11-22-19	
Bromobenzene	ND	0.20	EPA 8260D	11-22-19	11-22-19	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	11-22-19	11-22-19	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	11-22-19	11-22-19	
n-Propylbenzene	ND	0.20	EPA 8260D	11-22-19	11-22-19	
2-Chlorotoluene	ND	0.20	EPA 8260D	11-22-19	11-22-19	
4-Chlorotoluene	ND	0.20	EPA 8260D	11-22-19	11-22-19	
1,3,5-Trimethylbenzene	ND	0.20	EPA 8260D	11-22-19	11-22-19	
tert-Butylbenzene	ND	0.20	EPA 8260D	11-22-19	11-22-19	
1,2,4-Trimethylbenzene	ND	0.20	EPA 8260D	11-22-19	11-22-19	
sec-Butylbenzene	ND	0.20	EPA 8260D	11-22-19	11-22-19	
1,3-Dichlorobenzene	ND	0.20	EPA 8260D	11-22-19	11-22-19	
p-Isopropyltoluene	ND	0.20	EPA 8260D	11-22-19	11-22-19	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	11-22-19	11-22-19	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	11-22-19	11-22-19	
n-Butylbenzene	ND	0.20	EPA 8260D	11-22-19	11-22-19	
1,2-Dibromo-3-chloropropane		1.3	EPA 8260D	11-22-19	11-22-19	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260D	11-22-19	11-22-19	
Hexachlorobutadiene	ND	1.0	EPA 8260D	11-22-19	11-22-19	
Naphthalene	ND	1.3	EPA 8260D	11-22-19	11-22-19	
1,2,3-Trichlorobenzene	ND	0.26	EPA 8260D	11-22-19	11-22-19	
Surrogate:	Percent Recovery		2-11			
ga.c.						

Surrogate: Percent Recovery Control Lim
Dibromofluoromethane 111 75-127
Toluene-d8 104 80-127
4-Bromofluorobenzene 99 78-125



Laboratory Reference: 1911-227

Project: 060172

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				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	MW-10-112019					
Laboratory ID:	11-227-05					
Dichlorodifluoromethane	ND	0.20	EPA 8260D	11-22-19	11-22-19	
Chloromethane	ND	1.0	EPA 8260D	11-22-19	11-22-19	
Vinyl Chloride	1.4	0.20	EPA 8260D	11-22-19	11-22-19	
Bromomethane	ND	0.20	EPA 8260D	11-22-19	11-22-19	
Chloroethane	ND	1.0	EPA 8260D	11-22-19	11-22-19	
Trichlorofluoromethane	ND	0.20	EPA 8260D	11-22-19	11-22-19	
1,1-Dichloroethene	ND	0.20	EPA 8260D	11-22-19	11-22-19	
Acetone	ND	5.0	EPA 8260D	11-22-19	11-22-19	
Iodomethane	ND	2.3	EPA 8260D	11-22-19	11-22-19	
Carbon Disulfide	ND	0.20	EPA 8260D	11-22-19	11-22-19	
Methylene Chloride	ND	1.0	EPA 8260D	11-22-19	11-22-19	
(trans) 1,2-Dichloroethene	0.49	0.20	EPA 8260D	11-22-19	11-22-19	
Methyl t-Butyl Ether	ND	0.20	EPA 8260D	11-22-19	11-22-19	
1,1-Dichloroethane	ND	0.20	EPA 8260D	11-22-19	11-22-19	
Vinyl Acetate	ND	1.0	EPA 8260D	11-22-19	11-22-19	
2,2-Dichloropropane	ND	0.20	EPA 8260D	11-22-19	11-22-19	
(cis) 1,2-Dichloroethene	38	0.20	EPA 8260D	11-22-19	11-22-19	
2-Butanone	ND	5.0	EPA 8260D	11-22-19	11-22-19	
Bromochloromethane	ND	0.20	EPA 8260D	11-22-19	11-22-19	
Chloroform	ND	0.20	EPA 8260D	11-22-19	11-22-19	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	11-22-19	11-22-19	
Carbon Tetrachloride	ND	0.20	EPA 8260D	11-22-19	11-22-19	
1,1-Dichloropropene	ND	0.20	EPA 8260D	11-22-19	11-22-19	
Benzene	ND	0.20	EPA 8260D	11-22-19	11-22-19	
1,2-Dichloroethane	0.74	0.20	EPA 8260D	11-22-19	11-22-19	
Trichloroethene	2.2	0.20	EPA 8260D	11-22-19	11-22-19	
1,2-Dichloropropane	ND	0.20	EPA 8260D	11-22-19	11-22-19	
Dibromomethane	ND	0.20	EPA 8260D	11-22-19	11-22-19	
Bromodichloromethane	ND	0.20	EPA 8260D	11-22-19	11-22-19	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260D	11-22-19	11-22-19	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	11-22-19	11-22-19	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260D	11-22-19	11-22-19	
Toluene	ND	1.0	EPA 8260D	11-22-19	11-22-19	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	11-22-19	11-22-19	

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				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	MW-10-112019					
Laboratory ID:	11-227-05					
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	11-22-19	11-22-19	
Tetrachloroethene	1.5	0.20	EPA 8260D	11-22-19	11-22-19	
1,3-Dichloropropane	ND	0.20	EPA 8260D	11-22-19	11-22-19	
2-Hexanone	ND	2.0	EPA 8260D	11-22-19	11-22-19	
Dibromochloromethane	ND	0.20	EPA 8260D	11-22-19	11-22-19	
1,2-Dibromoethane	ND	0.20	EPA 8260D	11-22-19	11-22-19	
Chlorobenzene	ND	0.20	EPA 8260D	11-22-19	11-22-19	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	11-22-19	11-22-19	
Ethylbenzene	ND	0.20	EPA 8260D	11-22-19	11-22-19	
m,p-Xylene	ND	0.40	EPA 8260D	11-22-19	11-22-19	
o-Xylene	ND	0.20	EPA 8260D	11-22-19	11-22-19	
Styrene	ND	0.20	EPA 8260D	11-22-19	11-22-19	
Bromoform	ND	1.0	EPA 8260D	11-22-19	11-22-19	
Isopropylbenzene	ND	0.20	EPA 8260D	11-22-19	11-22-19	
Bromobenzene	ND	0.20	EPA 8260D	11-22-19	11-22-19	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	11-22-19	11-22-19	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	11-22-19	11-22-19	
n-Propylbenzene	ND	0.20	EPA 8260D	11-22-19	11-22-19	
2-Chlorotoluene	ND	0.20	EPA 8260D	11-22-19	11-22-19	
4-Chlorotoluene	ND	0.20	EPA 8260D	11-22-19	11-22-19	
1,3,5-Trimethylbenzene	ND	0.20	EPA 8260D	11-22-19	11-22-19	
tert-Butylbenzene	ND	0.20	EPA 8260D	11-22-19	11-22-19	
1,2,4-Trimethylbenzene	ND	0.20	EPA 8260D	11-22-19	11-22-19	
sec-Butylbenzene	ND	0.20	EPA 8260D	11-22-19	11-22-19	
1,3-Dichlorobenzene	ND	0.20	EPA 8260D	11-22-19	11-22-19	
p-Isopropyltoluene	ND	0.20	EPA 8260D	11-22-19	11-22-19	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	11-22-19	11-22-19	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	11-22-19	11-22-19	
n-Butylbenzene	ND	0.20	EPA 8260D	11-22-19	11-22-19	
1,2-Dibromo-3-chloropropane		1.3	EPA 8260D	11-22-19	11-22-19	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260D	11-22-19	11-22-19	
Hexachlorobutadiene	ND	1.0	EPA 8260D	11-22-19	11-22-19	
Naphthalene	ND	1.3	EPA 8260D	11-22-19	11-22-19	
1,2,3-Trichlorobenzene	ND	0.26	EPA 8260D	11-22-19	11-22-19	
Surrogate:	Percent Recovery	Control Limits				
Dibromofluoromethane	111	75-127				

Surrogate: Percent Recovery Control Lim
Dibromofluoromethane 111 75-127
Toluene-d8 104 80-127
4-Bromofluorobenzene 101 78-125

Laboratory Reference: 1911-227

Project: 060172

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				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	Trip Blank					
Laboratory ID:	11-227-06					
Dichlorodifluoromethane	ND	0.20	EPA 8260D	11-22-19	11-22-19	
Chloromethane	ND	1.0	EPA 8260D	11-22-19	11-22-19	
Vinyl Chloride	ND	0.20	EPA 8260D	11-22-19	11-22-19	
Bromomethane	ND	0.20	EPA 8260D	11-22-19	11-22-19	
Chloroethane	ND	1.0	EPA 8260D	11-22-19	11-22-19	
Trichlorofluoromethane	ND	0.20	EPA 8260D	11-22-19	11-22-19	
1,1-Dichloroethene	ND	0.20	EPA 8260D	11-22-19	11-22-19	
Acetone	ND	5.0	EPA 8260D	11-22-19	11-22-19	
lodomethane	ND	2.3	EPA 8260D	11-22-19	11-22-19	
Carbon Disulfide	ND	0.20	EPA 8260D	11-22-19	11-22-19	
Methylene Chloride	ND	1.0	EPA 8260D	11-22-19	11-22-19	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260D	11-22-19	11-22-19	
Methyl t-Butyl Ether	ND	0.20	EPA 8260D	11-22-19	11-22-19	
1,1-Dichloroethane	ND	0.20	EPA 8260D	11-22-19	11-22-19	
Vinyl Acetate	ND	1.0	EPA 8260D	11-22-19	11-22-19	
2,2-Dichloropropane	ND	0.20	EPA 8260D	11-22-19	11-22-19	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260D	11-22-19	11-22-19	
2-Butanone	ND	5.0	EPA 8260D	11-22-19	11-22-19	
Bromochloromethane	ND	0.20	EPA 8260D	11-22-19	11-22-19	
Chloroform	ND	0.20	EPA 8260D	11-22-19	11-22-19	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	11-22-19	11-22-19	
Carbon Tetrachloride	ND	0.20	EPA 8260D	11-22-19	11-22-19	
1,1-Dichloropropene	ND	0.20	EPA 8260D	11-22-19	11-22-19	
Benzene	ND	0.20	EPA 8260D	11-22-19	11-22-19	
1,2-Dichloroethane	ND	0.20	EPA 8260D	11-22-19	11-22-19	
Trichloroethene	ND	0.20	EPA 8260D	11-22-19	11-22-19	
1,2-Dichloropropane	ND	0.20	EPA 8260D	11-22-19	11-22-19	
Dibromomethane	ND	0.20	EPA 8260D	11-22-19	11-22-19	
Bromodichloromethane	ND	0.20	EPA 8260D	11-22-19	11-22-19	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260D	11-22-19	11-22-19	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	11-22-19	11-22-19	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260D	11-22-19	11-22-19	
Toluene	ND	1.0	EPA 8260D	11-22-19	11-22-19	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	11-22-19	11-22-19	

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				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	Trip Blank					
Laboratory ID:	11-227-06					
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	11-22-19	11-22-19	
Tetrachloroethene	ND	0.20	EPA 8260D	11-22-19	11-22-19	
1,3-Dichloropropane	ND	0.20	EPA 8260D	11-22-19	11-22-19	
2-Hexanone	ND	2.0	EPA 8260D	11-22-19	11-22-19	
Dibromochloromethane	ND	0.20	EPA 8260D	11-22-19	11-22-19	
1,2-Dibromoethane	ND	0.20	EPA 8260D	11-22-19	11-22-19	
Chlorobenzene	ND	0.20	EPA 8260D	11-22-19	11-22-19	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	11-22-19	11-22-19	
Ethylbenzene	ND	0.20	EPA 8260D	11-22-19	11-22-19	
m,p-Xylene	ND	0.40	EPA 8260D	11-22-19	11-22-19	
o-Xylene	ND	0.20	EPA 8260D	11-22-19	11-22-19	
Styrene	ND	0.20	EPA 8260D	11-22-19	11-22-19	
Bromoform	ND	1.0	EPA 8260D	11-22-19	11-22-19	
Isopropylbenzene	ND	0.20	EPA 8260D	11-22-19	11-22-19	
Bromobenzene	ND	0.20	EPA 8260D	11-22-19	11-22-19	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	11-22-19	11-22-19	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	11-22-19	11-22-19	
n-Propylbenzene	ND	0.20	EPA 8260D	11-22-19	11-22-19	
2-Chlorotoluene	ND	0.20	EPA 8260D	11-22-19	11-22-19	
4-Chlorotoluene	ND	0.20	EPA 8260D	11-22-19	11-22-19	
1,3,5-Trimethylbenzene	ND	0.20	EPA 8260D	11-22-19	11-22-19	
tert-Butylbenzene	ND	0.20	EPA 8260D	11-22-19	11-22-19	
1,2,4-Trimethylbenzene	ND	0.20	EPA 8260D	11-22-19	11-22-19	
sec-Butylbenzene	ND	0.20	EPA 8260D	11-22-19	11-22-19	
1,3-Dichlorobenzene	ND	0.20	EPA 8260D	11-22-19	11-22-19	
p-Isopropyltoluene	ND	0.20	EPA 8260D	11-22-19	11-22-19	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	11-22-19	11-22-19	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	11-22-19	11-22-19	
n-Butylbenzene	ND	0.20	EPA 8260D	11-22-19	11-22-19	
1,2-Dibromo-3-chloropropane	ND	1.3	EPA 8260D	11-22-19	11-22-19	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260D	11-22-19	11-22-19	
Hexachlorobutadiene	ND	1.0	EPA 8260D	11-22-19	11-22-19	
Naphthalene	ND	1.3	EPA 8260D	11-22-19	11-22-19	
1,2,3-Trichlorobenzene	ND	0.26	EPA 8260D	11-22-19	11-22-19	
Surrogate:	Percent Recovery	Control Limits				

Surrogate: Percent Recovery Control Limits
Dibromofluoromethane 110 75-127
Toluene-d8 102 80-127
4-Bromofluorobenzene 98 78-125

Laboratory Reference: 1911-227

Project: 060172

VOLATILE ORGANICS EPA 8260D QUALITY CONTROL

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				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1122W1					
Dichlorodifluoromethane	ND	0.20	EPA 8260D	11-22-19	11-22-19	
Chloromethane	ND	1.0	EPA 8260D	11-22-19	11-22-19	
Vinyl Chloride	ND	0.20	EPA 8260D	11-22-19	11-22-19	
Bromomethane	ND	0.20	EPA 8260D	11-22-19	11-22-19	
Chloroethane	ND	1.0	EPA 8260D	11-22-19	11-22-19	
Trichlorofluoromethane	ND	0.20	EPA 8260D	11-22-19	11-22-19	
1,1-Dichloroethene	ND	0.20	EPA 8260D	11-22-19	11-22-19	
Acetone	ND	5.0	EPA 8260D	11-22-19	11-22-19	
Iodomethane	ND	2.3	EPA 8260D	11-22-19	11-22-19	
Carbon Disulfide	ND	0.20	EPA 8260D	11-22-19	11-22-19	
Methylene Chloride	ND	1.0	EPA 8260D	11-22-19	11-22-19	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260D	11-22-19	11-22-19	
Methyl t-Butyl Ether	ND	0.20	EPA 8260D	11-22-19	11-22-19	
1,1-Dichloroethane	ND	0.20	EPA 8260D	11-22-19	11-22-19	
Vinyl Acetate	ND	1.0	EPA 8260D	11-22-19	11-22-19	
2,2-Dichloropropane	ND	0.20	EPA 8260D	11-22-19	11-22-19	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260D	11-22-19	11-22-19	
2-Butanone	ND	5.0	EPA 8260D	11-22-19	11-22-19	
Bromochloromethane	ND	0.20	EPA 8260D	11-22-19	11-22-19	
Chloroform	ND	0.20	EPA 8260D	11-22-19	11-22-19	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	11-22-19	11-22-19	
Carbon Tetrachloride	ND	0.20	EPA 8260D	11-22-19	11-22-19	
1,1-Dichloropropene	ND	0.20	EPA 8260D	11-22-19	11-22-19	
Benzene	ND	0.20	EPA 8260D	11-22-19	11-22-19	
1,2-Dichloroethane	ND	0.20	EPA 8260D	11-22-19	11-22-19	
Trichloroethene	ND	0.20	EPA 8260D	11-22-19	11-22-19	
1,2-Dichloropropane	ND	0.20	EPA 8260D	11-22-19	11-22-19	
Dibromomethane	ND	0.20	EPA 8260D	11-22-19	11-22-19	
Bromodichloromethane	ND	0.20	EPA 8260D	11-22-19	11-22-19	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260D	11-22-19	11-22-19	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	11-22-19	11-22-19	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260D	11-22-19	11-22-19	
Toluene	ND	1.0	EPA 8260D	11-22-19	11-22-19	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	11-22-19	11-22-19	

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VOLATILE ORGANICS EPA 8260D QUALITY CONTROL

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				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1122W1					
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	11-22-19	11-22-19	
Tetrachloroethene	ND	0.20	EPA 8260D	11-22-19	11-22-19	
1,3-Dichloropropane	ND	0.20	EPA 8260D	11-22-19	11-22-19	
2-Hexanone	ND	2.0	EPA 8260D	11-22-19	11-22-19	
Dibromochloromethane	ND	0.20	EPA 8260D	11-22-19	11-22-19	
1,2-Dibromoethane	ND	0.20	EPA 8260D	11-22-19	11-22-19	
Chlorobenzene	ND	0.20	EPA 8260D	11-22-19	11-22-19	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	11-22-19	11-22-19	
Ethylbenzene	ND	0.20	EPA 8260D	11-22-19	11-22-19	
m,p-Xylene	ND	0.40	EPA 8260D	11-22-19	11-22-19	
o-Xylene	ND	0.20	EPA 8260D	11-22-19	11-22-19	
Styrene	ND	0.20	EPA 8260D	11-22-19	11-22-19	
Bromoform	ND	1.0	EPA 8260D	11-22-19	11-22-19	
Isopropylbenzene	ND	0.20	EPA 8260D	11-22-19	11-22-19	
Bromobenzene	ND	0.20	EPA 8260D	11-22-19	11-22-19	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	11-22-19	11-22-19	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	11-22-19	11-22-19	
n-Propylbenzene	ND	0.20	EPA 8260D	11-22-19	11-22-19	
2-Chlorotoluene	ND	0.20	EPA 8260D	11-22-19	11-22-19	
4-Chlorotoluene	ND	0.20	EPA 8260D	11-22-19	11-22-19	
1,3,5-Trimethylbenzene	ND	0.20	EPA 8260D	11-22-19	11-22-19	
tert-Butylbenzene	ND	0.20	EPA 8260D	11-22-19	11-22-19	
1,2,4-Trimethylbenzene	ND	0.20	EPA 8260D	11-22-19	11-22-19	
sec-Butylbenzene	ND	0.20	EPA 8260D	11-22-19	11-22-19	
1,3-Dichlorobenzene	ND	0.20	EPA 8260D	11-22-19	11-22-19	
p-Isopropyltoluene	ND	0.20	EPA 8260D	11-22-19	11-22-19	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	11-22-19	11-22-19	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	11-22-19	11-22-19	
n-Butylbenzene	ND	0.20	EPA 8260D	11-22-19	11-22-19	
1,2-Dibromo-3-chloropropane	ND	1.3	EPA 8260D	11-22-19	11-22-19	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260D	11-22-19	11-22-19	
Hexachlorobutadiene	ND	1.0	EPA 8260D	11-22-19	11-22-19	
Naphthalene	ND	1.3	EPA 8260D	11-22-19	11-22-19	
1,2,3-Trichlorobenzene	ND	0.26	EPA 8260D	11-22-19	11-22-19	
Surrogate:	Percent Recovery	Control Limits		-		
Dibromofluoromethane	108	75-127				
T. 1	100	00.407				

Toluene-d8

4-Bromofluorobenzene

80-127

78-125

103

100

Laboratory Reference: 1911-227

Project: 060172

VOLATILE ORGANICS EPA 8260D QUALITY CONTROL

					Per	cent	Recovery		RPD	
Analyte	Res	sult	Spike	Level	Rece	• • • • • • • • • • • • • • • • • • • •	Flags			
SPIKE BLANKS										
Laboratory ID:	SB11	22W1								
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	10.6	10.3	10.0	10.0	106	103	63-130	3	17	
Benzene	10.3	10.1	10.0	10.0	103	101	76-125	2	19	
Trichloroethene	9.88	9.66	10.0	10.0	99	97	76-121	2	18	
Toluene	9.78	9.67	10.0	10.0	98	97	80-124	1	18	
Chlorobenzene	9.28	9.05	10.0	10.0	93	91	75-120	3	19	
Surrogate:										
Dibromofluoromethane					108	107	75-127			
Toluene-d8					104	104	80-127			
4-Bromofluorobenzene					102	102	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.
- 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.
- Z The sample chromatogram is similar to mineral spirits.
- ND Not Detected at PQL
- PQL Practical Quantitation Limit
- RPD Relative Percent Difference





Chain of Custody

Page	
of	

Reviewed/Date	Received	Relinquished	Received	Relinquished	Received	Relinquished 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Signature			6 Trip Blank	S MW-10-112019	4 MW-5R-112019	3 MW-12-112019	2 MW-11-112019	1 MW-4-112019	Lab ID Sample Identification	Sampled by: Sampled by: Sampled by:	Serony Posto + Polla Massey	Spic N Spcs	060172	ASPECT CONSULTING		Analytical Laboratory Testing Services 14648 NE 95th Street • Redmond, WA 98052
Reviewed/Date			200	Sand Allow	Decoup.	M ASPECT	Company			1 - Water 3	¥ 1425 ¥ 5	1330 5	1235 5	1 1135 5	11/20/190955 With 5	Matrix	(other)		Standard (7 Days)	2 Days 3 Days	Same Day 1 Day	(Check One)	Turnaround Request (in working days)
			Onii sifeelii	11/22/19 11:40) 12/10 69:14	11:50 51/22/11	Date Time			*	×	× ×	*	× ×	×	NWTP NWTP NWTP Volatil	PH-HCIE PH-Gx/E PH-Gx PH-Gx PH-Dx (es 8260 enated	BTEX Acid C Volatile	/ SG Cl	>			Laboratory Number:
Chromatograms with final report ☐ Electronic Data Deliverables (EDDs) ☐	Data Package: Standard ☐ Level III ☐ Level IV ☐			4			Comments/Special Instructions									(with letter particular 8082A ochlorin ophosp nated A RCRA M MTCA M Metals oil and	el PAHs SIM (lo me Pest shorus I noid Her detals		es 8270	DD/SIM		: 01-227	



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

January 10, 2020

Delia Massey Aspect Consulting Dexter Horton Building 710 2nd Avenue, Suit 550 Seattle, WA 98104

Re: Analytical Data for Project 060172

Laboratory Reference No. 2001-046

Dear Delia:

Enclosed are the analytical results and associated quality control data for samples submitted on January 7, 2020.

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,

David Baumeister Project Manager

Enclosures



Project: 060172

Case Narrative

Samples were collected on January 6, 2020 and received by the laboratory on January 7, 2020. 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.

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.

Project: 060172

GASOLINE RANGE ORGANICS NWTPH-Gx

Matrix: Water
Units: ug/L (ppb)

				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	MW-6-010620					
Laboratory ID:	01-046-01					
Gasoline	ND	100	NWTPH-Gx	1-7-20	1-7-20	
Surrogate:	Percent Recovery	Control Limits				
Fluorobenzene	92	59-122				

Project: 060172

GASOLINE RANGE ORGANICS NWTPH-Gx QUALITY CONTROL

Matrix: Water
Units: ug/L (ppb)

				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0107W2					
Gasoline	ND	100	NWTPH-Gx	1-7-20	1-7-20	
Surrogate:	Percent Recovery	Control Limits				
Fluorobenzene	91	59-122				

Analyte	Re	sult	Spike	Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE										
Laboratory ID:	01-0	19-01								
	ORIG	DUP								
Gasoline	ND	ND	NA	NA		NA	NA	NA	30	
Surrogate:										
Fluorobenzene						96 93	59-122			

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Project: 060172

VOLATILE ORGANICS EPA 8260D

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				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	MW-6-010620					
Laboratory ID:	01-046-01					
Dichlorodifluoromethane	ND	0.20	EPA 8260D	1-8-20	1-8-20	
Chloromethane	ND	1.0	EPA 8260D	1-8-20	1-8-20	
Vinyl Chloride	1.2	0.20	EPA 8260D	1-8-20	1-8-20	
Bromomethane	ND	0.20	EPA 8260D	1-8-20	1-8-20	
Chloroethane	ND	1.0	EPA 8260D	1-8-20	1-8-20	
Trichlorofluoromethane	ND	0.20	EPA 8260D	1-8-20	1-8-20	
1,1-Dichloroethene	ND	0.20	EPA 8260D	1-8-20	1-8-20	
Acetone	ND	5.0	EPA 8260D	1-8-20	1-8-20	
Iodomethane	ND	1.0	EPA 8260D	1-8-20	1-8-20	
Carbon Disulfide	ND	0.20	EPA 8260D	1-8-20	1-8-20	
Methylene Chloride	ND	1.0	EPA 8260D	1-8-20	1-8-20	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260D	1-8-20	1-8-20	
Methyl t-Butyl Ether	ND	0.20	EPA 8260D	1-8-20	1-8-20	
1,1-Dichloroethane	ND	0.20	EPA 8260D	1-8-20	1-8-20	
Vinyl Acetate	ND	1.0	EPA 8260D	1-8-20	1-8-20	
2,2-Dichloropropane	ND	0.20	EPA 8260D	1-8-20	1-8-20	
(cis) 1,2-Dichloroethene	0.53	0.20	EPA 8260D	1-8-20	1-8-20	
2-Butanone	ND	5.0	EPA 8260D	1-8-20	1-8-20	
Bromochloromethane	ND	0.20	EPA 8260D	1-8-20	1-8-20	
Chloroform	ND	0.20	EPA 8260D	1-8-20	1-8-20	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	1-8-20	1-8-20	
Carbon Tetrachloride	ND	0.20	EPA 8260D	1-8-20	1-8-20	
1,1-Dichloropropene	ND	0.20	EPA 8260D	1-8-20	1-8-20	
Benzene	ND	0.20	EPA 8260D	1-8-20	1-8-20	
1,2-Dichloroethane	0.20	0.20	EPA 8260D	1-8-20	1-8-20	
Trichloroethene	ND	0.20	EPA 8260D	1-8-20	1-8-20	
1,2-Dichloropropane	ND	0.20	EPA 8260D	1-8-20	1-8-20	
Dibromomethane	ND	0.20	EPA 8260D	1-8-20	1-8-20	
Bromodichloromethane	ND	0.20	EPA 8260D	1-8-20	1-8-20	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260D	1-8-20	1-8-20	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	1-8-20	1-8-20	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260D	1-8-20	1-8-20	
Toluene	ND	1.0	EPA 8260D	1-8-20	1-8-20	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	1-8-20	1-8-20	

Project: 060172

VOLATILE ORGANICS EPA 8260D

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW-6-010620	FQL	Wethou	гтератец	Allalyzeu	riays
Laboratory ID:	01-046-01					
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	1-8-20	1-8-20	
Tetrachloroethene	ND ND	0.20	EPA 8260D EPA 8260D	1-8-20	1-8-20	
1,3-Dichloropropane	ND ND	0.20	EPA 8260D	1-8-20	1-8-20	
2-Hexanone	ND ND	2.0	EPA 8260D	1-8-20	1-8-20	
Z-nexanone Dibromochloromethane	ND ND	0.20	EPA 8260D EPA 8260D	1-8-20	1-8-20	
	ND ND	0.20				
1,2-Dibromoethane	ND ND	0.20	EPA 8260D	1-8-20	1-8-20	
Chlorobenzene			EPA 8260D	1-8-20	1-8-20	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	1-8-20	1-8-20	
Ethylbenzene m.n. Yvlana	ND	0.20	EPA 8260D	1-8-20	1-8-20	
m,p-Xylene	ND	0.40	EPA 8260D	1-8-20	1-8-20	
o-Xylene	ND	0.20	EPA 8260D	1-8-20	1-8-20	
Styrene	ND	0.20	EPA 8260D	1-8-20	1-8-20	
Bromoform	ND	1.0	EPA 8260D	1-8-20	1-8-20	
Isopropylbenzene	ND	0.20	EPA 8260D	1-8-20	1-8-20	
Bromobenzene	ND	0.20	EPA 8260D	1-8-20	1-8-20	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	1-8-20	1-8-20	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	1-8-20	1-8-20	
n-Propylbenzene	ND	0.20	EPA 8260D	1-8-20	1-8-20	
2-Chlorotoluene	ND	0.20	EPA 8260D	1-8-20	1-8-20	
4-Chlorotoluene	ND	0.20	EPA 8260D	1-8-20	1-8-20	
1,3,5-Trimethylbenzene	ND	0.20	EPA 8260D	1-8-20	1-8-20	
tert-Butylbenzene	ND	0.20	EPA 8260D	1-8-20	1-8-20	
1,2,4-Trimethylbenzene	ND	0.20	EPA 8260D	1-8-20	1-8-20	
sec-Butylbenzene	ND	0.20	EPA 8260D	1-8-20	1-8-20	
1,3-Dichlorobenzene	ND	0.20	EPA 8260D	1-8-20	1-8-20	
p-Isopropyltoluene	ND	0.20	EPA 8260D	1-8-20	1-8-20	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	1-8-20	1-8-20	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	1-8-20	1-8-20	
n-Butylbenzene	ND	0.20	EPA 8260D	1-8-20	1-8-20	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260D	1-8-20	1-8-20	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260D	1-8-20	1-8-20	
Hexachlorobutadiene	ND	1.0	EPA 8260D	1-8-20	1-8-20	
Naphthalene	ND	1.0	EPA 8260D	1-8-20	1-8-20	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260D	1-8-20	1-8-20	
Surrogate:	Percent Recovery	Control Limits				
Dibromofluoromethane	88	75-127				

Dibromofluoromethane 88 75-127
Toluene-d8 95 80-127
4-Bromofluorobenzene 93 78-125



VOLATILE ORGANICS EPA 8260D QUALITY CONTROL

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				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0108W1					
Dichlorodifluoromethane	ND	0.20	EPA 8260D	1-8-20	1-8-20	
Chloromethane	ND	1.0	EPA 8260D	1-8-20	1-8-20	
Vinyl Chloride	ND	0.20	EPA 8260D	1-8-20	1-8-20	
Bromomethane	ND	0.20	EPA 8260D	1-8-20	1-8-20	
Chloroethane	ND	1.0	EPA 8260D	1-8-20	1-8-20	
Trichlorofluoromethane	ND	0.20	EPA 8260D	1-8-20	1-8-20	
1,1-Dichloroethene	ND	0.20	EPA 8260D	1-8-20	1-8-20	
Acetone	ND	5.0	EPA 8260D	1-8-20	1-8-20	
Iodomethane	ND	1.0	EPA 8260D	1-8-20	1-8-20	
Carbon Disulfide	ND	0.20	EPA 8260D	1-8-20	1-8-20	
Methylene Chloride	ND	1.0	EPA 8260D	1-8-20	1-8-20	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260D	1-8-20	1-8-20	
Methyl t-Butyl Ether	ND	0.20	EPA 8260D	1-8-20	1-8-20	
1,1-Dichloroethane	ND	0.20	EPA 8260D	1-8-20	1-8-20	
Vinyl Acetate	ND	1.0	EPA 8260D	1-8-20	1-8-20	
2,2-Dichloropropane	ND	0.20	EPA 8260D	1-8-20	1-8-20	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260D	1-8-20	1-8-20	
2-Butanone	ND	5.0	EPA 8260D	1-8-20	1-8-20	
Bromochloromethane	ND	0.20	EPA 8260D	1-8-20	1-8-20	
Chloroform	ND	0.20	EPA 8260D	1-8-20	1-8-20	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	1-8-20	1-8-20	
Carbon Tetrachloride	ND	0.20	EPA 8260D	1-8-20	1-8-20	
1,1-Dichloropropene	ND	0.20	EPA 8260D	1-8-20	1-8-20	
Benzene	ND	0.20	EPA 8260D	1-8-20	1-8-20	
1,2-Dichloroethane	ND	0.20	EPA 8260D	1-8-20	1-8-20	
Trichloroethene	ND	0.20	EPA 8260D	1-8-20	1-8-20	
1,2-Dichloropropane	ND	0.20	EPA 8260D	1-8-20	1-8-20	
Dibromomethane	ND	0.20	EPA 8260D	1-8-20	1-8-20	
Bromodichloromethane	ND	0.20	EPA 8260D	1-8-20	1-8-20	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260D	1-8-20	1-8-20	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	1-8-20	1-8-20	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260D	1-8-20	1-8-20	
Toluene	ND	1.0	EPA 8260D	1-8-20	1-8-20	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	1-8-20	1-8-20	

Project: 060172

VOLATILE ORGANICS EPA 8260D QUALITY CONTROL

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				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0108W1					
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	1-8-20	1-8-20	
Tetrachloroethene	ND	0.20	EPA 8260D	1-8-20	1-8-20	
1,3-Dichloropropane	ND	0.20	EPA 8260D	1-8-20	1-8-20	
2-Hexanone	ND	2.0	EPA 8260D	1-8-20	1-8-20	
Dibromochloromethane	ND	0.20	EPA 8260D	1-8-20	1-8-20	
1,2-Dibromoethane	ND	0.20	EPA 8260D	1-8-20	1-8-20	
Chlorobenzene	ND	0.20	EPA 8260D	1-8-20	1-8-20	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	1-8-20	1-8-20	
Ethylbenzene	ND	0.20	EPA 8260D	1-8-20	1-8-20	
m,p-Xylene	ND	0.40	EPA 8260D	1-8-20	1-8-20	
o-Xylene	ND	0.20	EPA 8260D	1-8-20	1-8-20	
Styrene	ND	0.20	EPA 8260D	1-8-20	1-8-20	
Bromoform	ND	1.0	EPA 8260D	1-8-20	1-8-20	
Isopropylbenzene	ND	0.20	EPA 8260D	1-8-20	1-8-20	
Bromobenzene	ND	0.20	EPA 8260D	1-8-20	1-8-20	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	1-8-20	1-8-20	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	1-8-20	1-8-20	
n-Propylbenzene	ND	0.20	EPA 8260D	1-8-20	1-8-20	
2-Chlorotoluene	ND	0.20	EPA 8260D	1-8-20	1-8-20	
4-Chlorotoluene	ND	0.20	EPA 8260D	1-8-20	1-8-20	
1,3,5-Trimethylbenzene	ND	0.20	EPA 8260D	1-8-20	1-8-20	
tert-Butylbenzene	ND	0.20	EPA 8260D	1-8-20	1-8-20	
1,2,4-Trimethylbenzene	ND	0.20	EPA 8260D	1-8-20	1-8-20	
sec-Butylbenzene	ND	0.20	EPA 8260D	1-8-20	1-8-20	
1,3-Dichlorobenzene	ND	0.20	EPA 8260D	1-8-20	1-8-20	
p-Isopropyltoluene	ND	0.20	EPA 8260D	1-8-20	1-8-20	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	1-8-20	1-8-20	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	1-8-20	1-8-20	
n-Butylbenzene	ND	0.20	EPA 8260D	1-8-20	1-8-20	
1,2-Dibromo-3-chloropropane		1.0	EPA 8260D	1-8-20	1-8-20	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260D	1-8-20	1-8-20	
Hexachlorobutadiene	ND	1.0	EPA 8260D	1-8-20	1-8-20	
Naphthalene	ND	1.0	EPA 8260D	1-8-20	1-8-20	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260D	1-8-20	1-8-20	
Surrogate:	Percent Recovery	Control Limits		- - •	- 	
Dibromofluoromothano	90	75 127				

Dibromofluoromethane 89 75-127
Toluene-d8 98 80-127
4-Bromofluorobenzene 102 78-125

Project: 060172

VOLATILE ORGANICS EPA 8260D QUALITY CONTROL

					Per	cent	Recovery		RPD	
Analyte	Result		Spike Level		Reco	Recovery		RPD	Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB01	08W1								
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	10.8	9.80	10.0	10.0	108	98	63-130	10	17	
Benzene	10.6	9.78	10.0	10.0	106	98	76-125	8	19	
Trichloroethene	11.4	10.2	10.0	10.0	114	102	76-121	11	18	
Toluene	11.5	10.0	10.0	10.0	115	100	80-124	14	18	
Chlorobenzene	11.1	9.84	10.0	10.0	111	98	75-120	12	19	
Surrogate:										
Dibromofluoromethane					87	97	75-127			
Toluene-d8					96	102	80-127			
4-Bromofluorobenzene					104	110	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.
- 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.

7 -

ND - Not Detected at PQL

PQL - Practical Quantitation Limit

RPD - Relative Percent Difference



Reviewed/Date	Received	Relinquished	Received	Relinquished	Received	Relinquished		Project Name: \$7:0 1 \$700.00 Project Manager: 701 10 Mon. Sampled by: 370.5 Sampled by: 370.5 Sampled by: 370.5		14648 NE 9
			Willem Weem	# 128	#174	7	Signature	Project Number: 060172 Project Name: \$7:0 1 \$700 Project Manager: 701 10 Marsson & Sovery Party Sampled by: 735 Sample Identification	5) 883-3881 • www.onsite-env.com	14648 NE 95th Street • Redmond, WA 98052
Reviewed/Date			oS#	Star?	Algunia A 18	Aspect	Company	Same Day 1 Day 2 Detys 3 Days Standard (7 Days) (TPH analysis 5 Days) Oate Time Sampled Sampled Matrix	(Check One)	(in working days)
			17/20 103	M- 1/26 10:2	8:30 nd/1/20 08:3	5HS1 02/9/1		Number of Containers NWTPH-HCID NWTPH-Gx/BTEX NWTPH-Gx NWTPH-Dx Volatiles 8260B Halogenated Volatiles 8260B		Laboratory Number:
Chromatograms with final report					8		Comments/Special Instructions	Semivolatiles 8270D/SIM (with low-level PAHs) PAHs 8270D/SIM (low-level) PCBs 8082 Organochlorine Pesticides 8081A Organophosphorus Pesticides 8270D/SIM Chlorinated Acid Herbicides 8151A Total RCRA / MTCA Metals (circle one) TCLP Metals		er: 01-046
								HEM (oil and grease) 1664		

Chain of Gustody

Page



December 6, 2021

Jeremy Porter Aspect Consulting Dexter Horton Building 710 2nd Avenue, Suite 550 Seattle, WA 98104

Re: Analytical Data for Project 060172

Laboratory Reference No. 2112-040

Dear Jeremy:

Enclosed are the analytical results and associated quality control data for samples submitted on December 3, 2021.

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,

David Baumeister Project Manager

Enclosures



Date of Report: December 6, 2021 Samples Submitted: December 3, 2021 Laboratory Reference: 2112-040

Project: 060172

Case Narrative

Samples were collected on December 2, 2021 and received by the laboratory on December 3, 2021. 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.

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: December 6, 2021 Samples Submitted: December 3, 2021 Laboratory Reference: 2112-040

Project: 060172

VOLATILE ORGANICS EPA 8260D

page 1 of 2

				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	MW-11-120221					
Laboratory ID:	12-040-01					
Dichlorodifluoromethane	ND	2.0	EPA 8260D	12-3-21	12-3-21	
Chloromethane	ND	10	EPA 8260D	12-3-21	12-3-21	
Vinyl Chloride	ND	2.0	EPA 8260D	12-3-21	12-3-21	
Bromomethane	ND	10	EPA 8260D	12-3-21	12-3-21	
Chloroethane	ND	10	EPA 8260D	12-3-21	12-3-21	
Trichlorofluoromethane	ND	2.0	EPA 8260D	12-3-21	12-3-21	
1,1-Dichloroethene	ND	2.0	EPA 8260D	12-3-21	12-3-21	
Acetone	730	50	EPA 8260D	12-3-21	12-3-21	
lodomethane	ND	10	EPA 8260D	12-3-21	12-3-21	
Carbon Disulfide	13	2.0	EPA 8260D	12-3-21	12-3-21	
Methylene Chloride	ND	10	EPA 8260D	12-3-21	12-3-21	
(trans) 1,2-Dichloroethene	ND	2.0	EPA 8260D	12-3-21	12-3-21	
Methyl t-Butyl Ether	ND	2.0	EPA 8260D	12-3-21	12-3-21	
1,1-Dichloroethane	ND	2.0	EPA 8260D	12-3-21	12-3-21	
Vinyl Acetate	ND	10	EPA 8260D	12-3-21	12-3-21	
2,2-Dichloropropane	ND	2.0	EPA 8260D	12-3-21	12-3-21	
(cis) 1,2-Dichloroethene	7.3	2.0	EPA 8260D	12-3-21	12-3-21	
2-Butanone	110	50	EPA 8260D	12-3-21	12-3-21	
Bromochloromethane	ND	2.0	EPA 8260D	12-3-21	12-3-21	
Chloroform	ND	2.0	EPA 8260D	12-3-21	12-3-21	
1,1,1-Trichloroethane	ND	2.0	EPA 8260D	12-3-21	12-3-21	
Carbon Tetrachloride	ND	2.0	EPA 8260D	12-3-21	12-3-21	
1,1-Dichloropropene	ND	2.0	EPA 8260D	12-3-21	12-3-21	
Benzene	ND	2.0	EPA 8260D	12-3-21	12-3-21	
1,2-Dichloroethane	ND	2.0	EPA 8260D	12-3-21	12-3-21	
Trichloroethene	5.7	2.0	EPA 8260D	12-3-21	12-3-21	
1,2-Dichloropropane	ND	2.0	EPA 8260D	12-3-21	12-3-21	
Dibromomethane	ND	2.0	EPA 8260D	12-3-21	12-3-21	
Bromodichloromethane	ND	2.0	EPA 8260D	12-3-21	12-3-21	
(cis) 1,3-Dichloropropene	ND	2.0	EPA 8260D	12-3-21	12-3-21	
Methyl Isobutyl Ketone	ND	25	EPA 8260D	12-3-21	12-3-21	
Toluene	ND	10	EPA 8260D	12-3-21	12-3-21	
(trans) 1,3-Dichloropropene	ND	2.0	EPA 8260D	12-3-21	12-3-21	

Date of Report: December 6, 2021 Samples Submitted: December 3, 2021 Laboratory Reference: 2112-040 Project: 060172

VOLATILE ORGANICS EPA 8260D

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				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	MW-11-120221					
Laboratory ID:	12-040-01					
1,1,2-Trichloroethane	ND	2.0	EPA 8260D	12-3-21	12-3-21	
Tetrachloroethene	6.5	2.0	EPA 8260D	12-3-21	12-3-21	
1,3-Dichloropropane	ND	2.0	EPA 8260D	12-3-21	12-3-21	
2-Hexanone	ND	27	EPA 8260D	12-3-21	12-3-21	
Dibromochloromethane	ND	2.0	EPA 8260D	12-3-21	12-3-21	
1,2-Dibromoethane	ND	2.0	EPA 8260D	12-3-21	12-3-21	
Chlorobenzene	ND	2.0	EPA 8260D	12-3-21	12-3-21	
1,1,1,2-Tetrachloroethane	ND	2.0	EPA 8260D	12-3-21	12-3-21	
Ethylbenzene	ND	2.0	EPA 8260D	12-3-21	12-3-21	
m,p-Xylene	ND	4.0	EPA 8260D	12-3-21	12-3-21	
o-Xylene	ND	2.0	EPA 8260D	12-3-21	12-3-21	
Styrene	ND	2.0	EPA 8260D	12-3-21	12-3-21	
Bromoform	ND	10	EPA 8260D	12-3-21	12-3-21	
Isopropylbenzene	ND	2.0	EPA 8260D	12-3-21	12-3-21	
Bromobenzene	ND	2.0	EPA 8260D	12-3-21	12-3-21	
1,1,2,2-Tetrachloroethane	ND	2.0	EPA 8260D	12-3-21	12-3-21	
1,2,3-Trichloropropane	ND	2.0	EPA 8260D	12-3-21	12-3-21	
n-Propylbenzene	ND	2.0	EPA 8260D	12-3-21	12-3-21	
2-Chlorotoluene	ND	2.0	EPA 8260D	12-3-21	12-3-21	
4-Chlorotoluene	ND	2.0	EPA 8260D	12-3-21	12-3-21	
1,3,5-Trimethylbenzene	ND	2.0	EPA 8260D	12-3-21	12-3-21	
tert-Butylbenzene	ND	2.0	EPA 8260D	12-3-21	12-3-21	
1,2,4-Trimethylbenzene	ND	2.0	EPA 8260D	12-3-21	12-3-21	
sec-Butylbenzene	ND	2.0	EPA 8260D	12-3-21	12-3-21	
1,3-Dichlorobenzene	ND	2.0	EPA 8260D	12-3-21	12-3-21	
p-Isopropyltoluene	ND	2.0	EPA 8260D	12-3-21	12-3-21	
1,4-Dichlorobenzene	ND	2.0	EPA 8260D	12-3-21	12-3-21	
1,2-Dichlorobenzene	ND	2.0	EPA 8260D	12-3-21	12-3-21	
n-Butylbenzene	ND	2.0	EPA 8260D	12-3-21	12-3-21	
1,2-Dibromo-3-chloropropane	ND	10	EPA 8260D	12-3-21	12-3-21	
1,2,4-Trichlorobenzene	ND	10	EPA 8260D	12-3-21	12-3-21	
Hexachlorobutadiene	ND	10	EPA 8260D	12-3-21	12-3-21	
Naphthalene	ND	10	EPA 8260D	12-3-21	12-3-21	
1,2,3-Trichlorobenzene	ND	10	EPA 8260D	12-3-21	12-3-21	
Surrogate:	Percent Recovery	Control Limits				

Surrogate:	Percent Recovery	Control Limits
Dibromofluoromethane	95	75-127
Toluene-d8	99	80-127
4-Bromofluorobenzene	98	78-125

Date of Report: December 6, 2021 Samples Submitted: December 3, 2021 Laboratory Reference: 2112-040

Project: 060172

VOLATILE ORGANICS EPA 8260D

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Matrix: Water Units: ug/L

ormo. ug/L				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	MW-12-120221					
Laboratory ID:	12-040-02					
Dichlorodifluoromethane	ND	0.20	EPA 8260D	12-3-21	12-3-21	
Chloromethane	ND	1.0	EPA 8260D	12-3-21	12-3-21	
Vinyl Chloride	ND	0.20	EPA 8260D	12-3-21	12-3-21	
Bromomethane	ND	1.0	EPA 8260D	12-3-21	12-3-21	
Chloroethane	ND	1.0	EPA 8260D	12-3-21	12-3-21	
Trichlorofluoromethane	ND	0.20	EPA 8260D	12-3-21	12-3-21	
1,1-Dichloroethene	ND	0.20	EPA 8260D	12-3-21	12-3-21	
Acetone	180	20	EPA 8260D	12-6-21	12-6-21	
lodomethane	ND	1.0	EPA 8260D	12-3-21	12-3-21	
Carbon Disulfide	0.74	0.20	EPA 8260D	12-3-21	12-3-21	
Methylene Chloride	ND	1.0	EPA 8260D	12-3-21	12-3-21	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260D	12-3-21	12-3-21	
Methyl t-Butyl Ether	ND	0.20	EPA 8260D	12-3-21	12-3-21	
1,1-Dichloroethane	ND	0.20	EPA 8260D	12-3-21	12-3-21	
Vinyl Acetate	ND	1.0	EPA 8260D	12-3-21	12-3-21	
2,2-Dichloropropane	ND	0.20	EPA 8260D	12-3-21	12-3-21	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260D	12-3-21	12-3-21	
2-Butanone	9.4	5.0	EPA 8260D	12-3-21	12-3-21	
Bromochloromethane	ND	0.20	EPA 8260D	12-3-21	12-3-21	
Chloroform	14	0.20	EPA 8260D	12-3-21	12-3-21	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	12-3-21	12-3-21	
Carbon Tetrachloride	ND	0.20	EPA 8260D	12-3-21	12-3-21	
1,1-Dichloropropene	ND	0.20	EPA 8260D	12-3-21	12-3-21	
Benzene	ND	0.20	EPA 8260D	12-3-21	12-3-21	
1,2-Dichloroethane	ND	0.20	EPA 8260D	12-3-21	12-3-21	
Trichloroethene	0.51	0.20	EPA 8260D	12-3-21	12-3-21	
1,2-Dichloropropane	ND	0.20	EPA 8260D	12-3-21	12-3-21	
Dibromomethane	ND	0.20	EPA 8260D	12-3-21	12-3-21	
Bromodichloromethane	ND	0.20	EPA 8260D	12-3-21	12-3-21	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	12-3-21	12-3-21	
Methyl Isobutyl Ketone	ND	2.5	EPA 8260D	12-3-21	12-3-21	
Toluene	ND	1.0	EPA 8260D	12-3-21	12-3-21	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	12-3-21	12-3-21	

Date of Report: December 6, 2021 Samples Submitted: December 3, 2021 Laboratory Reference: 2112-040

Project: 060172

VOLATILE ORGANICS EPA 8260D

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				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	MW-12-120221					
Laboratory ID:	12-040-02					
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	12-3-21	12-3-21	
Tetrachloroethene	22	0.20	EPA 8260D	12-3-21	12-3-21	
1,3-Dichloropropane	ND	0.20	EPA 8260D	12-3-21	12-3-21	
2-Hexanone	ND	2.7	EPA 8260D	12-3-21	12-3-21	
Dibromochloromethane	ND	0.20	EPA 8260D	12-3-21	12-3-21	
1,2-Dibromoethane	ND	0.20	EPA 8260D	12-3-21	12-3-21	
Chlorobenzene	ND	0.20	EPA 8260D	12-3-21	12-3-21	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	12-3-21	12-3-21	
Ethylbenzene	ND	0.20	EPA 8260D	12-3-21	12-3-21	
m,p-Xylene	ND	0.40	EPA 8260D	12-3-21	12-3-21	
o-Xylene	ND	0.20	EPA 8260D	12-3-21	12-3-21	
Styrene	ND	0.20	EPA 8260D	12-3-21	12-3-21	
Bromoform	ND	1.0	EPA 8260D	12-3-21	12-3-21	
Isopropylbenzene	ND	0.20	EPA 8260D	12-3-21	12-3-21	
Bromobenzene	ND	0.20	EPA 8260D	12-3-21	12-3-21	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	12-3-21	12-3-21	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	12-3-21	12-3-21	
n-Propylbenzene	ND	0.20	EPA 8260D	12-3-21	12-3-21	
2-Chlorotoluene	ND	0.20	EPA 8260D	12-3-21	12-3-21	
4-Chlorotoluene	ND	0.20	EPA 8260D	12-3-21	12-3-21	
1,3,5-Trimethylbenzene	ND	0.20	EPA 8260D	12-3-21	12-3-21	
tert-Butylbenzene	ND	0.20	EPA 8260D	12-3-21	12-3-21	
1,2,4-Trimethylbenzene	ND	0.20	EPA 8260D	12-3-21	12-3-21	
sec-Butylbenzene	ND	0.20	EPA 8260D	12-3-21	12-3-21	
1,3-Dichlorobenzene	ND	0.20	EPA 8260D	12-3-21	12-3-21	
p-Isopropyltoluene	ND	0.20	EPA 8260D	12-3-21	12-3-21	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	12-3-21	12-3-21	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	12-3-21	12-3-21	
n-Butylbenzene	ND	0.20	EPA 8260D	12-3-21	12-3-21	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260D	12-3-21	12-3-21	
1,2,4-Trichlorobenzene	ND	1.0	EPA 8260D	12-3-21	12-3-21	
Hexachlorobutadiene	ND	1.0	EPA 8260D	12-3-21	12-3-21	
Naphthalene	ND	1.0	EPA 8260D	12-3-21	12-3-21	
1,2,3-Trichlorobenzene	ND	1.0	EPA 8260D	12-3-21	12-3-21	
Surrogate:	Percent Recovery	Control Limits				
Dibromofluoromethane	93	75-127				

Surrogate: Percent Recovery Control Limits
Dibromofluoromethane 93 75-127
Toluene-d8 97 80-127
4-Bromofluorobenzene 100 78-125



Date of Report: December 6, 2021 Samples Submitted: December 3, 2021 Laboratory Reference: 2112-040 Project: 060172

VOLATILE ORGANICS EPA 8260D QUALITY CONTROL

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Matrix: Water Units: ug/L

Offits. ug/L				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1203W1					
Dichlorodifluoromethane	ND	0.20	EPA 8260D	12-3-21	12-3-21	
Chloromethane	ND	1.0	EPA 8260D	12-3-21	12-3-21	
Vinyl Chloride	ND	0.20	EPA 8260D	12-3-21	12-3-21	
Bromomethane	ND	1.0	EPA 8260D	12-3-21	12-3-21	
Chloroethane	ND	1.0	EPA 8260D	12-3-21	12-3-21	
Trichlorofluoromethane	ND	0.20	EPA 8260D	12-3-21	12-3-21	
1,1-Dichloroethene	ND	0.20	EPA 8260D	12-3-21	12-3-21	
Acetone	ND	5.0	EPA 8260D	12-3-21	12-3-21	
lodomethane	ND	1.0	EPA 8260D	12-3-21	12-3-21	
Carbon Disulfide	ND	0.20	EPA 8260D	12-3-21	12-3-21	
Methylene Chloride	ND	1.0	EPA 8260D	12-3-21	12-3-21	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260D	12-3-21	12-3-21	
Methyl t-Butyl Ether	ND	0.20	EPA 8260D	12-3-21	12-3-21	
1,1-Dichloroethane	ND	0.20	EPA 8260D	12-3-21	12-3-21	
Vinyl Acetate	ND	1.0	EPA 8260D	12-3-21	12-3-21	
2,2-Dichloropropane	ND	0.20	EPA 8260D	12-3-21	12-3-21	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260D	12-3-21	12-3-21	
2-Butanone	ND	5.0	EPA 8260D	12-3-21	12-3-21	
Bromochloromethane	ND	0.20	EPA 8260D	12-3-21	12-3-21	
Chloroform	ND	0.20	EPA 8260D	12-3-21	12-3-21	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	12-3-21	12-3-21	
Carbon Tetrachloride	ND	0.20	EPA 8260D	12-3-21	12-3-21	
1,1-Dichloropropene	ND	0.20	EPA 8260D	12-3-21	12-3-21	
Benzene	ND	0.20	EPA 8260D	12-3-21	12-3-21	
1,2-Dichloroethane	ND	0.20	EPA 8260D	12-3-21	12-3-21	
Trichloroethene	ND	0.20	EPA 8260D	12-3-21	12-3-21	
1,2-Dichloropropane	ND	0.20	EPA 8260D	12-3-21	12-3-21	
Dibromomethane	ND	0.20	EPA 8260D	12-3-21	12-3-21	
Bromodichloromethane	ND	0.20	EPA 8260D	12-3-21	12-3-21	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	12-3-21	12-3-21	
Methyl Isobutyl Ketone	ND	2.5	EPA 8260D	12-3-21	12-3-21	
Toluene	ND	1.0	EPA 8260D	12-3-21	12-3-21	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	12-3-21	12-3-21	

Date of Report: December 6, 2021 Samples Submitted: December 3, 2021 Laboratory Reference: 2112-040

Project: 060172

VOLATILE ORGANICS EPA 8260D QUALITY CONTROL

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				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1203W1					
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	12-3-21	12-3-21	
Tetrachloroethene	ND	0.20	EPA 8260D	12-3-21	12-3-21	
1,3-Dichloropropane	ND	0.20	EPA 8260D	12-3-21	12-3-21	
2-Hexanone	ND	2.7	EPA 8260D	12-3-21	12-3-21	
Dibromochloromethane	ND	0.20	EPA 8260D	12-3-21	12-3-21	
1,2-Dibromoethane	ND	0.20	EPA 8260D	12-3-21	12-3-21	
Chlorobenzene	ND	0.20	EPA 8260D	12-3-21	12-3-21	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	12-3-21	12-3-21	
Ethylbenzene	ND	0.20	EPA 8260D	12-3-21	12-3-21	
m,p-Xylene	ND	0.40	EPA 8260D	12-3-21	12-3-21	
o-Xylene	ND	0.20	EPA 8260D	12-3-21	12-3-21	
Styrene	ND	0.20	EPA 8260D	12-3-21	12-3-21	
Bromoform	ND	1.0	EPA 8260D	12-3-21	12-3-21	
Isopropylbenzene	ND	0.20	EPA 8260D	12-3-21	12-3-21	
Bromobenzene	ND	0.20	EPA 8260D	12-3-21	12-3-21	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	12-3-21	12-3-21	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	12-3-21	12-3-21	
n-Propylbenzene	ND	0.20	EPA 8260D	12-3-21	12-3-21	
2-Chlorotoluene	ND	0.20	EPA 8260D	12-3-21	12-3-21	
4-Chlorotoluene	ND	0.20	EPA 8260D	12-3-21	12-3-21	
1,3,5-Trimethylbenzene	ND	0.20	EPA 8260D	12-3-21	12-3-21	
tert-Butylbenzene	ND	0.20	EPA 8260D	12-3-21	12-3-21	
1,2,4-Trimethylbenzene	ND	0.20	EPA 8260D	12-3-21	12-3-21	
sec-Butylbenzene	ND	0.20	EPA 8260D	12-3-21	12-3-21	
1,3-Dichlorobenzene	ND	0.20	EPA 8260D	12-3-21	12-3-21	
p-Isopropyltoluene	ND	0.20	EPA 8260D	12-3-21	12-3-21	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	12-3-21	12-3-21	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	12-3-21	12-3-21	
n-Butylbenzene	ND	0.20	EPA 8260D	12-3-21	12-3-21	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260D	12-3-21	12-3-21	
1,2,4-Trichlorobenzene	ND	1.0	EPA 8260D	12-3-21	12-3-21	
Hexachlorobutadiene	ND	1.0	EPA 8260D	12-3-21	12-3-21	
Naphthalene	ND	1.0	EPA 8260D	12-3-21	12-3-21	
1,2,3-Trichlorobenzene	ND	1.0	EPA 8260D	12-3-21	12-3-21	
Surrogate:	Percent Recovery					
Dibramafluaramathana	06	75 107				

Dibromofluoromethane 96 75-127
Toluene-d8 97 80-127
4-Bromofluorobenzene 93 78-125

Date of Report: December 6, 2021 Samples Submitted: December 3, 2021 Laboratory Reference: 2112-040 Project: 060172

VOLATILE ORGANICS EPA 8260D QUALITY CONTROL

page 1 of 2

Matrix: Water Units: ug/L

Offits. ug/L				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1206W1					
Dichlorodifluoromethane	ND	0.26	EPA 8260D	12-6-21	12-6-21	
Chloromethane	ND	1.0	EPA 8260D	12-6-21	12-6-21	
Vinyl Chloride	ND	0.20	EPA 8260D	12-6-21	12-6-21	
Bromomethane	ND	1.6	EPA 8260D	12-6-21	12-6-21	
Chloroethane	ND	1.0	EPA 8260D	12-6-21	12-6-21	
Trichlorofluoromethane	ND	0.20	EPA 8260D	12-6-21	12-6-21	
1,1-Dichloroethene	ND	0.20	EPA 8260D	12-6-21	12-6-21	
Acetone	ND	5.0	EPA 8260D	12-6-21	12-6-21	
lodomethane	ND	1.3	EPA 8260D	12-6-21	12-6-21	
Carbon Disulfide	ND	0.20	EPA 8260D	12-6-21	12-6-21	
Methylene Chloride	ND	1.0	EPA 8260D	12-6-21	12-6-21	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260D	12-6-21	12-6-21	
Methyl t-Butyl Ether	ND	0.20	EPA 8260D	12-6-21	12-6-21	
1,1-Dichloroethane	ND	0.20	EPA 8260D	12-6-21	12-6-21	
Vinyl Acetate	ND	1.0	EPA 8260D	12-6-21	12-6-21	
2,2-Dichloropropane	ND	0.20	EPA 8260D	12-6-21	12-6-21	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260D	12-6-21	12-6-21	
2-Butanone	ND	5.0	EPA 8260D	12-6-21	12-6-21	
Bromochloromethane	ND	0.20	EPA 8260D	12-6-21	12-6-21	
Chloroform	ND	0.20	EPA 8260D	12-6-21	12-6-21	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	12-6-21	12-6-21	
Carbon Tetrachloride	ND	0.20	EPA 8260D	12-6-21	12-6-21	
1,1-Dichloropropene	ND	0.20	EPA 8260D	12-6-21	12-6-21	
Benzene	ND	0.20	EPA 8260D	12-6-21	12-6-21	
1,2-Dichloroethane	ND	0.20	EPA 8260D	12-6-21	12-6-21	
Trichloroethene	ND	0.20	EPA 8260D	12-6-21	12-6-21	
1,2-Dichloropropane	ND	0.20	EPA 8260D	12-6-21	12-6-21	
Dibromomethane	ND	0.20	EPA 8260D	12-6-21	12-6-21	
Bromodichloromethane	ND	0.20	EPA 8260D	12-6-21	12-6-21	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	12-6-21	12-6-21	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260D	12-6-21	12-6-21	
Toluene	ND	1.0	EPA 8260D	12-6-21	12-6-21	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	12-6-21	12-6-21	

Date of Report: December 6, 2021 Samples Submitted: December 3, 2021 Laboratory Reference: 2112-040

Project: 060172

VOLATILE ORGANICS EPA 8260D QUALITY CONTROL

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				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1206W1					
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	12-6-21	12-6-21	
Tetrachloroethene	ND	0.20	EPA 8260D	12-6-21	12-6-21	
1,3-Dichloropropane	ND	0.20	EPA 8260D	12-6-21	12-6-21	
2-Hexanone	ND	2.0	EPA 8260D	12-6-21	12-6-21	
Dibromochloromethane	ND	0.20	EPA 8260D	12-6-21	12-6-21	
1,2-Dibromoethane	ND	0.20	EPA 8260D	12-6-21	12-6-21	
Chlorobenzene	ND	0.20	EPA 8260D	12-6-21	12-6-21	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	12-6-21	12-6-21	
Ethylbenzene	ND	0.20	EPA 8260D	12-6-21	12-6-21	
m,p-Xylene	ND	0.40	EPA 8260D	12-6-21	12-6-21	
o-Xylene	ND	0.20	EPA 8260D	12-6-21	12-6-21	
Styrene	ND	0.20	EPA 8260D	12-6-21	12-6-21	
Bromoform	ND	1.0	EPA 8260D	12-6-21	12-6-21	
Isopropylbenzene	ND	0.20	EPA 8260D	12-6-21	12-6-21	
Bromobenzene	ND	0.20	EPA 8260D	12-6-21	12-6-21	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	12-6-21	12-6-21	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	12-6-21	12-6-21	
n-Propylbenzene	ND	0.20	EPA 8260D	12-6-21	12-6-21	
2-Chlorotoluene	ND	0.20	EPA 8260D	12-6-21	12-6-21	
4-Chlorotoluene	ND	0.20	EPA 8260D	12-6-21	12-6-21	
1,3,5-Trimethylbenzene	ND	0.20	EPA 8260D	12-6-21	12-6-21	
tert-Butylbenzene	ND	0.20	EPA 8260D	12-6-21	12-6-21	
1,2,4-Trimethylbenzene	ND	0.20	EPA 8260D	12-6-21	12-6-21	
sec-Butylbenzene	ND	0.20	EPA 8260D	12-6-21	12-6-21	
1,3-Dichlorobenzene	ND	0.20	EPA 8260D	12-6-21	12-6-21	
p-Isopropyltoluene	ND	0.20	EPA 8260D	12-6-21	12-6-21	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	12-6-21	12-6-21	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	12-6-21	12-6-21	
n-Butylbenzene	ND	0.20	EPA 8260D	12-6-21	12-6-21	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260D	12-6-21	12-6-21	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260D	12-6-21	12-6-21	
Hexachlorobutadiene	ND	1.0	EPA 8260D	12-6-21	12-6-21	
Naphthalene	ND	1.0	EPA 8260D	12-6-21	12-6-21	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260D	12-6-21	12-6-21	
Surrogate:	Percent Recovery	Control Limits				
Dibramaflyaramathana	00	75 107				

Surrogate: Percent Recovery Control Limits
Dibromofluoromethane 98 75-127
Toluene-d8 100 80-127
4-Bromofluorobenzene 97 78-125

Date of Report: December 6, 2021 Samples Submitted: December 3, 2021 Laboratory Reference: 2112-040 Project: 060172

VOLATILE ORGANICS EPA 8260D QUALITY CONTROL

Matrix: Water Units: ug/L

					Per	cent	Recovery		RPD	
Analyte	Res	sult	Spike	Level	Reco	overy	Limits	RPD	Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB12	03W1								
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	9.88	10.9	10.0	10.0	99	109	78-125	10	19	
Benzene	10.3	11.3	10.0	10.0	103	113	80-119	9	16	
Trichloroethene	10.2	11.7	10.0	10.0	102	117	80-121	14	18	
Toluene	9.73	10.9	10.0	10.0	97	109	80-117	11	18	
Chlorobenzene	9.92	11.3	10.0	10.0	99	113	80-117	13	17	
Surrogate:										
Dibromofluoromethane					97	96	75-127			
Toluene-d8					100	100	80-127			
4-Bromofluorobenzene					97	98	78-125			
Laboratory ID:	SB12	06W1								
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	10.1	10.0	10.0	10.0	101	100	78-125	1	19	
Benzene	10.2	10.0	10.0	10.0	102	100	80-119	2	16	
Trichloroethene	10.3	10.2	10.0	10.0	103	102	80-121	1	18	
Toluene	10.1	9.95	10.0	10.0	101	100	80-117	1	18	
Chlorobenzene	9.84	9.65	10.0	10.0	98	97	80-117	2	17	
Surrogate:										
Dibromofluoromethane					95	95	75-127			
Toluene-d8					100	99	80-127			
4-Bromofluorobenzene					103	100	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.
- 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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samples for	110	0	* HOLO	1240	232		7	ASpe	B	shed MMMH	Relinquished
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				×	×		1761 5	1435 water	12/2/21	MW-11-120221	_
Total N	Chlori		(with le	Haloge	NWTP		Matrix	Time Sampled N	Date Sampled	Sample Identification	Lab ID
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					ean-up		3 Days		2 Days	60172	
	30,530,0	DE/SIM)		Day	Day X 1 Day	Same Day	ASpect Consulting	Project Numi
								(Check One)		Phone: (425) 883-3881 • www.onsite-env.com	Company
12-040				Number:	Laboratory Number:	La		(in working days)	(in	Analytical Laboratory Testing Services 14648 NE 95th Street • Redmond, WA 98052	



December 17, 2021

Jeremy Porter Aspect Consulting Dexter Horton Building 710 2nd Avenue, Suite 550 Seattle, WA 98104

Re: Analytical Data for Project 060172

Laboratory Reference No. 2112-167

Dear Jeremy:

Enclosed are the analytical results and associated quality control data for samples submitted on December 16, 2021.

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,

David Baumeister Project Manager

Enclosures

Date of Report: December 17, 2021 Samples Submitted: December 16, 2021 Laboratory Reference: 2112-167

Project: 060172

Case Narrative

Samples were collected on December 16, 2021 and received by the laboratory on December 16, 2021. 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.

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

All VOA vials provided for samples MW-11-121621 and MW-12-121621 contained headspace. Some loss of volatiles may have occurred.

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.

Laboratory Reference: 2112-167

Project: 060172

VOLATILE ORGANICS EPA 8260D

page 1 of 2

Matrix: Water Units: ug/L

Office. ug/L				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	MW-11-121621					
Laboratory ID:	12-167-01					
Dichlorodifluoromethane	ND	2.0	EPA 8260D	12-17-21	12-17-21	
Chloromethane	ND	10	EPA 8260D	12-17-21	12-17-21	
Vinyl Chloride	ND	2.0	EPA 8260D	12-17-21	12-17-21	
Bromomethane	ND	2.0	EPA 8260D	12-17-21	12-17-21	
Chloroethane	ND	10	EPA 8260D	12-17-21	12-17-21	
Trichlorofluoromethane	ND	2.0	EPA 8260D	12-17-21	12-17-21	
1,1-Dichloroethene	ND	2.0	EPA 8260D	12-17-21	12-17-21	
Acetone	520	50	EPA 8260D	12-17-21	12-17-21	
lodomethane	ND	50	EPA 8260D	12-17-21	12-17-21	
Carbon Disulfide	ND	2.0	EPA 8260D	12-17-21	12-17-21	
Methylene Chloride	ND	10	EPA 8260D	12-17-21	12-17-21	
(trans) 1,2-Dichloroethene	ND	2.0	EPA 8260D	12-17-21	12-17-21	
Methyl t-Butyl Ether	ND	2.0	EPA 8260D	12-17-21	12-17-21	
1,1-Dichloroethane	ND	2.0	EPA 8260D	12-17-21	12-17-21	
Vinyl Acetate	ND	10	EPA 8260D	12-17-21	12-17-21	
2,2-Dichloropropane	ND	2.0	EPA 8260D	12-17-21	12-17-21	
(cis) 1,2-Dichloroethene	2.5	2.0	EPA 8260D	12-17-21	12-17-21	
2-Butanone	62	50	EPA 8260D	12-17-21	12-17-21	
Bromochloromethane	ND	2.0	EPA 8260D	12-17-21	12-17-21	
Chloroform	ND	2.0	EPA 8260D	12-17-21	12-17-21	
1,1,1-Trichloroethane	ND	2.0	EPA 8260D	12-17-21	12-17-21	
Carbon Tetrachloride	ND	2.0	EPA 8260D	12-17-21	12-17-21	
1,1-Dichloropropene	ND	2.0	EPA 8260D	12-17-21	12-17-21	
Benzene	ND	2.0	EPA 8260D	12-17-21	12-17-21	
1,2-Dichloroethane	ND	2.0	EPA 8260D	12-17-21	12-17-21	
Trichloroethene	2.1	2.0	EPA 8260D	12-17-21	12-17-21	
1,2-Dichloropropane	ND	2.0	EPA 8260D	12-17-21	12-17-21	
Dibromomethane	ND	2.0	EPA 8260D	12-17-21	12-17-21	
Bromodichloromethane	ND	2.0	EPA 8260D	12-17-21	12-17-21	
(cis) 1,3-Dichloropropene	ND	2.0	EPA 8260D	12-17-21	12-17-21	
Methyl Isobutyl Ketone	ND	20	EPA 8260D	12-17-21	12-17-21	
Toluene	ND	10	EPA 8260D	12-17-21	12-17-21	
(trans) 1,3-Dichloropropene	ND	2.0	EPA 8260D	12-17-21	12-17-21	

Laboratory Reference: 2112-167

Project: 060172

VOLATILE ORGANICS EPA 8260D

page 2 of 2

				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	MW-11-121621					
Laboratory ID:	12-167-01					
1,1,2-Trichloroethane	ND	2.0	EPA 8260D	12-17-21	12-17-21	
Tetrachloroethene	2.5	2.0	EPA 8260D	12-17-21	12-17-21	
1,3-Dichloropropane	ND	2.0	EPA 8260D	12-17-21	12-17-21	
2-Hexanone	ND	20	EPA 8260D	12-17-21	12-17-21	
Dibromochloromethane	ND	2.0	EPA 8260D	12-17-21	12-17-21	
1,2-Dibromoethane	ND	2.0	EPA 8260D	12-17-21	12-17-21	
Chlorobenzene	ND	2.0	EPA 8260D	12-17-21	12-17-21	
1,1,1,2-Tetrachloroethane	ND	2.0	EPA 8260D	12-17-21	12-17-21	
Ethylbenzene	ND	2.0	EPA 8260D	12-17-21	12-17-21	
m,p-Xylene	ND	4.0	EPA 8260D	12-17-21	12-17-21	
o-Xylene	ND	2.0	EPA 8260D	12-17-21	12-17-21	
Styrene	ND	2.0	EPA 8260D	12-17-21	12-17-21	
Bromoform	ND	10	EPA 8260D	12-17-21	12-17-21	
Isopropylbenzene	ND	2.0	EPA 8260D	12-17-21	12-17-21	
Bromobenzene	ND	2.0	EPA 8260D	12-17-21	12-17-21	
1,1,2,2-Tetrachloroethane	ND	2.0	EPA 8260D	12-17-21	12-17-21	
1,2,3-Trichloropropane	ND	2.0	EPA 8260D	12-17-21	12-17-21	
n-Propylbenzene	ND	2.0	EPA 8260D	12-17-21	12-17-21	
2-Chlorotoluene	ND	2.0	EPA 8260D	12-17-21	12-17-21	
4-Chlorotoluene	ND	2.0	EPA 8260D	12-17-21	12-17-21	
1,3,5-Trimethylbenzene	ND	2.0	EPA 8260D	12-17-21	12-17-21	
tert-Butylbenzene	ND	2.0	EPA 8260D	12-17-21	12-17-21	
1,2,4-Trimethylbenzene	ND	2.0	EPA 8260D	12-17-21	12-17-21	
sec-Butylbenzene	ND	2.0	EPA 8260D	12-17-21	12-17-21	
1,3-Dichlorobenzene	ND	2.0	EPA 8260D	12-17-21	12-17-21	
p-Isopropyltoluene	ND	2.0	EPA 8260D	12-17-21	12-17-21	
1,4-Dichlorobenzene	ND	2.0	EPA 8260D	12-17-21	12-17-21	
1,2-Dichlorobenzene	ND	2.0	EPA 8260D	12-17-21	12-17-21	
n-Butylbenzene	ND	2.0	EPA 8260D	12-17-21	12-17-21	
1,2-Dibromo-3-chloropropane	ND	10	EPA 8260D	12-17-21	12-17-21	
1,2,4-Trichlorobenzene	ND	2.0	EPA 8260D	12-17-21	12-17-21	
Hexachlorobutadiene	ND	10	EPA 8260D	12-17-21	12-17-21	
Naphthalene	ND	10	EPA 8260D	12-17-21	12-17-21	
1,2,3-Trichlorobenzene	ND	2.0	EPA 8260D	12-17-21	12-17-21	
Surrogate:	Percent Recovery	Control Limits				

Surrogate: Percent Recovery Control Limits
Dibromofluoromethane 105 75-127
Toluene-d8 101 80-127
4-Bromofluorobenzene 96 78-125

Laboratory Reference: 2112-167

Project: 060172

VOLATILE ORGANICS EPA 8260D

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Matrix: Water Units: ug/L

0e. u.g, _				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	MW-12-121621					
Laboratory ID:	12-167-02					
Dichlorodifluoromethane	ND	0.40	EPA 8260D	12-17-21	12-17-21	
Chloromethane	ND	2.0	EPA 8260D	12-17-21	12-17-21	
Vinyl Chloride	ND	0.40	EPA 8260D	12-17-21	12-17-21	
Bromomethane	ND	0.40	EPA 8260D	12-17-21	12-17-21	
Chloroethane	ND	2.0	EPA 8260D	12-17-21	12-17-21	
Trichlorofluoromethane	ND	0.40	EPA 8260D	12-17-21	12-17-21	
1,1-Dichloroethene	ND	0.40	EPA 8260D	12-17-21	12-17-21	
Acetone	160	10	EPA 8260D	12-17-21	12-17-21	
lodomethane	ND	10	EPA 8260D	12-17-21	12-17-21	
Carbon Disulfide	ND	0.40	EPA 8260D	12-17-21	12-17-21	
Methylene Chloride	ND	2.0	EPA 8260D	12-17-21	12-17-21	
(trans) 1,2-Dichloroethene	ND	0.40	EPA 8260D	12-17-21	12-17-21	
Methyl t-Butyl Ether	ND	0.40	EPA 8260D	12-17-21	12-17-21	
1,1-Dichloroethane	ND	0.40	EPA 8260D	12-17-21	12-17-21	
Vinyl Acetate	ND	2.0	EPA 8260D	12-17-21	12-17-21	
2,2-Dichloropropane	ND	0.40	EPA 8260D	12-17-21	12-17-21	
(cis) 1,2-Dichloroethene	ND	0.40	EPA 8260D	12-17-21	12-17-21	
2-Butanone	ND	10	EPA 8260D	12-17-21	12-17-21	
Bromochloromethane	ND	0.40	EPA 8260D	12-17-21	12-17-21	
Chloroform	8.5	0.40	EPA 8260D	12-17-21	12-17-21	
1,1,1-Trichloroethane	ND	0.40	EPA 8260D	12-17-21	12-17-21	
Carbon Tetrachloride	ND	0.40	EPA 8260D	12-17-21	12-17-21	
1,1-Dichloropropene	ND	0.40	EPA 8260D	12-17-21	12-17-21	
Benzene	ND	0.40	EPA 8260D	12-17-21	12-17-21	
1,2-Dichloroethane	ND	0.40	EPA 8260D	12-17-21	12-17-21	
Trichloroethene	ND	0.40	EPA 8260D	12-17-21	12-17-21	
1,2-Dichloropropane	ND	0.40	EPA 8260D	12-17-21	12-17-21	
Dibromomethane	ND	0.40	EPA 8260D	12-17-21	12-17-21	
Bromodichloromethane	ND	0.40	EPA 8260D	12-17-21	12-17-21	
(cis) 1,3-Dichloropropene	ND	0.40	EPA 8260D	12-17-21	12-17-21	
Methyl Isobutyl Ketone	ND	4.0	EPA 8260D	12-17-21	12-17-21	
Toluene	ND	2.0	EPA 8260D	12-17-21	12-17-21	
(trans) 1,3-Dichloropropene	ND	0.40	EPA 8260D	12-17-21	12-17-21	

Date of Report: December 17, 2021 Samples Submitted: December 16, 2021 Laboratory Reference: 2112-167

Project: 060172

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				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	MW-12-121621					
Laboratory ID:	12-167-02					
1,1,2-Trichloroethane	ND	0.40	EPA 8260D	12-17-21	12-17-21	
Tetrachloroethene	3.9	0.40	EPA 8260D	12-17-21	12-17-21	
1,3-Dichloropropane	ND	0.40	EPA 8260D	12-17-21	12-17-21	
2-Hexanone	ND	4.0	EPA 8260D	12-17-21	12-17-21	
Dibromochloromethane	ND	0.40	EPA 8260D	12-17-21	12-17-21	
1,2-Dibromoethane	ND	0.40	EPA 8260D	12-17-21	12-17-21	
Chlorobenzene	ND	0.40	EPA 8260D	12-17-21	12-17-21	
1,1,1,2-Tetrachloroethane	ND	0.40	EPA 8260D	12-17-21	12-17-21	
Ethylbenzene	ND	0.40	EPA 8260D	12-17-21	12-17-21	
m,p-Xylene	ND	0.80	EPA 8260D	12-17-21	12-17-21	
o-Xylene	ND	0.40	EPA 8260D	12-17-21	12-17-21	
Styrene	ND	0.40	EPA 8260D	12-17-21	12-17-21	
Bromoform	ND	2.0	EPA 8260D	12-17-21	12-17-21	
Isopropylbenzene	ND	0.40	EPA 8260D	12-17-21	12-17-21	
Bromobenzene	ND	0.40	EPA 8260D	12-17-21	12-17-21	
1,1,2,2-Tetrachloroethane	ND	0.40	EPA 8260D	12-17-21	12-17-21	
1,2,3-Trichloropropane	ND	0.40	EPA 8260D	12-17-21	12-17-21	
n-Propylbenzene	ND	0.40	EPA 8260D	12-17-21	12-17-21	
2-Chlorotoluene	ND	0.40	EPA 8260D	12-17-21	12-17-21	
4-Chlorotoluene	ND	0.40	EPA 8260D	12-17-21	12-17-21	
1,3,5-Trimethylbenzene	ND	0.40	EPA 8260D	12-17-21	12-17-21	
tert-Butylbenzene	ND	0.40	EPA 8260D	12-17-21	12-17-21	
1,2,4-Trimethylbenzene	ND	0.40	EPA 8260D	12-17-21	12-17-21	
sec-Butylbenzene	ND	0.40	EPA 8260D	12-17-21	12-17-21	
1,3-Dichlorobenzene	ND	0.40	EPA 8260D	12-17-21	12-17-21	
p-Isopropyltoluene	ND	0.40	EPA 8260D	12-17-21	12-17-21	
1,4-Dichlorobenzene	ND	0.40	EPA 8260D	12-17-21	12-17-21	
1,2-Dichlorobenzene	ND	0.40	EPA 8260D	12-17-21	12-17-21	
n-Butylbenzene	ND	0.40	EPA 8260D	12-17-21	12-17-21	
1,2-Dibromo-3-chloropropane	e ND	2.0	EPA 8260D	12-17-21	12-17-21	
1,2,4-Trichlorobenzene	ND	0.40	EPA 8260D	12-17-21	12-17-21	
Hexachlorobutadiene	ND	2.0	EPA 8260D	12-17-21	12-17-21	
Naphthalene	ND	2.0	EPA 8260D	12-17-21	12-17-21	
1,2,3-Trichlorobenzene	ND	0.40	EPA 8260D	12-17-21	12-17-21	
Surrogate:	Percent Recovery	Control Limits				_
Dibromofluoromethane	106	75-127				
Toluene-d8	101	80-127				

4-Bromofluorobenzene

78-125

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Laboratory Reference: 2112-167

Project: 060172

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Matrix: Water Units: ug/L

				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	MW-5R-121621					
Laboratory ID:	12-167-03					
Dichlorodifluoromethane	ND	0.80	EPA 8260D	12-17-21	12-17-21	
Chloromethane	ND	4.0	EPA 8260D	12-17-21	12-17-21	
Vinyl Chloride	ND	0.80	EPA 8260D	12-17-21	12-17-21	
Bromomethane	ND	0.80	EPA 8260D	12-17-21	12-17-21	
Chloroethane	ND	4.0	EPA 8260D	12-17-21	12-17-21	
Trichlorofluoromethane	ND	0.80	EPA 8260D	12-17-21	12-17-21	
1,1-Dichloroethene	ND	0.80	EPA 8260D	12-17-21	12-17-21	
Acetone	290	20	EPA 8260D	12-17-21	12-17-21	
lodomethane	ND	20	EPA 8260D	12-17-21	12-17-21	
Carbon Disulfide	ND	0.80	EPA 8260D	12-17-21	12-17-21	
Methylene Chloride	ND	4.0	EPA 8260D	12-17-21	12-17-21	
(trans) 1,2-Dichloroethene	ND	0.80	EPA 8260D	12-17-21	12-17-21	
Methyl t-Butyl Ether	ND	0.80	EPA 8260D	12-17-21	12-17-21	
1,1-Dichloroethane	ND	0.80	EPA 8260D	12-17-21	12-17-21	
Vinyl Acetate	ND	4.0	EPA 8260D	12-17-21	12-17-21	
2,2-Dichloropropane	ND	0.80	EPA 8260D	12-17-21	12-17-21	
(cis) 1,2-Dichloroethene	ND	0.80	EPA 8260D	12-17-21	12-17-21	
2-Butanone	43	20	EPA 8260D	12-17-21	12-17-21	
Bromochloromethane	ND	0.80	EPA 8260D	12-17-21	12-17-21	
Chloroform	ND	0.80	EPA 8260D	12-17-21	12-17-21	
1,1,1-Trichloroethane	ND	0.80	EPA 8260D	12-17-21	12-17-21	
Carbon Tetrachloride	ND	0.80	EPA 8260D	12-17-21	12-17-21	
1,1-Dichloropropene	ND	0.80	EPA 8260D	12-17-21	12-17-21	
Benzene	ND	0.80	EPA 8260D	12-17-21	12-17-21	
1,2-Dichloroethane	ND	0.80	EPA 8260D	12-17-21	12-17-21	
Trichloroethene	ND	0.80	EPA 8260D	12-17-21	12-17-21	
1,2-Dichloropropane	ND	0.80	EPA 8260D	12-17-21	12-17-21	
Dibromomethane	ND	0.80	EPA 8260D	12-17-21	12-17-21	
Bromodichloromethane	ND	0.80	EPA 8260D	12-17-21	12-17-21	
(cis) 1,3-Dichloropropene	ND	0.80	EPA 8260D	12-17-21	12-17-21	
Methyl Isobutyl Ketone	ND	8.0	EPA 8260D	12-17-21	12-17-21	
Toluene	ND	4.0	EPA 8260D	12-17-21	12-17-21	
(trans) 1,3-Dichloropropene	ND	0.80	EPA 8260D	12-17-21	12-17-21	

Laboratory Reference: 2112-167

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VOLATILE ORGANICS EPA 8260D

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				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	MW-5R-121621					
Laboratory ID:	12-167-03					
1,1,2-Trichloroethane	ND	0.80	EPA 8260D	12-17-21	12-17-21	
Tetrachloroethene	ND	0.80	EPA 8260D	12-17-21	12-17-21	
1,3-Dichloropropane	ND	0.80	EPA 8260D	12-17-21	12-17-21	
2-Hexanone	ND	8.0	EPA 8260D	12-17-21	12-17-21	
Dibromochloromethane	ND	0.80	EPA 8260D	12-17-21	12-17-21	
1,2-Dibromoethane	ND	0.80	EPA 8260D	12-17-21	12-17-21	
Chlorobenzene	ND	0.80	EPA 8260D	12-17-21	12-17-21	
1,1,1,2-Tetrachloroethane	ND	0.80	EPA 8260D	12-17-21	12-17-21	
Ethylbenzene	ND	0.80	EPA 8260D	12-17-21	12-17-21	
m,p-Xylene	ND	1.6	EPA 8260D	12-17-21	12-17-21	
o-Xylene	ND	0.80	EPA 8260D	12-17-21	12-17-21	
Styrene	ND	0.80	EPA 8260D	12-17-21	12-17-21	
Bromoform	ND	4.0	EPA 8260D	12-17-21	12-17-21	
Isopropylbenzene	ND	0.80	EPA 8260D	12-17-21	12-17-21	
Bromobenzene	ND	0.80	EPA 8260D	12-17-21	12-17-21	
1,1,2,2-Tetrachloroethane	ND	0.80	EPA 8260D	12-17-21	12-17-21	
1,2,3-Trichloropropane	ND	0.80	EPA 8260D	12-17-21	12-17-21	
n-Propylbenzene	ND	0.80	EPA 8260D	12-17-21	12-17-21	
2-Chlorotoluene	ND	0.80	EPA 8260D	12-17-21	12-17-21	
4-Chlorotoluene	ND	0.80	EPA 8260D	12-17-21	12-17-21	
1,3,5-Trimethylbenzene	ND	0.80	EPA 8260D	12-17-21	12-17-21	
tert-Butylbenzene	ND	0.80	EPA 8260D	12-17-21	12-17-21	
1,2,4-Trimethylbenzene	ND	0.80	EPA 8260D	12-17-21	12-17-21	
sec-Butylbenzene	ND	0.80	EPA 8260D	12-17-21	12-17-21	
1,3-Dichlorobenzene	ND	0.80	EPA 8260D	12-17-21	12-17-21	
p-Isopropyltoluene	2.5	0.80	EPA 8260D	12-17-21	12-17-21	
1,4-Dichlorobenzene	ND	0.80	EPA 8260D	12-17-21	12-17-21	
1,2-Dichlorobenzene	ND	0.80	EPA 8260D	12-17-21	12-17-21	
n-Butylbenzene	ND	0.80	EPA 8260D	12-17-21	12-17-21	
1,2-Dibromo-3-chloropropane	ND	4.0	EPA 8260D	12-17-21	12-17-21	
1,2,4-Trichlorobenzene	ND	0.80	EPA 8260D	12-17-21	12-17-21	
Hexachlorobutadiene	ND	4.0	EPA 8260D	12-17-21	12-17-21	
Naphthalene	ND	4.0	EPA 8260D	12-17-21	12-17-21	
1,2,3-Trichlorobenzene	ND	0.80	EPA 8260D	12-17-21	12-17-21	
Surrogate:	Percent Recovery	Control Limits				

Surrogate: Percent Recovery Control Limits
Dibromofluoromethane 104 75-127
Toluene-d8 100 80-127
4-Bromofluorobenzene 96 78-125

Laboratory Reference: 2112-167

Project: 060172

VOLATILE ORGANICS EPA 8260D QUALITY CONTROL

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Matrix: Water Units: ug/L

				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1217W1					
Dichlorodifluoromethane	ND	0.20	EPA 8260D	12-17-21	12-17-21	
Chloromethane	ND	1.0	EPA 8260D	12-17-21	12-17-21	
Vinyl Chloride	ND	0.20	EPA 8260D	12-17-21	12-17-21	
Bromomethane	ND	0.20	EPA 8260D	12-17-21	12-17-21	
Chloroethane	ND	1.0	EPA 8260D	12-17-21	12-17-21	
Trichlorofluoromethane	ND	0.20	EPA 8260D	12-17-21	12-17-21	
1,1-Dichloroethene	ND	0.20	EPA 8260D	12-17-21	12-17-21	
Acetone	ND	5.0	EPA 8260D	12-17-21	12-17-21	
lodomethane	ND	5.0	EPA 8260D	12-17-21	12-17-21	
Carbon Disulfide	ND	0.20	EPA 8260D	12-17-21	12-17-21	
Methylene Chloride	ND	1.0	EPA 8260D	12-17-21	12-17-21	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260D	12-17-21	12-17-21	
Methyl t-Butyl Ether	ND	0.20	EPA 8260D	12-17-21	12-17-21	
1,1-Dichloroethane	ND	0.20	EPA 8260D	12-17-21	12-17-21	
Vinyl Acetate	ND	1.0	EPA 8260D	12-17-21	12-17-21	
2,2-Dichloropropane	ND	0.20	EPA 8260D	12-17-21	12-17-21	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260D	12-17-21	12-17-21	
2-Butanone	ND	5.0	EPA 8260D	12-17-21	12-17-21	
Bromochloromethane	ND	0.20	EPA 8260D	12-17-21	12-17-21	
Chloroform	ND	0.20	EPA 8260D	12-17-21	12-17-21	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	12-17-21	12-17-21	
Carbon Tetrachloride	ND	0.20	EPA 8260D	12-17-21	12-17-21	
1,1-Dichloropropene	ND	0.20	EPA 8260D	12-17-21	12-17-21	
Benzene	ND	0.20	EPA 8260D	12-17-21	12-17-21	
1,2-Dichloroethane	ND	0.20	EPA 8260D	12-17-21	12-17-21	
Trichloroethene	ND	0.20	EPA 8260D	12-17-21	12-17-21	
1,2-Dichloropropane	ND	0.20	EPA 8260D	12-17-21	12-17-21	
Dibromomethane	ND	0.20	EPA 8260D	12-17-21	12-17-21	
Bromodichloromethane	ND	0.20	EPA 8260D	12-17-21	12-17-21	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	12-17-21	12-17-21	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260D	12-17-21	12-17-21	
Toluene	ND	1.0	EPA 8260D	12-17-21	12-17-21	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	12-17-21	12-17-21	

Laboratory Reference: 2112-167

Project: 060172

VOLATILE ORGANICS EPA 8260D QUALITY CONTROL

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Analyto	Posul4	BO!	Mathad	Date Propaged	Date Analyzod	Eleas
Analyte METHOD BLANK	Result	PQL	Method	Prepared	Analyzed	Flags
	MD4047\\\/4					
Laboratory ID:	MB1217W1	0.20	EPA 8260D	12-17-21	12-17-21	
1,1,2-Trichloroethane	ND					
Tetrachloroethene	ND	0.20	EPA 8260D	12-17-21	12-17-21	
1,3-Dichloropropane	ND	0.20	EPA 8260D	12-17-21	12-17-21	
2-Hexanone	ND	2.0	EPA 8260D	12-17-21	12-17-21	
Dibromochloromethane	ND	0.20	EPA 8260D	12-17-21	12-17-21	
1,2-Dibromoethane	ND	0.20	EPA 8260D	12-17-21	12-17-21	
Chlorobenzene	ND	0.20	EPA 8260D	12-17-21	12-17-21	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	12-17-21	12-17-21	
Ethylbenzene	ND	0.20	EPA 8260D	12-17-21	12-17-21	
m,p-Xylene	ND	0.40	EPA 8260D	12-17-21	12-17-21	
o-Xylene	ND	0.20	EPA 8260D	12-17-21	12-17-21	
Styrene	ND	0.20	EPA 8260D	12-17-21	12-17-21	
Bromoform	ND	1.0	EPA 8260D	12-17-21	12-17-21	
Isopropylbenzene	ND	0.20	EPA 8260D	12-17-21	12-17-21	
Bromobenzene	ND	0.20	EPA 8260D	12-17-21	12-17-21	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	12-17-21	12-17-21	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	12-17-21	12-17-21	
n-Propylbenzene	ND	0.20	EPA 8260D	12-17-21	12-17-21	
2-Chlorotoluene	ND	0.20	EPA 8260D	12-17-21	12-17-21	
4-Chlorotoluene	ND	0.20	EPA 8260D	12-17-21	12-17-21	
1,3,5-Trimethylbenzene	ND	0.20	EPA 8260D	12-17-21	12-17-21	
tert-Butylbenzene	ND	0.20	EPA 8260D	12-17-21	12-17-21	
1,2,4-Trimethylbenzene	ND	0.20	EPA 8260D	12-17-21	12-17-21	
sec-Butylbenzene	ND	0.20	EPA 8260D	12-17-21	12-17-21	
1,3-Dichlorobenzene	ND	0.20	EPA 8260D	12-17-21	12-17-21	
p-Isopropyltoluene	ND	0.20	EPA 8260D	12-17-21	12-17-21	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	12-17-21	12-17-21	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	12-17-21	12-17-21	
n-Butylbenzene	ND	0.20	EPA 8260D	12-17-21	12-17-21	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260D	12-17-21	12-17-21	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260D	12-17-21	12-17-21	
Hexachlorobutadiene	ND	1.0	EPA 8260D	12-17-21	12-17-21	
Naphthalene	ND	1.0	EPA 8260D	12-17-21	12-17-21	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260D	12-17-21	12-17-21	
Surrogate:	Percent Recovery	Control Limits		12 11 21	12 11 21	
Dibromofluoromethane	102	75 ₋ 127				

Dibromofluoromethane 102 75-127
Toluene-d8 99 80-127
4-Bromofluorobenzene 94 78-125

Laboratory Reference: 2112-167

Project: 060172

VOLATILE ORGANICS EPA 8260D QUALITY CONTROL

Matrix: Water Units: ug/L

					Per	cent	Recovery		RPD	
Analyte	Res	sult	Spike	Level	Rec	overy	Limits	RPD	Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB12	17W1								
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	9.37	9.17	10.0	10.0	94	92	78-125	2	19	
Benzene	9.05	8.83	10.0	10.0	91	88	80-119	2	16	
Trichloroethene	8.86	8.90	10.0	10.0	89	89	80-121	0	18	
Toluene	8.56	8.49	10.0	10.0	86	85	80-117	1	18	
Chlorobenzene	9.47	9.33	10.0	10.0	95	93	80-117	1	17	
Surrogate:										
Dibromofluoromethane					102	101	75-127			
Toluene-d8					99	100	80-127			
4-Bromofluorobenzene					96	98	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.
- 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



Environmental Inc. Analytical Laboratory Testing Services 14648 NE 95th Street · Redmond, WA 98052

Chain of Custody

Page

of

Reviewed/Date	Received	Relinquished	Received	Relinquished	Received	Relinquished MONUGUE UX	Signature							3 mw-5R-121621	2 MW-12-121621	1 mw-11-121621	Lab ID Sample Identification	Sampled by: MMC	JEROMY PORTER	Spie n' Span	DOONE NUMBER OF OCONE	Aspect Consulting	Phone: (425) 883-3881 • www.onsite-env.com	Analytical Laboratory Testing Services 14648 NE 95th Street • Redmond, WA 98052
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January 14, 2022

Jeremy Porter Aspect Consulting Dexter Horton Building 710 2nd Avenue, Suite 550 Seattle, WA 98104

Re: Analytical Data for Project 060172

Laboratory Reference No. 2201-077

Dear Jeremy:

Enclosed are the analytical results and associated quality control data for samples submitted on January 11, 2022.

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,

David Baumeister Project Manager

Enclosures



Project: 060172

Case Narrative

Samples were collected on January 10 and 11, 2022 and received by the laboratory on January 11, 2022. 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.

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.

GASOLINE RANGE ORGANICS NWTPH-Gx

Matrix: Soil

Units: mg/kg (ppm)

			Date	Date	
Result	PQL	Method	Prepared	Analyzed	Flags
CB-08-19.5-011022					
01-077-02					
ND	8.3	NWTPH-Gx	1-12-22	1-12-22	
Percent Recovery	Control Limits				
109	66-129				
CB-08-27-011022					
01-077-03					
ND	5.0	NWTPH-Gx	1-12-22	1-12-22	
Percent Recovery	Control Limits				
109	66-129				
CB-14-20-011022					
01-077-04					
ND	5.4	NWTPH-Gx	1-12-22	1-12-22	
Percent Recovery	Control Limits				
112	66-129				
CB-14-22-011022					
01-077-05					
ND	5.8	NWTPH-Gx	1-12-22	1-12-22	
Percent Recovery	Control Limits				
110	66-129				
CB-14-24.5-011022					
01-077-06					
ND	6.4	NWTPH-Gx	1-12-22	1-12-22	
Percent Recovery	Control Limits				
113	66-129				
	CB-08-19.5-011022	CB-08-19.5-011022 ND 8.3 Percent Recovery 109 Control Limits 66-129 CB-08-27-011022 01-077-03 Control Limits 66-129 ND 5.0 Percent Recovery 109 Control Limits 66-129 CB-14-20-011022 01-077-04 Control Limits 66-129 ND 5.4 Percent Recovery 112 Control Limits 66-129 CB-14-22-011022 01-077-05 Control Limits 66-129 CB-14-24.5-011022 01-077-06 Control Limits ND ND 6.4 Percent Recovery Control Limits Control Limits Control Limits Control Limits Control Limits Control Limits Control Limits	CB-08-19.5-011022 ND 8.3 NWTPH-Gx Percent Recovery 109 Control Limits 66-129 CB-08-27-011022 O1-077-03 ND 5.0 NWTPH-Gx Percent Recovery 109 Control Limits 66-129 CB-14-20-011022 01-077-04 ND 5.4 NWTPH-Gx Percent Recovery 112 Control Limits 66-129 CB-14-22-011022 01-077-05 ND 5.8 NWTPH-Gx Percent Recovery 110 Control Limits 66-129 CB-14-24.5-011022 01-077-06 ND 6.4 NWTPH-Gx Percent Recovery Percent Recovery 10 Control Limits 66-129 NWTPH-Gx	Result PQL Method Prepared CB-08-19.5-011022 01-077-02 8.3 NWTPH-Gx 1-12-22 ND 8.3 NWTPH-Gx 1-12-22 Percent Recovery 109 66-129 1-12-22 Percent Recovery 109 Control Limits 66-129 1-12-22 CB-14-20-011022 01-077-04 NWTPH-Gx 1-12-22 Percent Recovery 112 Control Limits 66-129 1-12-22 CB-14-22-011022 01-077-05 NWTPH-Gx 1-12-22 Percent Recovery 110 Control Limits 66-129 1-12-22 CB-14-24.5-011022 01-077-06 ND 6.4 NWTPH-Gx 1-12-22 Percent Recovery Percent Recovery Control Limits 1-12-22	Result PQL Method Prepared Analyzed CB-08-19.5-011022 01-077-02 01-077-02 1-12-22 1-12-22 ND 8.3 NWTPH-Gx 1-12-22 1-12-22 Percent Recovery 109 66-129 06-129 01-077-03 0.0 NWTPH-Gx 1-12-22 1-12-22 Percent Recovery 109 66-129 06-129 01-077-04 0.0<

GASOLINE RANGE ORGANICS NWTPH-Gx QUALITY CONTROL

Matrix: Soil

Units: mg/kg (ppm)

Angluto	Result	PQL	Method	Date	Date	Flogo
Analyte METHOD BLANK	Result	PQL	Metriou	Prepared	Analyzed	Flags
WETHOD BLANK						
Laboratory ID:	MB0112S1					
Gasoline	ND	5.0	NWTPH-Gx	1-12-22	1-12-22	
Surrogate:	Percent Recovery	Control Limits				
Fluorobenzene	99	66-129				

Analyte	Res	sult	Spike	Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE										
Laboratory ID:	01-08	34-03								
	ORIG	DUP								
Gasoline	ND	ND	NA	NA		NA	NA	NA	30	
Surrogate:										
Fluorobenzene						96 102	66-129			

VOLATILE ORGANICS EPA 8260D

page 1 of 2

Matrix: Soil Units: mg/kg

Analyte	Result	PQL	Method	Duamanad		
		. ~=	Metriou	Prepared	Analyzed	Flags
Client ID: CB-	08-19.5-011022					
Laboratory ID:	01-077-02					
Dichlorodifluoromethane	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
Chloromethane	ND	0.0058	EPA 8260D	1-12-22	1-12-22	
Vinyl Chloride	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
Bromomethane	ND	0.0058	EPA 8260D	1-12-22	1-12-22	
Chloroethane	ND	0.0058	EPA 8260D	1-12-22	1-12-22	
Trichlorofluoromethane	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
1,1-Dichloroethene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
Acetone	0.15	0.012	EPA 8260D	1-12-22	1-12-22	
Iodomethane	ND	0.0058	EPA 8260D	1-12-22	1-12-22	
Carbon Disulfide	0.0051	0.0012	EPA 8260D	1-12-22	1-12-22	
Methylene Chloride	ND	0.0058	EPA 8260D	1-12-22	1-12-22	
(trans) 1,2-Dichloroethene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
Methyl t-Butyl Ether	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
1,1-Dichloroethane	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
Vinyl Acetate	ND	0.0058	EPA 8260D	1-12-22	1-12-22	
2,2-Dichloropropane	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
(cis) 1,2-Dichloroethene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
2-Butanone	0.028	0.0058	EPA 8260D	1-12-22	1-12-22	
Bromochloromethane	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
Chloroform	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
1,1,1-Trichloroethane	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
Carbon Tetrachloride	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
1,1-Dichloropropene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
Benzene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
1,2-Dichloroethane	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
Trichloroethene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
1,2-Dichloropropane	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
Dibromomethane	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
Bromodichloromethane	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
2-Chloroethyl Vinyl Ether	ND	0.0058	EPA 8260D	1-12-22	1-12-22	
(cis) 1,3-Dichloropropene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
Methyl Isobutyl Ketone	ND	0.0058	EPA 8260D	1-12-22	1-12-22	
Toluene	ND	0.0058	EPA 8260D	1-12-22	1-12-22	
(trans) 1,3-Dichloropropene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	

VOLATILE ORGANICS EPA 8260D

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
	CB-08-19.5-011022	. 42	motriou	Tioparoa	Analyzou	ı iugu
Laboratory ID:	01-077-02					
1,1,2-Trichloroethane	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
Tetrachloroethene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
1,3-Dichloropropane	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
2-Hexanone	ND	0.0058	EPA 8260D	1-12-22	1-12-22	
Dibromochloromethane	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
1,2-Dibromoethane	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
Chlorobenzene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
1,1,1,2-Tetrachloroethane	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
Ethylbenzene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
m,p-Xylene	ND	0.0023	EPA 8260D	1-12-22	1-12-22	
o-Xylene	ND	0.0023	EPA 8260D	1-12-22	1-12-22	
Styrene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
Bromoform	ND	0.0058	EPA 8260D	1-12-22	1-12-22	
Isopropylbenzene	ND	0.0038	EPA 8260D	1-12-22	1-12-22	
Bromobenzene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
1,1,2,2-Tetrachloroethane	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
1,2,3-Trichloropropane	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
n-Propylbenzene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
2-Chlorotoluene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
4-Chlorotoluene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
1,3,5-Trimethylbenzene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
tert-Butylbenzene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
1,2,4-Trimethylbenzene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
sec-Butylbenzene	ND ND	0.0012	EPA 8260D	1-12-22	1-12-22	
1,3-Dichlorobenzene	ND ND	0.0012	EPA 8260D	1-12-22	1-12-22	
	ND ND	0.0012	EPA 8260D	1-12-22	1-12-22	
p-Isopropyltoluene 1,4-Dichlorobenzene	ND ND	0.0012	EPA 8260D	1-12-22	1-12-22	
1,2-Dichlorobenzene	ND ND	0.0012	EPA 8260D	1-12-22	1-12-22	
	ND ND	0.0012	EPA 8260D EPA 8260D	1-12-22 1-12-22	1-12-22	
n-Butylbenzene 1,2-Dibromo-3-chloropropan		0.0012	EPA 8260D EPA 8260D	1-12-22 1-12-22	1-12-22	
1,2,4-Trichlorobenzene	e ND ND	0.0056	EPA 8260D EPA 8260D	1-12-22 1-12-22	1-12-22	
Hexachlorobutadiene	ND ND	0.0012	EPA 8260D EPA 8260D		1-12-22	
				1-12-22		
Naphthalene	ND ND	0.0058	EPA 8260D	1-12-22	1-12-22	
1,2,3-Trichlorobenzene	ND Paraent Reservant	0.0012	EPA 8260D	1-12-22	1-12-22	
Surrogate:	Percent Recovery	Control Limits				
Dibromofluoromethane	101	74-131				
Toluene-d8	104	78-128				

4-Bromofluorobenzene 102 71-130



VOLATILE ORGANICS EPA 8260D

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Matrix: Soil Units: mg/kg

Office. Hig/Ng				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	CB-08-27-011022					
Laboratory ID:	01-077-03					
Dichlorodifluoromethane	ND	0.00097	EPA 8260D	1-12-22	1-12-22	
Chloromethane	ND	0.0048	EPA 8260D	1-12-22	1-12-22	
Vinyl Chloride	ND	0.00097	EPA 8260D	1-12-22	1-12-22	
Bromomethane	ND	0.0048	EPA 8260D	1-12-22	1-12-22	
Chloroethane	ND	0.0048	EPA 8260D	1-12-22	1-12-22	
Trichlorofluoromethane	ND	0.00097	EPA 8260D	1-12-22	1-12-22	
1,1-Dichloroethene	ND	0.00097	EPA 8260D	1-12-22	1-12-22	
Acetone	0.15	0.0097	EPA 8260D	1-12-22	1-12-22	
Iodomethane	ND	0.0048	EPA 8260D	1-12-22	1-12-22	
Carbon Disulfide	ND	0.00097	EPA 8260D	1-12-22	1-12-22	
Methylene Chloride	ND	0.0048	EPA 8260D	1-12-22	1-12-22	
(trans) 1,2-Dichloroethene	ND	0.00097	EPA 8260D	1-12-22	1-12-22	
Methyl t-Butyl Ether	ND	0.00097	EPA 8260D	1-12-22	1-12-22	
1,1-Dichloroethane	ND	0.00097	EPA 8260D	1-12-22	1-12-22	
Vinyl Acetate	ND	0.0048	EPA 8260D	1-12-22	1-12-22	
2,2-Dichloropropane	ND	0.00097	EPA 8260D	1-12-22	1-12-22	
(cis) 1,2-Dichloroethene	ND	0.00097	EPA 8260D	1-12-22	1-12-22	
2-Butanone	0.030	0.0048	EPA 8260D	1-12-22	1-12-22	
Bromochloromethane	ND	0.00097	EPA 8260D	1-12-22	1-12-22	
Chloroform	ND	0.00097	EPA 8260D	1-12-22	1-12-22	
1,1,1-Trichloroethane	ND	0.00097	EPA 8260D	1-12-22	1-12-22	
Carbon Tetrachloride	ND	0.00097	EPA 8260D	1-12-22	1-12-22	
1,1-Dichloropropene	ND	0.00097	EPA 8260D	1-12-22	1-12-22	
Benzene	ND	0.00097	EPA 8260D	1-12-22	1-12-22	
1,2-Dichloroethane	ND	0.00097	EPA 8260D	1-12-22	1-12-22	
Trichloroethene	ND	0.00097	EPA 8260D	1-12-22	1-12-22	
1,2-Dichloropropane	ND	0.00097	EPA 8260D	1-12-22	1-12-22	
Dibromomethane	ND	0.00097	EPA 8260D	1-12-22	1-12-22	
Bromodichloromethane	ND	0.00097	EPA 8260D	1-12-22	1-12-22	
2-Chloroethyl Vinyl Ether	ND	0.0048	EPA 8260D	1-12-22	1-12-22	
(cis) 1,3-Dichloropropene	ND	0.00097	EPA 8260D	1-12-22	1-12-22	
Methyl Isobutyl Ketone	ND	0.0048	EPA 8260D	1-12-22	1-12-22	
Toluene	ND	0.0048	EPA 8260D	1-12-22	1-12-22	
(trans) 1,3-Dichloropropene	ND	0.00097	EPA 8260D	1-12-22	1-12-22	
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VOLATILE ORGANICS EPA 8260D

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				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	CB-08-27-011022					
Laboratory ID:	01-077-03					
1,1,2-Trichloroethane	ND	0.00097	EPA 8260D	1-12-22	1-12-22	
Tetrachloroethene	ND	0.00097	EPA 8260D	1-12-22	1-12-22	
1,3-Dichloropropane	ND	0.00097	EPA 8260D	1-12-22	1-12-22	
2-Hexanone	ND	0.0048	EPA 8260D	1-12-22	1-12-22	
Dibromochloromethane	ND	0.00097	EPA 8260D	1-12-22	1-12-22	
1,2-Dibromoethane	ND	0.00097	EPA 8260D	1-12-22	1-12-22	
Chlorobenzene	ND	0.00097	EPA 8260D	1-12-22	1-12-22	
1,1,1,2-Tetrachloroethane	ND	0.00097	EPA 8260D	1-12-22	1-12-22	
Ethylbenzene	ND	0.00097	EPA 8260D	1-12-22	1-12-22	
m,p-Xylene	ND	0.0019	EPA 8260D	1-12-22	1-12-22	
o-Xylene	ND	0.00097	EPA 8260D	1-12-22	1-12-22	
Styrene	ND	0.00097	EPA 8260D	1-12-22	1-12-22	
Bromoform	ND	0.0048	EPA 8260D	1-12-22	1-12-22	
Isopropylbenzene	ND	0.00097	EPA 8260D	1-12-22	1-12-22	
Bromobenzene	ND	0.00097	EPA 8260D	1-12-22	1-12-22	
1,1,2,2-Tetrachloroethane	ND	0.00097	EPA 8260D	1-12-22	1-12-22	
1,2,3-Trichloropropane	ND	0.00097	EPA 8260D	1-12-22	1-12-22	
n-Propylbenzene	ND	0.00097	EPA 8260D	1-12-22	1-12-22	
2-Chlorotoluene	ND	0.00097	EPA 8260D	1-12-22	1-12-22	
4-Chlorotoluene	ND	0.00097	EPA 8260D	1-12-22	1-12-22	
1,3,5-Trimethylbenzene	ND	0.00097	EPA 8260D	1-12-22	1-12-22	
tert-Butylbenzene	ND	0.00097	EPA 8260D	1-12-22	1-12-22	
1,2,4-Trimethylbenzene	ND	0.00097	EPA 8260D	1-12-22	1-12-22	
sec-Butylbenzene	ND	0.00097	EPA 8260D	1-12-22	1-12-22	
1,3-Dichlorobenzene	ND	0.00097	EPA 8260D	1-12-22	1-12-22	
p-Isopropyltoluene	0.0011	0.00097	EPA 8260D	1-12-22	1-12-22	
1,4-Dichlorobenzene	ND	0.00097	EPA 8260D	1-12-22	1-12-22	
1,2-Dichlorobenzene	ND	0.00097	EPA 8260D	1-12-22	1-12-22	
n-Butylbenzene	ND	0.00097	EPA 8260D	1-12-22	1-12-22	
1,2-Dibromo-3-chloropropane	e ND	0.0048	EPA 8260D	1-12-22	1-12-22	
1,2,4-Trichlorobenzene	ND	0.00097	EPA 8260D	1-12-22	1-12-22	
Hexachlorobutadiene	ND	0.0048	EPA 8260D	1-12-22	1-12-22	
Naphthalene	0.015	0.0048	EPA 8260D	1-12-22	1-12-22	
1,2,3-Trichlorobenzene	ND	0.00097	EPA 8260D	1-12-22	1-12-22	
Surrogate:	Percent Recovery	Control Limits				
Dibromofluoromethane	102	74-131				
Toluene-d8	103	78-128				
4-Bromofluorobenzene	103	71-130				

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Matrix: Soil Units: mg/kg

				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	CB-13-24.5-011022					
Laboratory ID:	01-077-07					
Dichlorodifluoromethane	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
Chloromethane	ND	0.0060	EPA 8260D	1-12-22	1-12-22	
Vinyl Chloride	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
Bromomethane	ND	0.0060	EPA 8260D	1-12-22	1-12-22	
Chloroethane	ND	0.0060	EPA 8260D	1-12-22	1-12-22	
Trichlorofluoromethane	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
1,1-Dichloroethene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
Acetone	0.098	0.012	EPA 8260D	1-12-22	1-12-22	
lodomethane	ND	0.0060	EPA 8260D	1-12-22	1-12-22	
Carbon Disulfide	0.0043	0.0012	EPA 8260D	1-12-22	1-12-22	
Methylene Chloride	ND	0.0060	EPA 8260D	1-12-22	1-12-22	
(trans) 1,2-Dichloroethene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
Methyl t-Butyl Ether	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
1,1-Dichloroethane	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
Vinyl Acetate	ND	0.0060	EPA 8260D	1-12-22	1-12-22	
2,2-Dichloropropane	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
(cis) 1,2-Dichloroethene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
2-Butanone	0.014	0.0060	EPA 8260D	1-12-22	1-12-22	
Bromochloromethane	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
Chloroform	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
1,1,1-Trichloroethane	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
Carbon Tetrachloride	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
1,1-Dichloropropene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
Benzene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
1,2-Dichloroethane	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
Trichloroethene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
1,2-Dichloropropane	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
Dibromomethane	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
Bromodichloromethane	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
2-Chloroethyl Vinyl Ether	ND	0.0060	EPA 8260D	1-12-22	1-12-22	
(cis) 1,3-Dichloropropene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
Methyl Isobutyl Ketone	ND	0.0060	EPA 8260D	1-12-22	1-12-22	
Toluene	ND	0.0060	EPA 8260D	1-12-22	1-12-22	
(trans) 1,3-Dichloropropene	e ND	0.0012	EPA 8260D	1-12-22	1-12-22	

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Analyto	Result	PQL	Method	Date Propaged	Date	Elage
Analyte Client ID:	CB-13-24.5-011022	PQL	Wethou	Prepared	Analyzed	Flags
_aboratory ID:	01-077-07	0.0012	EDA 9260D	1-12-22	1-12-22	
1,1,2-Trichloroethane	ND ND	0.0012	EPA 8260D	1-12-22 1-12-22		
Tetrachloroethene	ND ND		EPA 8260D	1-12-22 1-12-22	1-12-22	
1,3-Dichloropropane		0.0012	EPA 8260D		1-12-22	
2-Hexanone	ND ND	0.0060	EPA 8260D	1-12-22	1-12-22	
Dibromochloromethane		0.0012	EPA 8260D	1-12-22	1-12-22	
1,2-Dibromoethane	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
Chlorobenzene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
1,1,1,2-Tetrachloroethane	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
Ethylbenzene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
n,p-Xylene	ND	0.0024	EPA 8260D	1-12-22	1-12-22	
o-Xylene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
Styrene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
Bromoform 	ND	0.0060	EPA 8260D	1-12-22	1-12-22	
sopropylbenzene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
Bromobenzene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
1,1,2,2-Tetrachloroethane	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
1,2,3-Trichloropropane	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
n-Propylbenzene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
2-Chlorotoluene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
1-Chlorotoluene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
1,3,5-Trimethylbenzene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
ert-Butylbenzene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
1,2,4-Trimethylbenzene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
sec-Butylbenzene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
1,3-Dichlorobenzene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
o-Isopropyltoluene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
4-Dichlorobenzene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
1,2-Dichlorobenzene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
n-Butylbenzene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
1,2-Dibromo-3-chloropropan	e ND	0.0060	EPA 8260D	1-12-22	1-12-22	
1,2,4-Trichlorobenzene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
Hexachlorobutadiene	ND	0.0060	EPA 8260D	1-12-22	1-12-22	
Naphthalene	ND	0.0060	EPA 8260D	1-12-22	1-12-22	
1,2,3-Trichlorobenzene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
Surrogate:	Percent Recovery	Control Limits				
Dibromofluoromethane	103	74-131				
Toluene-d8	100	78-128				
4-Bromofluorobenzene	99	71-130				

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Matrix: Soil Units: mg/kg

				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	CB-06-24-011122					
Laboratory ID:	01-077-08					
Dichlorodifluoromethane	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
Chloromethane	ND	0.0059	EPA 8260D	1-12-22	1-12-22	
Vinyl Chloride	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
Bromomethane	ND	0.0059	EPA 8260D	1-12-22	1-12-22	
Chloroethane	ND	0.0059	EPA 8260D	1-12-22	1-12-22	
Trichlorofluoromethane	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
1,1-Dichloroethene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
Acetone	0.21	0.012	EPA 8260D	1-12-22	1-12-22	
lodomethane	ND	0.0059	EPA 8260D	1-12-22	1-12-22	
Carbon Disulfide	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
Methylene Chloride	ND	0.0059	EPA 8260D	1-12-22	1-12-22	
(trans) 1,2-Dichloroethene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
Methyl t-Butyl Ether	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
1,1-Dichloroethane	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
Vinyl Acetate	ND	0.0059	EPA 8260D	1-12-22	1-12-22	
2,2-Dichloropropane	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
(cis) 1,2-Dichloroethene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
2-Butanone	0.038	0.0059	EPA 8260D	1-12-22	1-12-22	
Bromochloromethane	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
Chloroform	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
1,1,1-Trichloroethane	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
Carbon Tetrachloride	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
1,1-Dichloropropene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
Benzene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
1,2-Dichloroethane	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
Trichloroethene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
1,2-Dichloropropane	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
Dibromomethane	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
Bromodichloromethane	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
2-Chloroethyl Vinyl Ether	ND	0.0059	EPA 8260D	1-12-22	1-12-22	
(cis) 1,3-Dichloropropene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
Methyl Isobutyl Ketone	ND	0.0059	EPA 8260D	1-12-22	1-12-22	
Toluene	ND	0.0059	EPA 8260D	1-12-22	1-12-22	
(trans) 1,3-Dichloropropene		0.0012	EPA 8260D	1-12-22	1-12-22	

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				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	CB-06-24-011122					
Laboratory ID:	01-077-08					
1,1,2-Trichloroethane	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
Tetrachloroethene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
1,3-Dichloropropane	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
2-Hexanone	ND	0.0059	EPA 8260D	1-12-22	1-12-22	
Dibromochloromethane	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
1,2-Dibromoethane	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
Chlorobenzene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
1,1,1,2-Tetrachloroethane	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
Ethylbenzene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
m,p-Xylene	ND	0.0023	EPA 8260D	1-12-22	1-12-22	
o-Xylene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
Styrene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
Bromoform	ND	0.0059	EPA 8260D	1-12-22	1-12-22	
Isopropylbenzene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
Bromobenzene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
1,1,2,2-Tetrachloroethane	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
1,2,3-Trichloropropane	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
n-Propylbenzene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
2-Chlorotoluene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
4-Chlorotoluene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
1,3,5-Trimethylbenzene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
tert-Butylbenzene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
1,2,4-Trimethylbenzene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
sec-Butylbenzene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
1,3-Dichlorobenzene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
p-Isopropyltoluene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
1,4-Dichlorobenzene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
1,2-Dichlorobenzene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
n-Butylbenzene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
1,2-Dibromo-3-chloropropane	e ND	0.0059	EPA 8260D	1-12-22	1-12-22	
1,2,4-Trichlorobenzene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
Hexachlorobutadiene	ND	0.0059	EPA 8260D	1-12-22	1-12-22	
Naphthalene	0.037	0.0059	EPA 8260D	1-12-22	1-12-22	
1,2,3-Trichlorobenzene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
Surrogate:	Percent Recovery	Control Limits				
Dibromofluoromethane	103	74-131				
Toluene-d8	102	78-128				
4-Bromofluorobenzene	96	71-130				

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Matrix: Soil Units: mg/kg

				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	CB-07-15.5-011122					
Laboratory ID:	01-077-09					
Dichlorodifluoromethane	ND	0.0011	EPA 8260D	1-12-22	1-12-22	
Chloromethane	ND	0.0053	EPA 8260D	1-12-22	1-12-22	
Vinyl Chloride	ND	0.0011	EPA 8260D	1-12-22	1-12-22	
Bromomethane	ND	0.0053	EPA 8260D	1-12-22	1-12-22	
Chloroethane	ND	0.0053	EPA 8260D	1-12-22	1-12-22	
Trichlorofluoromethane	ND	0.0011	EPA 8260D	1-12-22	1-12-22	
1,1-Dichloroethene	ND	0.0011	EPA 8260D	1-12-22	1-12-22	
Acetone	0.49	0.011	EPA 8260D	1-12-22	1-12-22	
lodomethane	ND	0.0053	EPA 8260D	1-12-22	1-12-22	
Carbon Disulfide	ND	0.0011	EPA 8260D	1-12-22	1-12-22	
Methylene Chloride	ND	0.0053	EPA 8260D	1-12-22	1-12-22	
(trans) 1,2-Dichloroethene	ND	0.0011	EPA 8260D	1-12-22	1-12-22	
Methyl t-Butyl Ether	ND	0.0011	EPA 8260D	1-12-22	1-12-22	
1,1-Dichloroethane	ND	0.0011	EPA 8260D	1-12-22	1-12-22	
Vinyl Acetate	ND	0.0053	EPA 8260D	1-12-22	1-12-22	
2,2-Dichloropropane	ND	0.0011	EPA 8260D	1-12-22	1-12-22	
(cis) 1,2-Dichloroethene	ND	0.0011	EPA 8260D	1-12-22	1-12-22	
2-Butanone	0.056	0.0053	EPA 8260D	1-12-22	1-12-22	
Bromochloromethane	ND	0.0011	EPA 8260D	1-12-22	1-12-22	
Chloroform	ND	0.0011	EPA 8260D	1-12-22	1-12-22	
1,1,1-Trichloroethane	ND	0.0011	EPA 8260D	1-12-22	1-12-22	
Carbon Tetrachloride	ND	0.0011	EPA 8260D	1-12-22	1-12-22	
1,1-Dichloropropene	ND	0.0011	EPA 8260D	1-12-22	1-12-22	
Benzene	ND	0.0011	EPA 8260D	1-12-22	1-12-22	
1,2-Dichloroethane	ND	0.0011	EPA 8260D	1-12-22	1-12-22	
Trichloroethene	ND	0.0011	EPA 8260D	1-12-22	1-12-22	
1,2-Dichloropropane	ND	0.0011	EPA 8260D	1-12-22	1-12-22	
Dibromomethane	ND	0.0011	EPA 8260D	1-12-22	1-12-22	
Bromodichloromethane	ND	0.0011	EPA 8260D	1-12-22	1-12-22	
2-Chloroethyl Vinyl Ether	ND	0.0053	EPA 8260D	1-12-22	1-12-22	
(cis) 1,3-Dichloropropene	ND	0.0011	EPA 8260D	1-12-22	1-12-22	
Methyl Isobutyl Ketone	ND	0.0053	EPA 8260D	1-12-22	1-12-22	
Toluene	ND	0.0053	EPA 8260D	1-12-22	1-12-22	
(trans) 1,3-Dichloropropene	e ND	0.0011	EPA 8260D	1-12-22	1-12-22	

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				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	CB-07-15.5-011122					
Laboratory ID:	01-077-09					
1,1,2-Trichloroethane	ND	0.0011	EPA 8260D	1-12-22	1-12-22	
Tetrachloroethene	0.014	0.0011	EPA 8260D	1-12-22	1-12-22	
1,3-Dichloropropane	ND	0.0011	EPA 8260D	1-12-22	1-12-22	
2-Hexanone	ND	0.0053	EPA 8260D	1-12-22	1-12-22	
Dibromochloromethane	ND	0.0011	EPA 8260D	1-12-22	1-12-22	
1,2-Dibromoethane	ND	0.0011	EPA 8260D	1-12-22	1-12-22	
Chlorobenzene	ND	0.0011	EPA 8260D	1-12-22	1-12-22	
1,1,1,2-Tetrachloroethane	ND	0.0011	EPA 8260D	1-12-22	1-12-22	
Ethylbenzene	ND	0.0011	EPA 8260D	1-12-22	1-12-22	
m,p-Xylene	ND	0.0021	EPA 8260D	1-12-22	1-12-22	
o-Xylene	ND	0.0011	EPA 8260D	1-12-22	1-12-22	
Styrene	ND	0.0011	EPA 8260D	1-12-22	1-12-22	
Bromoform	ND	0.0053	EPA 8260D	1-12-22	1-12-22	
Isopropylbenzene	ND	0.0011	EPA 8260D	1-12-22	1-12-22	
Bromobenzene	ND	0.0011	EPA 8260D	1-12-22	1-12-22	
1,1,2,2-Tetrachloroethane	ND	0.0011	EPA 8260D	1-12-22	1-12-22	
1,2,3-Trichloropropane	ND	0.0011	EPA 8260D	1-12-22	1-12-22	
n-Propylbenzene	ND	0.0011	EPA 8260D	1-12-22	1-12-22	
2-Chlorotoluene	ND	0.0011	EPA 8260D	1-12-22	1-12-22	
4-Chlorotoluene	ND	0.0011	EPA 8260D	1-12-22	1-12-22	
1,3,5-Trimethylbenzene	ND	0.0011	EPA 8260D	1-12-22	1-12-22	
ert-Butylbenzene	ND	0.0011	EPA 8260D	1-12-22	1-12-22	
1,2,4-Trimethylbenzene	ND	0.0011	EPA 8260D	1-12-22	1-12-22	
sec-Butylbenzene	ND	0.0011	EPA 8260D	1-12-22	1-12-22	
1,3-Dichlorobenzene	ND	0.0011	EPA 8260D	1-12-22	1-12-22	
o-Isopropyltoluene	ND	0.0011	EPA 8260D	1-12-22	1-12-22	
1,4-Dichlorobenzene	ND	0.0011	EPA 8260D	1-12-22	1-12-22	
1,2-Dichlorobenzene	ND	0.0011	EPA 8260D	1-12-22	1-12-22	
n-Butylbenzene	ND	0.0011	EPA 8260D	1-12-22	1-12-22	
1,2-Dibromo-3-chloropropan	e ND	0.0053	EPA 8260D	1-12-22	1-12-22	
1,2,4-Trichlorobenzene	ND	0.0011	EPA 8260D	1-12-22	1-12-22	
Hexachlorobutadiene	ND	0.0053	EPA 8260D	1-12-22	1-12-22	
Naphthalene	0.042	0.0053	EPA 8260D	1-12-22	1-12-22	
1,2,3-Trichlorobenzene	ND	0.0011	EPA 8260D	1-12-22	1-12-22	
Surrogate:	Percent Recovery	Control Limits				
Dibromofluoromethane	105	74-131				
Toluene-d8	102	78-128				
	.02	. 5 , 25				

4-Bromofluorobenzene 98 71-130

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Matrix: Soil Units: mg/kg

Office. Hig/Ng				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	CB-07-19-011122					
Laboratory ID:	01-077-10					
Dichlorodifluoromethane	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
Chloromethane	ND	0.0060	EPA 8260D	1-12-22	1-12-22	
Vinyl Chloride	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
Bromomethane	ND	0.0060	EPA 8260D	1-12-22	1-12-22	
Chloroethane	ND	0.0060	EPA 8260D	1-12-22	1-12-22	
Trichlorofluoromethane	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
1,1-Dichloroethene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
Acetone	0.31	0.012	EPA 8260D	1-12-22	1-12-22	
lodomethane	ND	0.0060	EPA 8260D	1-12-22	1-12-22	
Carbon Disulfide	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
Methylene Chloride	ND	0.0060	EPA 8260D	1-12-22	1-12-22	
(trans) 1,2-Dichloroethene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
Methyl t-Butyl Ether	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
1,1-Dichloroethane	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
Vinyl Acetate	ND	0.0060	EPA 8260D	1-12-22	1-12-22	
2,2-Dichloropropane	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
(cis) 1,2-Dichloroethene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
2-Butanone	0.050	0.0060	EPA 8260D	1-12-22	1-12-22	
Bromochloromethane	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
Chloroform	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
1,1,1-Trichloroethane	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
Carbon Tetrachloride	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
1,1-Dichloropropene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
Benzene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
1,2-Dichloroethane	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
Trichloroethene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
1,2-Dichloropropane	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
Dibromomethane	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
Bromodichloromethane	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
2-Chloroethyl Vinyl Ether	ND	0.0060	EPA 8260D	1-12-22	1-12-22	
(cis) 1,3-Dichloropropene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
Methyl Isobutyl Ketone	ND	0.0060	EPA 8260D	1-12-22	1-12-22	
Toluene	ND	0.0060	EPA 8260D	1-12-22	1-12-22	
(trans) 1,3-Dichloropropene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	

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				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	CB-07-19-011122					
Laboratory ID:	01-077-10					
1,1,2-Trichloroethane	ND	0.0012	EPA 8260D	1-12-22	1-12-22	_
Tetrachloroethene	0.0013	0.0012	EPA 8260D	1-12-22	1-12-22	
1,3-Dichloropropane	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
2-Hexanone	ND	0.0060	EPA 8260D	1-12-22	1-12-22	
Dibromochloromethane	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
1,2-Dibromoethane	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
Chlorobenzene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
1,1,1,2-Tetrachloroethane	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
Ethylbenzene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
m,p-Xylene	ND	0.0024	EPA 8260D	1-12-22	1-12-22	
o-Xylene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
Styrene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
Bromoform	ND	0.0060	EPA 8260D	1-12-22	1-12-22	
Isopropylbenzene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
Bromobenzene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
1,1,2,2-Tetrachloroethane	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
1,2,3-Trichloropropane	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
n-Propylbenzene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
2-Chlorotoluene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
4-Chlorotoluene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
1,3,5-Trimethylbenzene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
tert-Butylbenzene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
1,2,4-Trimethylbenzene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
sec-Butylbenzene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
1,3-Dichlorobenzene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
p-Isopropyltoluene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
1,4-Dichlorobenzene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
1,2-Dichlorobenzene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
n-Butylbenzene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
1,2-Dibromo-3-chloropropane	e ND	0.0060	EPA 8260D	1-12-22	1-12-22	
1,2,4-Trichlorobenzene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
Hexachlorobutadiene	ND	0.0060	EPA 8260D	1-12-22	1-12-22	
Naphthalene	0.12	0.0060	EPA 8260D	1-12-22	1-12-22	
1,2,3-Trichlorobenzene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
Surrogate:	Percent Recovery	Control Limits				
Dibromofluoromethane	105	74-131				
Toluene-d8	103	78-128				
4-Bromofluorobenzene	100	71-130				

VOLATILE ORGANICS EPA 8260D

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Matrix: Soil Units: mg/kg

3 0				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	CB-07-26.5-011122					
Laboratory ID:	01-077-11					
Dichlorodifluoromethane	ND	0.00097	EPA 8260D	1-12-22	1-12-22	
Chloromethane	ND	0.0048	EPA 8260D	1-12-22	1-12-22	
Vinyl Chloride	ND	0.00097	EPA 8260D	1-12-22	1-12-22	
Bromomethane	ND	0.0048	EPA 8260D	1-12-22	1-12-22	
Chloroethane	ND	0.0048	EPA 8260D	1-12-22	1-12-22	
Trichlorofluoromethane	ND	0.00097	EPA 8260D	1-12-22	1-12-22	
1,1-Dichloroethene	ND	0.00097	EPA 8260D	1-12-22	1-12-22	
Acetone	1.4	0.47	EPA 8260D	1-13-22	1-13-22	
lodomethane	ND	0.0048	EPA 8260D	1-12-22	1-12-22	
Carbon Disulfide	0.0029	0.00097	EPA 8260D	1-12-22	1-12-22	
Methylene Chloride	ND	0.0048	EPA 8260D	1-12-22	1-12-22	
(trans) 1,2-Dichloroethene	ND	0.00097	EPA 8260D	1-12-22	1-12-22	
Methyl t-Butyl Ether	ND	0.00097	EPA 8260D	1-12-22	1-12-22	
1,1-Dichloroethane	ND	0.00097	EPA 8260D	1-12-22	1-12-22	
Vinyl Acetate	ND	0.0048	EPA 8260D	1-12-22	1-12-22	
2,2-Dichloropropane	ND	0.00097	EPA 8260D	1-12-22	1-12-22	
(cis) 1,2-Dichloroethene	0.0023	0.00097	EPA 8260D	1-12-22	1-12-22	
2-Butanone	0.12	0.0048	EPA 8260D	1-12-22	1-12-22	
Bromochloromethane	ND	0.00097	EPA 8260D	1-12-22	1-12-22	
Chloroform	ND	0.00097	EPA 8260D	1-12-22	1-12-22	
1,1,1-Trichloroethane	ND	0.00097	EPA 8260D	1-12-22	1-12-22	
Carbon Tetrachloride	ND	0.00097	EPA 8260D	1-12-22	1-12-22	
1,1-Dichloropropene	ND	0.00097	EPA 8260D	1-12-22	1-12-22	
Benzene	ND	0.00097	EPA 8260D	1-12-22	1-12-22	
1,2-Dichloroethane	ND	0.00097	EPA 8260D	1-12-22	1-12-22	
Trichloroethene	ND	0.00097	EPA 8260D	1-12-22	1-12-22	
1,2-Dichloropropane	ND	0.00097	EPA 8260D	1-12-22	1-12-22	
Dibromomethane	ND	0.00097	EPA 8260D	1-12-22	1-12-22	
Bromodichloromethane	ND	0.00097	EPA 8260D	1-12-22	1-12-22	
2-Chloroethyl Vinyl Ether	ND	0.0048	EPA 8260D	1-12-22	1-12-22	
(cis) 1,3-Dichloropropene	ND	0.00097	EPA 8260D	1-12-22	1-12-22	
Methyl Isobutyl Ketone	ND	0.0048	EPA 8260D	1-12-22	1-12-22	
Toluene	ND	0.0048	EPA 8260D	1-12-22	1-12-22	
(trans) 1,3-Dichloropropend	e ND	0.00097	EPA 8260D	1-12-22	1-12-22	

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				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
	CB-07-26.5-011122					
Laboratory ID:	01-077-11					
1,1,2-Trichloroethane	ND	0.00097	EPA 8260D	1-12-22	1-12-22	
Tetrachloroethene	0.0016	0.00097	EPA 8260D	1-12-22	1-12-22	
1,3-Dichloropropane	ND	0.00097	EPA 8260D	1-12-22	1-12-22	
2-Hexanone	ND	0.0048	EPA 8260D	1-12-22	1-12-22	
Dibromochloromethane	ND	0.00097	EPA 8260D	1-12-22	1-12-22	
1,2-Dibromoethane	ND	0.00097	EPA 8260D	1-12-22	1-12-22	
Chlorobenzene	ND	0.00097	EPA 8260D	1-12-22	1-12-22	
1,1,1,2-Tetrachloroethane	ND	0.00097	EPA 8260D	1-12-22	1-12-22	
Ethylbenzene	ND	0.00097	EPA 8260D	1-12-22	1-12-22	
m,p-Xylene	ND	0.0019	EPA 8260D	1-12-22	1-12-22	
o-Xylene	ND	0.00097	EPA 8260D	1-12-22	1-12-22	
Styrene	ND	0.00097	EPA 8260D	1-12-22	1-12-22	
Bromoform	ND	0.0048	EPA 8260D	1-12-22	1-12-22	
Isopropylbenzene	ND	0.00097	EPA 8260D	1-12-22	1-12-22	
Bromobenzene	ND	0.00097	EPA 8260D	1-12-22	1-12-22	
1,1,2,2-Tetrachloroethane	ND	0.00097	EPA 8260D	1-12-22	1-12-22	
1,2,3-Trichloropropane	ND	0.00097	EPA 8260D	1-12-22	1-12-22	
n-Propylbenzene	ND	0.00097	EPA 8260D	1-12-22	1-12-22	
2-Chlorotoluene	ND	0.00097	EPA 8260D	1-12-22	1-12-22	
1-Chlorotoluene	ND	0.00097	EPA 8260D	1-12-22	1-12-22	
1,3,5-Trimethylbenzene	ND	0.00097	EPA 8260D	1-12-22	1-12-22	
ert-Butylbenzene	ND	0.00097	EPA 8260D	1-12-22	1-12-22	
1,2,4-Trimethylbenzene	0.0012	0.00097	EPA 8260D	1-12-22	1-12-22	
sec-Butylbenzene	ND	0.00097	EPA 8260D	1-12-22	1-12-22	
1,3-Dichlorobenzene	ND	0.00097	EPA 8260D	1-12-22	1-12-22	
o-Isopropyltoluene	0.0050	0.00097	EPA 8260D	1-12-22	1-12-22	
1,4-Dichlorobenzene	ND	0.00097	EPA 8260D	1-12-22	1-12-22	
1,2-Dichlorobenzene	ND	0.00097	EPA 8260D	1-12-22	1-12-22	
n-Butylbenzene	ND	0.00097	EPA 8260D	1-12-22	1-12-22	
1,2-Dibromo-3-chloropropan		0.0048	EPA 8260D	1-12-22	1-12-22	
1,2,4-Trichlorobenzene	ND	0.00097	EPA 8260D	1-12-22	1-12-22	
Hexachlorobutadiene	ND	0.0048	EPA 8260D	1-12-22	1-12-22	
Naphthalene	0.0094	0.0048	EPA 8260D	1-12-22	1-12-22	
1,2,3-Trichlorobenzene	0.009 4 ND	0.00097	EPA 8260D	1-12-22	1-12-22	
			LI A 0200D	1-12-22	1-14-44	
Surrogate:	Percent Recovery	Control Limits				
Dibromofluoromethane	106	74-131				
Toluene-d8	101	78-128				

4-Bromofluorobenzene

71-130

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Matrix: Soil Units: mg/kg

Offits. Hig/kg				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0112S1					
Dichlorodifluoromethane	ND	0.0010	EPA 8260D	1-12-22	1-12-22	
Chloromethane	ND	0.0050	EPA 8260D	1-12-22	1-12-22	
Vinyl Chloride	ND	0.0010	EPA 8260D	1-12-22	1-12-22	
Bromomethane	ND	0.0050	EPA 8260D	1-12-22	1-12-22	
Chloroethane	ND	0.0050	EPA 8260D	1-12-22	1-12-22	
Trichlorofluoromethane	ND	0.0010	EPA 8260D	1-12-22	1-12-22	
1,1-Dichloroethene	ND	0.0010	EPA 8260D	1-12-22	1-12-22	
Acetone	ND	0.010	EPA 8260D	1-12-22	1-12-22	
lodomethane	ND	0.0050	EPA 8260D	1-12-22	1-12-22	
Carbon Disulfide	ND	0.0010	EPA 8260D	1-12-22	1-12-22	
Methylene Chloride	ND	0.0050	EPA 8260D	1-12-22	1-12-22	
(trans) 1,2-Dichloroethene	ND	0.0010	EPA 8260D	1-12-22	1-12-22	
Methyl t-Butyl Ether	ND	0.0010	EPA 8260D	1-12-22	1-12-22	
1,1-Dichloroethane	ND	0.0010	EPA 8260D	1-12-22	1-12-22	
Vinyl Acetate	ND	0.0050	EPA 8260D	1-12-22	1-12-22	
2,2-Dichloropropane	ND	0.0010	EPA 8260D	1-12-22	1-12-22	
(cis) 1,2-Dichloroethene	ND	0.0010	EPA 8260D	1-12-22	1-12-22	
2-Butanone	ND	0.0050	EPA 8260D	1-12-22	1-12-22	
Bromochloromethane	ND	0.0010	EPA 8260D	1-12-22	1-12-22	
Chloroform	ND	0.0010	EPA 8260D	1-12-22	1-12-22	
1,1,1-Trichloroethane	ND	0.0010	EPA 8260D	1-12-22	1-12-22	
Carbon Tetrachloride	ND	0.0010	EPA 8260D	1-12-22	1-12-22	
1,1-Dichloropropene	ND	0.0010	EPA 8260D	1-12-22	1-12-22	
Benzene	ND	0.0010	EPA 8260D	1-12-22	1-12-22	
1,2-Dichloroethane	ND	0.0010	EPA 8260D	1-12-22	1-12-22	
Trichloroethene	ND	0.0010	EPA 8260D	1-12-22	1-12-22	
1,2-Dichloropropane	ND	0.0010	EPA 8260D	1-12-22	1-12-22	
Dibromomethane	ND	0.0010	EPA 8260D	1-12-22	1-12-22	
Bromodichloromethane	ND	0.0010	EPA 8260D	1-12-22	1-12-22	
2-Chloroethyl Vinyl Ether	ND	0.0050	EPA 8260D	1-12-22	1-12-22	
(cis) 1,3-Dichloropropene	ND	0.0010	EPA 8260D	1-12-22	1-12-22	
Methyl Isobutyl Ketone	ND	0.0050	EPA 8260D	1-12-22	1-12-22	
Toluene	ND	0.0050	EPA 8260D	1-12-22	1-12-22	
(trans) 1,3-Dichloropropene	ND	0.0010	EPA 8260D	1-12-22	1-12-22	

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VOLATILE ORGANICS EPA 8260D QUALITY CONTROL

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				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0112S1					
1,1,2-Trichloroethane	ND	0.0010	EPA 8260D	1-12-22	1-12-22	
Tetrachloroethene	ND	0.0010	EPA 8260D	1-12-22	1-12-22	
1,3-Dichloropropane	ND	0.0010	EPA 8260D	1-12-22	1-12-22	
2-Hexanone	ND	0.0050	EPA 8260D	1-12-22	1-12-22	
Dibromochloromethane	ND	0.0010	EPA 8260D	1-12-22	1-12-22	
1,2-Dibromoethane	ND	0.0010	EPA 8260D	1-12-22	1-12-22	
Chlorobenzene	ND	0.0010	EPA 8260D	1-12-22	1-12-22	
1,1,1,2-Tetrachloroethane	ND	0.0010	EPA 8260D	1-12-22	1-12-22	
Ethylbenzene	ND	0.0010	EPA 8260D	1-12-22	1-12-22	
m,p-Xylene	ND	0.0020	EPA 8260D	1-12-22	1-12-22	
o-Xylene	ND	0.0010	EPA 8260D	1-12-22	1-12-22	
Styrene	ND	0.0010	EPA 8260D	1-12-22	1-12-22	
Bromoform	ND	0.0050	EPA 8260D	1-12-22	1-12-22	
Isopropylbenzene	ND	0.0010	EPA 8260D	1-12-22	1-12-22	
Bromobenzene	ND	0.0010	EPA 8260D	1-12-22	1-12-22	
1,1,2,2-Tetrachloroethane	ND	0.0010	EPA 8260D	1-12-22	1-12-22	
1,2,3-Trichloropropane	ND	0.0010	EPA 8260D	1-12-22	1-12-22	
n-Propylbenzene	ND	0.0010	EPA 8260D	1-12-22	1-12-22	
2-Chlorotoluene	ND	0.0010	EPA 8260D	1-12-22	1-12-22	
4-Chlorotoluene	ND	0.0010	EPA 8260D	1-12-22	1-12-22	
1,3,5-Trimethylbenzene	ND	0.0010	EPA 8260D	1-12-22	1-12-22	
tert-Butylbenzene	ND	0.0010	EPA 8260D	1-12-22	1-12-22	
1,2,4-Trimethylbenzene	ND	0.0010	EPA 8260D	1-12-22	1-12-22	
sec-Butylbenzene	ND	0.0010	EPA 8260D	1-12-22	1-12-22	
1,3-Dichlorobenzene	ND	0.0010	EPA 8260D	1-12-22	1-12-22	
p-Isopropyltoluene	ND	0.0010	EPA 8260D	1-12-22	1-12-22	
1,4-Dichlorobenzene	ND	0.0010	EPA 8260D	1-12-22	1-12-22	
1,2-Dichlorobenzene	ND	0.0010	EPA 8260D	1-12-22	1-12-22	
n-Butylbenzene	ND	0.0010	EPA 8260D	1-12-22	1-12-22	
1,2-Dibromo-3-chloropropane	ND	0.0050	EPA 8260D	1-12-22	1-12-22	
1,2,4-Trichlorobenzene	ND	0.0010	EPA 8260D	1-12-22	1-12-22	
Hexachlorobutadiene	ND	0.0050	EPA 8260D	1-12-22	1-12-22	
Naphthalene	ND	0.0050	EPA 8260D	1-12-22	1-12-22	
1,2,3-Trichlorobenzene	ND	0.0010	EPA 8260D	1-12-22	1-12-22	
Surrogate:	Percent Recovery	Control Limits				
Dibromofluoromethane	104	74-131				
Toluene-d8	103	78-128				
4-Bromofluorobenzene	104	71-130				

VOLATILE ORGANICS EPA 8260D QUALITY CONTROL

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Matrix: Soil Units: mg/kg

Offits. mg/kg				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0113S1					
Dichlorodifluoromethane	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
Chloromethane	ND	0.0050	EPA 8260D	1-13-22	1-13-22	
Vinyl Chloride	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
Bromomethane	ND	0.0050	EPA 8260D	1-13-22	1-13-22	
Chloroethane	ND	0.0050	EPA 8260D	1-13-22	1-13-22	
Trichlorofluoromethane	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
1,1-Dichloroethene	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
Acetone	ND	0.010	EPA 8260D	1-13-22	1-13-22	
lodomethane	ND	0.0069	EPA 8260D	1-13-22	1-13-22	
Carbon Disulfide	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
Methylene Chloride	ND	0.0050	EPA 8260D	1-13-22	1-13-22	
(trans) 1,2-Dichloroethene	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
Methyl t-Butyl Ether	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
1,1-Dichloroethane	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
Vinyl Acetate	ND	0.0050	EPA 8260D	1-13-22	1-13-22	
2,2-Dichloropropane	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
(cis) 1,2-Dichloroethene	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
2-Butanone	ND	0.0050	EPA 8260D	1-13-22	1-13-22	
Bromochloromethane	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
Chloroform	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
1,1,1-Trichloroethane	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
Carbon Tetrachloride	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
1,1-Dichloropropene	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
Benzene	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
1,2-Dichloroethane	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
Trichloroethene	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
1,2-Dichloropropane	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
Dibromomethane	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
Bromodichloromethane	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
2-Chloroethyl Vinyl Ether	ND	0.0050	EPA 8260D	1-13-22	1-13-22	
(cis) 1,3-Dichloropropene	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
Methyl Isobutyl Ketone	ND	0.0050	EPA 8260D	1-13-22	1-13-22	
Toluene	ND	0.0050	EPA 8260D	1-13-22	1-13-22	
(trans) 1,3-Dichloropropene	ND	0.0010	EPA 8260D	1-13-22	1-13-22	

VOLATILE ORGANICS EPA 8260D QUALITY CONTROL

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				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0113S1					
1,1,2-Trichloroethane	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
Tetrachloroethene	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
1,3-Dichloropropane	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
2-Hexanone	ND	0.0050	EPA 8260D	1-13-22	1-13-22	
Dibromochloromethane	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
1,2-Dibromoethane	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
Chlorobenzene	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
1,1,1,2-Tetrachloroethane	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
Ethylbenzene	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
m,p-Xylene	ND	0.0020	EPA 8260D	1-13-22	1-13-22	
o-Xylene	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
Styrene	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
Bromoform	ND	0.0050	EPA 8260D	1-13-22	1-13-22	
Isopropylbenzene	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
Bromobenzene	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
1,1,2,2-Tetrachloroethane	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
1,2,3-Trichloropropane	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
n-Propylbenzene	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
2-Chlorotoluene	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
4-Chlorotoluene	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
1,3,5-Trimethylbenzene	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
tert-Butylbenzene	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
1,2,4-Trimethylbenzene	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
sec-Butylbenzene	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
1,3-Dichlorobenzene	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
p-Isopropyltoluene	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
1,4-Dichlorobenzene	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
1,2-Dichlorobenzene	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
n-Butylbenzene	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
1,2-Dibromo-3-chloropropane	ND	0.0050	EPA 8260D	1-13-22	1-13-22	
1,2,4-Trichlorobenzene	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
Hexachlorobutadiene	ND	0.0050	EPA 8260D	1-13-22	1-13-22	
Naphthalene	ND	0.0050	EPA 8260D	1-13-22	1-13-22	
1,2,3-Trichlorobenzene	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
Surrogate:	Percent Recovery	Control Limits				
Dibromofluoromethane	102	74-131				
Toluene-d8	101	78-128				
4-Bromofluorobenzene	102	71-130				

VOLATILE ORGANICS EPA 8260D QUALITY CONTROL

Matrix: Soil Units: mg/kg

					Per	cent	Recovery		RPD	
Analyte	Res	sult	Spike	Level	Rec	overy	Limits	RPD	Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB01	12S1								
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	0.0499	0.0503	0.0500	0.0500	100	101	71-131	1	19	
Benzene	0.0495	0.0511	0.0500	0.0500	99	102	73-124	3	18	
Trichloroethene	0.0511	0.0523	0.0500	0.0500	102	105	79-130	2	18	
Toluene	0.0496	0.0503	0.0500	0.0500	99	101	76-123	1	18	
Chlorobenzene	0.0484	0.0490	0.0500	0.0500	97	98	78-122	1	18	
Surrogate:										
Dibromofluoromethane					105	105	74-131			
Toluene-d8					103	103	78-128			
4-Bromofluorobenzene					105	103	71-130			
Laboratory ID:	SB01	13S1								
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	0.0520	0.0528	0.0500	0.0500	104	106	71-131	2	19	
Benzene	0.0511	0.0533	0.0500	0.0500	102	107	73-124	4	18	
Trichloroethene	0.0530	0.0551	0.0500	0.0500	106	110	79-130	4	18	
Toluene	0.0505	0.0512	0.0500	0.0500	101	102	76-123	1	18	
Chlorobenzene	0.0496	0.0508	0.0500	0.0500	99	102	78-122	2	18	
Surrogate:										
Dibromofluoromethane					101	104	74-131			
Toluene-d8					102	102	78-128			
4-Bromofluorobenzene					108	107	71-130			

% MOISTURE

Client ID	Lab ID	% Moisture	Date Analyzed
CB-08-19.5-011022	01-077-02	26	1-12-22
CB-08-27-011022	01-077-03	12	1-12-22
CB-14-20-011022	01-077-04	15	1-12-22
CB-14-22-011022	01-077-05	13	1-12-22
CB-14-24.5-011022	01-077-06	21	1-12-22
CB-13-24.5-011022	01-077-07	13	1-12-22
CB-06-24-011122	01-077-08	24	1-12-22
CB-07-15.5-011122	01-077-09	21	1-12-22
CB-07-19-011122	01-077-10	17	1-12-22
CB-07-26.5-011122	01-077-11	11	1-12-22



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.
- 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

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Chain of Custody

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January 14, 2022

Jeremy Porter Aspect Consulting Dexter Horton Building 710 2nd Avenue, Suite 550 Seattle, WA 98104

Re: Analytical Data for Project 060172

Laboratory Reference No. 2201-094

Dear Jeremy:

Enclosed are the analytical results and associated quality control data for samples submitted on January 12, 2022.

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,

David Baumeister Project Manager

Enclosures



Project: 060172

Case Narrative

Samples were collected on January 12, 2022 and received by the laboratory on January 12, 2022. 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.

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-Gx Analysis - Water

The chromatograms for samples MW-3R-011222, MW-2R-011222, and VE-1R-011222 are not similar to a typical gas.

NWTPH-Gx Analysis - Soil

The chromatogram for sample CB-11-20-011222 is similar to mineral spirits.

Please note that any other QA/QC issues associated with these extractions and analyses will be indicated with a footnote reference and discussed in detail on the Data Qualifier page.

GASOLINE RANGE ORGANICS NWTPH-Gx

Matrix: Water Units: ug/L (ppb)

				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	MW-10-011222					
Laboratory ID:	01-094-01					
Gasoline	ND	100	NWTPH-Gx	1-13-22	1-13-22	
Surrogate:	Percent Recovery	Control Limits				
Fluorobenzene	98	66-117				
Client ID:	MW-3R-011222					
Laboratory ID:	01-094-02					
Gasoline	130	100	NWTPH-Gx	1-13-22	1-13-22	Т
Surrogate:	Percent Recovery	Control Limits				
Fluorobenzene	100	66-117				
Client ID:	MW-2R-011222					
Laboratory ID:	01-094-03					
Gasoline	350	100	NWTPH-Gx	1-13-22	1-13-22	Т
Surrogate:	Percent Recovery	Control Limits				
Fluorobenzene	100	66-117				
Client ID:	VE-1R-011222					
Laboratory ID:	01-094-04					
Gasoline	180	100	NWTPH-Gx	1-13-22	1-13-22	Т
Surrogate:	Percent Recovery	Control Limits				
Fluorobenzene	100	66-117				

Project: 060172

GASOLINE RANGE ORGANICS NWTPH-Gx QUALITY CONTROL

Matrix: Water
Units: ug/L (ppb)

Amalada	Dagult	DOL	Mathad	Date	Date	Flore
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0113W1					
Gasoline	ND	100	NWTPH-Gx	1-13-22	1-13-22	
Surrogate:	Percent Recovery	Control Limits				
Fluorobenzene	99	66-117				

Analyte	Res	sult	Spike l	Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE										
Laboratory ID:	01-09	94-01								
	ORIG	DUP								
Gasoline	ND	ND	NA	NA		NA	NA	NA	30	
Surrogate:										
Fluorobenzene						98 98	66-117			

GASOLINE RANGE ORGANICS NWTPH-Gx

Matrix: Soil

Units: mg/kg (ppm)

				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	CB-11-20-011222					
Laboratory ID:	01-094-05					
Gasoline	8.1	4.8	NWTPH-Gx	1-13-22	1-13-22	Z
Surrogate:	Percent Recovery	Control Limits				
Fluorobenzene	109	66-129				
Client ID:	CB-11-24-011222					
Laboratory ID:	01-094-06					
Gasoline	ND	4.8	NWTPH-Gx	1-13-22	1-13-22	
Surrogate:	Percent Recovery	Control Limits				
Fluorobenzene	96	66-129				

GASOLINE RANGE ORGANICS NWTPH-Gx QUALITY CONTROL

Matrix: Soil

Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK	Nesuit	FQL	Wethou	Frepareu	Anaryzeu	ı iays
Laboratory ID:	MB0113S1					
Gasoline	ND	5.0	NWTPH-Gx	1-13-22	1-13-22	
Surrogate:	Percent Recovery	Control Limits				
Fluorobenzene	97	66-129				

Analyte	Res	sult	Spike	Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE										
Laboratory ID:	01-09	94-05								
	ORIG	DUP								
Gasoline	6.41	5.07	NA	NA		NA	NA	23	30	
Surrogate:										
Fluorobenzene						109 111	66-129			

Fluorobenzene

Project: 060172

VOLATILE ORGANICS EPA 8260D

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Matrix: Water Units: ug/L

Offits. ug/L				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	MW-10-011222	·		•	•	
Laboratory ID:	01-094-01					
Dichlorodifluoromethane	ND	2.0	EPA 8260D	1-13-22	1-13-22	
Chloromethane	ND	10	EPA 8260D	1-13-22	1-13-22	
Vinyl Chloride	ND	2.0	EPA 8260D	1-13-22	1-13-22	
Bromomethane	ND	2.0	EPA 8260D	1-13-22	1-13-22	
Chloroethane	ND	10	EPA 8260D	1-13-22	1-13-22	
Trichlorofluoromethane	ND	2.0	EPA 8260D	1-13-22	1-13-22	
1,1-Dichloroethene	ND	2.0	EPA 8260D	1-13-22	1-13-22	
Acetone	650	50	EPA 8260D	1-13-22	1-13-22	
Iodomethane	ND	63	EPA 8260D	1-13-22	1-13-22	
Carbon Disulfide	ND	2.0	EPA 8260D	1-13-22	1-13-22	
Methylene Chloride	ND	10	EPA 8260D	1-13-22	1-13-22	
(trans) 1,2-Dichloroethene	ND	2.0	EPA 8260D	1-13-22	1-13-22	
Methyl t-Butyl Ether	ND	2.0	EPA 8260D	1-13-22	1-13-22	
1,1-Dichloroethane	ND	2.0	EPA 8260D	1-13-22	1-13-22	
Vinyl Acetate	ND	10	EPA 8260D	1-13-22	1-13-22	
2,2-Dichloropropane	ND	2.0	EPA 8260D	1-13-22	1-13-22	
(cis) 1,2-Dichloroethene	32	2.0	EPA 8260D	1-13-22	1-13-22	
2-Butanone	120	50	EPA 8260D	1-13-22	1-13-22	
Bromochloromethane	ND	2.0	EPA 8260D	1-13-22	1-13-22	
Chloroform	ND	2.0	EPA 8260D	1-13-22	1-13-22	
1,1,1-Trichloroethane	ND	2.0	EPA 8260D	1-13-22	1-13-22	
Carbon Tetrachloride	ND	2.0	EPA 8260D	1-13-22	1-13-22	
1,1-Dichloropropene	ND	2.0	EPA 8260D	1-13-22	1-13-22	
Benzene	ND	2.0	EPA 8260D	1-13-22	1-13-22	
1,2-Dichloroethane	2.2	2.0	EPA 8260D	1-13-22	1-13-22	
Trichloroethene	5.6	2.0	EPA 8260D	1-13-22	1-13-22	
1,2-Dichloropropane	ND	2.0	EPA 8260D	1-13-22	1-13-22	
Dibromomethane	ND	2.5	EPA 8260D	1-13-22	1-13-22	
Bromodichloromethane	ND	2.0	EPA 8260D	1-13-22	1-13-22	
(cis) 1,3-Dichloropropene	ND	2.0	EPA 8260D	1-13-22	1-13-22	
Methyl Isobutyl Ketone	ND	20	EPA 8260D	1-13-22	1-13-22	
Toluene	ND	10	EPA 8260D	1-13-22	1-13-22	
(trans) 1,3-Dichloropropene	ND	2.0	EPA 8260D	1-13-22	1-13-22	

Project: 060172

VOLATILE ORGANICS EPA 8260D

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Analista	Dogult	PQL	Mathad	Date	Date	Flore
Analyte Client ID:	Result MW-10-011222	PQL	Method	Prepared	Analyzed	Flags
Laboratory ID:	01-094-01					
1,1,2-Trichloroethane	ND	2.0	EPA 8260D	1-13-22	1-13-22	
Tetrachloroethene	4.0	2.0	EPA 8260D	1-13-22	1-13-22	
1,3-Dichloropropane	ND	2.0	EPA 8260D	1-13-22	1-13-22	
2-Hexanone	ND ND	20	EPA 8260D	1-13-22	1-13-22	
Dibromochloromethane	ND ND	2.0	EPA 8260D	1-13-22	1-13-22	
1,2-Dibromoethane	ND ND	2.0	EPA 8260D	1-13-22	1-13-22	
	ND ND	2.0				
Chlorobenzene			EPA 8260D	1-13-22	1-13-22	
1,1,1,2-Tetrachloroethane	ND	2.0	EPA 8260D	1-13-22	1-13-22	
Ethylbenzene	ND	2.0	EPA 8260D	1-13-22	1-13-22	
m,p-Xylene	ND	4.0	EPA 8260D	1-13-22	1-13-22	
o-Xylene	ND	2.0	EPA 8260D	1-13-22	1-13-22	
Styrene	ND	2.0	EPA 8260D	1-13-22	1-13-22	
Bromoform	ND	10	EPA 8260D	1-13-22	1-13-22	
Isopropylbenzene	ND	2.0	EPA 8260D	1-13-22	1-13-22	
Bromobenzene	ND	2.0	EPA 8260D	1-13-22	1-13-22	
1,1,2,2-Tetrachloroethane	ND	2.0	EPA 8260D	1-13-22	1-13-22	
1,2,3-Trichloropropane	ND	2.0	EPA 8260D	1-13-22	1-13-22	
n-Propylbenzene	ND	2.0	EPA 8260D	1-13-22	1-13-22	
2-Chlorotoluene	ND	2.0	EPA 8260D	1-13-22	1-13-22	
4-Chlorotoluene	ND	2.0	EPA 8260D	1-13-22	1-13-22	
1,3,5-Trimethylbenzene	ND	2.0	EPA 8260D	1-13-22	1-13-22	
tert-Butylbenzene	ND	2.0	EPA 8260D	1-13-22	1-13-22	
1,2,4-Trimethylbenzene	ND	2.0	EPA 8260D	1-13-22	1-13-22	
sec-Butylbenzene	ND	2.0	EPA 8260D	1-13-22	1-13-22	
1,3-Dichlorobenzene	ND	2.0	EPA 8260D	1-13-22	1-13-22	
p-Isopropyltoluene	2.6	2.0	EPA 8260D	1-13-22	1-13-22	
1,4-Dichlorobenzene	ND	2.0	EPA 8260D	1-13-22	1-13-22	
1,2-Dichlorobenzene	ND	2.0	EPA 8260D	1-13-22	1-13-22	
n-Butylbenzene	ND	2.0	EPA 8260D	1-13-22	1-13-22	
1,2-Dibromo-3-chloropropane	ND	10	EPA 8260D	1-13-22	1-13-22	
1,2,4-Trichlorobenzene	ND	2.0	EPA 8260D	1-13-22	1-13-22	
Hexachlorobutadiene	ND	10	EPA 8260D	1-13-22	1-13-22	
Naphthalene	170	10	EPA 8260D	1-13-22	1-13-22	
1,2,3-Trichlorobenzene	ND	2.0	EPA 8260D	1-13-22	1-13-22	
Surrogate:	Percent Recovery	Control Limits	2-11	<u> </u>		
	1 3.22					

Surrogate: Percent Recovery Control Limit
Dibromofluoromethane 112 75-127
Toluene-d8 104 80-127
4-Bromofluorobenzene 103 78-125



VOLATILE ORGANICS EPA 8260D

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Matrix: Water Units: ug/L

				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	MW-3R-011222					
Laboratory ID:	01-094-02					
Dichlorodifluoromethane	ND	2.0	EPA 8260D	1-13-22	1-13-22	
Chloromethane	ND	10	EPA 8260D	1-13-22	1-13-22	
Vinyl Chloride	ND	2.0	EPA 8260D	1-13-22	1-13-22	
Bromomethane	ND	2.0	EPA 8260D	1-13-22	1-13-22	
Chloroethane	ND	10	EPA 8260D	1-13-22	1-13-22	
Trichlorofluoromethane	ND	2.0	EPA 8260D	1-13-22	1-13-22	
1,1-Dichloroethene	ND	2.0	EPA 8260D	1-13-22	1-13-22	
Acetone	860	50	EPA 8260D	1-13-22	1-13-22	
lodomethane	ND	63	EPA 8260D	1-13-22	1-13-22	
Carbon Disulfide	ND	2.0	EPA 8260D	1-13-22	1-13-22	
Methylene Chloride	ND	10	EPA 8260D	1-13-22	1-13-22	
(trans) 1,2-Dichloroethene	ND	2.0	EPA 8260D	1-13-22	1-13-22	
Methyl t-Butyl Ether	ND	2.0	EPA 8260D	1-13-22	1-13-22	
1,1-Dichloroethane	ND	2.0	EPA 8260D	1-13-22	1-13-22	
Vinyl Acetate	ND	10	EPA 8260D	1-13-22	1-13-22	
2,2-Dichloropropane	ND	2.0	EPA 8260D	1-13-22	1-13-22	
(cis) 1,2-Dichloroethene	ND	2.0	EPA 8260D	1-13-22	1-13-22	
2-Butanone	150	50	EPA 8260D	1-13-22	1-13-22	
Bromochloromethane	ND	2.0	EPA 8260D	1-13-22	1-13-22	
Chloroform	ND	2.0	EPA 8260D	1-13-22	1-13-22	
1,1,1-Trichloroethane	ND	2.0	EPA 8260D	1-13-22	1-13-22	
Carbon Tetrachloride	ND	2.0	EPA 8260D	1-13-22	1-13-22	
1,1-Dichloropropene	ND	2.0	EPA 8260D	1-13-22	1-13-22	
Benzene	ND	2.0	EPA 8260D	1-13-22	1-13-22	
1,2-Dichloroethane	ND	2.0	EPA 8260D	1-13-22	1-13-22	
Trichloroethene	ND	2.0	EPA 8260D	1-13-22	1-13-22	
1,2-Dichloropropane	ND	2.0	EPA 8260D	1-13-22	1-13-22	
Dibromomethane	ND	2.5	EPA 8260D	1-13-22	1-13-22	
Bromodichloromethane	ND	2.0	EPA 8260D	1-13-22	1-13-22	
(cis) 1,3-Dichloropropene	ND	2.0	EPA 8260D	1-13-22	1-13-22	
Methyl Isobutyl Ketone	ND	20	EPA 8260D	1-13-22	1-13-22	
Toluene	ND	10	EPA 8260D	1-13-22	1-13-22	
(trans) 1,3-Dichloropropene	ND	2.0	EPA 8260D	1-13-22	1-13-22	

VOLATILE ORGANICS EPA 8260D

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				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	MW-3R-011222					
Laboratory ID:	01-094-02					
1,1,2-Trichloroethane	ND	2.0	EPA 8260D	1-13-22	1-13-22	
Tetrachloroethene	ND	2.0	EPA 8260D	1-13-22	1-13-22	
1,3-Dichloropropane	ND	2.0	EPA 8260D	1-13-22	1-13-22	
2-Hexanone	ND	20	EPA 8260D	1-13-22	1-13-22	
Dibromochloromethane	ND	2.0	EPA 8260D	1-13-22	1-13-22	
1,2-Dibromoethane	ND	2.0	EPA 8260D	1-13-22	1-13-22	
Chlorobenzene	ND	2.0	EPA 8260D	1-13-22	1-13-22	
1,1,1,2-Tetrachloroethane	ND	2.0	EPA 8260D	1-13-22	1-13-22	
Ethylbenzene	ND	2.0	EPA 8260D	1-13-22	1-13-22	
m,p-Xylene	ND	4.0	EPA 8260D	1-13-22	1-13-22	
o-Xylene	ND	2.0	EPA 8260D	1-13-22	1-13-22	
Styrene	ND	2.0	EPA 8260D	1-13-22	1-13-22	
Bromoform	ND	10	EPA 8260D	1-13-22	1-13-22	
Isopropylbenzene	ND	2.0	EPA 8260D	1-13-22	1-13-22	
Bromobenzene	ND	2.0	EPA 8260D	1-13-22	1-13-22	
1,1,2,2-Tetrachloroethane	ND	2.0	EPA 8260D	1-13-22	1-13-22	
1,2,3-Trichloropropane	ND	2.0	EPA 8260D	1-13-22	1-13-22	
n-Propylbenzene	ND	2.0	EPA 8260D	1-13-22	1-13-22	
2-Chlorotoluene	ND	2.0	EPA 8260D	1-13-22	1-13-22	
4-Chlorotoluene	ND	2.0	EPA 8260D	1-13-22	1-13-22	
1,3,5-Trimethylbenzene	ND	2.0	EPA 8260D	1-13-22	1-13-22	
tert-Butylbenzene	ND	2.0	EPA 8260D	1-13-22	1-13-22	
1,2,4-Trimethylbenzene	ND	2.0	EPA 8260D	1-13-22	1-13-22	
sec-Butylbenzene	ND	2.0	EPA 8260D	1-13-22	1-13-22	
1,3-Dichlorobenzene	ND	2.0	EPA 8260D	1-13-22	1-13-22	
p-Isopropyltoluene	3.5	2.0	EPA 8260D	1-13-22	1-13-22	
1,4-Dichlorobenzene	ND	2.0	EPA 8260D	1-13-22	1-13-22	
1,2-Dichlorobenzene	ND	2.0	EPA 8260D	1-13-22	1-13-22	
n-Butylbenzene	ND	2.0	EPA 8260D	1-13-22	1-13-22	
1,2-Dibromo-3-chloropropane	ND	10	EPA 8260D	1-13-22	1-13-22	
1,2,4-Trichlorobenzene	ND	2.0	EPA 8260D	1-13-22	1-13-22	
Hexachlorobutadiene	ND	10	EPA 8260D	1-13-22	1-13-22	
Naphthalene	16	10	EPA 8260D	1-13-22	1-13-22	
1,2,3-Trichlorobenzene	ND	2.0	EPA 8260D	1-13-22	1-13-22	
Surrogate:	Percent Recovery	Control Limits				
Dibromofluoromethane	111	75-127				

4-Bromofluorobenzene

Toluene-d8

80-127

78-125

105

102

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Matrix: Water Units: ug/L

				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	MW-2R-011222					
Laboratory ID:	01-094-03					
Dichlorodifluoromethane	ND	0.80	EPA 8260D	1-13-22	1-13-22	
Chloromethane	ND	4.0	EPA 8260D	1-13-22	1-13-22	
Vinyl Chloride	2.5	0.80	EPA 8260D	1-13-22	1-13-22	
Bromomethane	ND	0.80	EPA 8260D	1-13-22	1-13-22	
Chloroethane	ND	4.0	EPA 8260D	1-13-22	1-13-22	
Trichlorofluoromethane	ND	0.80	EPA 8260D	1-13-22	1-13-22	
1,1-Dichloroethene	ND	0.80	EPA 8260D	1-13-22	1-13-22	
Acetone	400	20	EPA 8260D	1-13-22	1-13-22	
lodomethane	ND	25	EPA 8260D	1-13-22	1-13-22	
Carbon Disulfide	ND	0.80	EPA 8260D	1-13-22	1-13-22	
Methylene Chloride	ND	4.0	EPA 8260D	1-13-22	1-13-22	
(trans) 1,2-Dichloroethene	0.93	0.80	EPA 8260D	1-13-22	1-13-22	
Methyl t-Butyl Ether	ND	0.80	EPA 8260D	1-13-22	1-13-22	
1,1-Dichloroethane	ND	0.80	EPA 8260D	1-13-22	1-13-22	
Vinyl Acetate	ND	4.0	EPA 8260D	1-13-22	1-13-22	
2,2-Dichloropropane	ND	0.80	EPA 8260D	1-13-22	1-13-22	
(cis) 1,2-Dichloroethene	52	0.80	EPA 8260D	1-13-22	1-13-22	
2-Butanone	98	20	EPA 8260D	1-13-22	1-13-22	
Bromochloromethane	ND	0.80	EPA 8260D	1-13-22	1-13-22	
Chloroform	ND	0.80	EPA 8260D	1-13-22	1-13-22	
1,1,1-Trichloroethane	ND	0.80	EPA 8260D	1-13-22	1-13-22	
Carbon Tetrachloride	ND	0.80	EPA 8260D	1-13-22	1-13-22	
1,1-Dichloropropene	ND	0.80	EPA 8260D	1-13-22	1-13-22	
Benzene	2.1	0.80	EPA 8260D	1-13-22	1-13-22	
1,2-Dichloroethane	ND	0.80	EPA 8260D	1-13-22	1-13-22	
Trichloroethene	4.8	0.80	EPA 8260D	1-13-22	1-13-22	
1,2-Dichloropropane	ND	0.80	EPA 8260D	1-13-22	1-13-22	
Dibromomethane	ND	1.0	EPA 8260D	1-13-22	1-13-22	
Bromodichloromethane	ND	0.80	EPA 8260D	1-13-22	1-13-22	
(cis) 1,3-Dichloropropene	ND	0.80	EPA 8260D	1-13-22	1-13-22	
Methyl Isobutyl Ketone	ND	8.0	EPA 8260D	1-13-22	1-13-22	
Toluene	ND	4.0	EPA 8260D	1-13-22	1-13-22	
(trans) 1,3-Dichloropropene	ND	0.80	EPA 8260D	1-13-22	1-13-22	

Project: 060172

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Analista	Dogult	PQL	Mathad	Date	Date	Flore
Analyte Client ID:	Result MW-2R-011222	PQL	Method	Prepared	Analyzed	Flags
Laboratory ID:	01-094-03					
1,1,2-Trichloroethane	ND	0.80	EPA 8260D	1-13-22	1-13-22	
Tetrachloroethene	ND ND	0.80	EPA 8260D	1-13-22	1-13-22	
1,3-Dichloropropane	ND ND	0.80	EPA 8260D	1-13-22	1-13-22	
2-Hexanone	ND ND	8.0	EPA 8260D	1-13-22	1-13-22	
Dibromochloromethane	ND ND	0.80	EPA 8260D	1-13-22	1-13-22	
	ND ND	0.80		1-13-22	1-13-22	
1,2-Dibromoethane			EPA 8260D			
Chlorobenzene	ND	0.80	EPA 8260D	1-13-22	1-13-22	
1,1,1,2-Tetrachloroethane	ND	0.80	EPA 8260D	1-13-22	1-13-22	
Ethylbenzene	1.7	0.80	EPA 8260D	1-13-22	1-13-22	
m,p-Xylene	3.4	1.6	EPA 8260D	1-13-22	1-13-22	
o-Xylene	1.5	0.80	EPA 8260D	1-13-22	1-13-22	
Styrene	ND	0.80	EPA 8260D	1-13-22	1-13-22	
Bromoform	ND	4.0	EPA 8260D	1-13-22	1-13-22	
Isopropylbenzene	0.98	0.80	EPA 8260D	1-13-22	1-13-22	
Bromobenzene	ND	0.80	EPA 8260D	1-13-22	1-13-22	
1,1,2,2-Tetrachloroethane	ND	0.80	EPA 8260D	1-13-22	1-13-22	
1,2,3-Trichloropropane	ND	0.80	EPA 8260D	1-13-22	1-13-22	
n-Propylbenzene	3.9	0.80	EPA 8260D	1-13-22	1-13-22	
2-Chlorotoluene	ND	0.80	EPA 8260D	1-13-22	1-13-22	
4-Chlorotoluene	ND	0.80	EPA 8260D	1-13-22	1-13-22	
1,3,5-Trimethylbenzene	1.2	0.80	EPA 8260D	1-13-22	1-13-22	
tert-Butylbenzene	ND	0.80	EPA 8260D	1-13-22	1-13-22	
1,2,4-Trimethylbenzene	9.4	0.80	EPA 8260D	1-13-22	1-13-22	
sec-Butylbenzene	1.3	0.80	EPA 8260D	1-13-22	1-13-22	
1,3-Dichlorobenzene	ND	0.80	EPA 8260D	1-13-22	1-13-22	
p-Isopropyltoluene	3.5	0.80	EPA 8260D	1-13-22	1-13-22	
1,4-Dichlorobenzene	ND	0.80	EPA 8260D	1-13-22	1-13-22	
1,2-Dichlorobenzene	2.8	0.80	EPA 8260D	1-13-22	1-13-22	
n-Butylbenzene	ND	0.80	EPA 8260D	1-13-22	1-13-22	
1,2-Dibromo-3-chloropropane	ND	4.0	EPA 8260D	1-13-22	1-13-22	
1,2,4-Trichlorobenzene	ND	0.80	EPA 8260D	1-13-22	1-13-22	
Hexachlorobutadiene	ND	4.0	EPA 8260D	1-13-22	1-13-22	
Naphthalene	74	4.0	EPA 8260D	1-13-22	1-13-22	
1,2,3-Trichlorobenzene	ND	0.80	EPA 8260D	1-13-22	1-13-22	
Surrogate:	Percent Recovery	Control Limits		<u> </u>		
	1 3.22					

Surrogate: Percent Recovery Control Limit
Dibromofluoromethane 108 75-127
Toluene-d8 104 80-127
4-Bromofluorobenzene 101 78-125

VOLATILE ORGANICS EPA 8260D

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Matrix: Water Units: ug/L

Client ID:					Date	Date	
Dichlorodiffuoromethane	Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Dichlorodifluoromethane	Client ID:	VE-1R-011222					
Chloromethane ND 10 EPA 8260D 1-13-22 1-13-22 Vinyl Chloride ND 2.0 EPA 8260D 1-13-22 1-13-22 Bromomethane ND 2.0 EPA 8260D 1-13-22 1-13-22 Chloroethane ND 10 EPA 8260D 1-13-22 1-13-22 Trichlorofluoromethane ND 2.0 EPA 8260D 1-13-22 1-13-22 1,1-Dichloroethene ND 2.0 EPA 8260D 1-13-22 1-13-22 Acetone 430 50 EPA 8260D 1-13-22 1-13-22 Icodomethane ND 63 EPA 8260D 1-13-22 1-13-22 Carbon Disulfide ND 2.0 EPA 8260D 1-13-22 1-13-22 Carbon Disulfide ND 2.0 EPA 8260D 1-13-22 1-13-22 Methylene Chloride ND 10 EPA 8260D 1-13-22 1-13-22 (trans) 1,2-Dichloroethene ND 2.0 EPA 8260D 1-13-22 1-13-22	Laboratory ID:	01-094-04					
Vinyl Chloride ND 2.0 EPA 8260D 1-13-22 1-13-22 Bromomethane ND 2.0 EPA 8260D 1-13-22 1-13-22 Chloroethane ND 10 EPA 8260D 1-13-22 1-13-22 Trichlorofluoromethane ND 2.0 EPA 8260D 1-13-22 1-13-22 1,1-Dichloroethene ND 2.0 EPA 8260D 1-13-22 1-13-22 Acetone 430 50 EPA 8260D 1-13-22 1-13-22 Acetone 430 50 EPA 8260D 1-13-22 1-13-22 Icodomethane ND 63 EPA 8260D 1-13-22 1-13-22 Icodomethane ND 2.0 EPA 8260D 1-13-22 1-13-22 Methylene Chloride ND 10 EPA 8260D 1-13-22 1-13-22 (trans) 1,2-Dichloroethene ND 2.0 EPA 8260D 1-13-22 1-13-22 (trans) 1,2-Dichloroethane ND 2.0 EPA 8260D 1-13-22 1-13-22	Dichlorodifluoromethane	ND	2.0	EPA 8260D	1-13-22	1-13-22	
Semomethane ND 2.0 EPA 8260D 1-13-22	Chloromethane	ND	10	EPA 8260D	1-13-22	1-13-22	
Chloroethane ND 10 EPA 8260D 1-13-22 1-13-22 Trichlorofluoromethane ND 2.0 EPA 8260D 1-13-22 1-13-22 1,1-Dichloroethene ND 2.0 EPA 8260D 1-13-22 1-13-22 Acetone 430 50 EPA 8260D 1-13-22 1-13-22 Idodomethane ND 63 EPA 8260D 1-13-22 1-13-22 Idodomethane ND 63 EPA 8260D 1-13-22 1-13-22 Carbon Disulfide ND 2.0 EPA 8260D 1-13-22 1-13-22 Methylene Chloride ND 10 EPA 8260D 1-13-22 1-13-22 Methyle Ether ND 2.0 EPA 8260D 1-13-22 1-13-22 1,1-Dichloroethane ND 2.0 EPA 8260D 1-13-22 1-13-22 Vinyl Acetate ND 10 EPA 8260D 1-13-22 1-13-22 2,2-Dichloropapane ND 2.0 EPA 8260D 1-13-22 1-13-22	Vinyl Chloride	ND	2.0	EPA 8260D	1-13-22	1-13-22	
Trichlorofluoromethane	Bromomethane	ND	2.0	EPA 8260D	1-13-22	1-13-22	
1,1-Dichloroethene ND 2.0 EPA 8260D 1-13-22 1-13-22 Acetone 430 50 EPA 8260D 1-13-22 1-13-22 Iodomethane ND 63 EPA 8260D 1-13-22 1-13-22 Carbon Disulfide ND 2.0 EPA 8260D 1-13-22 1-13-22 Methylene Chloride ND 10 EPA 8260D 1-13-22 1-13-22 (trans) 1,2-Dichloroethene ND 2.0 EPA 8260D 1-13-22 1-13-22 Methyl t-Butyl Ether ND 2.0 EPA 8260D 1-13-22 1-13-22 Methyl t-Butyl Ether ND 2.0 EPA 8260D 1-13-22 1-13-22 Methyl t-Butyl Ether ND 2.0 EPA 8260D 1-13-22 1-13-22 Methyl t-Butyl Ether ND 2.0 EPA 8260D 1-13-22 1-13-22 1,1-Dichloroethane ND 2.0 EPA 8260D 1-13-22 1-13-22 (cis) 1,2-Dichloroethane ND 2.0 EPA 8260D 1-13-22	Chloroethane	ND	10	EPA 8260D	1-13-22	1-13-22	
Acetone 430 50 EPA 8260D 1-13-22 1-13-22 lodomethane ND 63 EPA 8260D 1-13-22 1-13-22 lodomethane ND 63 EPA 8260D 1-13-22 1-13-22 lodomethane ND 2.0 EPA 8260D 1-13-22 1-13-22 lodomethane ND 10 EPA 8260D 1-13-22 1-13-22 lotrans) 1,2-Dichloroethene ND 2.0 EPA 8260D 1-13-22 1-13-22 lotrans) 1,2-Dichloroethene ND 2.0 EPA 8260D 1-13-22 1-13-22 lotrans) 1,2-Dichloroethane ND 2.0 EPA 8260D 1-13-22 1-13-22 lotrans) 1,1-Dichloroethane ND 10 EPA 8260D 1-13-22 1-13-22 lotrans) 1,1-Dichloroethane ND 10 EPA 8260D 1-13-22 1-13-22 lotrans) 1,1-Dichloroethane ND 2.0 EPA 8260D 1-13-22 1-13-22 lotrans) 1,1-Trichloroethane ND 2.0 EPA 8260D 1-13-22 1-13-22 lotrans) 1,1-Dichloropropene ND 2.0 EPA 8260D 1-13-22 1-13-22 lotrans) 1,1-Dichloroethane ND 2.0 EPA 8260D 1-13-22 1	Trichlorofluoromethane	ND	2.0	EPA 8260D	1-13-22	1-13-22	
ND 63 EPA 8260D 1-13-22 1-	1,1-Dichloroethene	ND	2.0	EPA 8260D	1-13-22	1-13-22	
Carbon Disulfide ND 2.0 EPA 8260D 1-13-22 1-13-22 Methylene Chloride ND 10 EPA 8260D 1-13-22 1-13-22 (trans) 1,2-Dichloroethene ND 2.0 EPA 8260D 1-13-22 1-13-22 Methyl t-Butyl Ether ND 2.0 EPA 8260D 1-13-22 1-13-22 1,1-Dichloroethane ND 2.0 EPA 8260D 1-13-22 1-13-22 Vinyl Acetate ND 10 EPA 8260D 1-13-22 1-13-22 Q;2-Dichloropropane ND 2.0 EPA 8260D 1-13-22 1-13-22 Q;2-Dichloroethene ND 2.0 EPA 8260D 1-13-22 1-13-22 Q;2-Dichloroethene ND 2.0 EPA 8260D 1-13-22 1-13-22 Q;2-Dichloroethene ND 2.0 EPA 8260D 1-13-22 1-13-22 Bromochloromethane ND 2.0 EPA 8260D 1-13-22 1-13-22 Chloroform ND 2.0 EPA 8260D 1-13-22 <	Acetone	430	50	EPA 8260D	1-13-22	1-13-22	
Methylene Chloride ND 10 EPA 8260D 1-13-22 1-13-22 (trans) 1,2-Dichloroethene ND 2.0 EPA 8260D 1-13-22 1-13-22 Methyl t-Butyl Ether ND 2.0 EPA 8260D 1-13-22 1-13-22 1,1-Dichloroethane ND 2.0 EPA 8260D 1-13-22 1-13-22 Vinyl Acetate ND 10 EPA 8260D 1-13-22 1-13-22 2,2-Dichloropropane ND 2.0 EPA 8260D 1-13-22 1-13-22 (cis) 1,2-Dichloroethene ND 2.0 EPA 8260D 1-13-22 1-13-22 2-Butanone 97 50 EPA 8260D 1-13-22 1-13-22 2-Bromochloromethane ND 2.0 EPA 8260D 1-13-22 1-13-22 Chloroform ND 2.0 EPA 8260D 1-13-22 1-13-22 1,1,1-Trichloroethane ND 2.0 EPA 8260D 1-13-22 1-13-22 Carbon Tetrachloride ND 2.0 EPA 8260D 1-13-22	lodomethane	ND	63	EPA 8260D	1-13-22	1-13-22	
(trans) 1,2-Dichloroethene ND 2.0 EPA 8260D 1-13-22 1-13-22 Methyl t-Butyl Ether ND 2.0 EPA 8260D 1-13-22 1-13-22 1,1-Dichloroethane ND 2.0 EPA 8260D 1-13-22 1-13-22 Vinyl Acetate ND 10 EPA 8260D 1-13-22 1-13-22 2,2-Dichloropropane ND 2.0 EPA 8260D 1-13-22 1-13-22 (cis) 1,2-Dichloroethene ND 2.0 EPA 8260D 1-13-22 1-13-22 2-Butanone 97 50 EPA 8260D 1-13-22 1-13-22 2-Bromochloromethane ND 2.0 EPA 8260D 1-13-22 1-13-22 Chloroform ND 2.0 EPA 8260D 1-13-22 1-13-22 Chloroform ND 2.0 EPA 8260D 1-13-22 1-13-22 Chloroform ND 2.0 EPA 8260D 1-13-22 1-13-22 1,1,1-Tichloroethane ND 2.0 EPA 8260D 1-13-22 1-13-22 </td <td>Carbon Disulfide</td> <td>ND</td> <td>2.0</td> <td>EPA 8260D</td> <td>1-13-22</td> <td>1-13-22</td> <td></td>	Carbon Disulfide	ND	2.0	EPA 8260D	1-13-22	1-13-22	
Methyl t-Butyl Ether ND 2.0 EPA 8260D 1-13-22 1-13-22 1,1-Dichloroethane ND 2.0 EPA 8260D 1-13-22 1-13-22 Vinyl Acetate ND 10 EPA 8260D 1-13-22 1-13-22 2,2-Dichloropropane ND 2.0 EPA 8260D 1-13-22 1-13-22 (cis) 1,2-Dichloroethene ND 2.0 EPA 8260D 1-13-22 1-13-22 2-Butanone 97 50 EPA 8260D 1-13-22 1-13-22 2-Bromochloromethane ND 2.0 EPA 8260D 1-13-22 1-13-22 Bromochloromethane ND 2.0 EPA 8260D 1-13-22 1-13-22 Chloroform ND 2.0 EPA 8260D 1-13-22 1-13-22	Methylene Chloride	ND	10	EPA 8260D	1-13-22	1-13-22	
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Vinyl Acetate ND 10 EPA 8260D 1-13-22 1-13-22 2,2-Dichloropropane ND 2.0 EPA 8260D 1-13-22 1-13-22 2,2-Dichloroethene ND 2.0 EPA 8260D 1-13-22 1-13-22 2-Butanone 97 50 EPA 8260D 1-13-22 1-13-22 Bromochloromethane ND 2.0 EPA 8260D 1-13-22 1-13-22 Chloroform ND 2.0 EPA 8260D 1-13-22 1-13-22 1,1,1-Trichloroethane ND 2.0 EPA 8260D 1-13-22 1-13-22 1,1-Dichloroptopene ND 2.0 EPA 8260D 1-13-22 1-13-22 1,1-Dichloropropene ND 2.0 EPA 8260D 1-13-22 1-13-22 1,2-Dichloroethane ND 2.0 EPA 8260D 1-13-22 1-13-22 1,2-Dichloropropane ND 2.0 EPA 8260D 1-13-22 1-13-22 1,2-Dichloropropane ND 2.0 EPA 8260D 1-13-22 1-13-2	Methyl t-Butyl Ether	ND	2.0	EPA 8260D	1-13-22	1-13-22	
2,2-Dichloropropane ND 2.0 EPA 8260D 1-13-22 1-13-22 (cis) 1,2-Dichloroethene ND 2.0 EPA 8260D 1-13-22 1-13-22 2-Butanone 97 50 EPA 8260D 1-13-22 1-13-22 Bromochloromethane ND 2.0 EPA 8260D 1-13-22 1-13-22 Chloroform ND 2.0 EPA 8260D 1-13-22 1-13-22 1,1,1-Trichloroethane ND 2.0 EPA 8260D 1-13-22 1-13-22 1,1-Dichloroptopene ND 2.0 EPA 8260D 1-13-22 1-13-22 1,1-Dichloropropene ND 2.0 EPA 8260D 1-13-22 1-13-22 1,1-Dichloropropene ND 2.0 EPA 8260D 1-13-22 1-13-22 1,2-Dichloroethane ND 2.0 EPA 8260D 1-13-22 1-13-22 1,2-Dichloropropane ND 2.0 EPA 8260D 1-13-22 1-13-22 1,2-Dichloropropane ND 2.0 EPA 8260D 1-13-22 1-13-22 Dibromomethane ND 2.0 EPA 8260D	1,1-Dichloroethane	ND	2.0	EPA 8260D	1-13-22	1-13-22	
(cis) 1,2-Dichloroethene ND 2.0 EPA 8260D 1-13-22 1-13-22 2-Butanone 97 50 EPA 8260D 1-13-22 1-13-22 Bromochloromethane ND 2.0 EPA 8260D 1-13-22 1-13-22 Chloroform ND 2.0 EPA 8260D 1-13-22 1-13-22 1,1,1-Trichloroethane ND 2.0 EPA 8260D 1-13-22 1-13-22 Carbon Tetrachloride ND 2.0 EPA 8260D 1-13-22 1-13-22 1,1-Dichloropropene ND 2.0 EPA 8260D 1-13-22 1-13-22 1,1-Dichloropropene ND 2.0 EPA 8260D 1-13-22 1-13-22 Benzene 3.3 2.0 EPA 8260D 1-13-22 1-13-22 1,2-Dichloroethane ND 2.0 EPA 8260D 1-13-22 1-13-22 Trichloroethene ND 2.0 EPA 8260D 1-13-22 1-13-22 1,2-Dichloropropane ND 2.5 EPA 8260D 1-13-22 1-13-22	Vinyl Acetate	ND	10	EPA 8260D	1-13-22	1-13-22	
2-Butanone 97 50 EPA 8260D 1-13-22 1-13-22 Bromochloromethane ND 2.0 EPA 8260D 1-13-22 1-13-22 Chloroform ND 2.0 EPA 8260D 1-13-22 1-13-22 1,1,1-Trichloroethane ND 2.0 EPA 8260D 1-13-22 1-13-22 Carbon Tetrachloride ND 2.0 EPA 8260D 1-13-22 1-13-22 1,1-Dichloropropene ND 2.0 EPA 8260D 1-13-22 1-13-22 Benzene 3.3 2.0 EPA 8260D 1-13-22 1-13-22 1,2-Dichloroethane ND 2.0 EPA 8260D 1-13-22 1-13-22 Trichloroethene ND 2.0 EPA 8260D 1-13-22 1-13-22 1,2-Dichloropropane ND 2.0 EPA 8260D 1-13-22 1-13-22 Dibromomethane ND 2.0 EPA 8260D 1-13-22 1-13-22 Bromodichloromethane ND 2.0 EPA 8260D 1-13-22 1-13-22 Methyl Isobutyl Ketone ND 20 EPA 8260D 1-13-22 </td <td>2,2-Dichloropropane</td> <td>ND</td> <td>2.0</td> <td>EPA 8260D</td> <td>1-13-22</td> <td>1-13-22</td> <td></td>	2,2-Dichloropropane	ND	2.0	EPA 8260D	1-13-22	1-13-22	
Bromochloromethane ND 2.0 EPA 8260D 1-13-22 1-13-22 Chloroform ND 2.0 EPA 8260D 1-13-22 1-13-22 1,1,1-Trichloroethane ND 2.0 EPA 8260D 1-13-22 1-13-22 Carbon Tetrachloride ND 2.0 EPA 8260D 1-13-22 1-13-22 1,1-Dichloropropene ND 2.0 EPA 8260D 1-13-22 1-13-22 1,1-Dichloropropene ND 2.0 EPA 8260D 1-13-22 1-13-22 1,2-Dichloroethane ND 2.0 EPA 8260D 1-13-22 1-13-22 1,2-Dichloropropane ND 2.0 EPA 8260D 1-13-22 1-13-22 1,2-Dichloropropane ND 2.0 EPA 8260D 1-13-22 1-13-22 Dibromomethane ND 2.5 EPA 8260D 1-13-22 1-13-22 Bromodichloromethane ND 2.0 EPA 8260D 1-13-22 1-13-22 (cis) 1,3-Dichloropropene ND 2.0 EPA 8260D 1-13-22 <td>(cis) 1,2-Dichloroethene</td> <td>ND</td> <td>2.0</td> <td>EPA 8260D</td> <td>1-13-22</td> <td>1-13-22</td> <td></td>	(cis) 1,2-Dichloroethene	ND	2.0	EPA 8260D	1-13-22	1-13-22	
Chloroform ND 2.0 EPA 8260D 1-13-22 1-13-22 1,1,1-Trichloroethane ND 2.0 EPA 8260D 1-13-22 1-13-22 Carbon Tetrachloride ND 2.0 EPA 8260D 1-13-22 1-13-22 1,1-Dichloropropene ND 2.0 EPA 8260D 1-13-22 1-13-22 Benzene 3.3 2.0 EPA 8260D 1-13-22 1-13-22 1,2-Dichloroethane ND 2.0 EPA 8260D 1-13-22 1-13-22 Trichloroethene ND 2.0 EPA 8260D 1-13-22 1-13-22 1,2-Dichloropropane ND 2.0 EPA 8260D 1-13-22 1-13-22 Dibromomethane ND 2.5 EPA 8260D 1-13-22 1-13-22 Bromodichloromethane ND 2.0 EPA 8260D 1-13-22 1-13-22 (cis) 1,3-Dichloropropene ND 2.0 EPA 8260D 1-13-22 1-13-22 Methyl Isobutyl Ketone ND 20 EPA 8260D 1-13-22 <	2-Butanone	97	50	EPA 8260D	1-13-22	1-13-22	
1,1,1-Trichloroethane ND 2.0 EPA 8260D 1-13-22 1-13-22 Carbon Tetrachloride ND 2.0 EPA 8260D 1-13-22 1-13-22 1,1-Dichloropropene ND 2.0 EPA 8260D 1-13-22 1-13-22 Benzene 3.3 2.0 EPA 8260D 1-13-22 1-13-22 1,2-Dichloroethane ND 2.0 EPA 8260D 1-13-22 1-13-22 Trichloroethene ND 2.0 EPA 8260D 1-13-22 1-13-22 1,2-Dichloropropane ND 2.0 EPA 8260D 1-13-22 1-13-22 Dibromomethane ND 2.5 EPA 8260D 1-13-22 1-13-22 Bromodichloromethane ND 2.0 EPA 8260D 1-13-22 1-13-22 (cis) 1,3-Dichloropropene ND 2.0 EPA 8260D 1-13-22 1-13-22 Methyl Isobutyl Ketone ND 20 EPA 8260D 1-13-22 1-13-22 Toluene ND 10 EPA 8260D 1-13-22 1-13-22	Bromochloromethane	ND	2.0	EPA 8260D	1-13-22	1-13-22	
Carbon Tetrachloride ND 2.0 EPA 8260D 1-13-22 1-13-22 1,1-Dichloropropene ND 2.0 EPA 8260D 1-13-22 1-13-22 Benzene 3.3 2.0 EPA 8260D 1-13-22 1-13-22 1,2-Dichloroethane ND 2.0 EPA 8260D 1-13-22 1-13-22 Trichloroethene ND 2.0 EPA 8260D 1-13-22 1-13-22 1,2-Dichloropropane ND 2.0 EPA 8260D 1-13-22 1-13-22 Dibromomethane ND 2.5 EPA 8260D 1-13-22 1-13-22 Bromodichloromethane ND 2.0 EPA 8260D 1-13-22 1-13-22 (cis) 1,3-Dichloropropene ND 2.0 EPA 8260D 1-13-22 1-13-22 Methyl Isobutyl Ketone ND 20 EPA 8260D 1-13-22 1-13-22 Toluene ND 10 EPA 8260D 1-13-22 1-13-22	Chloroform	ND	2.0	EPA 8260D	1-13-22	1-13-22	
1,1-Dichloropropene ND 2.0 EPA 8260D 1-13-22 1-13-22 Benzene 3.3 2.0 EPA 8260D 1-13-22 1-13-22 1,2-Dichloroethane ND 2.0 EPA 8260D 1-13-22 1-13-22 Trichloroethene ND 2.0 EPA 8260D 1-13-22 1-13-22 1,2-Dichloropropane ND 2.0 EPA 8260D 1-13-22 1-13-22 Dibromomethane ND 2.5 EPA 8260D 1-13-22 1-13-22 Bromodichloromethane ND 2.0 EPA 8260D 1-13-22 1-13-22 (cis) 1,3-Dichloropropene ND 2.0 EPA 8260D 1-13-22 1-13-22 Methyl Isobutyl Ketone ND 20 EPA 8260D 1-13-22 1-13-22 Toluene ND 10 EPA 8260D 1-13-22 1-13-22	1,1,1-Trichloroethane	ND	2.0	EPA 8260D	1-13-22	1-13-22	
Benzene 3.3 2.0 EPA 8260D 1-13-22 1-13-22 1,2-Dichloroethane ND 2.0 EPA 8260D 1-13-22 1-13-22 Trichloroethene ND 2.0 EPA 8260D 1-13-22 1-13-22 1,2-Dichloropropane ND 2.0 EPA 8260D 1-13-22 1-13-22 Dibromomethane ND 2.5 EPA 8260D 1-13-22 1-13-22 Bromodichloromethane ND 2.0 EPA 8260D 1-13-22 1-13-22 (cis) 1,3-Dichloropropene ND 2.0 EPA 8260D 1-13-22 1-13-22 Methyl Isobutyl Ketone ND 20 EPA 8260D 1-13-22 1-13-22 Toluene ND 10 EPA 8260D 1-13-22 1-13-22	Carbon Tetrachloride	ND	2.0	EPA 8260D	1-13-22	1-13-22	
1,2-Dichloroethane ND 2.0 EPA 8260D 1-13-22 1-13-22 Trichloroethene ND 2.0 EPA 8260D 1-13-22 1-13-22 1,2-Dichloropropane ND 2.0 EPA 8260D 1-13-22 1-13-22 Dibromomethane ND 2.5 EPA 8260D 1-13-22 1-13-22 Bromodichloromethane ND 2.0 EPA 8260D 1-13-22 1-13-22 (cis) 1,3-Dichloropropene ND 2.0 EPA 8260D 1-13-22 1-13-22 Methyl Isobutyl Ketone ND 20 EPA 8260D 1-13-22 1-13-22 Toluene ND 10 EPA 8260D 1-13-22 1-13-22	1,1-Dichloropropene	ND	2.0	EPA 8260D	1-13-22	1-13-22	
Trichloroethene ND 2.0 EPA 8260D 1-13-22 1-13-22 1,2-Dichloropropane ND 2.0 EPA 8260D 1-13-22 1-13-22 Dibromomethane ND 2.5 EPA 8260D 1-13-22 1-13-22 Bromodichloromethane ND 2.0 EPA 8260D 1-13-22 1-13-22 (cis) 1,3-Dichloropropene ND 2.0 EPA 8260D 1-13-22 1-13-22 Methyl Isobutyl Ketone ND 20 EPA 8260D 1-13-22 1-13-22 Toluene ND 10 EPA 8260D 1-13-22 1-13-22	Benzene	3.3	2.0	EPA 8260D	1-13-22	1-13-22	
1,2-Dichloropropane ND 2.0 EPA 8260D 1-13-22 1-13-22 Dibromomethane ND 2.5 EPA 8260D 1-13-22 1-13-22 Bromodichloromethane ND 2.0 EPA 8260D 1-13-22 1-13-22 (cis) 1,3-Dichloropropene ND 2.0 EPA 8260D 1-13-22 1-13-22 Methyl Isobutyl Ketone ND 20 EPA 8260D 1-13-22 1-13-22 Toluene ND 10 EPA 8260D 1-13-22 1-13-22	1,2-Dichloroethane	ND	2.0	EPA 8260D	1-13-22	1-13-22	
Dibromomethane ND 2.5 EPA 8260D 1-13-22 1-13-22 Bromodichloromethane ND 2.0 EPA 8260D 1-13-22 1-13-22 (cis) 1,3-Dichloropropene ND 2.0 EPA 8260D 1-13-22 1-13-22 Methyl Isobutyl Ketone ND 20 EPA 8260D 1-13-22 1-13-22 Toluene ND 10 EPA 8260D 1-13-22 1-13-22	Trichloroethene	ND	2.0	EPA 8260D	1-13-22	1-13-22	
Bromodichloromethane ND 2.0 EPA 8260D 1-13-22 1-13-22 (cis) 1,3-Dichloropropene ND 2.0 EPA 8260D 1-13-22 1-13-22 Methyl Isobutyl Ketone ND 20 EPA 8260D 1-13-22 1-13-22 Toluene ND 10 EPA 8260D 1-13-22 1-13-22	1,2-Dichloropropane	ND	2.0	EPA 8260D	1-13-22	1-13-22	
(cis) 1,3-Dichloropropene ND 2.0 EPA 8260D 1-13-22 1-13-22 Methyl Isobutyl Ketone ND 20 EPA 8260D 1-13-22 1-13-22 Toluene ND 10 EPA 8260D 1-13-22 1-13-22	Dibromomethane	ND	2.5	EPA 8260D	1-13-22	1-13-22	
Methyl Isobutyl Ketone ND 20 EPA 8260D 1-13-22 1-13-22 Toluene ND 10 EPA 8260D 1-13-22 1-13-22	Bromodichloromethane	ND	2.0	EPA 8260D	1-13-22	1-13-22	
Toluene ND 10 EPA 8260D 1-13-22 1-13-22	(cis) 1,3-Dichloropropene	ND	2.0	EPA 8260D	1-13-22	1-13-22	
	Methyl Isobutyl Ketone	ND	20	EPA 8260D	1-13-22	1-13-22	
(trans) 1,3-Dichloropropene ND 2.0 EPA 8260D 1-13-22 1-13-22	Toluene	ND	10	EPA 8260D	1-13-22	1-13-22	
	(trans) 1,3-Dichloropropene	ND	2.0	EPA 8260D	1-13-22	1-13-22	

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				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	VE-1R-011222					
Laboratory ID:	01-094-04					
1,1,2-Trichloroethane	ND	2.0	EPA 8260D	1-13-22	1-13-22	
Tetrachloroethene	ND	2.0	EPA 8260D	1-13-22	1-13-22	
1,3-Dichloropropane	ND	2.0	EPA 8260D	1-13-22	1-13-22	
2-Hexanone	ND	20	EPA 8260D	1-13-22	1-13-22	
Dibromochloromethane	ND	2.0	EPA 8260D	1-13-22	1-13-22	
1,2-Dibromoethane	ND	2.0	EPA 8260D	1-13-22	1-13-22	
Chlorobenzene	ND	2.0	EPA 8260D	1-13-22	1-13-22	
1,1,1,2-Tetrachloroethane	ND	2.0	EPA 8260D	1-13-22	1-13-22	
Ethylbenzene	ND	2.0	EPA 8260D	1-13-22	1-13-22	
m,p-Xylene	ND	4.0	EPA 8260D	1-13-22	1-13-22	
o-Xylene	ND	2.0	EPA 8260D	1-13-22	1-13-22	
Styrene	ND	2.0	EPA 8260D	1-13-22	1-13-22	
Bromoform	ND	10	EPA 8260D	1-13-22	1-13-22	
Isopropylbenzene	ND	2.0	EPA 8260D	1-13-22	1-13-22	
Bromobenzene	ND	2.0	EPA 8260D	1-13-22	1-13-22	
1,1,2,2-Tetrachloroethane	ND	2.0	EPA 8260D	1-13-22	1-13-22	
1,2,3-Trichloropropane	ND	2.0	EPA 8260D	1-13-22	1-13-22	
n-Propylbenzene	ND	2.0	EPA 8260D	1-13-22	1-13-22	
2-Chlorotoluene	ND	2.0	EPA 8260D	1-13-22	1-13-22	
4-Chlorotoluene	ND	2.0	EPA 8260D	1-13-22	1-13-22	
1,3,5-Trimethylbenzene	ND	2.0	EPA 8260D	1-13-22	1-13-22	
tert-Butylbenzene	ND	2.0	EPA 8260D	1-13-22	1-13-22	
1,2,4-Trimethylbenzene	2.8	2.0	EPA 8260D	1-13-22	1-13-22	
sec-Butylbenzene	ND	2.0	EPA 8260D	1-13-22	1-13-22	
1,3-Dichlorobenzene	ND	2.0	EPA 8260D	1-13-22	1-13-22	
p-Isopropyltoluene	ND	2.0	EPA 8260D	1-13-22	1-13-22	
1,4-Dichlorobenzene	ND	2.0	EPA 8260D	1-13-22	1-13-22	
1,2-Dichlorobenzene	ND	2.0	EPA 8260D	1-13-22	1-13-22	
n-Butylbenzene	ND	2.0	EPA 8260D	1-13-22	1-13-22	
1,2-Dibromo-3-chloropropane	. ND	10	EPA 8260D	1-13-22	1-13-22	
1,2,4-Trichlorobenzene	ND	2.0	EPA 8260D	1-13-22	1-13-22	
Hexachlorobutadiene	ND	10	EPA 8260D	1-13-22	1-13-22	
Naphthalene	96	10	EPA 8260D	1-13-22	1-13-22	
1,2,3-Trichlorobenzene	ND	2.0	EPA 8260D	1-13-22	1-13-22	
Surrogate:	Percent Recovery	Control Limits				
Dibromofluoromethane	110	75-127				
_						

4-Bromofluorobenzene

Toluene-d8

80-127

78-125

104

103

VOLATILE ORGANICS EPA 8260D QUALITY CONTROL

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Matrix: Water Units: ug/L

				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0113W1					
Dichlorodifluoromethane	ND	0.20	EPA 8260D	1-13-22	1-13-22	
Chloromethane	ND	1.0	EPA 8260D	1-13-22	1-13-22	
Vinyl Chloride	ND	0.20	EPA 8260D	1-13-22	1-13-22	
Bromomethane	ND	0.20	EPA 8260D	1-13-22	1-13-22	
Chloroethane	ND	1.0	EPA 8260D	1-13-22	1-13-22	
Trichlorofluoromethane	ND	0.20	EPA 8260D	1-13-22	1-13-22	
1,1-Dichloroethene	ND	0.20	EPA 8260D	1-13-22	1-13-22	
Acetone	ND	5.0	EPA 8260D	1-13-22	1-13-22	
lodomethane	ND	6.3	EPA 8260D	1-13-22	1-13-22	
Carbon Disulfide	ND	0.20	EPA 8260D	1-13-22	1-13-22	
Methylene Chloride	ND	1.0	EPA 8260D	1-13-22	1-13-22	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260D	1-13-22	1-13-22	
Methyl t-Butyl Ether	ND	0.20	EPA 8260D	1-13-22	1-13-22	
1,1-Dichloroethane	ND	0.20	EPA 8260D	1-13-22	1-13-22	
Vinyl Acetate	ND	1.0	EPA 8260D	1-13-22	1-13-22	
2,2-Dichloropropane	ND	0.20	EPA 8260D	1-13-22	1-13-22	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260D	1-13-22	1-13-22	
2-Butanone	ND	5.0	EPA 8260D	1-13-22	1-13-22	
Bromochloromethane	ND	0.20	EPA 8260D	1-13-22	1-13-22	
Chloroform	ND	0.20	EPA 8260D	1-13-22	1-13-22	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	1-13-22	1-13-22	
Carbon Tetrachloride	ND	0.20	EPA 8260D	1-13-22	1-13-22	
1,1-Dichloropropene	ND	0.20	EPA 8260D	1-13-22	1-13-22	
Benzene	ND	0.20	EPA 8260D	1-13-22	1-13-22	
1,2-Dichloroethane	ND	0.20	EPA 8260D	1-13-22	1-13-22	
Trichloroethene	ND	0.20	EPA 8260D	1-13-22	1-13-22	
1,2-Dichloropropane	ND	0.20	EPA 8260D	1-13-22	1-13-22	
Dibromomethane	ND	0.25	EPA 8260D	1-13-22	1-13-22	
Bromodichloromethane	ND	0.20	EPA 8260D	1-13-22	1-13-22	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	1-13-22	1-13-22	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260D	1-13-22	1-13-22	
Toluene	ND	1.0	EPA 8260D	1-13-22	1-13-22	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	1-13-22	1-13-22	

Project: 060172

VOLATILE ORGANICS EPA 8260D QUALITY CONTROL

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				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0113W1					
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	1-13-22	1-13-22	
Tetrachloroethene	ND	0.20	EPA 8260D	1-13-22	1-13-22	
1,3-Dichloropropane	ND	0.20	EPA 8260D	1-13-22	1-13-22	
2-Hexanone	ND	2.0	EPA 8260D	1-13-22	1-13-22	
Dibromochloromethane	ND	0.20	EPA 8260D	1-13-22	1-13-22	
1,2-Dibromoethane	ND	0.20	EPA 8260D	1-13-22	1-13-22	
Chlorobenzene	ND	0.20	EPA 8260D	1-13-22	1-13-22	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	1-13-22	1-13-22	
Ethylbenzene	ND	0.20	EPA 8260D	1-13-22	1-13-22	
m,p-Xylene	ND	0.40	EPA 8260D	1-13-22	1-13-22	
o-Xylene	ND	0.20	EPA 8260D	1-13-22	1-13-22	
Styrene	ND	0.20	EPA 8260D	1-13-22	1-13-22	
Bromoform	ND	1.0	EPA 8260D	1-13-22	1-13-22	
Isopropylbenzene	ND	0.20	EPA 8260D	1-13-22	1-13-22	
Bromobenzene	ND	0.20	EPA 8260D	1-13-22	1-13-22	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	1-13-22	1-13-22	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	1-13-22	1-13-22	
n-Propylbenzene	ND	0.20	EPA 8260D	1-13-22	1-13-22	
2-Chlorotoluene	ND	0.20	EPA 8260D	1-13-22	1-13-22	
4-Chlorotoluene	ND	0.20	EPA 8260D	1-13-22	1-13-22	
1,3,5-Trimethylbenzene	ND	0.20	EPA 8260D	1-13-22	1-13-22	
tert-Butylbenzene	ND	0.20	EPA 8260D	1-13-22	1-13-22	
1,2,4-Trimethylbenzene	ND	0.20	EPA 8260D	1-13-22	1-13-22	
sec-Butylbenzene	ND	0.20	EPA 8260D	1-13-22	1-13-22	
1,3-Dichlorobenzene	ND	0.20	EPA 8260D	1-13-22	1-13-22	
p-Isopropyltoluene	ND	0.20	EPA 8260D	1-13-22	1-13-22	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	1-13-22	1-13-22	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	1-13-22	1-13-22	
n-Butylbenzene	ND	0.20	EPA 8260D	1-13-22	1-13-22	
1,2-Dibromo-3-chloropropane		1.0	EPA 8260D	1-13-22	1-13-22	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260D	1-13-22	1-13-22	
Hexachlorobutadiene	ND	1.0	EPA 8260D	1-13-22	1-13-22	
Naphthalene	ND	1.0	EPA 8260D	1-13-22	1-13-22	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260D	1-13-22	1-13-22	
Surrogate:	Percent Recovery	Control Limits				
Dibromofluoromethane	111	75 127				

Surrogate: Percent Recovery Control Limit.

Dibromofluoromethane 111 75-127

Toluene-d8 105 80-127

4-Bromofluorobenzene 102 78-125



VOLATILE ORGANICS EPA 8260D QUALITY CONTROL

Matrix: Water Units: ug/L

					Per	cent	Recovery		RPD	
Analyte	Res	sult	Spike	Level	Rec	overy	Limits	RPD	Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB01	13W1								
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	10.7	11.1	10.0	10.0	107	111	78-125	4	19	
Benzene	10.3	10.5	10.0	10.0	103	105	80-119	2	16	
Trichloroethene	9.17	9.36	10.0	10.0	92	94	80-121	2	18	
Toluene	8.85	8.95	10.0	10.0	89	90	80-117	1	18	
Chlorobenzene	8.89	9.11	10.0	10.0	89	91	80-117	2	17	
Surrogate:										
Dibromofluoromethane					108	110	75-127			
Toluene-d8					103	104	80-127			
4-Bromofluorobenzene					102	104	78-125			

VOLATILE ORGANICS EPA 8260D

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Matrix: Soil Units: mg/kg

				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	CB-11-20-011222					
Laboratory ID:	01-094-05					
Dichlorodifluoromethane	ND	0.00060	EPA 8260D	1-13-22	1-13-22	
Chloromethane	ND	0.0030	EPA 8260D	1-13-22	1-13-22	
Vinyl Chloride	ND	0.00060	EPA 8260D	1-13-22	1-13-22	
Bromomethane	ND	0.0030	EPA 8260D	1-13-22	1-13-22	
Chloroethane	ND	0.0030	EPA 8260D	1-13-22	1-13-22	
Trichlorofluoromethane	ND	0.00060	EPA 8260D	1-13-22	1-13-22	
1,1-Dichloroethene	ND	0.00060	EPA 8260D	1-13-22	1-13-22	
Acetone	0.20	0.0060	EPA 8260D	1-13-22	1-13-22	
Iodomethane	ND	0.0041	EPA 8260D	1-13-22	1-13-22	
Carbon Disulfide	ND	0.00060	EPA 8260D	1-13-22	1-13-22	
Methylene Chloride	ND	0.0030	EPA 8260D	1-13-22	1-13-22	
(trans) 1,2-Dichloroethene	ND	0.00060	EPA 8260D	1-13-22	1-13-22	
Methyl t-Butyl Ether	ND	0.00060	EPA 8260D	1-13-22	1-13-22	
1,1-Dichloroethane	ND	0.00060	EPA 8260D	1-13-22	1-13-22	
Vinyl Acetate	ND	0.0030	EPA 8260D	1-13-22	1-13-22	
2,2-Dichloropropane	ND	0.00060	EPA 8260D	1-13-22	1-13-22	
(cis) 1,2-Dichloroethene	ND	0.00060	EPA 8260D	1-13-22	1-13-22	
2-Butanone	0.033	0.0030	EPA 8260D	1-13-22	1-13-22	
Bromochloromethane	ND	0.00060	EPA 8260D	1-13-22	1-13-22	
Chloroform	ND	0.00060	EPA 8260D	1-13-22	1-13-22	
1,1,1-Trichloroethane	ND	0.00060	EPA 8260D	1-13-22	1-13-22	
Carbon Tetrachloride	ND	0.00060	EPA 8260D	1-13-22	1-13-22	
1,1-Dichloropropene	ND	0.00060	EPA 8260D	1-13-22	1-13-22	
Benzene	ND	0.00060	EPA 8260D	1-13-22	1-13-22	
1,2-Dichloroethane	ND	0.00060	EPA 8260D	1-13-22	1-13-22	
Trichloroethene	ND	0.00060	EPA 8260D	1-13-22	1-13-22	
1,2-Dichloropropane	ND	0.00060	EPA 8260D	1-13-22	1-13-22	
Dibromomethane	ND	0.00060	EPA 8260D	1-13-22	1-13-22	
Bromodichloromethane	ND	0.00060	EPA 8260D	1-13-22	1-13-22	
2-Chloroethyl Vinyl Ether	ND	0.0030	EPA 8260D	1-13-22	1-13-22	
(cis) 1,3-Dichloropropene	ND	0.00060	EPA 8260D	1-13-22	1-13-22	
Methyl Isobutyl Ketone	ND	0.0030	EPA 8260D	1-13-22	1-13-22	
Toluene	ND	0.0030	EPA 8260D	1-13-22	1-13-22	
(trans) 1,3-Dichloropropene	ND	0.00060	EPA 8260D	1-13-22	1-13-22	

VOLATILE ORGANICS EPA 8260D

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				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	CB-11-20-011222					
₋aboratory ID:	01-094-05					
1,1,2-Trichloroethane	ND	0.00060	EPA 8260D	1-13-22	1-13-22	
Tetrachloroethene	ND	0.00060	EPA 8260D	1-13-22	1-13-22	
1,3-Dichloropropane	ND	0.00060	EPA 8260D	1-13-22	1-13-22	
2-Hexanone	ND	0.0030	EPA 8260D	1-13-22	1-13-22	
Dibromochloromethane	ND	0.00060	EPA 8260D	1-13-22	1-13-22	
1,2-Dibromoethane	ND	0.00060	EPA 8260D	1-13-22	1-13-22	
Chlorobenzene	ND	0.00060	EPA 8260D	1-13-22	1-13-22	
1,1,1,2-Tetrachloroethane	ND	0.00060	EPA 8260D	1-13-22	1-13-22	
Ethylbenzene	ND	0.00060	EPA 8260D	1-13-22	1-13-22	
m,p-Xylene	ND	0.0012	EPA 8260D	1-13-22	1-13-22	
o-Xylene	ND	0.00060	EPA 8260D	1-13-22	1-13-22	
Styrene	ND	0.00060	EPA 8260D	1-13-22	1-13-22	
Bromoform	ND	0.0030	EPA 8260D	1-13-22	1-13-22	
lsopropylbenzene	ND	0.00060	EPA 8260D	1-13-22	1-13-22	
Bromobenzene	ND	0.00060	EPA 8260D	1-13-22	1-13-22	
1,1,2,2-Tetrachloroethane	ND	0.00060	EPA 8260D	1-13-22	1-13-22	
1,2,3-Trichloropropane	ND	0.00060	EPA 8260D	1-13-22	1-13-22	
n-Propylbenzene	0.00081	0.00060	EPA 8260D	1-13-22	1-13-22	
2-Chlorotoluene	ND	0.00060	EPA 8260D	1-13-22	1-13-22	
4-Chlorotoluene	ND	0.00060	EPA 8260D	1-13-22	1-13-22	
1,3,5-Trimethylbenzene	ND	0.00060	EPA 8260D	1-13-22	1-13-22	
tert-Butylbenzene	ND	0.00060	EPA 8260D	1-13-22	1-13-22	
1,2,4-Trimethylbenzene	0.0019	0.00060	EPA 8260D	1-13-22	1-13-22	
sec-Butylbenzene	ND	0.00060	EPA 8260D	1-13-22	1-13-22	
1,3-Dichlorobenzene	ND	0.00060	EPA 8260D	1-13-22	1-13-22	
o-Isopropyltoluene	ND	0.00060	EPA 8260D	1-13-22	1-13-22	
1,4-Dichlorobenzene	ND	0.00060	EPA 8260D	1-13-22	1-13-22	
1,2-Dichlorobenzene	ND	0.00060	EPA 8260D	1-13-22	1-13-22	
n-Butylbenzene	0.0013	0.00060	EPA 8260D	1-13-22	1-13-22	
1,2-Dibromo-3-chloropropane	. ND	0.0030	EPA 8260D	1-13-22	1-13-22	
1,2,4-Trichlorobenzene	ND	0.00060	EPA 8260D	1-13-22	1-13-22	
Hexachlorobutadiene	ND	0.0030	EPA 8260D	1-13-22	1-13-22	
Naphthalene	0.030	0.0030	EPA 8260D	1-13-22	1-13-22	
1,2,3-Trichlorobenzene	ND	0.00060	EPA 8260D	1-13-22	1-13-22	
Surrogate:	Percent Recovery	Control Limits				
Dibromofluoromethane	102	74-131				
Toluene-d8	103	78-128				
4-Bromofluorobenzene	101	71-130				

VOLATILE ORGANICS EPA 8260D

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Matrix: Soil Units: mg/kg

				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	CB-11-24-011222					
Laboratory ID:	01-094-06					
Dichlorodifluoromethane	ND	0.0015	EPA 8260D	1-13-22	1-13-22	
Chloromethane	ND	0.0075	EPA 8260D	1-13-22	1-13-22	
Vinyl Chloride	ND	0.0015	EPA 8260D	1-13-22	1-13-22	
Bromomethane	ND	0.0075	EPA 8260D	1-13-22	1-13-22	
Chloroethane	ND	0.0075	EPA 8260D	1-13-22	1-13-22	
Trichlorofluoromethane	ND	0.0015	EPA 8260D	1-13-22	1-13-22	
1,1-Dichloroethene	ND	0.0015	EPA 8260D	1-13-22	1-13-22	
Acetone	0.80	0.55	EPA 8260D	1-13-22	1-13-22	
Iodomethane	ND	0.010	EPA 8260D	1-13-22	1-13-22	
Carbon Disulfide	0.0018	0.0015	EPA 8260D	1-13-22	1-13-22	
Methylene Chloride	ND	0.0075	EPA 8260D	1-13-22	1-13-22	
(trans) 1,2-Dichloroethene	ND	0.0015	EPA 8260D	1-13-22	1-13-22	
Methyl t-Butyl Ether	ND	0.0015	EPA 8260D	1-13-22	1-13-22	
1,1-Dichloroethane	ND	0.0015	EPA 8260D	1-13-22	1-13-22	
Vinyl Acetate	ND	0.0075	EPA 8260D	1-13-22	1-13-22	
2,2-Dichloropropane	ND	0.0015	EPA 8260D	1-13-22	1-13-22	
(cis) 1,2-Dichloroethene	ND	0.0015	EPA 8260D	1-13-22	1-13-22	
2-Butanone	0.13	0.0075	EPA 8260D	1-13-22	1-13-22	
Bromochloromethane	ND	0.0015	EPA 8260D	1-13-22	1-13-22	
Chloroform	ND	0.0015	EPA 8260D	1-13-22	1-13-22	
1,1,1-Trichloroethane	ND	0.0015	EPA 8260D	1-13-22	1-13-22	
Carbon Tetrachloride	ND	0.0015	EPA 8260D	1-13-22	1-13-22	
1,1-Dichloropropene	ND	0.0015	EPA 8260D	1-13-22	1-13-22	
Benzene	ND	0.0015	EPA 8260D	1-13-22	1-13-22	
1,2-Dichloroethane	ND	0.0015	EPA 8260D	1-13-22	1-13-22	
Trichloroethene	ND	0.0015	EPA 8260D	1-13-22	1-13-22	
1,2-Dichloropropane	ND	0.0015	EPA 8260D	1-13-22	1-13-22	
Dibromomethane	ND	0.0015	EPA 8260D	1-13-22	1-13-22	
Bromodichloromethane	ND	0.0015	EPA 8260D	1-13-22	1-13-22	
2-Chloroethyl Vinyl Ether	ND	0.0075	EPA 8260D	1-13-22	1-13-22	
(cis) 1,3-Dichloropropene	ND	0.0015	EPA 8260D	1-13-22	1-13-22	
Methyl Isobutyl Ketone	ND	0.0075	EPA 8260D	1-13-22	1-13-22	
Toluene	ND	0.0075	EPA 8260D	1-13-22	1-13-22	
(trans) 1,3-Dichloropropene	e ND	0.0015	EPA 8260D	1-13-22	1-13-22	

VOLATILE ORGANICS EPA 8260D

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Analyto	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Analyte Client ID:	CB-11-24-011222	FWL	METHOR	riepaieu	Allalyzeu	riays
Laboratory ID:	01-094-06	0.0015	EDA 0200D	4 42 22	1-13-22	
1,1,2-Trichloroethane	ND		EPA 8260D	1-13-22		
Tetrachloroethene	ND	0.0015	EPA 8260D	1-13-22	1-13-22	
1,3-Dichloropropane	ND	0.0015	EPA 8260D	1-13-22	1-13-22	
2-Hexanone	ND	0.0075	EPA 8260D	1-13-22	1-13-22	
Dibromochloromethane	ND	0.0015	EPA 8260D	1-13-22	1-13-22	
1,2-Dibromoethane	ND	0.0015	EPA 8260D	1-13-22	1-13-22	
Chlorobenzene	ND	0.0015	EPA 8260D	1-13-22	1-13-22	
1,1,1,2-Tetrachloroethane	ND	0.0015	EPA 8260D	1-13-22	1-13-22	
Ethylbenzene	ND	0.0015	EPA 8260D	1-13-22	1-13-22	
m,p-Xylene	ND	0.0030	EPA 8260D	1-13-22	1-13-22	
o-Xylene	ND	0.0015	EPA 8260D	1-13-22	1-13-22	
Styrene	ND	0.0015	EPA 8260D	1-13-22	1-13-22	
Bromoform	ND	0.0075	EPA 8260D	1-13-22	1-13-22	
lsopropylbenzene	ND	0.0015	EPA 8260D	1-13-22	1-13-22	
Bromobenzene	ND	0.0015	EPA 8260D	1-13-22	1-13-22	
1,1,2,2-Tetrachloroethane	ND	0.0015	EPA 8260D	1-13-22	1-13-22	
1,2,3-Trichloropropane	ND	0.0015	EPA 8260D	1-13-22	1-13-22	
n-Propylbenzene	0.0031	0.0015	EPA 8260D	1-13-22	1-13-22	
2-Chlorotoluene	ND	0.0015	EPA 8260D	1-13-22	1-13-22	
4-Chlorotoluene	ND	0.0015	EPA 8260D	1-13-22	1-13-22	
1,3,5-Trimethylbenzene	ND	0.0015	EPA 8260D	1-13-22	1-13-22	
tert-Butylbenzene	ND	0.0015	EPA 8260D	1-13-22	1-13-22	
1,2,4-Trimethylbenzene	0.0077	0.0015	EPA 8260D	1-13-22	1-13-22	
sec-Butylbenzene	ND	0.0015	EPA 8260D	1-13-22	1-13-22	
1,3-Dichlorobenzene	ND	0.0015	EPA 8260D	1-13-22	1-13-22	
p-Isopropyltoluene	0.0058	0.0015	EPA 8260D	1-13-22	1-13-22	
1,4-Dichlorobenzene	ND	0.0015	EPA 8260D	1-13-22	1-13-22	
1,2-Dichlorobenzene	0.0020	0.0015	EPA 8260D	1-13-22	1-13-22	
n-Butylbenzene	0.0051	0.0015	EPA 8260D	1-13-22	1-13-22	
1,2-Dibromo-3-chloropropane		0.0075	EPA 8260D	1-13-22	1-13-22	
1,2,4-Trichlorobenzene	ND	0.0015	EPA 8260D	1-13-22	1-13-22	
Hexachlorobutadiene	ND	0.0075	EPA 8260D	1-13-22	1-13-22	
Naphthalene	0.25	0.0075	EPA 8260D	1-13-22	1-13-22	
1,2,3-Trichlorobenzene	ND	0.0015	EPA 8260D	1-13-22	1-13-22	
Surrogate:	Percent Recovery	Control Limits			: : : 	
Dibromofluoromethane	102	74-131				
Toluene-d8	101	78-128				
4-Bromofluorohenzene	100	71-130				

4-Bromofluorobenzene 100 71-130



VOLATILE ORGANICS EPA 8260D QUALITY CONTROL

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Matrix: Soil Units: mg/kg

Offits. Hig/kg				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0113S1					
Dichlorodifluoromethane	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
Chloromethane	ND	0.0050	EPA 8260D	1-13-22	1-13-22	
Vinyl Chloride	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
Bromomethane	ND	0.0050	EPA 8260D	1-13-22	1-13-22	
Chloroethane	ND	0.0050	EPA 8260D	1-13-22	1-13-22	
Trichlorofluoromethane	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
1,1-Dichloroethene	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
Acetone	ND	0.010	EPA 8260D	1-13-22	1-13-22	
lodomethane	ND	0.0069	EPA 8260D	1-13-22	1-13-22	
Carbon Disulfide	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
Methylene Chloride	ND	0.0050	EPA 8260D	1-13-22	1-13-22	
(trans) 1,2-Dichloroethene	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
Methyl t-Butyl Ether	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
1,1-Dichloroethane	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
Vinyl Acetate	ND	0.0050	EPA 8260D	1-13-22	1-13-22	
2,2-Dichloropropane	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
(cis) 1,2-Dichloroethene	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
2-Butanone	ND	0.0050	EPA 8260D	1-13-22	1-13-22	
Bromochloromethane	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
Chloroform	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
1,1,1-Trichloroethane	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
Carbon Tetrachloride	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
1,1-Dichloropropene	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
Benzene	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
1,2-Dichloroethane	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
Trichloroethene	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
1,2-Dichloropropane	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
Dibromomethane	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
Bromodichloromethane	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
2-Chloroethyl Vinyl Ether	ND	0.0050	EPA 8260D	1-13-22	1-13-22	
(cis) 1,3-Dichloropropene	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
Methyl Isobutyl Ketone	ND	0.0050	EPA 8260D	1-13-22	1-13-22	
Toluene	ND	0.0050	EPA 8260D	1-13-22	1-13-22	
(trans) 1,3-Dichloropropene	ND	0.0010	EPA 8260D	1-13-22	1-13-22	

VOLATILE ORGANICS EPA 8260D QUALITY CONTROL

page 2 of 2

				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0113S1					
1,1,2-Trichloroethane	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
Tetrachloroethene	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
1,3-Dichloropropane	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
2-Hexanone	ND	0.0050	EPA 8260D	1-13-22	1-13-22	
Dibromochloromethane	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
1,2-Dibromoethane	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
Chlorobenzene	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
1,1,1,2-Tetrachloroethane	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
Ethylbenzene	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
m,p-Xylene	ND	0.0020	EPA 8260D	1-13-22	1-13-22	
o-Xylene	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
Styrene	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
Bromoform	ND	0.0050	EPA 8260D	1-13-22	1-13-22	
Isopropylbenzene	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
Bromobenzene	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
1,1,2,2-Tetrachloroethane	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
1,2,3-Trichloropropane	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
n-Propylbenzene	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
2-Chlorotoluene	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
4-Chlorotoluene	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
1,3,5-Trimethylbenzene	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
tert-Butylbenzene	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
1,2,4-Trimethylbenzene	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
sec-Butylbenzene	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
1,3-Dichlorobenzene	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
p-Isopropyltoluene	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
1,4-Dichlorobenzene	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
1,2-Dichlorobenzene	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
n-Butylbenzene	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
1,2-Dibromo-3-chloropropane	ND	0.0050	EPA 8260D	1-13-22	1-13-22	
1,2,4-Trichlorobenzene	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
Hexachlorobutadiene	ND	0.0050	EPA 8260D	1-13-22	1-13-22	
Naphthalene	ND	0.0050	EPA 8260D	1-13-22	1-13-22	
1,2,3-Trichlorobenzene	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
Surrogate:	Percent Recovery	Control Limits				
Dibromofluoromethane	102	74-131				
Toluene-d8	101	78-128				
4-Bromofluorobenzene	102	71-130				

VOLATILE ORGANICS EPA 8260D QUALITY CONTROL

Matrix: Soil Units: mg/kg

					Per	cent	Recovery		RPD	
Analyte	Res	sult	Spike	Level	Reco	overy	Limits	RPD	Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB01	13S1								
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	0.0520	0.0528	0.0500	0.0500	104	106	71-131	2	19	
Benzene	0.0511	0.0533	0.0500	0.0500	102	107	73-124	4	18	
Trichloroethene	0.0530	0.0551	0.0500	0.0500	106	110	79-130	4	18	
Toluene	0.0505	0.0512	0.0500	0.0500	101	102	76-123	1	18	
Chlorobenzene	0.0496	0.0508	0.0500	0.0500	99	102	78-122	2	18	
Surrogate:										
Dibromofluoromethane					101	104	74-131			
Toluene-d8					102	102	78-128			
4-Bromofluorobenzene					108	107	71-130			

% MOISTURE

Client ID	Lab ID	% Moisture	Date Analyzed
CB-11-20-011222	01-094-05	21	1-13-22
CB-11-24-011222	01-094-06	23	1-13-22



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 gas.
- 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.
- 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 The sample chromatogram is similar to mineral spirits.
- ND Not Detected at PQL
- PQL Practical Quantitation Limit
- RPD Relative Percent Difference





Chain of Custody

- 500	Tuco		

(EDDs)	Electronic Data Deliverables (EDDs)	Electroni		Chromatograms with final report	h fina	ns wit	togran	romat	Chr							10	Reviewed/Date			Reviewed/Date
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					4	94	0	1	0	iber:	Nun	lory	Laboratory Number:	Lat		est s)	Turnaround Request (in working days)	Turn (in	Analytical Laboratory Testing Services 14648 NE 95th Street • Redmond, WA 98052	



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

January 27, 2022

Jeremy Porter Aspect Consulting Dexter Horton Building 710 2nd Avenue, Suite 550 Seattle, WA 98104

Re: Analytical Data for Project 060172

Laboratory Reference No. 2201-212

Dear Jeremy:

Enclosed are the analytical results and associated quality control data for samples submitted on January 26, 2022.

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,

David Baumeister Project Manager

Enclosures



Project: 060172

Case Narrative

Samples were collected on January 26, 2022 and received by the laboratory on January 26, 2022. 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.

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.

Project: 060172

VOLATILE ORGANICS EPA 8260D

page 1 of 2

Matrix: Water Units: ug/L

Analyto	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Analyte Client ID:	MW-10-012622	PQL	Method	Prepareu	Analyzeu	riays
Laboratory ID:	01-212-01					
Dichlorodifluoromethane	ND	4.0	EPA 8260D	1-26-22	1-26-22	
Chloromethane	ND	20	EPA 8260D	1-26-22	1-26-22	
Vinyl Chloride	ND	4.0	EPA 8260D	1-26-22	1-26-22	
Bromomethane	ND	20	EPA 8260D	1-26-22	1-26-22	
Chloroethane	ND	20	EPA 8260D	1-26-22	1-26-22	
Trichlorofluoromethane	ND	4.0	EPA 8260D	1-26-22	1-26-22	
1,1-Dichloroethene	ND	4.0	EPA 8260D	1-26-22	1-26-22	
Acetone	1000	100	EPA 8260D	1-26-22	1-26-22	
lodomethane	ND	100	EPA 8260D	1-26-22	1-26-22	
Carbon Disulfide	ND	4.0	EPA 8260D	1-26-22	1-26-22	
Methylene Chloride	ND	20	EPA 8260D	1-26-22	1-26-22	
(trans) 1,2-Dichloroethene	ND	4.0	EPA 8260D	1-26-22	1-26-22	
Methyl t-Butyl Ether	ND	4.0	EPA 8260D	1-26-22	1-26-22	
1,1-Dichloroethane	ND	4.0	EPA 8260D	1-26-22	1-26-22	
Vinyl Acetate	ND	20	EPA 8260D	1-26-22	1-26-22	
2,2-Dichloropropane	ND	4.0	EPA 8260D	1-26-22	1-26-22	
(cis) 1,2-Dichloroethene	44	4.0	EPA 8260D	1-26-22	1-26-22	
2-Butanone	200	100	EPA 8260D	1-26-22	1-26-22	
Bromochloromethane	ND	4.0	EPA 8260D	1-26-22	1-26-22	
Chloroform	ND	4.0	EPA 8260D	1-26-22	1-26-22	
1,1,1-Trichloroethane	ND	4.0	EPA 8260D	1-26-22	1-26-22	
Carbon Tetrachloride	ND	4.0	EPA 8260D	1-26-22	1-26-22	
1,1-Dichloropropene	ND	4.0	EPA 8260D	1-26-22	1-26-22	
Benzene	ND	4.0	EPA 8260D	1-26-22	1-26-22	
1,2-Dichloroethane	ND	4.0	EPA 8260D	1-26-22	1-26-22	
Trichloroethene	ND	4.0	EPA 8260D	1-26-22	1-26-22	
1,2-Dichloropropane	ND	4.0	EPA 8260D	1-26-22	1-26-22	
Dibromomethane	ND	4.0	EPA 8260D	1-26-22	1-26-22	
Bromodichloromethane	ND	4.0	EPA 8260D	1-26-22	1-26-22	
(cis) 1,3-Dichloropropene	ND	4.0	EPA 8260D	1-26-22	1-26-22	
Methyl Isobutyl Ketone	ND	40	EPA 8260D	1-26-22	1-26-22	
Toluene	ND	20	EPA 8260D	1-26-22	1-26-22	
(trans) 1,3-Dichloropropene	ND	4.0	EPA 8260D	1-26-22	1-26-22	

Project: 060172

VOLATILE ORGANICS EPA 8260D

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				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	MW-10-012622					
Laboratory ID:	01-212-01					
1,1,2-Trichloroethane	ND	4.0	EPA 8260D	1-26-22	1-26-22	
Tetrachloroethene	ND	4.0	EPA 8260D	1-26-22	1-26-22	
1,3-Dichloropropane	ND	4.0	EPA 8260D	1-26-22	1-26-22	
2-Hexanone	ND	40	EPA 8260D	1-26-22	1-26-22	
Dibromochloromethane	ND	4.0	EPA 8260D	1-26-22	1-26-22	
1,2-Dibromoethane	ND	4.0	EPA 8260D	1-26-22	1-26-22	
Chlorobenzene	ND	4.0	EPA 8260D	1-26-22	1-26-22	
1,1,1,2-Tetrachloroethane	ND	4.0	EPA 8260D	1-26-22	1-26-22	
Ethylbenzene	ND	4.0	EPA 8260D	1-26-22	1-26-22	
m,p-Xylene	ND	8.0	EPA 8260D	1-26-22	1-26-22	
o-Xylene	ND	4.0	EPA 8260D	1-26-22	1-26-22	
Styrene	ND	4.0	EPA 8260D	1-26-22	1-26-22	
Bromoform	ND	20	EPA 8260D	1-26-22	1-26-22	
Isopropylbenzene	ND	4.0	EPA 8260D	1-26-22	1-26-22	
Bromobenzene	ND	4.0	EPA 8260D	1-26-22	1-26-22	
1,1,2,2-Tetrachloroethane	ND	4.0	EPA 8260D	1-26-22	1-26-22	
1,2,3-Trichloropropane	ND	4.0	EPA 8260D	1-26-22	1-26-22	
n-Propylbenzene	ND	4.0	EPA 8260D	1-26-22	1-26-22	
2-Chlorotoluene	ND	4.0	EPA 8260D	1-26-22	1-26-22	
4-Chlorotoluene	ND	4.0	EPA 8260D	1-26-22	1-26-22	
1,3,5-Trimethylbenzene	ND	4.0	EPA 8260D	1-26-22	1-26-22	
tert-Butylbenzene	ND	4.0	EPA 8260D	1-26-22	1-26-22	
1,2,4-Trimethylbenzene	ND	4.0	EPA 8260D	1-26-22	1-26-22	
sec-Butylbenzene	ND	4.0	EPA 8260D	1-26-22	1-26-22	
1,3-Dichlorobenzene	ND	4.0	EPA 8260D	1-26-22	1-26-22	
p-Isopropyltoluene	ND	4.0	EPA 8260D	1-26-22	1-26-22	
1,4-Dichlorobenzene	ND	4.0	EPA 8260D	1-26-22	1-26-22	
1,2-Dichlorobenzene	ND	4.0	EPA 8260D	1-26-22	1-26-22	
n-Butylbenzene	ND	4.0	EPA 8260D	1-26-22	1-26-22	
1,2-Dibromo-3-chloropropane	ND	20	EPA 8260D	1-26-22	1-26-22	
1,2,4-Trichlorobenzene	ND	4.0	EPA 8260D	1-26-22	1-26-22	
Hexachlorobutadiene	ND	20	EPA 8260D	1-26-22	1-26-22	
Naphthalene	130	20	EPA 8260D	1-26-22	1-26-22	
1,2,3-Trichlorobenzene	ND	4.0	EPA 8260D	1-26-22	1-26-22	
Surrogate:	Percent Recovery	Control Limits				
Dibromofluoromethane	111	75-127				
Talvana dO	100	00.407				

 Dibromofluoromethane
 111
 75-127

 Toluene-d8
 102
 80-127

 4-Bromofluorobenzene
 98
 78-125



Project: 060172

VOLATILE ORGANICS EPA 8260D

page 1 of 2

Matrix: Water Units: ug/L

Analyto	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Analyte Client ID:	MW-2R-012622	PQL	Metriou	Prepareu	Analyzeu	riays
Laboratory ID:	01-212-02					
Dichlorodifluoromethane	ND	1.0	EPA 8260D	1-26-22	1-26-22	
Chloromethane	ND	5.0	EPA 8260D	1-26-22	1-20-22	
Vinyl Chloride	3.4	1.0	EPA 8260D	1-26-22	1-20-22	
Bromomethane	ND	5.0	EPA 8260D	1-26-22	1-26-22	
Chloroethane	ND	5.0	EPA 8260D	1-26-22	1-26-22	
Trichlorofluoromethane	ND	1.0	EPA 8260D	1-26-22	1-26-22	
1,1-Dichloroethene	ND ND	1.0	EPA 8260D	1-26-22	1-20-22	
Acetone	380	25	EPA 8260D	1-26-22	1-26-22	
lodomethane	ND	25 25	EPA 8260D	1-26-22	1-26-22	
Carbon Disulfide	ND ND	1.0	EPA 8260D	1-26-22	1-26-22	
Methylene Chloride	ND ND	5.0	EPA 8260D	1-26-22	1-26-22	
	ND ND	1.0	EPA 8260D	1-26-22	1-26-22	
(trans) 1,2-Dichloroethene	ND ND	1.0	EPA 8260D	1-26-22	1-26-22	
Methyl t-Butyl Ether						
1,1-Dichloroethane	ND	1.0 5.0	EPA 8260D	1-26-22	1-26-22	
Vinyl Acetate	ND		EPA 8260D	1-26-22	1-26-22	
2,2-Dichloropropane	ND	1.0	EPA 8260D	1-26-22	1-26-22	
(cis) 1,2-Dichloroethene	55	1.0	EPA 8260D	1-26-22	1-26-22	
2-Butanone	81	25	EPA 8260D	1-26-22	1-26-22	
Bromochloromethane	ND	1.0	EPA 8260D	1-26-22	1-26-22	
Chloroform	ND	1.0	EPA 8260D	1-26-22	1-26-22	
1,1,1-Trichloroethane	ND	1.0	EPA 8260D	1-26-22	1-26-22	
Carbon Tetrachloride	ND	1.0	EPA 8260D	1-26-22	1-26-22	
1,1-Dichloropropene	ND	1.0	EPA 8260D	1-26-22	1-26-22	
Benzene	2.5	1.0	EPA 8260D	1-26-22	1-26-22	
1,2-Dichloroethane	1.2	1.0	EPA 8260D	1-26-22	1-26-22	
Trichloroethene	3.9	1.0	EPA 8260D	1-26-22	1-26-22	
1,2-Dichloropropane	ND	1.0	EPA 8260D	1-26-22	1-26-22	
Dibromomethane	ND	1.0	EPA 8260D	1-26-22	1-26-22	
Bromodichloromethane	ND	1.0	EPA 8260D	1-26-22	1-26-22	
(cis) 1,3-Dichloropropene	ND	1.0	EPA 8260D	1-26-22	1-26-22	
Methyl Isobutyl Ketone	ND	10	EPA 8260D	1-26-22	1-26-22	
Toluene	ND	5.0	EPA 8260D	1-26-22	1-26-22	
(trans) 1,3-Dichloropropene	ND	1.0	EPA 8260D	1-26-22	1-26-22	

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				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	MW-2R-012622					
Laboratory ID:	01-212-02					
1,1,2-Trichloroethane	ND	1.0	EPA 8260D	1-26-22	1-26-22	
Tetrachloroethene	ND	1.0	EPA 8260D	1-26-22	1-26-22	
1,3-Dichloropropane	ND	1.0	EPA 8260D	1-26-22	1-26-22	
2-Hexanone	ND	10	EPA 8260D	1-26-22	1-26-22	
Dibromochloromethane	ND	1.0	EPA 8260D	1-26-22	1-26-22	
1,2-Dibromoethane	ND	1.0	EPA 8260D	1-26-22	1-26-22	
Chlorobenzene	ND	1.0	EPA 8260D	1-26-22	1-26-22	
1,1,1,2-Tetrachloroethane	ND	1.0	EPA 8260D	1-26-22	1-26-22	
Ethylbenzene	ND	1.0	EPA 8260D	1-26-22	1-26-22	
m,p-Xylene	ND	2.0	EPA 8260D	1-26-22	1-26-22	
o-Xylene	ND	1.0	EPA 8260D	1-26-22	1-26-22	
Styrene	ND	1.0	EPA 8260D	1-26-22	1-26-22	
Bromoform	ND	5.0	EPA 8260D	1-26-22	1-26-22	
Isopropylbenzene	ND	1.0	EPA 8260D	1-26-22	1-26-22	
Bromobenzene	ND	1.0	EPA 8260D	1-26-22	1-26-22	
1,1,2,2-Tetrachloroethane	ND	1.0	EPA 8260D	1-26-22	1-26-22	
1,2,3-Trichloropropane	ND	1.0	EPA 8260D	1-26-22	1-26-22	
n-Propylbenzene	ND	1.0	EPA 8260D	1-26-22	1-26-22	
2-Chlorotoluene	ND	1.0	EPA 8260D	1-26-22	1-26-22	
4-Chlorotoluene	ND	1.0	EPA 8260D	1-26-22	1-26-22	
1,3,5-Trimethylbenzene	ND	1.0	EPA 8260D	1-26-22	1-26-22	
tert-Butylbenzene	ND	1.0	EPA 8260D	1-26-22	1-26-22	
1,2,4-Trimethylbenzene	2.4	1.0	EPA 8260D	1-26-22	1-26-22	
sec-Butylbenzene	ND	1.0	EPA 8260D	1-26-22	1-26-22	
1,3-Dichlorobenzene	ND	1.0	EPA 8260D	1-26-22	1-26-22	
p-Isopropyltoluene	7.9	1.0	EPA 8260D	1-26-22	1-26-22	
1,4-Dichlorobenzene	ND	1.0	EPA 8260D	1-26-22	1-26-22	
1,2-Dichlorobenzene	ND	1.0	EPA 8260D	1-26-22	1-26-22	
n-Butylbenzene	ND	1.0	EPA 8260D	1-26-22	1-26-22	
1,2-Dibromo-3-chloropropane	ND	5.0	EPA 8260D	1-26-22	1-26-22	
1,2,4-Trichlorobenzene	ND	1.0	EPA 8260D	1-26-22	1-26-22	
Hexachlorobutadiene	ND	5.0	EPA 8260D	1-26-22	1-26-22	
Naphthalene	230	5.0	EPA 8260D	1-26-22	1-26-22	
1,2,3-Trichlorobenzene	ND	1.0	EPA 8260D	1-26-22	1-26-22	
Surrogate:	Percent Recovery	Control Limits				
Dibromofluoromethane	110	75-127				
-						

áh.

Toluene-d8

4-Bromofluorobenzene

80-127

78-125

101

99

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Matrix: Water Units: ug/L

Client ID:					Date	Date	
Suboratory D: O1-212-03 Dichlorodiffluoromethane ND O.20 EPA 8260D 1-26-22 1-2	Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Dichlorodiffuoromethane	Client ID:	MW-4-012622					
Chloromethane	Laboratory ID:	01-212-03					
Variage Vari	Dichlorodifluoromethane	ND	0.20	EPA 8260D	1-26-22	1-26-22	
Promomethane ND	Chloromethane	ND	1.0	EPA 8260D	1-26-22	1-26-22	
Chloroethane	Vinyl Chloride	9.6	0.20	EPA 8260D	1-26-22	1-26-22	
Trichlorofluoromethane	Bromomethane	ND	1.0	EPA 8260D	1-26-22	1-26-22	
1,1-Dichloroethene	Chloroethane	ND	1.0	EPA 8260D	1-26-22	1-26-22	
Acetone ND 5.0 EPA 8260D 1-26-22 1-26-22 codomethane ND 5.0 EPA 8260D 1-26-22 1-26-22 codomethane ND 5.0 EPA 8260D 1-26-22 1-26-22 1-26-22 codomethane ND 0.20 EPA 8260D 1-26-22 1-26-22 codomethane ND 0.20 E	Trichlorofluoromethane	ND	0.20	EPA 8260D	1-26-22	1-26-22	
odomethane ND 5.0 EPA 8260D 1-26-22 1-26-22 Carbon Disulfide ND 0.20 EPA 8260D 1-26-22 1-26-22 Methylene Chloride 6.0 1.0 EPA 8260D 1-26-22 1-26-22 Irans) 1,2-Dichloroethene 0.24 0.20 EPA 8260D 1-26-22 1-26-22 Methyl Ether ND 0.20 EPA 8260D 1-26-22 1-26-22 I,1-Dichloroethane ND 0.20 EPA 8260D 1-26-22 1-26-22 I,1-Dichloropropane ND 1.0 EPA 8260D 1-26-22 1-26-22 2,2-Dichloropropane ND 0.20 EPA 8260D 1-26-22 1-26-22 2,2-Dichloroethene 36 0.20 EPA 8260D 1-26-22 1-26-22 2,2-Dichloroethane ND 0.20 EPA 8260D 1-26-22 1-26-22 2-Butanone ND 0.20 EPA 8260D 1-26-22 1-26-22 2-Butanone ND 0.20 EPA 8260D 1-26-22 1-	1,1-Dichloroethene	ND	0.20	EPA 8260D	1-26-22	1-26-22	
Carbon Disulfide ND 0.20 EPA 8260D 1-26-22 1-26-22 Methylene Chloride 6.0 1.0 EPA 8260D 1-26-22 1-26-22 Itrans) 1,2-Dichloroethene 0.24 0.20 EPA 8260D 1-26-22 1-26-22 Methyl t-Butyl Ether ND 0.20 EPA 8260D 1-26-22 1-26-22 J,1-Dichloroethane ND 0.20 EPA 8260D 1-26-22 1-26-22 J/inyl Acetate ND 1.0 EPA 8260D 1-26-22 1-26-22 J,2-Dichloropropane ND 0.20 EPA 8260D 1-26-22 1-26-22 J,2-Dichloroethene 36 0.20 EPA 8260D 1-26-22 1-26-22 Butanone ND 5.0 EPA 8260D 1-26-22 1-26-22 Butanone ND 0.20 EPA 8260D 1-26-22 1-26-22 Bromochloromethane ND 0.20 EPA 8260D 1-26-22 1-26-22 LJ,1-Trichloroethane ND 0.20 EPA 8260D 1-26-22	Acetone	ND	5.0	EPA 8260D	1-26-22	1-26-22	
Methylene Chloride 6.0 1.0 EPA 8260D 1-26-22 1-26-22 trans) 1,2-Dichloroethene 0.24 0.20 EPA 8260D 1-26-22 1-26-22 Methyl t-Butyl Ether ND 0.20 EPA 8260D 1-26-22 1-26-22 I,1-Dichloroethane ND 0.20 EPA 8260D 1-26-22 1-26-22 J/inyl Acetate ND 1.0 EPA 8260D 1-26-22 1-26-22 J-2-Dichloropropane ND 0.20 EPA 8260D 1-26-22 1-26-22 J-2-Dichloroethene 36 0.20 EPA 8260D 1-26-22 1-26-22 P-2-Butanone ND 5.0 EPA 8260D 1-26-22 1-26-22 P-2-Butanone ND 5.0 EPA 8260D 1-26-22 1-26-22 P-2-Butanone ND 0.20 EPA 8260D 1-26-22 1-26-22 P-2-Butanone ND 0.20 EPA 8260D 1-26-22 1-26-22 P-2-Butanone ND 0.20 EPA 8260D 1-26-22 1-26	lodomethane	ND	5.0	EPA 8260D	1-26-22	1-26-22	
trans) 1,2-Dichloroethene 0.24 0.20 EPA 8260D 1-26-22 1-26-22 Methyl t-Butyl Ether ND 0.20 EPA 8260D 1-26-22 1-26-22 I,1-Dichloroethane ND 0.20 EPA 8260D 1-26-22 1-26-22 I/inyl Acetate ND 1.0 EPA 8260D 1-26-22 1-26-22 2,2-Dichloropropane ND 0.20 EPA 8260D 1-26-22 1-26-22 2,2-Dichloroethene 36 0.20 EPA 8260D 1-26-22 1-26-22 2,2-Butanone ND 5.0 EPA 8260D 1-26-22 1-26-22 2-Butanone ND 0.20 EPA 8260D 1-26-22 1-26-22 2-Butanone ND 0.20 EPA 8260D 1-26-22 1-26-22 3-Chloroform ND 0.20 EPA 8260D 1-26-22 1-26-22 1,1,1-Tirchloroethane ND 0.20 EPA 8260D 1-26-22 1-26-22 1,1-Dichloropropene ND 0.20 EPA 8260D 1-26-22 <	Carbon Disulfide	ND	0.20	EPA 8260D	1-26-22	1-26-22	
Methyl t-Butyl Ether ND 0.20 EPA 8260D 1-26-22 1-26-22 1,1-Dichloroethane ND 0.20 EPA 8260D 1-26-22 1-26-22 2,2-Dichloropropane ND 1.0 EPA 8260D 1-26-22 1-26-22 2,2-Dichloropropane ND 0.20 EPA 8260D 1-26-22 1-26-22 cis) 1,2-Dichloroethene 36 0.20 EPA 8260D 1-26-22 1-26-22 2-Butanone ND 5.0 EPA 8260D 1-26-22 1-26-22 36 comochloromethane ND 0.20 EPA 8260D 1-26-22 1-26-22 37 comochloromethane ND 0.20 EPA 8260D 1-26-22 1-26-22 1,1,1-Trichloroethane ND 0.20 EPA 8260D 1-26-22 1-26-22 1,1-Dichloropropene ND 0.20 EPA 8260D 1-26-22 1-26-22 1,1-Dichloropropene ND 0.20 EPA 8260D 1-26-22 1-26-22 1,2-Dichloropropene ND 0.20 EPA 8260D	Methylene Chloride	6.0	1.0	EPA 8260D	1-26-22	1-26-22	
1,1-Dichloroethane	(trans) 1,2-Dichloroethene	0.24	0.20	EPA 8260D	1-26-22	1-26-22	
Arinyl Acetate ND 1.0 EPA 8260D 1-26-22 1-26-22 2,2-Dichloropropane ND 0.20 EPA 8260D 1-26-22 1-26-22 2,2-Dichloroethene 36 0.20 EPA 8260D 1-26-22 1-26-22 2-Butanone ND 5.0 EPA 8260D 1-26-22 1-26-22 3-Gromochloromethane ND 0.20 EPA 8260D 1-26-22 1-26-22 3-Chloroform ND 0.20 EPA 8260D 1-26-22 1-26-22 3-L,1-Trichloroethane ND 0.20 EPA 8260D 1-26-22 1-26-22 3-L,1-Dichloroethane ND 0.20 EPA 8260D 1-26-22 1-26-22 3-L,1-Dichloropropene ND 0.20 EPA 8260D 1-26-22 1-26-22 3-L,2-Dichloroethane ND 0.20 EPA 8260D 1-26-22 1-26-22 3-L,2-Dichloropropane ND 0.20 EPA 8260D 1-26-22 1-26-22 3-L,2-Dichloropropane ND 0.20 EPA 8260D 1-26-	Methyl t-Butyl Ether	ND	0.20	EPA 8260D	1-26-22	1-26-22	
2,2-Dichloropropane ND 0.20 EPA 8260D 1-26-22	1,1-Dichloroethane	ND	0.20	EPA 8260D	1-26-22	1-26-22	
cis) 1,2-Dichloroethene 36 0.20 EPA 8260D 1-26-22 1-26-22 2-Butanone ND 5.0 EPA 8260D 1-26-22 1-26-22 Bromochloromethane ND 0.20 EPA 8260D 1-26-22 1-26-22 Chloroform ND 0.20 EPA 8260D 1-26-22 1-26-22 I,1,1-Trichloroethane ND 0.20 EPA 8260D 1-26-22 1-26-22 Carbon Tetrachloride ND 0.20 EPA 8260D 1-26-22 1-26-22 I,1-Dichloropropene ND 0.20 EPA 8260D 1-26-22 1-26-22 I,2-Dichloropropene ND 0.20 EPA 8260D 1-26-22 1-26-22 I,2-Dichloroethane ND 0.20 EPA 8260D 1-26-22 1-26-22 I,2-Dichloropropane ND 0.20 EPA 8260D 1-26-22 1-26-22 I,2-Dichloropropane ND 0.20 EPA 8260D 1-26-22 1-26-22 Bromodichloromethane ND 0.20 EPA 8260D 1-26-	/inyl Acetate	ND	1.0	EPA 8260D	1-26-22	1-26-22	
Page	2,2-Dichloropropane	ND	0.20	EPA 8260D	1-26-22	1-26-22	
Stomochloromethane ND 0.20 EPA 8260D 1-26-22	(cis) 1,2-Dichloroethene	36	0.20	EPA 8260D	1-26-22	1-26-22	
Chloroform ND 0.20 EPA 8260D 1-26-22 1-26-22 I,1,1-Trichloroethane ND 0.20 EPA 8260D 1-26-22 1-26-22 Carbon Tetrachloride ND 0.20 EPA 8260D 1-26-22 1-26-22 I,1-Dichloropropene ND 0.20 EPA 8260D 1-26-22 1-26-22 Benzene 0.60 0.20 EPA 8260D 1-26-22 1-26-22 I,2-Dichloroethane ND 0.20 EPA 8260D 1-26-22 1-26-22 I,2-Dichloropropane ND 0.20 EPA 8260D 1-26-22 1-26-22 I,2-Dichloropropane ND 0.20 EPA 8260D 1-26-22 1-26-22 Dibromomethane ND 0.20 EPA 8260D 1-26-22 1-26-22 Bromodichloromethane ND 0.20 EPA 8260D 1-26-22 1-26-22 Cis) 1,3-Dichloropropene ND 0.20 EPA 8260D 1-26-22 1-26-22 Methyl Isobutyl Ketone ND 1.0 EPA 8260D 1-26-2	2-Butanone	ND	5.0	EPA 8260D	1-26-22	1-26-22	
1,1,1-Trichloroethane	Bromochloromethane	ND	0.20	EPA 8260D	1-26-22	1-26-22	
Carbon Tetrachloride ND 0.20 EPA 8260D 1-26-22 1-26-22 I,1-Dichloropropene ND 0.20 EPA 8260D 1-26-22 1-26-22 Benzene 0.60 0.20 EPA 8260D 1-26-22 1-26-22 I,2-Dichloroethane ND 0.20 EPA 8260D 1-26-22 1-26-22 Irichloroethene 0.22 0.20 EPA 8260D 1-26-22 1-26-22 I,2-Dichloropropane ND 0.20 EPA 8260D 1-26-22 1-26-22 Dibromomethane ND 0.20 EPA 8260D 1-26-22 1-26-22 Bromodichloromethane ND 0.20 EPA 8260D 1-26-22 1-26-22 cis) 1,3-Dichloropropene ND 0.20 EPA 8260D 1-26-22 1-26-22 Methyl Isobutyl Ketone ND 2.0 EPA 8260D 1-26-22 1-26-22 Toluene ND 1.0 EPA 8260D 1-26-22 1-26-22	Chloroform	ND	0.20	EPA 8260D	1-26-22	1-26-22	
1,1-Dichloropropene	1,1,1-Trichloroethane	ND	0.20	EPA 8260D	1-26-22	1-26-22	
Benzene 0.60 0.20 EPA 8260D 1-26-22 1-26-22 I,2-Dichloroethane ND 0.20 EPA 8260D 1-26-22 1-26-22 Frichloroethene 0.22 0.20 EPA 8260D 1-26-22 1-26-22 I,2-Dichloropropane ND 0.20 EPA 8260D 1-26-22 1-26-22 Dibromomethane ND 0.20 EPA 8260D 1-26-22 1-26-22 Bromodichloromethane ND 0.20 EPA 8260D 1-26-22 1-26-22 cis) 1,3-Dichloropropene ND 0.20 EPA 8260D 1-26-22 1-26-22 Methyl Isobutyl Ketone ND 2.0 EPA 8260D 1-26-22 1-26-22 Toluene ND 1.0 EPA 8260D 1-26-22 1-26-22	Carbon Tetrachloride	ND	0.20	EPA 8260D	1-26-22	1-26-22	
I,2-Dichloroethane ND 0.20 EPA 8260D 1-26-22 1-26-22 Irichloroethene 0.22 0.20 EPA 8260D 1-26-22 1-26-22 I,2-Dichloropropane ND 0.20 EPA 8260D 1-26-22 1-26-22 Dibromomethane ND 0.20 EPA 8260D 1-26-22 1-26-22 Bromodichloromethane ND 0.20 EPA 8260D 1-26-22 1-26-22 cis) 1,3-Dichloropropene ND 0.20 EPA 8260D 1-26-22 1-26-22 Methyl Isobutyl Ketone ND 2.0 EPA 8260D 1-26-22 1-26-22 Toluene ND 1.0 EPA 8260D 1-26-22 1-26-22	1,1-Dichloropropene	ND	0.20	EPA 8260D	1-26-22	1-26-22	
Trichloroethene 0.22 0.20 EPA 8260D 1-26-22 1-26-22 I,2-Dichloropropane ND 0.20 EPA 8260D 1-26-22 1-26-22 Dibromomethane ND 0.20 EPA 8260D 1-26-22 1-26-22 Bromodichloromethane ND 0.20 EPA 8260D 1-26-22 1-26-22 cis) 1,3-Dichloropropene ND 0.20 EPA 8260D 1-26-22 1-26-22 Methyl Isobutyl Ketone ND 2.0 EPA 8260D 1-26-22 1-26-22 Toluene ND 1.0 EPA 8260D 1-26-22 1-26-22	Benzene	0.60	0.20	EPA 8260D	1-26-22	1-26-22	
I,2-Dichloropropane ND 0.20 EPA 8260D 1-26-22 1-26-22 Dibromomethane ND 0.20 EPA 8260D 1-26-22 1-26-22 Bromodichloromethane ND 0.20 EPA 8260D 1-26-22 1-26-22 cis) 1,3-Dichloropropene ND 0.20 EPA 8260D 1-26-22 1-26-22 Methyl Isobutyl Ketone ND 2.0 EPA 8260D 1-26-22 1-26-22 Toluene ND 1.0 EPA 8260D 1-26-22 1-26-22	1,2-Dichloroethane	ND	0.20	EPA 8260D	1-26-22	1-26-22	
Dibromomethane ND 0.20 EPA 8260D 1-26-22 1-26-22 Bromodichloromethane ND 0.20 EPA 8260D 1-26-22 1-26-22 cis) 1,3-Dichloropropene ND 0.20 EPA 8260D 1-26-22 1-26-22 Methyl Isobutyl Ketone ND 2.0 EPA 8260D 1-26-22 1-26-22 Toluene ND 1.0 EPA 8260D 1-26-22 1-26-22	Trichloroethene	0.22	0.20	EPA 8260D	1-26-22	1-26-22	
Bromodichloromethane ND 0.20 EPA 8260D 1-26-22 1-26-22 cis) 1,3-Dichloropropene ND 0.20 EPA 8260D 1-26-22 1-26-22 Methyl Isobutyl Ketone ND 2.0 EPA 8260D 1-26-22 1-26-22 Foluene ND 1.0 EPA 8260D 1-26-22 1-26-22	1,2-Dichloropropane	ND	0.20	EPA 8260D	1-26-22	1-26-22	
cis) 1,3-Dichloropropene ND 0.20 EPA 8260D 1-26-22 1-26-22 Methyl Isobutyl Ketone ND 2.0 EPA 8260D 1-26-22 1-26-22 Foluene ND 1.0 EPA 8260D 1-26-22 1-26-22	Dibromomethane	ND	0.20	EPA 8260D	1-26-22	1-26-22	
Methyl Isobutyl Ketone ND 2.0 EPA 8260D 1-26-22 1-26-22 Foluene ND 1.0 EPA 8260D 1-26-22 1-26-22	Bromodichloromethane	ND	0.20	EPA 8260D	1-26-22	1-26-22	
Methyl Isobutyl Ketone ND 2.0 EPA 8260D 1-26-22 1-26-22 Foluene ND 1.0 EPA 8260D 1-26-22 1-26-22	cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	1-26-22	1-26-22	
Foluene ND 1.0 EPA 8260D 1-26-22 1-26-22	Methyl Isobutyl Ketone	ND	2.0	EPA 8260D	1-26-22	1-26-22	
trans) 1,3-Dichloropropene ND 0.20 EPA 8260D 1-26-22 1-26-22	Toluene	ND	1.0	EPA 8260D	1-26-22	1-26-22	
	(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	1-26-22	1-26-22	

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				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	MW-4-012622					
Laboratory ID:	01-212-03					
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	1-26-22	1-26-22	
Tetrachloroethene	ND	0.20	EPA 8260D	1-26-22	1-26-22	
1,3-Dichloropropane	ND	0.20	EPA 8260D	1-26-22	1-26-22	
2-Hexanone	ND	2.0	EPA 8260D	1-26-22	1-26-22	
Dibromochloromethane	ND	0.20	EPA 8260D	1-26-22	1-26-22	
1,2-Dibromoethane	ND	0.20	EPA 8260D	1-26-22	1-26-22	
Chlorobenzene	ND	0.20	EPA 8260D	1-26-22	1-26-22	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	1-26-22	1-26-22	
Ethylbenzene	ND	0.20	EPA 8260D	1-26-22	1-26-22	
m,p-Xylene	ND	0.40	EPA 8260D	1-26-22	1-26-22	
o-Xylene	ND	0.20	EPA 8260D	1-26-22	1-26-22	
Styrene	ND	0.20	EPA 8260D	1-26-22	1-26-22	
Bromoform	ND	1.0	EPA 8260D	1-26-22	1-26-22	
Isopropylbenzene	ND	0.20	EPA 8260D	1-26-22	1-26-22	
Bromobenzene	ND	0.20	EPA 8260D	1-26-22	1-26-22	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	1-26-22	1-26-22	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	1-26-22	1-26-22	
n-Propylbenzene	ND	0.20	EPA 8260D	1-26-22	1-26-22	
2-Chlorotoluene	ND	0.20	EPA 8260D	1-26-22	1-26-22	
4-Chlorotoluene	ND	0.20	EPA 8260D	1-26-22	1-26-22	
1,3,5-Trimethylbenzene	ND	0.20	EPA 8260D	1-26-22	1-26-22	
ert-Butylbenzene	ND	0.20	EPA 8260D	1-26-22	1-26-22	
1,2,4-Trimethylbenzene	ND	0.20	EPA 8260D	1-26-22	1-26-22	
sec-Butylbenzene	ND	0.20	EPA 8260D	1-26-22	1-26-22	
1,3-Dichlorobenzene	ND	0.20	EPA 8260D	1-26-22	1-26-22	
o-Isopropyltoluene	ND	0.20	EPA 8260D	1-26-22	1-26-22	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	1-26-22	1-26-22	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	1-26-22	1-26-22	
n-Butylbenzene	ND	0.20	EPA 8260D	1-26-22	1-26-22	
1,2-Dibromo-3-chloropropane		1.0	EPA 8260D	1-26-22	1-26-22	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260D	1-26-22	1-26-22	
Hexachlorobutadiene	ND	1.0	EPA 8260D	1-26-22	1-26-22	
Naphthalene	ND	1.0	EPA 8260D	1-26-22	1-26-22	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260D	1-26-22	1-26-22	
Surrogate:	Percent Recovery	Control Limits				
Dibromofluoromethane	106	75-127				
Toluene-d8	100	80-127				
I Older IC-GO	100	00-127				

4-Bromofluorobenzene

78-125

94

Project: 060172

VOLATILE ORGANICS EPA 8260D QUALITY CONTROL

page 1 of 2

Matrix: Water Units: ug/L

				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0126W1					
Dichlorodifluoromethane	ND	0.20	EPA 8260D	1-26-22	1-26-22	
Chloromethane	ND	1.0	EPA 8260D	1-26-22	1-26-22	
Vinyl Chloride	ND	0.20	EPA 8260D	1-26-22	1-26-22	
Bromomethane	ND	1.0	EPA 8260D	1-26-22	1-26-22	
Chloroethane	ND	1.0	EPA 8260D	1-26-22	1-26-22	
Trichlorofluoromethane	ND	0.20	EPA 8260D	1-26-22	1-26-22	
1,1-Dichloroethene	ND	0.20	EPA 8260D	1-26-22	1-26-22	
Acetone	ND	5.0	EPA 8260D	1-26-22	1-26-22	
lodomethane	ND	5.0	EPA 8260D	1-26-22	1-26-22	
Carbon Disulfide	ND	0.20	EPA 8260D	1-26-22	1-26-22	
Methylene Chloride	ND	1.0	EPA 8260D	1-26-22	1-26-22	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260D	1-26-22	1-26-22	
Methyl t-Butyl Ether	ND	0.20	EPA 8260D	1-26-22	1-26-22	
1,1-Dichloroethane	ND	0.20	EPA 8260D	1-26-22	1-26-22	
Vinyl Acetate	ND	1.0	EPA 8260D	1-26-22	1-26-22	
2,2-Dichloropropane	ND	0.20	EPA 8260D	1-26-22	1-26-22	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260D	1-26-22	1-26-22	
2-Butanone	ND	5.0	EPA 8260D	1-26-22	1-26-22	
Bromochloromethane	ND	0.20	EPA 8260D	1-26-22	1-26-22	
Chloroform	ND	0.20	EPA 8260D	1-26-22	1-26-22	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	1-26-22	1-26-22	
Carbon Tetrachloride	ND	0.20	EPA 8260D	1-26-22	1-26-22	
1,1-Dichloropropene	ND	0.20	EPA 8260D	1-26-22	1-26-22	
Benzene	ND	0.20	EPA 8260D	1-26-22	1-26-22	
1,2-Dichloroethane	ND	0.20	EPA 8260D	1-26-22	1-26-22	
Trichloroethene	ND	0.20	EPA 8260D	1-26-22	1-26-22	
1,2-Dichloropropane	ND	0.20	EPA 8260D	1-26-22	1-26-22	
Dibromomethane	ND	0.20	EPA 8260D	1-26-22	1-26-22	
Bromodichloromethane	ND	0.20	EPA 8260D	1-26-22	1-26-22	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	1-26-22	1-26-22	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260D	1-26-22	1-26-22	
Toluene	ND	1.0	EPA 8260D	1-26-22	1-26-22	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	1-26-22	1-26-22	

Project: 060172

VOLATILE ORGANICS EPA 8260D QUALITY CONTROL

page 2 of 2

				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0126W1					
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	1-26-22	1-26-22	
Tetrachloroethene	ND	0.20	EPA 8260D	1-26-22	1-26-22	
1,3-Dichloropropane	ND	0.20	EPA 8260D	1-26-22	1-26-22	
2-Hexanone	ND	2.0	EPA 8260D	1-26-22	1-26-22	
Dibromochloromethane	ND	0.20	EPA 8260D	1-26-22	1-26-22	
1,2-Dibromoethane	ND	0.20	EPA 8260D	1-26-22	1-26-22	
Chlorobenzene	ND	0.20	EPA 8260D	1-26-22	1-26-22	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	1-26-22	1-26-22	
Ethylbenzene	ND	0.20	EPA 8260D	1-26-22	1-26-22	
m,p-Xylene	ND	0.40	EPA 8260D	1-26-22	1-26-22	
o-Xylene	ND	0.20	EPA 8260D	1-26-22	1-26-22	
Styrene	ND	0.20	EPA 8260D	1-26-22	1-26-22	
Bromoform	ND	1.0	EPA 8260D	1-26-22	1-26-22	
Isopropylbenzene	ND	0.20	EPA 8260D	1-26-22	1-26-22	
Bromobenzene	ND	0.20	EPA 8260D	1-26-22	1-26-22	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	1-26-22	1-26-22	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	1-26-22	1-26-22	
n-Propylbenzene	ND	0.20	EPA 8260D	1-26-22	1-26-22	
2-Chlorotoluene	ND	0.20	EPA 8260D	1-26-22	1-26-22	
4-Chlorotoluene	ND	0.20	EPA 8260D	1-26-22	1-26-22	
1,3,5-Trimethylbenzene	ND	0.20	EPA 8260D	1-26-22	1-26-22	
tert-Butylbenzene	ND	0.20	EPA 8260D	1-26-22	1-26-22	
1,2,4-Trimethylbenzene	ND	0.20	EPA 8260D	1-26-22	1-26-22	
sec-Butylbenzene	ND	0.20	EPA 8260D	1-26-22	1-26-22	
1,3-Dichlorobenzene	ND	0.20	EPA 8260D	1-26-22	1-26-22	
p-Isopropyltoluene	ND	0.20	EPA 8260D	1-26-22	1-26-22	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	1-26-22	1-26-22	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	1-26-22	1-26-22	
n-Butylbenzene	ND	0.20	EPA 8260D	1-26-22	1-26-22	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260D	1-26-22	1-26-22	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260D	1-26-22	1-26-22	
Hexachlorobutadiene	ND	1.0	EPA 8260D	1-26-22	1-26-22	
Naphthalene	ND	1.0	EPA 8260D	1-26-22	1-26-22	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260D	1-26-22	1-26-22	
Surrogate:	Percent Recovery	Control Limits				
D		75.407				

Surrogate: Percent Recovery Control Limits

Dibromofluoromethane 111 75-127

Toluene-d8 101 80-127

4-Bromofluorobenzene 96 78-125



Project: 060172

VOLATILE ORGANICS EPA 8260D QUALITY CONTROL

Matrix: Water Units: ug/L

					Per	cent	Recovery		RPD	
Analyte	Res	sult	Spike	Level	Reco	overy	Limits	RPD	Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB01:	26W1								
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	11.5	11.7	10.0	10.0	115	117	78-125	2	19	
Benzene	11.6	11.8	10.0	10.0	116	118	80-119	2	16	
Trichloroethene	11.0	11.2	10.0	10.0	110	112	80-121	2	18	
Toluene	10.7	10.9	10.0	10.0	107	109	80-117	2	18	
Chlorobenzene	10.6	10.9	10.0	10.0	106	109	80-117	3	17	
Surrogate:										
Dibromofluoromethane					109	109	75-127			
Toluene-d8					102	101	80-127			
4-Bromofluorobenzene					99	98	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.
- 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

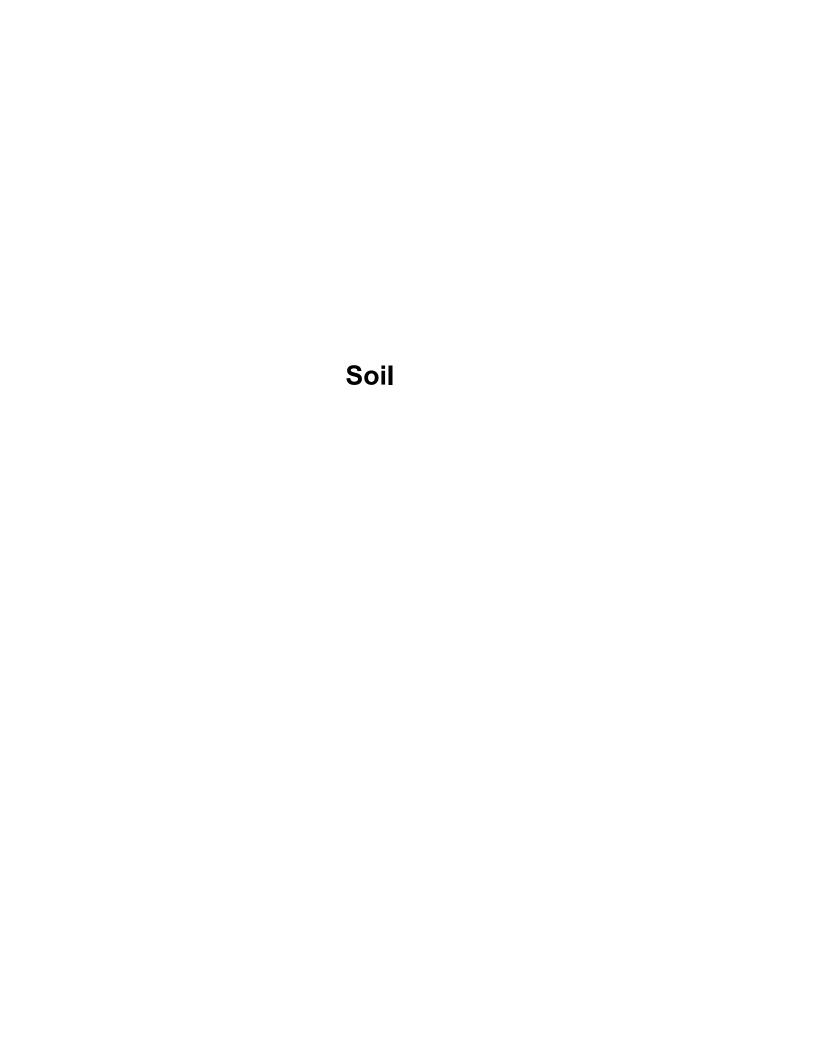




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Hind Same Day 1 Day 2 Days 3	Reviewed/Date	Received	Relinquished	Received	Relinquished	Received	Relinquished	Signature			3 mw-4-012622	-	1 MW-10-012	Lab ID Sample Id	Sampled by: MM2	Jach Jach Jach	Spic n' Span	060172	Project Number: Project Number:	
Chromatograms with final report					*	Carlle 4 M	Musus Puno	ire			2622	12022	1622	Sample Identification		Porter	Span	(an HIMBOR	
Chromatograms with final report	Į,					3	C A	Com			<		112422 1		[Standa	X 2 Days	Same D	1
Chromatograms with final report	eviewed/Date					OSE	TORCH TORCH	рапу			1205	15			(other)		rd (7 Days)			Oligon Oligi
NWTPH-Gx NWTPH-Gx													WILL (P		er of C	Contain	ers	3 Days	1 Day	
Halogenated Volatiles 8260D EDB EPA 8011 (Waters Only) Semivolatiles 8270E/SIM (with low-level PAHs) PAHs 8270E/SIM (low-level) PCBs 8082A Organochlorine Pesticides 8081B Organophosphorus Pesticides 8270E/SIM Chlorinated Acid Herbicides 8151A Total RCRA Metals						1262	1/26/22							NWTP NWTP	'H-Gx/E 'H-Gx_ 'H-Dx (BTEX Acid	/SG C	lean-up	o)	_
PAHS 8270E/SIM (low-level) PCBs 8082A Organochlorine Pesticides 8081B Organophosphorus Pesticides 8270E/SIM Chlorinated Acid Herbicides 8151A Total RCRA Metals						いた	1415	Time			X	X	X	Haloge	enated	Volatile				
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Total MTCA Metals	s with final repo							cial Instructions						Organ	ophosp	horus l	Pesticid	es 827		
D D HEM (oil and grease) 1664A	rt 🗌 Electronic Data Deliverables (EDDs) 🗌	=					TOX							Total N	MTCA N	/letals	10014			
	(EDDs)													% Moi	sture					_





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

November 24, 2021

Jeremy Porter Aspect Consulting Dexter Horton Building 710 2nd Avenue, Suite 550 Seattle, WA 98104

Re: Analytical Data for Project 060172

Laboratory Reference No. 2111-217

Dear Jeremy:

Enclosed are the analytical results and associated quality control data for samples submitted on November 19, 2021.

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,

David Baumeister Project Manager

Enclosures



Laboratory Reference: 2111-217

Project: 060172

Case Narrative

Samples were collected on November 18 and 19, 2021 and received by the laboratory on November 19, 2021. 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.

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-Gx Analysis

The chromatograms for samples CB-14-21-111921 and CB-14-22-111921 are similar to mineral spirits.

The surrogate percent recovery is outside control limits on the high end for samples CB-04-15-111821, CB-04-23.5-111821, CB-04-26.5-111821, CB-01-13-111821, CB-01-19-111821, and CB-13-16-111921. Because the samples are non-detect, no further action will be taken.

Volatiles EPA 8260D Analysis

The value reported for Acetone in samples CB-03-7-111821, CB-03-8-111821, CB-03-21-111821, CB-03-26-111821, CB-02-22-111821, CB-01-19-111821, CB-14-13-111921 and CB-12-17-111921 exceeds the calibration range and is therefore an estimate. The samples were re-analyzed at the lowest possible dilution allowed by Method 5035A with non-detect results for Acetone.

Please note that any other QA/QC issues associated with these extractions and analyses will be indicated with a footnote reference and discussed in detail on the Data Qualifier page.

Laboratory Reference: 2111-217

Project: 060172

GASOLINE RANGE ORGANICS NWTPH-Gx

Matrix: Soil

				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	CB-04-8.5-111821					
Laboratory ID:	11-217-01					
Gasoline	ND	6.1	NWTPH-Gx	11-21-21	11-21-21	
Surrogate:	Percent Recovery	Control Limits				
Fluorobenzene	113	66-129				
Client ID:	CB-04-13-111821					
Laboratory ID:	11-217-02					
Gasoline	ND	6.5	NWTPH-Gx	11-21-21	11-21-21	
Surrogate:	Percent Recovery	Control Limits				
Fluorobenzene	114	66-129				
Client ID:	CB-04-15-111821					
Laboratory ID:	11-217-03					
Gasoline	ND	8.5	NWTPH-Gx	11-21-21	11-21-21	
Surrogate:	Percent Recovery	Control Limits				
Fluorobenzene	132	66-129				Q
Client ID:	CB-04-23.5-111821					
Laboratory ID:	11-217-04					
Gasoline	ND	7.6	NWTPH-Gx	11-21-21	11-21-21	
Surrogate:	Percent Recovery	Control Limits				
Fluorobenzene	133	66-129				Q
Client ID:	CB-04-26.5-111821					
Laboratory ID:	11-217-05					
Gasoline	ND	8.0	NWTPH-Gx	11-21-21	11-21-21	
Surrogate:	Percent Recovery	Control Limits				
Fluorobenzene	132	66-129				Q
Client ID:	CB-05-7-111821					
Laboratory ID:	11-217-06					
Gasoline	ND	7.8	NWTPH-Gx	11-21-21	11-21-21	
Surrogate:	Percent Recovery	Control Limits				
Fluorobenzene	124	66-129				
Client ID:	CB-05-12-111821					
Laboratory ID:	11-217-07					
Gasoline	ND	7.4	NWTPH-Gx	11-21-21	11-21-21	
Surrogate:	Percent Recovery	Control Limits				
Fluorobenzene	123	66-129				

Laboratory Reference: 2111-217

Project: 060172

GASOLINE RANGE ORGANICS NWTPH-Gx

Matrix: Soil

5 5 ,				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	CB-05-18-111821					
Laboratory ID:	11-217-08					
Gasoline	ND	5.4	NWTPH-Gx	11-21-21	11-21-21	
Surrogate:	Percent Recovery	Control Limits				
Fluorobenzene	118	66-129				
Client ID:	CB-05-27.5-111821					
Laboratory ID:	11-217-09					
Gasoline	ND	4.8	NWTPH-Gx	11-21-21	11-21-21	
Surrogate:	Percent Recovery	Control Limits				
Fluorobenzene	116	66-129				
Client ID:	CB-03-7-111821					
Laboratory ID:	11-217-10					
Gasoline	ND	10	NWTPH-Gx	11-21-21	11-21-21	
Surrogate:	Percent Recovery	Control Limits				
Fluorobenzene	117	66-129				
Client ID:	CB-03-8-111821					
Laboratory ID:	11-217-11					
Gasoline	ND	7.2	NWTPH-Gx	11-21-21	11-21-21	
Surrogate:	Percent Recovery	Control Limits				
Fluorobenzene	114	66-129				
Client ID:	CB-03-21-111821					
Laboratory ID:	11-217-12					
Gasoline	ND	5.5	NWTPH-Gx	11-21-21	11-21-21	
Surrogate:	Percent Recovery	Control Limits				
Fluorobenzene	123	66-129				
Client ID:	CB-03-26-111821					
Laboratory ID:	11-217-13					
Gasoline	ND	4.9	NWTPH-Gx	11-21-21	11-21-21	
Surrogate:	Percent Recovery					
Fluorobenzene	114	66-129				
Client ID:	CB-02-8-111821					
Laboratory ID:	11-217-14					
Gasoline	ND	7.2	NWTPH-Gx	11-21-21	11-21-21	
Surrogate:	Percent Recovery	Control Limits				
Fluorobenzene	109	66-129				

Laboratory Reference: 2111-217

Project: 060172

GASOLINE RANGE ORGANICS NWTPH-Gx

Matrix: Soil

				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	CB-02-13-111821					
Laboratory ID:	11-217-15					
Gasoline	ND	7.7	NWTPH-Gx	11-21-21	11-21-21	
Surrogate:	Percent Recovery	Control Limits				
Fluorobenzene	118	66-129				
Client ID:	CB-02-21-111821					
Laboratory ID:	11-217-16					
Gasoline	ND	6.1	NWTPH-Gx	11-21-21	11-21-21	
Surrogate:	Percent Recovery	Control Limits				
Fluorobenzene	116	66-129				
Client ID:	CB-02-22-111821					
Laboratory ID:	11-217-17					
Gasoline	ND	4.5	NWTPH-Gx	11-21-21	11-21-21	
Surrogate:	Percent Recovery	Control Limits				
Fluorobenzene	116	66-129				
Client ID:	CB-01-7-111821					
Laboratory ID:	11-217-18					
Gasoline	ND	6.2	NWTPH-Gx	11-21-21	11-21-21	
Surrogate:	Percent Recovery	Control Limits				
Fluorobenzene	116	66-129				
Client ID:	CB-01-13-111821					
Laboratory ID:	11-217-19					
Gasoline	ND	8.7	NWTPH-Gx	11-21-21	11-21-21	
Surrogate:	Percent Recovery	Control Limits				
Fluorobenzene	133	66-129				Q
Client ID:	CB-01-19-111821					
Laboratory ID:	11-217-20					
Gasoline	ND	10	NWTPH-Gx	11-21-21	11-21-21	
Surrogate:	Percent Recovery	Control Limits				
Fluorobenzene	137	66-129				Q
Client ID:	CB-01-23-111821					
Laboratory ID:	11-217-21					
Gasoline	ND	5.0	NWTPH-Gx	11-21-21	11-21-21	
Currogata:	Percent Recovery	Control Limits				
Surrogate:	r ordonic riddovory	O O I I I I I I I I I I I I I I I I I I				

Laboratory Reference: 2111-217

Project: 060172

GASOLINE RANGE ORGANICS NWTPH-Gx

Matrix: Soil

0 0 (11)				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	CB-13-5-111921					
Laboratory ID:	11-217-22					
Gasoline	ND	6.2	NWTPH-Gx	11-21-21	11-21-21	
Surrogate:	Percent Recovery	Control Limits				
Fluorobenzene	115	66-129				
Client ID:	CB-13-8-111921					
Laboratory ID:	11-217-23					
Gasoline	ND	5.6	NWTPH-Gx	11-21-21	11-21-21	
Surrogate:	Percent Recovery	Control Limits				
Fluorobenzene	115	66-129				
Client ID:	CB-13-16-111921					
Laboratory ID:	11-217-24					
Gasoline	ND	6.5	NWTPH-Gx	11-21-21	11-21-21	
Surrogate:	Percent Recovery	Control Limits				
Fluorobenzene	138	66-129				Q
Client ID:	CB-13-20-111921					
Laboratory ID:	11-217-25					
Gasoline	ND	6.5	NWTPH-Gx	11-21-21	11-22-21	
Surrogate:	Percent Recovery	Control Limits				
Fluorobenzene	118	66-129				
Client ID:	CB-14-6-111921					
Laboratory ID:	11-217-26					
Gasoline	ND	7.5	NWTPH-Gx	11-21-21	11-22-21	
Surrogate:	Percent Recovery	Control Limits				
Fluorobenzene	116	66-129				
Client ID:	CB-14-13-111921					
Laboratory ID:	11-217-27					
Gasoline	ND	6.6	NWTPH-Gx	11-21-21	11-22-21	
Surrogate:	Percent Recovery	Control Limits				
Fluorobenzene	112	66-129				
Client ID:	CB-14-21-111921					
Laboratory ID:	11-217-28					
Gasoline	310	36	NWTPH-Gx	11-21-21	11-22-21	Z
Surrogate:	Percent Recovery	Control Limits				
Fluorobenzene	119	66-129				

Laboratory Reference: 2111-217

Project: 060172

GASOLINE RANGE ORGANICS NWTPH-Gx

Matrix: Soil

onite. Ingrity (ppin)				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	CB-14-22-111921					
Laboratory ID:	11-217-29					
Gasoline	580	77	NWTPH-Gx	11-21-21	11-22-21	Z
Surrogate:	Percent Recovery	Control Limits				
Fluorobenzene	109	66-129				
Client ID:	CB-12-5-111921					
Laboratory ID:	11-217-30					
Gasoline	ND	5.1	NWTPH-Gx	11-21-21	11-22-21	
Surrogate:	Percent Recovery	Control Limits				
Fluorobenzene	110	66-129				
Client ID:	CB-12-13-111921					
Laboratory ID:	11-217-31					
Gasoline	ND	4.7	NWTPH-Gx	11-21-21	11-22-21	
Surrogate:	Percent Recovery	Control Limits				
Fluorobenzene	114	66-129				
Client ID:	CB-12-17-111921					
Laboratory ID:	11-217-32					
Gasoline	ND	8.0	NWTPH-Gx	11-21-21	11-22-21	
Surrogate:	Percent Recovery	Control Limits				
Fluorobenzene	120	66-129				
Client ID:	CB-12-22-111921					
Laboratory ID:	11-217-33					
Gasoline	ND	5.4	NWTPH-Gx	11-21-21	11-22-21	
Surrogate:	Percent Recovery	Control Limits				
Fluorobenzene	113	66-129				

Laboratory Reference: 2111-217

Project: 060172

GASOLINE RANGE ORGANICS NWTPH-Gx QUALITY CONTROL

Matrix: Soil

				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1121S1					
Gasoline	ND	5.0	NWTPH-Gx	11-21-21	11-21-21	
Surrogate:	Percent Recovery	Control Limits				
Fluorobenzene	103	66-129				
Laboratory ID:	MB1121S2					
Gasoline	ND	5.0	NWTPH-Gx	11-21-21	11-21-21	
Surrogate:	Percent Recovery	Control Limits				
Fluorobenzene	112	66-129				
Laboratory ID:	MB1121S3					
Gasoline	ND	5.0	NWTPH-Gx	11-21-21	11-21-21	
Surrogate:	Percent Recovery	Control Limits				
Fluorobenzene	112	66-129				
Laboratory ID:	MB1121S4					
Gasoline	ND	5.0	NWTPH-Gx	11-21-21	11-21-21	
Surrogate:	Percent Recovery	Control Limits				
Fluorobenzene	110	66-129				

					Source	Per	cent	Recovery		RPD	
Analyte	Res	sult	Spike	Level	Result	Reco	very	Limits	RPD	Limit	Flags
DUPLICATE											
Laboratory ID:	11-21	7-01									
	ORIG	DUP									
Gasoline	ND	ND	NA	NA		N	Α	NA	NA	30	
Surrogate:											
Fluorobenzene						113	122	66-129			
Laboratory ID:	11-21	17-02									
	ORIG	DUP									
Gasoline	ND	ND	NA	NA		N	Α	NA	NA	30	
Surrogate:											
Fluorobenzene						114	117	66-129			
Laboratory ID:	11-21	17-03									
	ORIG	DUP									
Gasoline	ND	ND	NA	NA		N	Α	NA	NA	30	
Surrogate:											
Fluorobenzene						132	139	66-129			Q,Q
Laboratory ID:	11-21	17-04									
	ORIG	DUP									
Gasoline	ND	ND	NA	NA		N	Α	NA	NA	30	
Surrogate:											
Fluorobenzene						133	131	66-129			Q,Q

Laboratory Reference: 2111-217

Project: 060172

VOLATILE ORGANICS EPA 8260D

page 1 of 2

Matrix: Soil Units: mg/kg

Analyte Result PQL Method Prepared Analyzed Flags Client ID: CB-04-8.5-111821 Separatory ID: 11-217-01 Separatory ID: 11-217-01 Separatory ID: 11-217-01 Separatory ID: 11-217-01 Separatory ID: 11-22-21 <					Date	Date	
Laboratory ID:	Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Dichlorodifluoromethane ND 0.0015 EPA 8260D 11-22-21 11-22-21 Chloromethane ND 0.0073 EPA 8260D 11-22-21 11-22-21 Vinyl Chloride ND 0.0015 EPA 8260D 11-22-21 11-22-21 Bromomethane ND 0.0073 EPA 8260D 11-22-21 11-22-21 Chloroethane ND 0.0073 EPA 8260D 11-22-21 11-22-21 Chloroethane ND 0.0015 EPA 8260D 11-22-21 11-22-21 1,1-Dichloroethene ND 0.0015 EPA 8260D 11-22-21 11-22-21 Acetone ND 0.015 EPA 8260D 11-22-21 11-22-21 Indomethane ND 0.0015 EPA 8260D 11-22-21 11-22-21 Carbon Disulfide ND 0.0015 EPA 8260D 11-22-21 11-22-21 Methylene Chloride ND 0.0073 EPA 8260D 11-22-21 11-22-21 (trans) 1,2-Dichloroethene ND 0.0015 EPA 8260D	Client ID:	CB-04-8.5-111821					
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Vinyl Chloride ND 0.0015 EPA 8260D 11-22-21 11-22-21 Bromomethane ND 0.0073 EPA 8260D 11-22-21 11-22-21 Chloroethane ND 0.0073 EPA 8260D 11-22-21 11-22-21 Trichlorofluoromethane ND 0.0015 EPA 8260D 11-22-21 11-22-21 1,1-Dichloroethene ND 0.0015 EPA 8260D 11-22-21 11-22-21 Acetone ND 0.015 EPA 8260D 11-22-21 11-22-21 Idodomethane ND 0.0073 EPA 8260D 11-22-21 11-22-21 Carbon Disulfide ND 0.0015 EPA 8260D 11-22-21 11-22-21 Methylee Chloride ND 0.0015 EPA 8260D 11-22-21 11-22-21 Methyl t-Butyl Ether ND 0.0015 EPA 8260D 11-22-21 11-22-21 Methyl t-Butyl Ether ND 0.0015 EPA 8260D 11-22-21 11-22-21 Vinyl Acetate ND 0.0015 EPA 8260D	Dichlorodifluoromethane	ND	0.0015	EPA 8260D	11-22-21	11-22-21	
Bromomethane ND 0.0073 EPA 8260D 11-22-21 11-22-21 Chloroethane ND 0.0073 EPA 8260D 11-22-21 11-22-21 Trichlorofluoromethane ND 0.0015 EPA 8260D 11-22-21 11-22-21 1,1-Dichloroethene ND 0.0015 EPA 8260D 11-22-21 11-22-21 Acetone ND 0.015 EPA 8260D 11-22-21 11-22-21 Idodomethane ND 0.0073 EPA 8260D 11-22-21 11-22-21 Carbon Disulfide ND 0.0015 EPA 8260D 11-22-21 11-22-21 Methylene Chloride ND 0.0073 EPA 8260D 11-22-21 11-22-21 Methylene Chloride ND 0.0015 EPA 8260D 11-22-21 11-22-21 Methylene Chloride ND 0.0015 EPA 8260D 11-22-21 11-22-21 Methyle Butyl Ether ND 0.0015 EPA 8260D 11-22-21 11-22-21 Methyle Butyl Ether ND 0.0015 EPA 8260D </td <td>Chloromethane</td> <td>ND</td> <td>0.0073</td> <td>EPA 8260D</td> <td>11-22-21</td> <td>11-22-21</td> <td></td>	Chloromethane	ND	0.0073	EPA 8260D	11-22-21	11-22-21	
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Carbon Tetrachloride ND 0.0015 EPA 8260D 11-22-21 11-22-21 1,1-Dichloropropene ND 0.0015 EPA 8260D 11-22-21 11-22-21 Benzene ND 0.0015 EPA 8260D 11-22-21 11-22-21 1,2-Dichloroethane ND 0.0015 EPA 8260D 11-22-21 11-22-21 Trichloroethene ND 0.0015 EPA 8260D 11-22-21 11-22-21 1,2-Dichloropropane ND 0.0015 EPA 8260D 11-22-21 11-22-21 Dibromomethane ND 0.0015 EPA 8260D 11-22-21 11-22-21	Chloroform	ND	0.0015	EPA 8260D	11-22-21	11-22-21	
1,1-Dichloropropene ND 0.0015 EPA 8260D 11-22-21 11-22-21 Benzene ND 0.0015 EPA 8260D 11-22-21 11-22-21 1,2-Dichloroethane ND 0.0015 EPA 8260D 11-22-21 11-22-21 Trichloroethene ND 0.0015 EPA 8260D 11-22-21 11-22-21 1,2-Dichloropropane ND 0.0015 EPA 8260D 11-22-21 11-22-21 Dibromomethane ND 0.0015 EPA 8260D 11-22-21 11-22-21	1,1,1-Trichloroethane	ND	0.0015	EPA 8260D	11-22-21	11-22-21	
Benzene ND 0.0015 EPA 8260D 11-22-21 11-22-21 1,2-Dichloroethane ND 0.0015 EPA 8260D 11-22-21 11-22-21 Trichloroethene ND 0.0015 EPA 8260D 11-22-21 11-22-21 1,2-Dichloropropane ND 0.0015 EPA 8260D 11-22-21 11-22-21 Dibromomethane ND 0.0015 EPA 8260D 11-22-21 11-22-21	Carbon Tetrachloride	ND	0.0015	EPA 8260D	11-22-21	11-22-21	
1,2-Dichloroethane ND 0.0015 EPA 8260D 11-22-21 11-22-21 Trichloroethene ND 0.0015 EPA 8260D 11-22-21 11-22-21 1,2-Dichloropropane ND 0.0015 EPA 8260D 11-22-21 11-22-21 Dibromomethane ND 0.0015 EPA 8260D 11-22-21 11-22-21	1,1-Dichloropropene	ND	0.0015	EPA 8260D	11-22-21	11-22-21	
Trichloroethene ND 0.0015 EPA 8260D 11-22-21 11-22-21 1,2-Dichloropropane ND 0.0015 EPA 8260D 11-22-21 11-22-21 Dibromomethane ND 0.0015 EPA 8260D 11-22-21 11-22-21	Benzene	ND	0.0015	EPA 8260D	11-22-21	11-22-21	
1,2-Dichloropropane ND 0.0015 EPA 8260D 11-22-21 11-22-21 Dibromomethane ND 0.0015 EPA 8260D 11-22-21 11-22-21	1,2-Dichloroethane	ND	0.0015	EPA 8260D	11-22-21	11-22-21	
Dibromomethane ND 0.0015 EPA 8260D 11-22-21 11-22-21	Trichloroethene	ND	0.0015	EPA 8260D	11-22-21	11-22-21	
	1,2-Dichloropropane	ND	0.0015	EPA 8260D	11-22-21	11-22-21	
	Dibromomethane	ND	0.0015	EPA 8260D	11-22-21	11-22-21	
Bromodichloromethane ND 0.0015 EPA 8260D 11-22-21 11-22-21	Bromodichloromethane	ND	0.0015	EPA 8260D	11-22-21	11-22-21	
2-Chloroethyl Vinyl Ether ND 0.012 EPA 8260D 11-22-21 11-22-21	2-Chloroethyl Vinyl Ether	ND	0.012	EPA 8260D	11-22-21	11-22-21	
(cis) 1,3-Dichloropropene ND 0.0015 EPA 8260D 11-22-21 11-22-21	(cis) 1,3-Dichloropropene	ND	0.0015	EPA 8260D	11-22-21	11-22-21	
Methyl Isobutyl Ketone ND 0.0096 EPA 8260D 11-22-21 11-22-21	Methyl Isobutyl Ketone	ND	0.0096	EPA 8260D	11-22-21	11-22-21	
Toluene ND 0.0073 EPA 8260D 11-22-21 11-22-21	Toluene	ND	0.0073	EPA 8260D	11-22-21	11-22-21	
(trans) 1,3-Dichloropropene ND 0.0015 EPA 8260D 11-22-21 11-22-21	(trans) 1,3-Dichloropropend	e ND	0.0015	EPA 8260D	11-22-21	11-22-21	

Laboratory Reference: 2111-217

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				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	CB-04-8.5-111821					
Laboratory ID:	11-217-01					
1,1,2-Trichloroethane	ND	0.0015	EPA 8260D	11-22-21	11-22-21	
Tetrachloroethene	ND	0.0015	EPA 8260D	11-22-21	11-22-21	
1,3-Dichloropropane	ND	0.0015	EPA 8260D	11-22-21	11-22-21	
2-Hexanone	ND	0.012	EPA 8260D	11-22-21	11-22-21	
Dibromochloromethane	ND	0.0015	EPA 8260D	11-22-21	11-22-21	
1,2-Dibromoethane	ND	0.0015	EPA 8260D	11-22-21	11-22-21	
Chlorobenzene	ND	0.0015	EPA 8260D	11-22-21	11-22-21	
1,1,1,2-Tetrachloroethane	ND	0.0015	EPA 8260D	11-22-21	11-22-21	
Ethylbenzene	ND	0.0015	EPA 8260D	11-22-21	11-22-21	
m,p-Xylene	ND	0.0029	EPA 8260D	11-22-21	11-22-21	
o-Xylene	ND	0.0015	EPA 8260D	11-22-21	11-22-21	
Styrene	ND	0.0015	EPA 8260D	11-22-21	11-22-21	
Bromoform	ND	0.0073	EPA 8260D	11-22-21	11-22-21	
Isopropylbenzene	ND	0.0015	EPA 8260D	11-22-21	11-22-21	
Bromobenzene	ND	0.0015	EPA 8260D	11-22-21	11-22-21	
1,1,2,2-Tetrachloroethane	ND	0.0015	EPA 8260D	11-22-21	11-22-21	
1,2,3-Trichloropropane	ND	0.0019	EPA 8260D	11-22-21	11-22-21	
n-Propylbenzene	ND	0.0015	EPA 8260D	11-22-21	11-22-21	
2-Chlorotoluene	ND	0.0015	EPA 8260D	11-22-21	11-22-21	
1-Chlorotoluene	ND	0.0015	EPA 8260D	11-22-21	11-22-21	
1,3,5-Trimethylbenzene	ND	0.0015	EPA 8260D	11-22-21	11-22-21	
ert-Butylbenzene	ND	0.0015	EPA 8260D	11-22-21	11-22-21	
1,2,4-Trimethylbenzene	ND	0.0015	EPA 8260D	11-22-21	11-22-21	
sec-Butylbenzene	ND	0.0015	EPA 8260D	11-22-21	11-22-21	
1,3-Dichlorobenzene	ND	0.0015	EPA 8260D	11-22-21	11-22-21	
p-Isopropyltoluene	ND	0.0015	EPA 8260D	11-22-21	11-22-21	
1,4-Dichlorobenzene	ND	0.0015	EPA 8260D	11-22-21	11-22-21	
1,2-Dichlorobenzene	ND	0.0015	EPA 8260D	11-22-21	11-22-21	
n-Butylbenzene	ND	0.0015	EPA 8260D	11-22-21	11-22-21	
1,2-Dibromo-3-chloropropan	e ND	0.0073	EPA 8260D	11-22-21	11-22-21	
1,2,4-Trichlorobenzene	ND	0.0015	EPA 8260D	11-22-21	11-22-21	
Hexachlorobutadiene	ND	0.0073	EPA 8260D	11-22-21	11-22-21	
Naphthalene	ND	0.0073	EPA 8260D	11-22-21	11-22-21	
1,2,3-Trichlorobenzene	ND	0.0015	EPA 8260D	11-22-21	11-22-21	
Surrogate:	Percent Recovery	Control Limits				
Dibromofluoromethane	98	74-131				
Toluene-d8	102	78-128				



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Project: 060172

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Matrix: Soil Units: mg/kg

				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	CB-04-13-111821					
Laboratory ID:	11-217-02					
Dichlorodifluoromethane	ND	0.0010	EPA 8260D	11-22-21	11-22-21	
Chloromethane	ND	0.0052	EPA 8260D	11-22-21	11-22-21	
Vinyl Chloride	ND	0.0010	EPA 8260D	11-22-21	11-22-21	
Bromomethane	ND	0.0052	EPA 8260D	11-22-21	11-22-21	
Chloroethane	ND	0.0052	EPA 8260D	11-22-21	11-22-21	
Trichlorofluoromethane	ND	0.0010	EPA 8260D	11-22-21	11-22-21	
1,1-Dichloroethene	ND	0.0010	EPA 8260D	11-22-21	11-22-21	
Acetone	0.35	0.010	EPA 8260D	11-22-21	11-22-21	
lodomethane	ND	0.0052	EPA 8260D	11-22-21	11-22-21	
Carbon Disulfide	ND	0.0010	EPA 8260D	11-22-21	11-22-21	
Methylene Chloride	ND	0.0052	EPA 8260D	11-22-21	11-22-21	
(trans) 1,2-Dichloroethene	ND	0.0010	EPA 8260D	11-22-21	11-22-21	
Methyl t-Butyl Ether	ND	0.0010	EPA 8260D	11-22-21	11-22-21	
1,1-Dichloroethane	ND	0.0010	EPA 8260D	11-22-21	11-22-21	
Vinyl Acetate	ND	0.0071	EPA 8260D	11-22-21	11-22-21	
2,2-Dichloropropane	ND	0.0010	EPA 8260D	11-22-21	11-22-21	
(cis) 1,2-Dichloroethene	ND	0.0010	EPA 8260D	11-22-21	11-22-21	
2-Butanone	0.058	0.0072	EPA 8260D	11-22-21	11-22-21	Υ
Bromochloromethane	ND	0.0010	EPA 8260D	11-22-21	11-22-21	
Chloroform	ND	0.0010	EPA 8260D	11-22-21	11-22-21	
1,1,1-Trichloroethane	ND	0.0010	EPA 8260D	11-22-21	11-22-21	
Carbon Tetrachloride	ND	0.0010	EPA 8260D	11-22-21	11-22-21	
1,1-Dichloropropene	ND	0.0010	EPA 8260D	11-22-21	11-22-21	
Benzene	ND	0.0010	EPA 8260D	11-22-21	11-22-21	
1,2-Dichloroethane	ND	0.0010	EPA 8260D	11-22-21	11-22-21	
Trichloroethene	ND	0.0010	EPA 8260D	11-22-21	11-22-21	
1,2-Dichloropropane	ND	0.0010	EPA 8260D	11-22-21	11-22-21	
Dibromomethane	ND	0.0010	EPA 8260D	11-22-21	11-22-21	
Bromodichloromethane	ND	0.0010	EPA 8260D	11-22-21	11-22-21	
2-Chloroethyl Vinyl Ether	ND	0.0083	EPA 8260D	11-22-21	11-22-21	
(cis) 1,3-Dichloropropene	ND	0.0010	EPA 8260D	11-22-21	11-22-21	
Methyl Isobutyl Ketone	ND	0.0069	EPA 8260D	11-22-21	11-22-21	
Toluene	ND	0.0052	EPA 8260D	11-22-21	11-22-21	
(trans) 1,3-Dichloropropene	ND	0.0010	EPA 8260D	11-22-21	11-22-21	

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				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	CB-04-13-111821					
Laboratory ID:	11-217-02					
1,1,2-Trichloroethane	ND	0.0010	EPA 8260D	11-22-21	11-22-21	
Tetrachloroethene	0.0021	0.0010	EPA 8260D	11-22-21	11-22-21	
1,3-Dichloropropane	ND	0.0010	EPA 8260D	11-22-21	11-22-21	
2-Hexanone	ND	0.0084	EPA 8260D	11-22-21	11-22-21	
Dibromochloromethane	ND	0.0010	EPA 8260D	11-22-21	11-22-21	
1,2-Dibromoethane	ND	0.0010	EPA 8260D	11-22-21	11-22-21	
Chlorobenzene	ND	0.0010	EPA 8260D	11-22-21	11-22-21	
1,1,1,2-Tetrachloroethane	ND	0.0010	EPA 8260D	11-22-21	11-22-21	
Ethylbenzene	ND	0.0010	EPA 8260D	11-22-21	11-22-21	
m,p-Xylene	ND	0.0021	EPA 8260D	11-22-21	11-22-21	
o-Xylene	ND	0.0010	EPA 8260D	11-22-21	11-22-21	
Styrene	ND	0.0010	EPA 8260D	11-22-21	11-22-21	
Bromoform	ND	0.0052	EPA 8260D	11-22-21	11-22-21	
Isopropylbenzene	ND	0.0010	EPA 8260D	11-22-21	11-22-21	
Bromobenzene	ND	0.0010	EPA 8260D	11-22-21	11-22-21	
1,1,2,2-Tetrachloroethane	ND	0.0010	EPA 8260D	11-22-21	11-22-21	
1,2,3-Trichloropropane	ND	0.0014	EPA 8260D	11-22-21	11-22-21	
n-Propylbenzene	ND	0.0010	EPA 8260D	11-22-21	11-22-21	
2-Chlorotoluene	ND	0.0010	EPA 8260D	11-22-21	11-22-21	
4-Chlorotoluene	ND	0.0010	EPA 8260D	11-22-21	11-22-21	
1,3,5-Trimethylbenzene	ND	0.0010	EPA 8260D	11-22-21	11-22-21	
tert-Butylbenzene	ND	0.0010	EPA 8260D	11-22-21	11-22-21	
1,2,4-Trimethylbenzene	ND	0.0010	EPA 8260D	11-22-21	11-22-21	
sec-Butylbenzene	ND	0.0010	EPA 8260D	11-22-21	11-22-21	
1,3-Dichlorobenzene	ND	0.0010	EPA 8260D	11-22-21	11-22-21	
p-Isopropyltoluene	ND	0.0010	EPA 8260D	11-22-21	11-22-21	
1,4-Dichlorobenzene	ND	0.0010	EPA 8260D	11-22-21	11-22-21	
1,2-Dichlorobenzene	ND	0.0010	EPA 8260D	11-22-21	11-22-21	
n-Butylbenzene	ND	0.0010	EPA 8260D	11-22-21	11-22-21	
1,2-Dibromo-3-chloropropane	e ND	0.0052	EPA 8260D	11-22-21	11-22-21	
1,2,4-Trichlorobenzene	ND	0.0010	EPA 8260D	11-22-21	11-22-21	
Hexachlorobutadiene	ND	0.0052	EPA 8260D	11-22-21	11-22-21	
Naphthalene	ND	0.0052	EPA 8260D	11-22-21	11-22-21	
1,2,3-Trichlorobenzene	ND	0.0010	EPA 8260D	11-22-21	11-22-21	
Surrogate:	Percent Recovery	Control Limits				
Dibromofluoromethane	102	74-131				
Toluene-d8	99	78-128				
4-Bromofluorobenzene	94	71-130				

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Matrix: Soil Units: mg/kg

				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	CB-04-15-111821					
Laboratory ID:	11-217-03					
Dichlorodifluoromethane	ND	0.0012	EPA 8260D	11-22-21	11-22-21	
Chloromethane	ND	0.0058	EPA 8260D	11-22-21	11-22-21	
Vinyl Chloride	ND	0.0012	EPA 8260D	11-22-21	11-22-21	
Bromomethane	ND	0.0058	EPA 8260D	11-22-21	11-22-21	
Chloroethane	ND	0.0058	EPA 8260D	11-22-21	11-22-21	
Trichlorofluoromethane	ND	0.0012	EPA 8260D	11-22-21	11-22-21	
1,1-Dichloroethene	ND	0.0012	EPA 8260D	11-22-21	11-22-21	
Acetone	0.11	0.012	EPA 8260D	11-22-21	11-22-21	
lodomethane	ND	0.0058	EPA 8260D	11-22-21	11-22-21	
Carbon Disulfide	ND	0.0012	EPA 8260D	11-22-21	11-22-21	
Methylene Chloride	ND	0.0058	EPA 8260D	11-22-21	11-22-21	
(trans) 1,2-Dichloroethene	ND	0.0012	EPA 8260D	11-22-21	11-22-21	
Methyl t-Butyl Ether	ND	0.0012	EPA 8260D	11-22-21	11-22-21	
1,1-Dichloroethane	ND	0.0012	EPA 8260D	11-22-21	11-22-21	
Vinyl Acetate	ND	0.0078	EPA 8260D	11-22-21	11-22-21	
2,2-Dichloropropane	ND	0.0012	EPA 8260D	11-22-21	11-22-21	
(cis) 1,2-Dichloroethene	ND	0.0012	EPA 8260D	11-22-21	11-22-21	
2-Butanone	0.015	0.0079	EPA 8260D	11-22-21	11-22-21	Υ
Bromochloromethane	ND	0.0012	EPA 8260D	11-22-21	11-22-21	
Chloroform	ND	0.0012	EPA 8260D	11-22-21	11-22-21	
1,1,1-Trichloroethane	ND	0.0012	EPA 8260D	11-22-21	11-22-21	
Carbon Tetrachloride	ND	0.0012	EPA 8260D	11-22-21	11-22-21	
1,1-Dichloropropene	ND	0.0012	EPA 8260D	11-22-21	11-22-21	
Benzene	ND	0.0012	EPA 8260D	11-22-21	11-22-21	
1,2-Dichloroethane	ND	0.0012	EPA 8260D	11-22-21	11-22-21	
Trichloroethene	0.0016	0.0012	EPA 8260D	11-22-21	11-22-21	
1,2-Dichloropropane	ND	0.0012	EPA 8260D	11-22-21	11-22-21	
Dibromomethane	ND	0.0012	EPA 8260D	11-22-21	11-22-21	
Bromodichloromethane	ND	0.0012	EPA 8260D	11-22-21	11-22-21	
2-Chloroethyl Vinyl Ether	ND	0.0091	EPA 8260D	11-22-21	11-22-21	
(cis) 1,3-Dichloropropene	ND	0.0012	EPA 8260D	11-22-21	11-22-21	
Methyl Isobutyl Ketone	ND	0.0076	EPA 8260D	11-22-21	11-22-21	
Toluene	ND	0.0058	EPA 8260D	11-22-21	11-22-21	
(trans) 1,3-Dichloropropene	ND	0.0012	EPA 8260D	11-22-21	11-22-21	

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				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
	CB-04-15-111821					
Laboratory ID:	11-217-03					
1,1,2-Trichloroethane	ND	0.0012	EPA 8260D	11-22-21	11-22-21	
Tetrachloroethene	0.016	0.0012	EPA 8260D	11-22-21	11-22-21	
1,3-Dichloropropane	ND	0.0012	EPA 8260D	11-22-21	11-22-21	
2-Hexanone	ND	0.0092	EPA 8260D	11-22-21	11-22-21	
Dibromochloromethane	ND	0.0012	EPA 8260D	11-22-21	11-22-21	
1,2-Dibromoethane	ND	0.0012	EPA 8260D	11-22-21	11-22-21	
Chlorobenzene	ND	0.0012	EPA 8260D	11-22-21	11-22-21	
1,1,1,2-Tetrachloroethane	ND	0.0012	EPA 8260D	11-22-21	11-22-21	
Ethylbenzene	ND	0.0012	EPA 8260D	11-22-21	11-22-21	
n,p-Xylene	ND	0.0023	EPA 8260D	11-22-21	11-22-21	
o-Xylene	ND	0.0012	EPA 8260D	11-22-21	11-22-21	
Styrene	ND	0.0012	EPA 8260D	11-22-21	11-22-21	
Bromoform	ND	0.0058	EPA 8260D	11-22-21	11-22-21	
sopropylbenzene	ND	0.0012	EPA 8260D	11-22-21	11-22-21	
Bromobenzene	ND	0.0012	EPA 8260D	11-22-21	11-22-21	
1,1,2,2-Tetrachloroethane	ND	0.0012	EPA 8260D	11-22-21	11-22-21	
1,2,3-Trichloropropane	ND	0.0015	EPA 8260D	11-22-21	11-22-21	
n-Propylbenzene	ND	0.0012	EPA 8260D	11-22-21	11-22-21	
2-Chlorotoluene	ND	0.0012	EPA 8260D	11-22-21	11-22-21	
1-Chlorotoluene	ND	0.0012	EPA 8260D	11-22-21	11-22-21	
1,3,5-Trimethylbenzene	ND	0.0012	EPA 8260D	11-22-21	11-22-21	
ert-Butylbenzene	ND	0.0012	EPA 8260D	11-22-21	11-22-21	
1,2,4-Trimethylbenzene	ND	0.0012	EPA 8260D	11-22-21	11-22-21	
sec-Butylbenzene	ND	0.0012	EPA 8260D	11-22-21	11-22-21	
1,3-Dichlorobenzene	ND	0.0012	EPA 8260D	11-22-21	11-22-21	
o-Isopropyltoluene	ND	0.0012	EPA 8260D	11-22-21	11-22-21	
1,4-Dichlorobenzene	ND	0.0012	EPA 8260D	11-22-21	11-22-21	
1,2-Dichlorobenzene	ND	0.0012	EPA 8260D	11-22-21	11-22-21	
n-Butylbenzene	ND	0.0012	EPA 8260D	11-22-21	11-22-21	
1,2-Dibromo-3-chloropropane		0.0058	EPA 8260D	11-22-21	11-22-21	
1,2,4-Trichlorobenzene	ND	0.0012	EPA 8260D	11-22-21	11-22-21	
	ND	0.0058	EPA 8260D	11-22-21	11-22-21	
Naphthalene	ND	0.0058	EPA 8260D	11-22-21	11-22-21	
1,2,3-Trichlorobenzene	ND	0.0012	EPA 8260D	11-22-21	11-22-21	
Surrogate:	Percent Recovery	Control Limits				
Dibromofluoromethane	95	74-131				
Toluene-d8	101	78-128				
4-Bromofluorobenzene	96	71-130				
T-DIOITIOIIUOI ODEI IZEI IE	90	11-130				

Laboratory Reference: 2111-217

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Matrix: Soil Units: mg/kg

				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	CB-04-23.5-111821					
Laboratory ID:	11-217-04					
Dichlorodifluoromethane	ND	0.0013	EPA 8260D	11-22-21	11-22-21	_
Chloromethane	ND	0.0065	EPA 8260D	11-22-21	11-22-21	
Vinyl Chloride	ND	0.0013	EPA 8260D	11-22-21	11-22-21	
Bromomethane	ND	0.0065	EPA 8260D	11-22-21	11-22-21	
Chloroethane	ND	0.0065	EPA 8260D	11-22-21	11-22-21	
Trichlorofluoromethane	ND	0.0013	EPA 8260D	11-22-21	11-22-21	
1,1-Dichloroethene	ND	0.0013	EPA 8260D	11-22-21	11-22-21	
Acetone	0.94	0.79	EPA 8260D	11-23-21	11-23-21	
Iodomethane	ND	0.0065	EPA 8260D	11-22-21	11-22-21	
Carbon Disulfide	0.0033	0.0013	EPA 8260D	11-22-21	11-22-21	
Methylene Chloride	ND	0.0065	EPA 8260D	11-22-21	11-22-21	
(trans) 1,2-Dichloroethene	ND	0.0013	EPA 8260D	11-22-21	11-22-21	
Methyl t-Butyl Ether	ND	0.0013	EPA 8260D	11-22-21	11-22-21	
1,1-Dichloroethane	ND	0.0013	EPA 8260D	11-22-21	11-22-21	
Vinyl Acetate	ND	0.0089	EPA 8260D	11-22-21	11-22-21	
2,2-Dichloropropane	ND	0.0013	EPA 8260D	11-22-21	11-22-21	
(cis) 1,2-Dichloroethene	ND	0.0013	EPA 8260D	11-22-21	11-22-21	
2-Butanone	0.16	0.0090	EPA 8260D	11-22-21	11-22-21	Υ
Bromochloromethane	ND	0.0013	EPA 8260D	11-22-21	11-22-21	
Chloroform	ND	0.0013	EPA 8260D	11-22-21	11-22-21	
1,1,1-Trichloroethane	ND	0.0013	EPA 8260D	11-22-21	11-22-21	
Carbon Tetrachloride	ND	0.0013	EPA 8260D	11-22-21	11-22-21	
1,1-Dichloropropene	ND	0.0013	EPA 8260D	11-22-21	11-22-21	
Benzene	ND	0.0013	EPA 8260D	11-22-21	11-22-21	
1,2-Dichloroethane	ND	0.0013	EPA 8260D	11-22-21	11-22-21	
Trichloroethene	ND	0.0013	EPA 8260D	11-22-21	11-22-21	
1,2-Dichloropropane	ND	0.0013	EPA 8260D	11-22-21	11-22-21	
Dibromomethane	ND	0.0013	EPA 8260D	11-22-21	11-22-21	
Bromodichloromethane	ND	0.0013	EPA 8260D	11-22-21	11-22-21	
2-Chloroethyl Vinyl Ether	ND	0.010	EPA 8260D	11-22-21	11-22-21	
(cis) 1,3-Dichloropropene	ND	0.0013	EPA 8260D	11-22-21	11-22-21	
Methyl Isobutyl Ketone	ND	0.0086	EPA 8260D	11-22-21	11-22-21	
Toluene	ND	0.0065	EPA 8260D	11-22-21	11-22-21	
(trans) 1,3-Dichloropropend	e ND	0.0013	EPA 8260D	11-22-21	11-22-21	

Laboratory Reference: 2111-217

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				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	CB-04-23.5-111821					
Laboratory ID:	11-217-04					
1,1,2-Trichloroethane	ND	0.0013	EPA 8260D	11-22-21	11-22-21	
Tetrachloroethene	ND	0.0013	EPA 8260D	11-22-21	11-22-21	
1,3-Dichloropropane	ND	0.0013	EPA 8260D	11-22-21	11-22-21	
2-Hexanone	ND	0.010	EPA 8260D	11-22-21	11-22-21	
Dibromochloromethane	ND	0.0013	EPA 8260D	11-22-21	11-22-21	
1,2-Dibromoethane	ND	0.0013	EPA 8260D	11-22-21	11-22-21	
Chlorobenzene	ND	0.0013	EPA 8260D	11-22-21	11-22-21	
1,1,1,2-Tetrachloroethane	ND	0.0013	EPA 8260D	11-22-21	11-22-21	
Ethylbenzene	ND	0.0013	EPA 8260D	11-22-21	11-22-21	
m,p-Xylene	ND	0.0026	EPA 8260D	11-22-21	11-22-21	
o-Xylene	ND	0.0013	EPA 8260D	11-22-21	11-22-21	
Styrene	ND	0.0013	EPA 8260D	11-22-21	11-22-21	
Bromoform	ND	0.0065	EPA 8260D	11-22-21	11-22-21	
Isopropylbenzene	ND	0.0013	EPA 8260D	11-22-21	11-22-21	
Bromobenzene	ND	0.0013	EPA 8260D	11-22-21	11-22-21	
1,1,2,2-Tetrachloroethane	ND	0.0013	EPA 8260D	11-22-21	11-22-21	
1,2,3-Trichloropropane	ND	0.0017	EPA 8260D	11-22-21	11-22-21	
n-Propylbenzene	ND	0.0013	EPA 8260D	11-22-21	11-22-21	
2-Chlorotoluene	ND	0.0013	EPA 8260D	11-22-21	11-22-21	
4-Chlorotoluene	ND	0.0013	EPA 8260D	11-22-21	11-22-21	
1,3,5-Trimethylbenzene	ND	0.0013	EPA 8260D	11-22-21	11-22-21	
tert-Butylbenzene	ND	0.0013	EPA 8260D	11-22-21	11-22-21	
1,2,4-Trimethylbenzene	ND	0.0013	EPA 8260D	11-22-21	11-22-21	
sec-Butylbenzene	ND	0.0013	EPA 8260D	11-22-21	11-22-21	
1,3-Dichlorobenzene	ND	0.0013	EPA 8260D	11-22-21	11-22-21	
p-Isopropyltoluene	ND	0.0013	EPA 8260D	11-22-21	11-22-21	
1,4-Dichlorobenzene	ND	0.0013	EPA 8260D	11-22-21	11-22-21	
1,2-Dichlorobenzene	ND	0.0013	EPA 8260D	11-22-21	11-22-21	
n-Butylbenzene	ND	0.0013	EPA 8260D	11-22-21	11-22-21	
1,2-Dibromo-3-chloropropan	ne ND	0.0065	EPA 8260D	11-22-21	11-22-21	
1,2,4-Trichlorobenzene	ND	0.0013	EPA 8260D	11-22-21	11-22-21	
Hexachlorobutadiene	ND	0.0065	EPA 8260D	11-22-21	11-22-21	
Naphthalene	ND	0.0065	EPA 8260D	11-22-21	11-22-21	
1,2,3-Trichlorobenzene	ND	0.0013	EPA 8260D	11-22-21	11-22-21	
Surrogate:	Percent Recovery	Control Limits				
Dibromofluoromethane	100	74-131				
Toluene-d8	103	78-128				
4-Bromofluorobenzene	101	71-130				

Laboratory Reference: 2111-217

Project: 060172

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Matrix: Soil Units: mg/kg

				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	CB-04-26.5-111821					
Laboratory ID:	11-217-05					
Dichlorodifluoromethane	ND	0.0014	EPA 8260D	11-22-21	11-22-21	
Chloromethane	ND	0.0068	EPA 8260D	11-22-21	11-22-21	
Vinyl Chloride	ND	0.0014	EPA 8260D	11-22-21	11-22-21	
Bromomethane	ND	0.0068	EPA 8260D	11-22-21	11-22-21	
Chloroethane	ND	0.0068	EPA 8260D	11-22-21	11-22-21	
Trichlorofluoromethane	ND	0.0014	EPA 8260D	11-22-21	11-22-21	
1,1-Dichloroethene	ND	0.0014	EPA 8260D	11-22-21	11-22-21	
Acetone	1.5	0.83	EPA 8260D	11-23-21	11-23-21	
Iodomethane	ND	0.0068	EPA 8260D	11-22-21	11-22-21	
Carbon Disulfide	ND	0.0014	EPA 8260D	11-22-21	11-22-21	
Methylene Chloride	ND	0.0068	EPA 8260D	11-22-21	11-22-21	
(trans) 1,2-Dichloroethene	ND	0.0014	EPA 8260D	11-22-21	11-22-21	
Methyl t-Butyl Ether	ND	0.0014	EPA 8260D	11-22-21	11-22-21	
1,1-Dichloroethane	ND	0.0014	EPA 8260D	11-22-21	11-22-21	
Vinyl Acetate	ND	0.0093	EPA 8260D	11-22-21	11-22-21	
2,2-Dichloropropane	ND	0.0014	EPA 8260D	11-22-21	11-22-21	
(cis) 1,2-Dichloroethene	ND	0.0014	EPA 8260D	11-22-21	11-22-21	
2-Butanone	0.18	0.0094	EPA 8260D	11-22-21	11-22-21	Υ
Bromochloromethane	ND	0.0014	EPA 8260D	11-22-21	11-22-21	
Chloroform	ND	0.0014	EPA 8260D	11-22-21	11-22-21	
1,1,1-Trichloroethane	ND	0.0014	EPA 8260D	11-22-21	11-22-21	
Carbon Tetrachloride	ND	0.0014	EPA 8260D	11-22-21	11-22-21	
1,1-Dichloropropene	ND	0.0014	EPA 8260D	11-22-21	11-22-21	
Benzene	ND	0.0014	EPA 8260D	11-22-21	11-22-21	
1,2-Dichloroethane	ND	0.0014	EPA 8260D	11-22-21	11-22-21	
Trichloroethene	ND	0.0014	EPA 8260D	11-22-21	11-22-21	
1,2-Dichloropropane	ND	0.0014	EPA 8260D	11-22-21	11-22-21	
Dibromomethane	ND	0.0014	EPA 8260D	11-22-21	11-22-21	
Bromodichloromethane	ND	0.0014	EPA 8260D	11-22-21	11-22-21	
2-Chloroethyl Vinyl Ether	ND	0.011	EPA 8260D	11-22-21	11-22-21	
(cis) 1,3-Dichloropropene	ND	0.0014	EPA 8260D	11-22-21	11-22-21	
Methyl Isobutyl Ketone	ND	0.0090	EPA 8260D	11-22-21	11-22-21	
Toluene	ND	0.0068	EPA 8260D	11-22-21	11-22-21	
(trans) 1,3-Dichloropropend	e ND	0.0014	EPA 8260D	11-22-21	11-22-21	

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Project: 060172

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A male 4 a	Day W	DC!	BA-41 - 1	Date	Date	-
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
	CB-04-26.5-111821					
Laboratory ID:	11-217-05					
1,1,2-Trichloroethane	ND	0.0014	EPA 8260D	11-22-21	11-22-21	
Tetrachloroethene	ND	0.0014	EPA 8260D	11-22-21	11-22-21	
1,3-Dichloropropane	ND	0.0014	EPA 8260D	11-22-21	11-22-21	
2-Hexanone	ND	0.011	EPA 8260D	11-22-21	11-22-21	
Dibromochloromethane	ND	0.0014	EPA 8260D	11-22-21	11-22-21	
1,2-Dibromoethane	ND	0.0014	EPA 8260D	11-22-21	11-22-21	
Chlorobenzene	ND	0.0014	EPA 8260D	11-22-21	11-22-21	
1,1,1,2-Tetrachloroethane	ND	0.0014	EPA 8260D	11-22-21	11-22-21	
Ethylbenzene	ND	0.0014	EPA 8260D	11-22-21	11-22-21	
m,p-Xylene	ND	0.0027	EPA 8260D	11-22-21	11-22-21	
o-Xylene	ND	0.0014	EPA 8260D	11-22-21	11-22-21	
Styrene	ND	0.0014	EPA 8260D	11-22-21	11-22-21	
Bromoform	ND	0.0068	EPA 8260D	11-22-21	11-22-21	
Isopropylbenzene	ND	0.0014	EPA 8260D	11-22-21	11-22-21	
Bromobenzene	ND	0.0014	EPA 8260D	11-22-21	11-22-21	
1,1,2,2-Tetrachloroethane	ND	0.0014	EPA 8260D	11-22-21	11-22-21	
1,2,3-Trichloropropane	ND	0.0018	EPA 8260D	11-22-21	11-22-21	
n-Propylbenzene	ND	0.0014	EPA 8260D	11-22-21	11-22-21	
2-Chlorotoluene	ND	0.0014	EPA 8260D	11-22-21	11-22-21	
4-Chlorotoluene	ND	0.0014	EPA 8260D	11-22-21	11-22-21	
1,3,5-Trimethylbenzene	ND	0.0014	EPA 8260D	11-22-21	11-22-21	
tert-Butylbenzene	ND	0.0014	EPA 8260D	11-22-21	11-22-21	
1,2,4-Trimethylbenzene	ND	0.0014	EPA 8260D	11-22-21	11-22-21	
sec-Butylbenzene	ND	0.0014	EPA 8260D	11-22-21	11-22-21	
1,3-Dichlorobenzene	ND	0.0014	EPA 8260D	11-22-21	11-22-21	
p-Isopropyltoluene	ND	0.0014	EPA 8260D	11-22-21	11-22-21	
1,4-Dichlorobenzene	ND	0.0014	EPA 8260D	11-22-21	11-22-21	
1,2-Dichlorobenzene	ND	0.0014	EPA 8260D	11-22-21	11-22-21	
n-Butylbenzene	ND	0.0014	EPA 8260D	11-22-21	11-22-21	
1,2-Dibromo-3-chloropropan	e ND	0.0068	EPA 8260D	11-22-21	11-22-21	
1,2,4-Trichlorobenzene	ND	0.0014	EPA 8260D	11-22-21	11-22-21	
Hexachlorobutadiene	ND	0.0068	EPA 8260D	11-22-21	11-22-21	
Naphthalene	ND	0.0068	EPA 8260D	11-22-21	11-22-21	
1,2,3-Trichlorobenzene	ND	0.0014	EPA 8260D	11-22-21	11-22-21	
Surrogate:	Percent Recovery	Control Limits				
Dibromofluoromethane	102	74-131				
Toluene-d8	102	7 4 -131 78-128				
i diuerie-uo	102	70-120				

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4-Bromofluorobenzene

71-130

104

Laboratory Reference: 2111-217

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				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	CB-05-7-111821					
Laboratory ID:	11-217-06					
Dichlorodifluoromethane	ND	0.0013	EPA 8260D	11-22-21	11-22-21	
Chloromethane	ND	0.0066	EPA 8260D	11-22-21	11-22-21	
Vinyl Chloride	ND	0.0013	EPA 8260D	11-22-21	11-22-21	
Bromomethane	ND	0.0066	EPA 8260D	11-22-21	11-22-21	
Chloroethane	ND	0.0066	EPA 8260D	11-22-21	11-22-21	
Trichlorofluoromethane	ND	0.0013	EPA 8260D	11-22-21	11-22-21	
1,1-Dichloroethene	ND	0.0013	EPA 8260D	11-22-21	11-22-21	
Acetone	0.61	0.013	EPA 8260D	11-22-21	11-22-21	
lodomethane	ND	0.0066	EPA 8260D	11-22-21	11-22-21	
Carbon Disulfide	ND	0.0013	EPA 8260D	11-22-21	11-22-21	
Methylene Chloride	ND	0.0066	EPA 8260D	11-22-21	11-22-21	
(trans) 1,2-Dichloroethene	ND	0.0013	EPA 8260D	11-22-21	11-22-21	
Methyl t-Butyl Ether	ND	0.0013	EPA 8260D	11-22-21	11-22-21	
1,1-Dichloroethane	ND	0.0013	EPA 8260D	11-22-21	11-22-21	
Vinyl Acetate	ND	0.0090	EPA 8260D	11-22-21	11-22-21	
2,2-Dichloropropane	ND	0.0013	EPA 8260D	11-22-21	11-22-21	
(cis) 1,2-Dichloroethene	0.0025	0.0013	EPA 8260D	11-22-21	11-22-21	
2-Butanone	0.087	0.0091	EPA 8260D	11-22-21	11-22-21	Υ
Bromochloromethane	ND	0.0013	EPA 8260D	11-22-21	11-22-21	
Chloroform	ND	0.0013	EPA 8260D	11-22-21	11-22-21	
1,1,1-Trichloroethane	ND	0.0013	EPA 8260D	11-22-21	11-22-21	
Carbon Tetrachloride	ND	0.0013	EPA 8260D	11-22-21	11-22-21	
1,1-Dichloropropene	ND	0.0013	EPA 8260D	11-22-21	11-22-21	
Benzene	ND	0.0013	EPA 8260D	11-22-21	11-22-21	
1,2-Dichloroethane	ND	0.0013	EPA 8260D	11-22-21	11-22-21	
Trichloroethene	0.0038	0.0013	EPA 8260D	11-22-21	11-22-21	
1,2-Dichloropropane	ND	0.0013	EPA 8260D	11-22-21	11-22-21	
Dibromomethane	ND	0.0013	EPA 8260D	11-22-21	11-22-21	
Bromodichloromethane	ND	0.0013	EPA 8260D	11-22-21	11-22-21	
2-Chloroethyl Vinyl Ether	ND	0.010	EPA 8260D	11-22-21	11-22-21	
(cis) 1,3-Dichloropropene	ND	0.0013	EPA 8260D	11-22-21	11-22-21	
Methyl Isobutyl Ketone	ND	0.0087	EPA 8260D	11-22-21	11-22-21	
Toluene	ND	0.0066	EPA 8260D	11-22-21	11-22-21	
(trans) 1,3-Dichloropropene	ND	0.0013	EPA 8260D	11-22-21	11-22-21	

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				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	CB-05-7-111821					
Laboratory ID:	11-217-06					
1,1,2-Trichloroethane	ND	0.0013	EPA 8260D	11-22-21	11-22-21	
Tetrachloroethene	0.030	0.0013	EPA 8260D	11-22-21	11-22-21	
1,3-Dichloropropane	ND	0.0013	EPA 8260D	11-22-21	11-22-21	
2-Hexanone	ND	0.011	EPA 8260D	11-22-21	11-22-21	
Dibromochloromethane	ND	0.0013	EPA 8260D	11-22-21	11-22-21	
1,2-Dibromoethane	ND	0.0013	EPA 8260D	11-22-21	11-22-21	
Chlorobenzene	ND	0.0013	EPA 8260D	11-22-21	11-22-21	
1,1,1,2-Tetrachloroethane	ND	0.0013	EPA 8260D	11-22-21	11-22-21	
Ethylbenzene	ND	0.0013	EPA 8260D	11-22-21	11-22-21	
m,p-Xylene	ND	0.0026	EPA 8260D	11-22-21	11-22-21	
o-Xylene	ND	0.0013	EPA 8260D	11-22-21	11-22-21	
Styrene	ND	0.0013	EPA 8260D	11-22-21	11-22-21	
Bromoform	ND	0.0066	EPA 8260D	11-22-21	11-22-21	
Isopropylbenzene	ND	0.0013	EPA 8260D	11-22-21	11-22-21	
Bromobenzene	ND	0.0013	EPA 8260D	11-22-21	11-22-21	
1,1,2,2-Tetrachloroethane	ND	0.0013	EPA 8260D	11-22-21	11-22-21	
1,2,3-Trichloropropane	ND	0.0017	EPA 8260D	11-22-21	11-22-21	
n-Propylbenzene	ND	0.0013	EPA 8260D	11-22-21	11-22-21	
2-Chlorotoluene	ND	0.0013	EPA 8260D	11-22-21	11-22-21	
4-Chlorotoluene	ND	0.0013	EPA 8260D	11-22-21	11-22-21	
1,3,5-Trimethylbenzene	ND	0.0013	EPA 8260D	11-22-21	11-22-21	
tert-Butylbenzene	ND	0.0013	EPA 8260D	11-22-21	11-22-21	
1,2,4-Trimethylbenzene	ND	0.0013	EPA 8260D	11-22-21	11-22-21	
sec-Butylbenzene	ND	0.0013	EPA 8260D	11-22-21	11-22-21	
1,3-Dichlorobenzene	ND	0.0013	EPA 8260D	11-22-21	11-22-21	
p-Isopropyltoluene	ND	0.0013	EPA 8260D	11-22-21	11-22-21	
1,4-Dichlorobenzene	ND	0.0013	EPA 8260D	11-22-21	11-22-21	
1,2-Dichlorobenzene	ND	0.0013	EPA 8260D	11-22-21	11-22-21	
n-Butylbenzene	ND	0.0013	EPA 8260D	11-22-21	11-22-21	
1,2-Dibromo-3-chloropropane	e ND	0.0066	EPA 8260D	11-22-21	11-22-21	
1,2,4-Trichlorobenzene	ND	0.0013	EPA 8260D	11-22-21	11-22-21	
Hexachlorobutadiene	ND	0.0066	EPA 8260D	11-22-21	11-22-21	
Naphthalene	ND	0.0066	EPA 8260D	11-22-21	11-22-21	
1,2,3-Trichlorobenzene	ND	0.0013	EPA 8260D	11-22-21	11-22-21	
Surrogate:	Percent Recovery	Control Limits				
Dibromofluoromethane	94	74-131				
Toluene-d8	98	78-128				
4-Bromofluorobenzene	93	71-130				

Laboratory Reference: 2111-217

Project: 060172

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				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	CB-05-12-111821					
Laboratory ID:	11-217-07					
Dichlorodifluoromethane	ND	0.0018	EPA 8260D	11-22-21	11-22-21	
Chloromethane	ND	0.0090	EPA 8260D	11-22-21	11-22-21	
Vinyl Chloride	ND	0.0018	EPA 8260D	11-22-21	11-22-21	
Bromomethane	ND	0.0090	EPA 8260D	11-22-21	11-22-21	
Chloroethane	ND	0.0090	EPA 8260D	11-22-21	11-22-21	
Trichlorofluoromethane	ND	0.0018	EPA 8260D	11-22-21	11-22-21	
1,1-Dichloroethene	ND	0.0018	EPA 8260D	11-22-21	11-22-21	
Acetone	0.43	0.018	EPA 8260D	11-22-21	11-22-21	
Iodomethane	ND	0.0090	EPA 8260D	11-22-21	11-22-21	
Carbon Disulfide	ND	0.0018	EPA 8260D	11-22-21	11-22-21	
Methylene Chloride	ND	0.0090	EPA 8260D	11-22-21	11-22-21	
(trans) 1,2-Dichloroethene	ND	0.0018	EPA 8260D	11-22-21	11-22-21	
Methyl t-Butyl Ether	ND	0.0018	EPA 8260D	11-22-21	11-22-21	
1,1-Dichloroethane	ND	0.0018	EPA 8260D	11-22-21	11-22-21	
Vinyl Acetate	ND	0.012	EPA 8260D	11-22-21	11-22-21	
2,2-Dichloropropane	ND	0.0018	EPA 8260D	11-22-21	11-22-21	
(cis) 1,2-Dichloroethene	ND	0.0018	EPA 8260D	11-22-21	11-22-21	
2-Butanone	0.058	0.012	EPA 8260D	11-22-21	11-22-21	Υ
Bromochloromethane	ND	0.0018	EPA 8260D	11-22-21	11-22-21	
Chloroform	ND	0.0018	EPA 8260D	11-22-21	11-22-21	
1,1,1-Trichloroethane	ND	0.0018	EPA 8260D	11-22-21	11-22-21	
Carbon Tetrachloride	ND	0.0018	EPA 8260D	11-22-21	11-22-21	
1,1-Dichloropropene	ND	0.0018	EPA 8260D	11-22-21	11-22-21	
Benzene	ND	0.0018	EPA 8260D	11-22-21	11-22-21	
1,2-Dichloroethane	ND	0.0018	EPA 8260D	11-22-21	11-22-21	
Trichloroethene	0.0028	0.0018	EPA 8260D	11-22-21	11-22-21	
1,2-Dichloropropane	ND	0.0018	EPA 8260D	11-22-21	11-22-21	
Dibromomethane	ND	0.0018	EPA 8260D	11-22-21	11-22-21	
Bromodichloromethane	ND	0.0018	EPA 8260D	11-22-21	11-22-21	
2-Chloroethyl Vinyl Ether	ND	0.014	EPA 8260D	11-22-21	11-22-21	
(cis) 1,3-Dichloropropene	ND	0.0018	EPA 8260D	11-22-21	11-22-21	
Methyl Isobutyl Ketone	ND	0.012	EPA 8260D	11-22-21	11-22-21	
Toluene	ND	0.0090	EPA 8260D	11-22-21	11-22-21	
(trans) 1,3-Dichloropropene	. ND	0.0018	EPA 8260D	11-22-21	11-22-21	

Laboratory Reference: 2111-217

Project: 060172

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				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	CB-05-12-111821					
Laboratory ID:	11-217-07					
1,1,2-Trichloroethane	ND	0.0018	EPA 8260D	11-22-21	11-22-21	
Tetrachloroethene	0.069	0.0018	EPA 8260D	11-22-21	11-22-21	
1,3-Dichloropropane	ND	0.0018	EPA 8260D	11-22-21	11-22-21	
2-Hexanone	ND	0.014	EPA 8260D	11-22-21	11-22-21	
Dibromochloromethane	ND	0.0018	EPA 8260D	11-22-21	11-22-21	
1,2-Dibromoethane	ND	0.0018	EPA 8260D	11-22-21	11-22-21	
Chlorobenzene	ND	0.0018	EPA 8260D	11-22-21	11-22-21	
1,1,1,2-Tetrachloroethane	ND	0.0018	EPA 8260D	11-22-21	11-22-21	
Ethylbenzene	ND	0.0018	EPA 8260D	11-22-21	11-22-21	
m,p-Xylene	ND	0.0036	EPA 8260D	11-22-21	11-22-21	
o-Xylene	ND	0.0018	EPA 8260D	11-22-21	11-22-21	
Styrene	ND	0.0018	EPA 8260D	11-22-21	11-22-21	
Bromoform	ND	0.0090	EPA 8260D	11-22-21	11-22-21	
Isopropylbenzene	ND	0.0018	EPA 8260D	11-22-21	11-22-21	
Bromobenzene	ND	0.074	EPA 8260D	11-23-21	11-23-21	
1,1,2,2-Tetrachloroethane	ND	0.10	EPA 8260D	11-23-21	11-23-21	
1,2,3-Trichloropropane	ND	0.11	EPA 8260D	11-23-21	11-23-21	
n-Propylbenzene	ND	0.074	EPA 8260D	11-23-21	11-23-21	
2-Chlorotoluene	ND	0.074	EPA 8260D	11-23-21	11-23-21	
4-Chlorotoluene	ND	0.074	EPA 8260D	11-23-21	11-23-21	
1,3,5-Trimethylbenzene	ND	0.074	EPA 8260D	11-23-21	11-23-21	
tert-Butylbenzene	ND	0.074	EPA 8260D	11-23-21	11-23-21	
1,2,4-Trimethylbenzene	ND	0.074	EPA 8260D	11-23-21	11-23-21	
sec-Butylbenzene	ND	0.074	EPA 8260D	11-23-21	11-23-21	
1,3-Dichlorobenzene	ND	0.074	EPA 8260D	11-23-21	11-23-21	
p-Isopropyltoluene	ND	0.074	EPA 8260D	11-23-21	11-23-21	
1,4-Dichlorobenzene	ND	0.074	EPA 8260D	11-23-21	11-23-21	
1,2-Dichlorobenzene	ND	0.074	EPA 8260D	11-23-21	11-23-21	
n-Butylbenzene	ND	0.074	EPA 8260D	11-23-21	11-23-21	
1,2-Dibromo-3-chloropropane	e ND	0.49	EPA 8260D	11-23-21	11-23-21	
1,2,4-Trichlorobenzene	ND	0.074	EPA 8260D	11-23-21	11-23-21	
Hexachlorobutadiene	ND	0.37	EPA 8260D	11-23-21	11-23-21	
Naphthalene	ND	0.47	EPA 8260D	11-23-21	11-23-21	
1,2,3-Trichlorobenzene	ND	0.074	EPA 8260D	11-23-21	11-23-21	
Surrogate:	Percent Recovery	Control Limits				
Dibromofluoromethane	102	74-131				
T. I. IO	102	77 101				

4-Bromofluorobenzene

Toluene-d8

78-128

71-130

99

88

Laboratory Reference: 2111-217

Project: 060172

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				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	CB-05-18-111821					
Laboratory ID:	11-217-08					
Dichlorodifluoromethane	ND	0.0013	EPA 8260D	11-22-21	11-22-21	_
Chloromethane	ND	0.0063	EPA 8260D	11-22-21	11-22-21	
Vinyl Chloride	ND	0.0013	EPA 8260D	11-22-21	11-22-21	
Bromomethane	ND	0.0063	EPA 8260D	11-22-21	11-22-21	
Chloroethane	ND	0.0063	EPA 8260D	11-22-21	11-22-21	
Trichlorofluoromethane	ND	0.0013	EPA 8260D	11-22-21	11-22-21	
1,1-Dichloroethene	ND	0.0013	EPA 8260D	11-22-21	11-22-21	
Acetone	0.58	0.013	EPA 8260D	11-22-21	11-22-21	
lodomethane	ND	0.0063	EPA 8260D	11-22-21	11-22-21	
Carbon Disulfide	ND	0.0013	EPA 8260D	11-22-21	11-22-21	
Methylene Chloride	ND	0.0063	EPA 8260D	11-22-21	11-22-21	
(trans) 1,2-Dichloroethene	ND	0.0013	EPA 8260D	11-22-21	11-22-21	
Methyl t-Butyl Ether	ND	0.0013	EPA 8260D	11-22-21	11-22-21	
1,1-Dichloroethane	ND	0.0013	EPA 8260D	11-22-21	11-22-21	
Vinyl Acetate	ND	0.0085	EPA 8260D	11-22-21	11-22-21	
2,2-Dichloropropane	ND	0.0013	EPA 8260D	11-22-21	11-22-21	
(cis) 1,2-Dichloroethene	ND	0.0013	EPA 8260D	11-22-21	11-22-21	
2-Butanone	0.040	0.0086	EPA 8260D	11-22-21	11-22-21	Υ
Bromochloromethane	ND	0.0013	EPA 8260D	11-22-21	11-22-21	
Chloroform	ND	0.0013	EPA 8260D	11-22-21	11-22-21	
1,1,1-Trichloroethane	ND	0.0013	EPA 8260D	11-22-21	11-22-21	
Carbon Tetrachloride	ND	0.0013	EPA 8260D	11-22-21	11-22-21	
1,1-Dichloropropene	ND	0.0013	EPA 8260D	11-22-21	11-22-21	
Benzene	ND	0.0013	EPA 8260D	11-22-21	11-22-21	
1,2-Dichloroethane	ND	0.0013	EPA 8260D	11-22-21	11-22-21	
Trichloroethene	ND	0.0013	EPA 8260D	11-22-21	11-22-21	
1,2-Dichloropropane	ND	0.0013	EPA 8260D	11-22-21	11-22-21	
Dibromomethane	ND	0.0013	EPA 8260D	11-22-21	11-22-21	
Bromodichloromethane	ND	0.0013	EPA 8260D	11-22-21	11-22-21	
2-Chloroethyl Vinyl Ether	ND	0.0099	EPA 8260D	11-22-21	11-22-21	
(cis) 1,3-Dichloropropene	ND	0.0013	EPA 8260D	11-22-21	11-22-21	
Methyl Isobutyl Ketone	ND	0.0083	EPA 8260D	11-22-21	11-22-21	
Toluene	ND	0.0063	EPA 8260D	11-22-21	11-22-21	
(trans) 1,3-Dichloropropene	ND	0.0013	EPA 8260D	11-22-21	11-22-21	

Laboratory Reference: 2111-217

Project: 060172

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				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	CB-05-18-111821					
Laboratory ID:	11-217-08					
1,1,2-Trichloroethane	ND	0.0013	EPA 8260D	11-22-21	11-22-21	
Tetrachloroethene	ND	0.0013	EPA 8260D	11-22-21	11-22-21	
1,3-Dichloropropane	ND	0.0013	EPA 8260D	11-22-21	11-22-21	
2-Hexanone	ND	0.010	EPA 8260D	11-22-21	11-22-21	
Dibromochloromethane	ND	0.0013	EPA 8260D	11-22-21	11-22-21	
1,2-Dibromoethane	ND	0.0013	EPA 8260D	11-22-21	11-22-21	
Chlorobenzene	ND	0.0013	EPA 8260D	11-22-21	11-22-21	
1,1,1,2-Tetrachloroethane	ND	0.0013	EPA 8260D	11-22-21	11-22-21	
Ethylbenzene	ND	0.0013	EPA 8260D	11-22-21	11-22-21	
m,p-Xylene	ND	0.0025	EPA 8260D	11-22-21	11-22-21	
o-Xylene	ND	0.0013	EPA 8260D	11-22-21	11-22-21	
Styrene	ND	0.0013	EPA 8260D	11-22-21	11-22-21	
Bromoform	ND	0.0063	EPA 8260D	11-22-21	11-22-21	
Isopropylbenzene	ND	0.0013	EPA 8260D	11-22-21	11-22-21	
Bromobenzene	ND	0.0013	EPA 8260D	11-22-21	11-22-21	
1,1,2,2-Tetrachloroethane	ND	0.0013	EPA 8260D	11-22-21	11-22-21	
1,2,3-Trichloropropane	ND	0.0016	EPA 8260D	11-22-21	11-22-21	
n-Propylbenzene	ND	0.0013	EPA 8260D	11-22-21	11-22-21	
2-Chlorotoluene	ND	0.0013	EPA 8260D	11-22-21	11-22-21	
4-Chlorotoluene	ND	0.0013	EPA 8260D	11-22-21	11-22-21	
1,3,5-Trimethylbenzene	ND	0.0013	EPA 8260D	11-22-21	11-22-21	
tert-Butylbenzene	ND	0.0013	EPA 8260D	11-22-21	11-22-21	
1,2,4-Trimethylbenzene	ND	0.0013	EPA 8260D	11-22-21	11-22-21	
sec-Butylbenzene	ND	0.0013	EPA 8260D	11-22-21	11-22-21	
1,3-Dichlorobenzene	ND	0.0013	EPA 8260D	11-22-21	11-22-21	
p-Isopropyltoluene	ND	0.0013	EPA 8260D	11-22-21	11-22-21	
1,4-Dichlorobenzene	ND	0.0013	EPA 8260D	11-22-21	11-22-21	
1,2-Dichlorobenzene	ND	0.0013	EPA 8260D	11-22-21	11-22-21	
n-Butylbenzene	ND	0.0013	EPA 8260D	11-22-21	11-22-21	
1,2-Dibromo-3-chloropropane	e ND	0.0063	EPA 8260D	11-22-21	11-22-21	
1,2,4-Trichlorobenzene	ND	0.0013	EPA 8260D	11-22-21	11-22-21	
Hexachlorobutadiene	ND	0.0063	EPA 8260D	11-22-21	11-22-21	
Naphthalene	ND	0.0063	EPA 8260D	11-22-21	11-22-21	
1,2,3-Trichlorobenzene	ND	0.0013	EPA 8260D	11-22-21	11-22-21	
Surrogate:	Percent Recovery	Control Limits				
Dibromofluoromethane	98	74-131				
Toluene-d8	100	78-128				
4-Bromofluorobenzene	106	71-130				

Laboratory Reference: 2111-217

Project: 060172

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				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	CB-05-27.5-111821					
Laboratory ID:	11-217-09					
Dichlorodifluoromethane	ND	0.00084	EPA 8260D	11-22-21	11-22-21	
Chloromethane	ND	0.0042	EPA 8260D	11-22-21	11-22-21	
Vinyl Chloride	ND	0.00084	EPA 8260D	11-22-21	11-22-21	
Bromomethane	ND	0.0042	EPA 8260D	11-22-21	11-22-21	
Chloroethane	ND	0.0042	EPA 8260D	11-22-21	11-22-21	
Trichlorofluoromethane	ND	0.00084	EPA 8260D	11-22-21	11-22-21	
1,1-Dichloroethene	ND	0.00084	EPA 8260D	11-22-21	11-22-21	
Acetone	0.39	0.0084	EPA 8260D	11-22-21	11-22-21	
lodomethane	ND	0.0042	EPA 8260D	11-22-21	11-22-21	
Carbon Disulfide	ND	0.00084	EPA 8260D	11-22-21	11-22-21	
Methylene Chloride	ND	0.0042	EPA 8260D	11-22-21	11-22-21	
(trans) 1,2-Dichloroethene	ND	0.00084	EPA 8260D	11-22-21	11-22-21	
Methyl t-Butyl Ether	ND	0.00084	EPA 8260D	11-22-21	11-22-21	
1,1-Dichloroethane	ND	0.00084	EPA 8260D	11-22-21	11-22-21	
Vinyl Acetate	ND	0.0057	EPA 8260D	11-22-21	11-22-21	
2,2-Dichloropropane	ND	0.00084	EPA 8260D	11-22-21	11-22-21	
(cis) 1,2-Dichloroethene	ND	0.00084	EPA 8260D	11-22-21	11-22-21	
2-Butanone	0.030	0.0058	EPA 8260D	11-22-21	11-22-21	Υ
Bromochloromethane	ND	0.00084	EPA 8260D	11-22-21	11-22-21	
Chloroform	ND	0.00084	EPA 8260D	11-22-21	11-22-21	
1,1,1-Trichloroethane	ND	0.00084	EPA 8260D	11-22-21	11-22-21	
Carbon Tetrachloride	ND	0.00084	EPA 8260D	11-22-21	11-22-21	
1,1-Dichloropropene	ND	0.00084	EPA 8260D	11-22-21	11-22-21	
Benzene	ND	0.00084	EPA 8260D	11-22-21	11-22-21	
1,2-Dichloroethane	ND	0.00084	EPA 8260D	11-22-21	11-22-21	
Trichloroethene	ND	0.00084	EPA 8260D	11-22-21	11-22-21	
1,2-Dichloropropane	ND	0.00084	EPA 8260D	11-22-21	11-22-21	
Dibromomethane	ND	0.00084	EPA 8260D	11-22-21	11-22-21	
Bromodichloromethane	ND	0.00084	EPA 8260D	11-22-21	11-22-21	
2-Chloroethyl Vinyl Ether	ND	0.0066	EPA 8260D	11-22-21	11-22-21	
(cis) 1,3-Dichloropropene	ND	0.00084	EPA 8260D	11-22-21	11-22-21	
Methyl Isobutyl Ketone	ND	0.0055	EPA 8260D	11-22-21	11-22-21	
Toluene	ND	0.0042	EPA 8260D	11-22-21	11-22-21	
(trans) 1,3-Dichloropropend	e ND	0.00084	EPA 8260D	11-22-21	11-22-21	

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				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	CB-05-27.5-111821					
Laboratory ID:	11-217-09					
1,1,2-Trichloroethane	ND	0.00084	EPA 8260D	11-22-21	11-22-21	
Tetrachloroethene	0.0016	0.00084	EPA 8260D	11-22-21	11-22-21	
1,3-Dichloropropane	ND	0.00084	EPA 8260D	11-22-21	11-22-21	
2-Hexanone	ND	0.0067	EPA 8260D	11-22-21	11-22-21	
Dibromochloromethane	ND	0.00084	EPA 8260D	11-22-21	11-22-21	
1,2-Dibromoethane	ND	0.00084	EPA 8260D	11-22-21	11-22-21	
Chlorobenzene	ND	0.00084	EPA 8260D	11-22-21	11-22-21	
1,1,1,2-Tetrachloroethane	ND	0.00084	EPA 8260D	11-22-21	11-22-21	
Ethylbenzene	ND	0.00084	EPA 8260D	11-22-21	11-22-21	
m,p-Xylene	ND	0.0017	EPA 8260D	11-22-21	11-22-21	
o-Xylene	ND	0.00084	EPA 8260D	11-22-21	11-22-21	
Styrene	ND	0.00084	EPA 8260D	11-22-21	11-22-21	
Bromoform	ND	0.0042	EPA 8260D	11-22-21	11-22-21	
Isopropylbenzene	ND	0.00084	EPA 8260D	11-22-21	11-22-21	
Bromobenzene	ND	0.00084	EPA 8260D	11-22-21	11-22-21	
1,1,2,2-Tetrachloroethane	ND	0.00084	EPA 8260D	11-22-21	11-22-21	
1,2,3-Trichloropropane	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
n-Propylbenzene	ND	0.00084	EPA 8260D	11-22-21	11-22-21	
2-Chlorotoluene	ND	0.00084	EPA 8260D	11-22-21	11-22-21	
4-Chlorotoluene	ND	0.00084	EPA 8260D	11-22-21	11-22-21	
1,3,5-Trimethylbenzene	ND	0.00084	EPA 8260D	11-22-21	11-22-21	
tert-Butylbenzene	ND	0.00084	EPA 8260D	11-22-21	11-22-21	
1,2,4-Trimethylbenzene	ND	0.00084	EPA 8260D	11-22-21	11-22-21	
sec-Butylbenzene	ND	0.00084	EPA 8260D	11-22-21	11-22-21	
1,3-Dichlorobenzene	ND	0.00084	EPA 8260D	11-22-21	11-22-21	
p-Isopropyltoluene	ND	0.00084	EPA 8260D	11-22-21	11-22-21	
1,4-Dichlorobenzene	ND	0.00084	EPA 8260D	11-22-21	11-22-21	
1,2-Dichlorobenzene	ND	0.00084	EPA 8260D	11-22-21	11-22-21	
n-Butylbenzene	ND	0.00084	EPA 8260D	11-22-21	11-22-21	
1,2-Dibromo-3-chloropropan		0.0042	EPA 8260D	11-22-21	11-22-21	
1,2,4-Trichlorobenzene	ND	0.00084	EPA 8260D	11-22-21	11-22-21	
Hexachlorobutadiene	ND	0.0042	EPA 8260D	11-22-21	11-22-21	
Naphthalene	ND	0.0042	EPA 8260D	11-22-21	11-22-21	
1,2,3-Trichlorobenzene	ND	0.00084	EPA 8260D	11-22-21	11-22-21	
			LI A 0200D	- <u> </u> - - - - - - - - - - - - -	11-22-21	
Surrogate:	Percent Recovery	Control Limits				
Dibromofluoromethane	94	74-131				
Toluene-d8	100	78-128				

4-Bromofluorobenzene

71-130

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Laboratory Reference: 2111-217

Project: 060172

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				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	CB-03-7-111821					
Laboratory ID:	11-217-10					
Dichlorodifluoromethane	ND	0.0012	EPA 8260D	11-22-21	11-22-21	
Chloromethane	ND	0.0060	EPA 8260D	11-22-21	11-22-21	
Vinyl Chloride	ND	0.0012	EPA 8260D	11-22-21	11-22-21	
Bromomethane	ND	0.0060	EPA 8260D	11-22-21	11-22-21	
Chloroethane	ND	0.0060	EPA 8260D	11-22-21	11-22-21	
Trichlorofluoromethane	ND	0.0012	EPA 8260D	11-22-21	11-22-21	
1,1-Dichloroethene	ND	0.0012	EPA 8260D	11-22-21	11-22-21	
Acetone	0.83	0.012	EPA 8260D	11-22-21	11-22-21	Е
lodomethane	ND	0.0060	EPA 8260D	11-22-21	11-22-21	
Carbon Disulfide	0.0062	0.0012	EPA 8260D	11-22-21	11-22-21	
Methylene Chloride	ND	0.0060	EPA 8260D	11-22-21	11-22-21	
(trans) 1,2-Dichloroethene	ND	0.0012	EPA 8260D	11-22-21	11-22-21	
Methyl t-Butyl Ether	ND	0.0012	EPA 8260D	11-22-21	11-22-21	
1,1-Dichloroethane	ND	0.0012	EPA 8260D	11-22-21	11-22-21	
Vinyl Acetate	ND	0.0081	EPA 8260D	11-22-21	11-22-21	
2,2-Dichloropropane	ND	0.0012	EPA 8260D	11-22-21	11-22-21	
(cis) 1,2-Dichloroethene	ND	0.0012	EPA 8260D	11-22-21	11-22-21	
2-Butanone	0.11	0.0083	EPA 8260D	11-22-21	11-22-21	Υ
Bromochloromethane	ND	0.0012	EPA 8260D	11-22-21	11-22-21	
Chloroform	ND	0.0012	EPA 8260D	11-22-21	11-22-21	
1,1,1-Trichloroethane	ND	0.0012	EPA 8260D	11-22-21	11-22-21	
Carbon Tetrachloride	ND	0.0012	EPA 8260D	11-22-21	11-22-21	
1,1-Dichloropropene	ND	0.0012	EPA 8260D	11-22-21	11-22-21	
Benzene	0.0025	0.0012	EPA 8260D	11-22-21	11-22-21	
1,2-Dichloroethane	ND	0.0012	EPA 8260D	11-22-21	11-22-21	
Trichloroethene	ND	0.0012	EPA 8260D	11-22-21	11-22-21	
1,2-Dichloropropane	ND	0.0012	EPA 8260D	11-22-21	11-22-21	
Dibromomethane	ND	0.0012	EPA 8260D	11-22-21	11-22-21	
Bromodichloromethane	ND	0.0012	EPA 8260D	11-22-21	11-22-21	
2-Chloroethyl Vinyl Ether	ND	0.0095	EPA 8260D	11-22-21	11-22-21	
(cis) 1,3-Dichloropropene	ND	0.0012	EPA 8260D	11-22-21	11-22-21	
Methyl Isobutyl Ketone	ND	0.0079	EPA 8260D	11-22-21	11-22-21	
Toluene	ND	0.0060	EPA 8260D	11-22-21	11-22-21	
(trans) 1,3-Dichloropropene	ND	0.0012	EPA 8260D	11-22-21	11-22-21	

Laboratory Reference: 2111-217

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				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	CB-03-7-111821					
Laboratory ID:	11-217-10					
1,1,2-Trichloroethane	ND	0.0012	EPA 8260D	11-22-21	11-22-21	
Tetrachloroethene	ND	0.0012	EPA 8260D	11-22-21	11-22-21	
1,3-Dichloropropane	ND	0.0012	EPA 8260D	11-22-21	11-22-21	
2-Hexanone	ND	0.0096	EPA 8260D	11-22-21	11-22-21	
Dibromochloromethane	ND	0.0012	EPA 8260D	11-22-21	11-22-21	
1,2-Dibromoethane	ND	0.0012	EPA 8260D	11-22-21	11-22-21	
Chlorobenzene	ND	0.0012	EPA 8260D	11-22-21	11-22-21	
1,1,1,2-Tetrachloroethane	ND	0.0012	EPA 8260D	11-22-21	11-22-21	
Ethylbenzene	ND	0.0012	EPA 8260D	11-22-21	11-22-21	
m,p-Xylene	ND	0.0024	EPA 8260D	11-22-21	11-22-21	
o-Xylene	ND	0.0012	EPA 8260D	11-22-21	11-22-21	
Styrene	ND	0.0012	EPA 8260D	11-22-21	11-22-21	
Bromoform	ND	0.0060	EPA 8260D	11-22-21	11-22-21	
Isopropylbenzene	ND	0.0012	EPA 8260D	11-22-21	11-22-21	
Bromobenzene	ND	0.0012	EPA 8260D	11-22-21	11-22-21	
1,1,2,2-Tetrachloroethane	ND	0.0012	EPA 8260D	11-22-21	11-22-21	
1,2,3-Trichloropropane	ND	0.0016	EPA 8260D	11-22-21	11-22-21	
n-Propylbenzene	ND	0.0012	EPA 8260D	11-22-21	11-22-21	
2-Chlorotoluene	ND	0.0012	EPA 8260D	11-22-21	11-22-21	
4-Chlorotoluene	ND	0.0012	EPA 8260D	11-22-21	11-22-21	
1,3,5-Trimethylbenzene	ND	0.0012	EPA 8260D	11-22-21	11-22-21	
tert-Butylbenzene	ND	0.0012	EPA 8260D	11-22-21	11-22-21	
1,2,4-Trimethylbenzene	0.0014	0.0012	EPA 8260D	11-22-21	11-22-21	
sec-Butylbenzene	ND	0.0012	EPA 8260D	11-22-21	11-22-21	
1,3-Dichlorobenzene	ND	0.0012	EPA 8260D	11-22-21	11-22-21	
p-Isopropyltoluene	ND	0.0012	EPA 8260D	11-22-21	11-22-21	
1,4-Dichlorobenzene	ND	0.0012	EPA 8260D	11-22-21	11-22-21	
1,2-Dichlorobenzene	ND	0.0012	EPA 8260D	11-22-21	11-22-21	
n-Butylbenzene	ND	0.0012	EPA 8260D	11-22-21	11-22-21	
1,2-Dibromo-3-chloropropane	· ND	0.0060	EPA 8260D	11-22-21	11-22-21	
1,2,4-Trichlorobenzene	ND	0.0012	EPA 8260D	11-22-21	11-22-21	
Hexachlorobutadiene	ND	0.0060	EPA 8260D	11-22-21	11-22-21	
Naphthalene	ND	0.0060	EPA 8260D	11-22-21	11-22-21	
1,2,3-Trichlorobenzene	ND	0.0012	EPA 8260D	11-22-21	11-22-21	
Surrogate:	Percent Recovery	Control Limits				
Dibromofluoromethane	97	74-131				
Toluene-d8	102	78-128				
4-Bromofluorobenzene	96	71-130				

Laboratory Reference: 2111-217

Project: 060172

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				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	CB-03-8-111821					
Laboratory ID:	11-217-11					
Dichlorodifluoromethane	ND	0.0023	EPA 8260D	11-22-21	11-23-21	
Chloromethane	ND	0.0084	EPA 8260D	11-22-21	11-23-21	
Vinyl Chloride	ND	0.0013	EPA 8260D	11-22-21	11-23-21	
Bromomethane	ND	0.0065	EPA 8260D	11-22-21	11-23-21	
Chloroethane	ND	0.0065	EPA 8260D	11-22-21	11-23-21	
Trichlorofluoromethane	ND	0.0013	EPA 8260D	11-22-21	11-23-21	
1,1-Dichloroethene	ND	0.0013	EPA 8260D	11-22-21	11-23-21	
Acetone	1.1	0.013	EPA 8260D	11-22-21	11-23-21	E
lodomethane	ND	0.0065	EPA 8260D	11-22-21	11-23-21	
Carbon Disulfide	0.0014	0.0013	EPA 8260D	11-22-21	11-23-21	
Methylene Chloride	ND	0.0065	EPA 8260D	11-22-21	11-23-21	
(trans) 1,2-Dichloroethene	ND	0.0013	EPA 8260D	11-22-21	11-23-21	
Methyl t-Butyl Ether	ND	0.0013	EPA 8260D	11-22-21	11-23-21	
1,1-Dichloroethane	ND	0.0013	EPA 8260D	11-22-21	11-23-21	
Vinyl Acetate	ND	0.0065	EPA 8260D	11-22-21	11-23-21	
2,2-Dichloropropane	ND	0.0013	EPA 8260D	11-22-21	11-23-21	
(cis) 1,2-Dichloroethene	ND	0.0013	EPA 8260D	11-22-21	11-23-21	
2-Butanone	0.16	0.0065	EPA 8260D	11-22-21	11-23-21	
Bromochloromethane	ND	0.0013	EPA 8260D	11-22-21	11-23-21	
Chloroform	ND	0.0013	EPA 8260D	11-22-21	11-23-21	
1,1,1-Trichloroethane	ND	0.0013	EPA 8260D	11-22-21	11-23-21	
Carbon Tetrachloride	ND	0.0013	EPA 8260D	11-22-21	11-23-21	
1,1-Dichloropropene	ND	0.0013	EPA 8260D	11-22-21	11-23-21	
Benzene	ND	0.0013	EPA 8260D	11-22-21	11-23-21	
1,2-Dichloroethane	ND	0.0013	EPA 8260D	11-22-21	11-23-21	
Trichloroethene	ND	0.0013	EPA 8260D	11-22-21	11-23-21	
1,2-Dichloropropane	ND	0.0013	EPA 8260D	11-22-21	11-23-21	
Dibromomethane	ND	0.0013	EPA 8260D	11-22-21	11-23-21	
Bromodichloromethane	ND	0.0013	EPA 8260D	11-22-21	11-23-21	
2-Chloroethyl Vinyl Ether	ND	0.0065	EPA 8260D	11-22-21	11-23-21	
(cis) 1,3-Dichloropropene	ND	0.0013	EPA 8260D	11-22-21	11-23-21	
Methyl Isobutyl Ketone	ND	0.0065	EPA 8260D	11-22-21	11-23-21	
Toluene	ND	0.0065	EPA 8260D	11-22-21	11-23-21	
(trans) 1,3-Dichloropropene	ND	0.0013	EPA 8260D	11-22-21	11-23-21	

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				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	CB-03-8-111821					
Laboratory ID:	11-217-11					
1,1,2-Trichloroethane	ND	0.0013	EPA 8260D	11-22-21	11-23-21	
Tetrachloroethene	ND	0.0013	EPA 8260D	11-22-21	11-23-21	
1,3-Dichloropropane	ND	0.0013	EPA 8260D	11-22-21	11-23-21	
2-Hexanone	ND	0.0065	EPA 8260D	11-22-21	11-23-21	
Dibromochloromethane	ND	0.0013	EPA 8260D	11-22-21	11-23-21	
1,2-Dibromoethane	ND	0.0013	EPA 8260D	11-22-21	11-23-21	
Chlorobenzene	ND	0.0013	EPA 8260D	11-22-21	11-23-21	
1,1,1,2-Tetrachloroethane	ND	0.0013	EPA 8260D	11-22-21	11-23-21	
Ethylbenzene	ND	0.0013	EPA 8260D	11-22-21	11-23-21	
m,p-Xylene	ND	0.0026	EPA 8260D	11-22-21	11-23-21	
o-Xylene	ND	0.0013	EPA 8260D	11-22-21	11-23-21	
Styrene	ND	0.0013	EPA 8260D	11-22-21	11-23-21	
Bromoform	ND	0.0065	EPA 8260D	11-22-21	11-23-21	
Isopropylbenzene	ND	0.0013	EPA 8260D	11-22-21	11-23-21	
Bromobenzene	ND	0.0013	EPA 8260D	11-22-21	11-23-21	
1,1,2,2-Tetrachloroethane	ND	0.0013	EPA 8260D	11-22-21	11-23-21	
1,2,3-Trichloropropane	ND	0.0013	EPA 8260D	11-22-21	11-23-21	
n-Propylbenzene	ND	0.0013	EPA 8260D	11-22-21	11-23-21	
2-Chlorotoluene	ND	0.0013	EPA 8260D	11-22-21	11-23-21	
4-Chlorotoluene	ND	0.0013	EPA 8260D	11-22-21	11-23-21	
1,3,5-Trimethylbenzene	ND	0.0013	EPA 8260D	11-22-21	11-23-21	
tert-Butylbenzene	ND	0.0013	EPA 8260D	11-22-21	11-23-21	
1,2,4-Trimethylbenzene	ND	0.0013	EPA 8260D	11-22-21	11-23-21	
sec-Butylbenzene	ND	0.0013	EPA 8260D	11-22-21	11-23-21	
1,3-Dichlorobenzene	ND	0.0013	EPA 8260D	11-22-21	11-23-21	
p-Isopropyltoluene	ND	0.0013	EPA 8260D	11-22-21	11-23-21	
1,4-Dichlorobenzene	ND	0.0013	EPA 8260D	11-22-21	11-23-21	
1,2-Dichlorobenzene	ND	0.0013	EPA 8260D	11-22-21	11-23-21	
n-Butylbenzene	ND	0.0013	EPA 8260D	11-22-21	11-23-21	
1,2-Dibromo-3-chloropropane	e ND	0.0065	EPA 8260D	11-22-21	11-23-21	
1,2,4-Trichlorobenzene	ND	0.0013	EPA 8260D	11-22-21	11-23-21	
Hexachlorobutadiene	ND	0.0065	EPA 8260D	11-22-21	11-23-21	
Naphthalene	ND	0.0065	EPA 8260D	11-22-21	11-23-21	
1,2,3-Trichlorobenzene	ND	0.0013	EPA 8260D	11-22-21	11-23-21	
Surrogate:	Percent Recovery	Control Limits			-	
Dibromofluoromethane	101	74-131				
T. 1. 10	100	70.400				

4-Bromofluorobenzene

Toluene-d8

78-128

71-130

103

99

Laboratory Reference: 2111-217

Project: 060172

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Office. Hig/kg				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	CB-03-21-111821					
Laboratory ID:	11-217-12					
Dichlorodifluoromethane	ND	0.0013	EPA 8260D	11-22-21	11-23-21	
Chloromethane	ND	0.0048	EPA 8260D	11-22-21	11-23-21	
Vinyl Chloride	ND	0.00073	EPA 8260D	11-22-21	11-23-21	
Bromomethane	ND	0.0037	EPA 8260D	11-22-21	11-23-21	
Chloroethane	ND	0.0037	EPA 8260D	11-22-21	11-23-21	
Trichlorofluoromethane	ND	0.00073	EPA 8260D	11-22-21	11-23-21	
1,1-Dichloroethene	ND	0.00073	EPA 8260D	11-22-21	11-23-21	
Acetone	1.9	0.0073	EPA 8260D	11-22-21	11-23-21	E
lodomethane	ND	0.0037	EPA 8260D	11-22-21	11-23-21	
Carbon Disulfide	ND	0.00073	EPA 8260D	11-22-21	11-23-21	
Methylene Chloride	ND	0.0037	EPA 8260D	11-22-21	11-23-21	
(trans) 1,2-Dichloroethene	ND	0.00073	EPA 8260D	11-22-21	11-23-21	
Methyl t-Butyl Ether	ND	0.00073	EPA 8260D	11-22-21	11-23-21	
1,1-Dichloroethane	ND	0.00073	EPA 8260D	11-22-21	11-23-21	
Vinyl Acetate	ND	0.0037	EPA 8260D	11-22-21	11-23-21	
2,2-Dichloropropane	ND	0.00073	EPA 8260D	11-22-21	11-23-21	
(cis) 1,2-Dichloroethene	ND	0.00073	EPA 8260D	11-22-21	11-23-21	
2-Butanone	0.13	0.0037	EPA 8260D	11-22-21	11-23-21	
Bromochloromethane	ND	0.00073	EPA 8260D	11-22-21	11-23-21	
Chloroform	ND	0.00073	EPA 8260D	11-22-21	11-23-21	
1,1,1-Trichloroethane	ND	0.00073	EPA 8260D	11-22-21	11-23-21	
Carbon Tetrachloride	ND	0.00073	EPA 8260D	11-22-21	11-23-21	
1,1-Dichloropropene	ND	0.00073	EPA 8260D	11-22-21	11-23-21	
Benzene	ND	0.00073	EPA 8260D	11-22-21	11-23-21	
1,2-Dichloroethane	ND	0.00073	EPA 8260D	11-22-21	11-23-21	
Trichloroethene	ND	0.00073	EPA 8260D	11-22-21	11-23-21	
1,2-Dichloropropane	ND	0.00073	EPA 8260D	11-22-21	11-23-21	
Dibromomethane	ND	0.00073	EPA 8260D	11-22-21	11-23-21	
Bromodichloromethane	ND	0.00073	EPA 8260D	11-22-21	11-23-21	
2-Chloroethyl Vinyl Ether	ND	0.0037	EPA 8260D	11-22-21	11-23-21	
(cis) 1,3-Dichloropropene	ND	0.00073	EPA 8260D	11-22-21	11-23-21	
Methyl Isobutyl Ketone	ND	0.0037	EPA 8260D	11-22-21	11-23-21	
Toluene	ND	0.0037	EPA 8260D	11-22-21	11-23-21	
(trans) 1,3-Dichloropropene		0.00073	EPA 8260D	11-22-21	11-23-21	
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				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	CB-03-21-111821					
Laboratory ID:	11-217-12					
1,1,2-Trichloroethane	ND	0.00073	EPA 8260D	11-22-21	11-23-21	
Tetrachloroethene	ND	0.00073	EPA 8260D	11-22-21	11-23-21	
1,3-Dichloropropane	ND	0.00073	EPA 8260D	11-22-21	11-23-21	
2-Hexanone	ND	0.0037	EPA 8260D	11-22-21	11-23-21	
Dibromochloromethane	ND	0.00073	EPA 8260D	11-22-21	11-23-21	
1,2-Dibromoethane	ND	0.00073	EPA 8260D	11-22-21	11-23-21	
Chlorobenzene	ND	0.00073	EPA 8260D	11-22-21	11-23-21	
1,1,1,2-Tetrachloroethane	ND	0.00073	EPA 8260D	11-22-21	11-23-21	
Ethylbenzene	ND	0.00073	EPA 8260D	11-22-21	11-23-21	
m,p-Xylene	ND	0.0015	EPA 8260D	11-22-21	11-23-21	
o-Xylene	ND	0.00073	EPA 8260D	11-22-21	11-23-21	
Styrene	ND	0.00073	EPA 8260D	11-22-21	11-23-21	
Bromoform	ND	0.0037	EPA 8260D	11-22-21	11-23-21	
Isopropylbenzene	ND	0.00073	EPA 8260D	11-22-21	11-23-21	
Bromobenzene	ND	0.00073	EPA 8260D	11-22-21	11-23-21	
1,1,2,2-Tetrachloroethane	ND	0.00073	EPA 8260D	11-22-21	11-23-21	
1,2,3-Trichloropropane	ND	0.00073	EPA 8260D	11-22-21	11-23-21	
n-Propylbenzene	ND	0.00073	EPA 8260D	11-22-21	11-23-21	
2-Chlorotoluene	ND	0.00073	EPA 8260D	11-22-21	11-23-21	
4-Chlorotoluene	ND	0.00073	EPA 8260D	11-22-21	11-23-21	
1,3,5-Trimethylbenzene	ND	0.00073	EPA 8260D	11-22-21	11-23-21	
tert-Butylbenzene	ND	0.00073	EPA 8260D	11-22-21	11-23-21	
1,2,4-Trimethylbenzene	ND	0.00073	EPA 8260D	11-22-21	11-23-21	
sec-Butylbenzene	ND	0.00073	EPA 8260D	11-22-21	11-23-21	
1,3-Dichlorobenzene	ND	0.00073	EPA 8260D	11-22-21	11-23-21	
p-Isopropyltoluene	ND	0.00073	EPA 8260D	11-22-21	11-23-21	
1,4-Dichlorobenzene	ND	0.00073	EPA 8260D	11-22-21	11-23-21	
1,2-Dichlorobenzene	ND	0.00073	EPA 8260D	11-22-21	11-23-21	
n-Butylbenzene	ND	0.00073	EPA 8260D	11-22-21	11-23-21	
1,2-Dibromo-3-chloropropane	e ND	0.0037	EPA 8260D	11-22-21	11-23-21	
1,2,4-Trichlorobenzene	ND	0.00073	EPA 8260D	11-22-21	11-23-21	
Hexachlorobutadiene	ND	0.0037	EPA 8260D	11-22-21	11-23-21	
Naphthalene	ND	0.0037	EPA 8260D	11-22-21	11-23-21	
1,2,3-Trichlorobenzene	ND	0.00073	EPA 8260D	11-22-21	11-23-21	
Surrogate:	Percent Recovery	Control Limits				
Dibromofluoromethane	101	74-131				
Toluene-d8	104	78-128				
4-Bromofluorobenzene	103	71-130				

Laboratory Reference: 2111-217

Project: 060172

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onito. Ing/kg				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	CB-03-26-111821					
Laboratory ID:	11-217-13					
Dichlorodifluoromethane	ND	0.0016	EPA 8260D	11-22-21	11-23-21	
Chloromethane	ND	0.0059	EPA 8260D	11-22-21	11-23-21	
Vinyl Chloride	ND	0.00091	EPA 8260D	11-22-21	11-23-21	
Bromomethane	ND	0.0046	EPA 8260D	11-22-21	11-23-21	
Chloroethane	ND	0.0046	EPA 8260D	11-22-21	11-23-21	
Trichlorofluoromethane	ND	0.00091	EPA 8260D	11-22-21	11-23-21	
1,1-Dichloroethene	ND	0.00091	EPA 8260D	11-22-21	11-23-21	
Acetone	1.0	0.0091	EPA 8260D	11-22-21	11-23-21	Ε
lodomethane	ND	0.0046	EPA 8260D	11-22-21	11-23-21	
Carbon Disulfide	ND	0.00091	EPA 8260D	11-22-21	11-23-21	
Methylene Chloride	ND	0.0046	EPA 8260D	11-22-21	11-23-21	
(trans) 1,2-Dichloroethene	ND	0.00091	EPA 8260D	11-22-21	11-23-21	
Methyl t-Butyl Ether	ND	0.00091	EPA 8260D	11-22-21	11-23-21	
1,1-Dichloroethane	ND	0.00091	EPA 8260D	11-22-21	11-23-21	
Vinyl Acetate	ND	0.0046	EPA 8260D	11-22-21	11-23-21	
2,2-Dichloropropane	ND	0.00091	EPA 8260D	11-22-21	11-23-21	
(cis) 1,2-Dichloroethene	ND	0.00091	EPA 8260D	11-22-21	11-23-21	
2-Butanone	0.060	0.0046	EPA 8260D	11-22-21	11-23-21	
Bromochloromethane	ND	0.00091	EPA 8260D	11-22-21	11-23-21	
Chloroform	ND	0.00091	EPA 8260D	11-22-21	11-23-21	
1,1,1-Trichloroethane	ND	0.00091	EPA 8260D	11-22-21	11-23-21	
Carbon Tetrachloride	ND	0.00091	EPA 8260D	11-22-21	11-23-21	
1,1-Dichloropropene	ND	0.00091	EPA 8260D	11-22-21	11-23-21	
Benzene	ND	0.00091	EPA 8260D	11-22-21	11-23-21	
1,2-Dichloroethane	ND	0.00091	EPA 8260D	11-22-21	11-23-21	
Trichloroethene	ND	0.00091	EPA 8260D	11-22-21	11-23-21	
1,2-Dichloropropane	ND	0.00091	EPA 8260D	11-22-21	11-23-21	
Dibromomethane	ND	0.00091	EPA 8260D	11-22-21	11-23-21	
Bromodichloromethane	ND	0.00091	EPA 8260D	11-22-21	11-23-21	
2-Chloroethyl Vinyl Ether	ND	0.0046	EPA 8260D	11-22-21	11-23-21	
(cis) 1,3-Dichloropropene	ND	0.00091	EPA 8260D	11-22-21	11-23-21	
Methyl Isobutyl Ketone	ND	0.0046	EPA 8260D	11-22-21	11-23-21	
Toluene	ND	0.0046	EPA 8260D	11-22-21	11-23-21	
(trans) 1,3-Dichloropropene	. ND	0.00091	EPA 8260D	11-22-21	11-23-21	

Laboratory Reference: 2111-217

Project: 060172

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				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	CB-03-26-111821					
Laboratory ID:	11-217-13					
1,1,2-Trichloroethane	ND	0.00091	EPA 8260D	11-22-21	11-23-21	
Tetrachloroethene	ND	0.00091	EPA 8260D	11-22-21	11-23-21	
1,3-Dichloropropane	ND	0.00091	EPA 8260D	11-22-21	11-23-21	
2-Hexanone	ND	0.0046	EPA 8260D	11-22-21	11-23-21	
Dibromochloromethane	ND	0.00091	EPA 8260D	11-22-21	11-23-21	
1,2-Dibromoethane	ND	0.00091	EPA 8260D	11-22-21	11-23-21	
Chlorobenzene	ND	0.00091	EPA 8260D	11-22-21	11-23-21	
1,1,1,2-Tetrachloroethane	ND	0.00091	EPA 8260D	11-22-21	11-23-21	
Ethylbenzene	ND	0.00091	EPA 8260D	11-22-21	11-23-21	
m,p-Xylene	ND	0.0018	EPA 8260D	11-22-21	11-23-21	
o-Xylene	ND	0.00091	EPA 8260D	11-22-21	11-23-21	
Styrene	ND	0.00091	EPA 8260D	11-22-21	11-23-21	
Bromoform	ND	0.0046	EPA 8260D	11-22-21	11-23-21	
lsopropylbenzene	ND	0.00091	EPA 8260D	11-22-21	11-23-21	
Bromobenzene	ND	0.00091	EPA 8260D	11-22-21	11-23-21	
1,1,2,2-Tetrachloroethane	ND	0.00091	EPA 8260D	11-22-21	11-23-21	
1,2,3-Trichloropropane	ND	0.00091	EPA 8260D	11-22-21	11-23-21	
n-Propylbenzene	ND	0.00091	EPA 8260D	11-22-21	11-23-21	
2-Chlorotoluene	ND	0.00091	EPA 8260D	11-22-21	11-23-21	
4-Chlorotoluene	ND	0.00091	EPA 8260D	11-22-21	11-23-21	
1,3,5-Trimethylbenzene	ND	0.00091	EPA 8260D	11-22-21	11-23-21	
tert-Butylbenzene	ND	0.00091	EPA 8260D	11-22-21	11-23-21	
1,2,4-Trimethylbenzene	ND	0.00091	EPA 8260D	11-22-21	11-23-21	
sec-Butylbenzene	ND	0.00091	EPA 8260D	11-22-21	11-23-21	
1,3-Dichlorobenzene	ND	0.00091	EPA 8260D	11-22-21	11-23-21	
p-Isopropyltoluene	ND	0.00091	EPA 8260D	11-22-21	11-23-21	
1,4-Dichlorobenzene	ND	0.00091	EPA 8260D	11-22-21	11-23-21	
1,2-Dichlorobenzene	ND	0.00091	EPA 8260D	11-22-21	11-23-21	
n-Butylbenzene	ND	0.00091	EPA 8260D	11-22-21	11-23-21	
1,2-Dibromo-3-chloropropane	e ND	0.0046	EPA 8260D	11-22-21	11-23-21	
1,2,4-Trichlorobenzene	ND	0.00091	EPA 8260D	11-22-21	11-23-21	
Hexachlorobutadiene	ND	0.0046	EPA 8260D	11-22-21	11-23-21	
Naphthalene	ND	0.0046	EPA 8260D	11-22-21	11-23-21	
1,2,3-Trichlorobenzene	ND	0.00091	EPA 8260D	11-22-21	11-23-21	
Surrogate:	Percent Recovery	Control Limits				
Dibromofluoromethane	99	74-131				

Dibromofluoromethane 99 74-131
Toluene-d8 103 78-128
4-Bromofluorobenzene 104 71-130



Laboratory Reference: 2111-217

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				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	CB-02-8-111821					
Laboratory ID:	11-217-14					
Dichlorodifluoromethane	ND	0.0020	EPA 8260D	11-22-21	11-23-21	
Chloromethane	ND	0.0073	EPA 8260D	11-22-21	11-23-21	
Vinyl Chloride	ND	0.0011	EPA 8260D	11-22-21	11-23-21	
Bromomethane	ND	0.0056	EPA 8260D	11-22-21	11-23-21	
Chloroethane	ND	0.0056	EPA 8260D	11-22-21	11-23-21	
Trichlorofluoromethane	ND	0.0011	EPA 8260D	11-22-21	11-23-21	
1,1-Dichloroethene	ND	0.0011	EPA 8260D	11-22-21	11-23-21	
Acetone	0.24	0.011	EPA 8260D	11-22-21	11-23-21	
Iodomethane	ND	0.0056	EPA 8260D	11-22-21	11-23-21	
Carbon Disulfide	ND	0.0011	EPA 8260D	11-22-21	11-23-21	
Methylene Chloride	ND	0.0056	EPA 8260D	11-22-21	11-23-21	
(trans) 1,2-Dichloroethene	ND	0.0011	EPA 8260D	11-22-21	11-23-21	
Methyl t-Butyl Ether	ND	0.0011	EPA 8260D	11-22-21	11-23-21	
1,1-Dichloroethane	ND	0.0011	EPA 8260D	11-22-21	11-23-21	
Vinyl Acetate	ND	0.0056	EPA 8260D	11-22-21	11-23-21	
2,2-Dichloropropane	ND	0.0011	EPA 8260D	11-22-21	11-23-21	
(cis) 1,2-Dichloroethene	ND	0.0011	EPA 8260D	11-22-21	11-23-21	
2-Butanone	0.026	0.0056	EPA 8260D	11-22-21	11-23-21	
Bromochloromethane	ND	0.0011	EPA 8260D	11-22-21	11-23-21	
Chloroform	ND	0.0011	EPA 8260D	11-22-21	11-23-21	
1,1,1-Trichloroethane	ND	0.0011	EPA 8260D	11-22-21	11-23-21	
Carbon Tetrachloride	ND	0.0011	EPA 8260D	11-22-21	11-23-21	
1,1-Dichloropropene	ND	0.0011	EPA 8260D	11-22-21	11-23-21	
Benzene	ND	0.0011	EPA 8260D	11-22-21	11-23-21	
1,2-Dichloroethane	ND	0.0011	EPA 8260D	11-22-21	11-23-21	
Trichloroethene	ND	0.0011	EPA 8260D	11-22-21	11-23-21	
1,2-Dichloropropane	ND	0.0011	EPA 8260D	11-22-21	11-23-21	
Dibromomethane	ND	0.0011	EPA 8260D	11-22-21	11-23-21	
Bromodichloromethane	ND	0.0011	EPA 8260D	11-22-21	11-23-21	
2-Chloroethyl Vinyl Ether	ND	0.0056	EPA 8260D	11-22-21	11-23-21	
(cis) 1,3-Dichloropropene	ND	0.0011	EPA 8260D	11-22-21	11-23-21	
Methyl Isobutyl Ketone	ND	0.0056	EPA 8260D	11-22-21	11-23-21	
Toluene	ND	0.0056	EPA 8260D	11-22-21	11-23-21	
(trans) 1,3-Dichloropropene	ND	0.0011	EPA 8260D	11-22-21	11-23-21	

Laboratory Reference: 2111-217

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				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	CB-02-8-111821					
Laboratory ID:	11-217-14					
1,1,2-Trichloroethane	ND	0.0011	EPA 8260D	11-22-21	11-23-21	
Tetrachloroethene	ND	0.0011	EPA 8260D	11-22-21	11-23-21	
1,3-Dichloropropane	ND	0.0011	EPA 8260D	11-22-21	11-23-21	
2-Hexanone	ND	0.0056	EPA 8260D	11-22-21	11-23-21	
Dibromochloromethane	ND	0.0011	EPA 8260D	11-22-21	11-23-21	
1,2-Dibromoethane	ND	0.0011	EPA 8260D	11-22-21	11-23-21	
Chlorobenzene	ND	0.0011	EPA 8260D	11-22-21	11-23-21	
1,1,1,2-Tetrachloroethane	ND	0.0011	EPA 8260D	11-22-21	11-23-21	
Ethylbenzene	ND	0.0011	EPA 8260D	11-22-21	11-23-21	
m,p-Xylene	ND	0.0022	EPA 8260D	11-22-21	11-23-21	
o-Xylene	ND	0.0011	EPA 8260D	11-22-21	11-23-21	
Styrene	ND	0.0011	EPA 8260D	11-22-21	11-23-21	
Bromoform	ND	0.0056	EPA 8260D	11-22-21	11-23-21	
Isopropylbenzene	ND	0.0011	EPA 8260D	11-22-21	11-23-21	
Bromobenzene	ND	0.0011	EPA 8260D	11-22-21	11-23-21	
1,1,2,2-Tetrachloroethane	ND	0.0011	EPA 8260D	11-22-21	11-23-21	
1,2,3-Trichloropropane	ND	0.0011	EPA 8260D	11-22-21	11-23-21	
n-Propylbenzene	ND	0.0011	EPA 8260D	11-22-21	11-23-21	
2-Chlorotoluene	ND	0.0011	EPA 8260D	11-22-21	11-23-21	
4-Chlorotoluene	ND	0.0011	EPA 8260D	11-22-21	11-23-21	
1,3,5-Trimethylbenzene	ND	0.0011	EPA 8260D	11-22-21	11-23-21	
tert-Butylbenzene	ND	0.0011	EPA 8260D	11-22-21	11-23-21	
1,2,4-Trimethylbenzene	ND	0.0011	EPA 8260D	11-22-21	11-23-21	
sec-Butylbenzene	ND	0.0011	EPA 8260D	11-22-21	11-23-21	
1,3-Dichlorobenzene	ND	0.0011	EPA 8260D	11-22-21	11-23-21	
p-Isopropyltoluene	ND	0.0011	EPA 8260D	11-22-21	11-23-21	
1,4-Dichlorobenzene	ND	0.0011	EPA 8260D	11-22-21	11-23-21	
1,2-Dichlorobenzene	ND	0.0011	EPA 8260D	11-22-21	11-23-21	
n-Butylbenzene	ND	0.0011	EPA 8260D	11-22-21	11-23-21	
1,2-Dibromo-3-chloropropane		0.0056	EPA 8260D	11-22-21	11-23-21	
1,2,4-Trichlorobenzene	ND	0.0011	EPA 8260D	11-22-21	11-23-21	
Hexachlorobutadiene	ND	0.0056	EPA 8260D	11-22-21	11-23-21	
Naphthalene	ND	0.0056	EPA 8260D	11-22-21	11-23-21	
1,2,3-Trichlorobenzene	ND	0.0011	EPA 8260D	11-22-21	11-23-21	
Surrogate:	Percent Recovery	Control Limits				
Dibromofluoromethane	100	74-131				
Toluene-d8	102	78-128 71 130				
4-Bromofluorobenzene	101	71-130				

Laboratory Reference: 2111-217

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				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	CB-02-13-111821					
Laboratory ID:	11-217-15					
Dichlorodifluoromethane	ND	0.0018	EPA 8260D	11-22-21	11-23-21	
Chloromethane	ND	0.0066	EPA 8260D	11-22-21	11-23-21	
Vinyl Chloride	ND	0.0010	EPA 8260D	11-22-21	11-23-21	
Bromomethane	ND	0.0051	EPA 8260D	11-22-21	11-23-21	
Chloroethane	ND	0.0051	EPA 8260D	11-22-21	11-23-21	
Trichlorofluoromethane	ND	0.0010	EPA 8260D	11-22-21	11-23-21	
1,1-Dichloroethene	ND	0.0010	EPA 8260D	11-22-21	11-23-21	
Acetone	0.42	0.010	EPA 8260D	11-22-21	11-23-21	
lodomethane	ND	0.0051	EPA 8260D	11-22-21	11-23-21	
Carbon Disulfide	ND	0.0010	EPA 8260D	11-22-21	11-23-21	
Methylene Chloride	ND	0.0051	EPA 8260D	11-22-21	11-23-21	
(trans) 1,2-Dichloroethene	ND	0.0010	EPA 8260D	11-22-21	11-23-21	
Methyl t-Butyl Ether	ND	0.0010	EPA 8260D	11-22-21	11-23-21	
1,1-Dichloroethane	ND	0.0010	EPA 8260D	11-22-21	11-23-21	
Vinyl Acetate	ND	0.0051	EPA 8260D	11-22-21	11-23-21	
2,2-Dichloropropane	ND	0.0010	EPA 8260D	11-22-21	11-23-21	
(cis) 1,2-Dichloroethene	ND	0.0010	EPA 8260D	11-22-21	11-23-21	
2-Butanone	0.048	0.0051	EPA 8260D	11-22-21	11-23-21	
Bromochloromethane	ND	0.0010	EPA 8260D	11-22-21	11-23-21	
Chloroform	ND	0.0010	EPA 8260D	11-22-21	11-23-21	
1,1,1-Trichloroethane	ND	0.0010	EPA 8260D	11-22-21	11-23-21	
Carbon Tetrachloride	ND	0.0010	EPA 8260D	11-22-21	11-23-21	
1,1-Dichloropropene	ND	0.0010	EPA 8260D	11-22-21	11-23-21	
Benzene	ND	0.0010	EPA 8260D	11-22-21	11-23-21	
1,2-Dichloroethane	ND	0.0010	EPA 8260D	11-22-21	11-23-21	
Trichloroethene	ND	0.0010	EPA 8260D	11-22-21	11-23-21	
1,2-Dichloropropane	ND	0.0010	EPA 8260D	11-22-21	11-23-21	
Dibromomethane	ND	0.0010	EPA 8260D	11-22-21	11-23-21	
Bromodichloromethane	ND	0.0010	EPA 8260D	11-22-21	11-23-21	
2-Chloroethyl Vinyl Ether	ND	0.0051	EPA 8260D	11-22-21	11-23-21	
(cis) 1,3-Dichloropropene	ND	0.0010	EPA 8260D	11-22-21	11-23-21	
Methyl Isobutyl Ketone	ND	0.0051	EPA 8260D	11-22-21	11-23-21	
Toluene	ND	0.0051	EPA 8260D	11-22-21	11-23-21	
(trans) 1,3-Dichloropropene	e ND	0.0010	EPA 8260D	11-22-21	11-23-21	

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				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	CB-02-13-111821					
Laboratory ID:	11-217-15					
1,1,2-Trichloroethane	ND	0.0010	EPA 8260D	11-22-21	11-23-21	
Tetrachloroethene	0.0070	0.0010	EPA 8260D	11-22-21	11-23-21	
1,3-Dichloropropane	ND	0.0010	EPA 8260D	11-22-21	11-23-21	
2-Hexanone	ND	0.0051	EPA 8260D	11-22-21	11-23-21	
Dibromochloromethane	ND	0.0010	EPA 8260D	11-22-21	11-23-21	
1,2-Dibromoethane	ND	0.0010	EPA 8260D	11-22-21	11-23-21	
Chlorobenzene	ND	0.0010	EPA 8260D	11-22-21	11-23-21	
1,1,1,2-Tetrachloroethane	ND	0.0010	EPA 8260D	11-22-21	11-23-21	
Ethylbenzene	ND	0.0010	EPA 8260D	11-22-21	11-23-21	
m,p-Xylene	ND	0.0020	EPA 8260D	11-22-21	11-23-21	
o-Xylene	ND	0.0010	EPA 8260D	11-22-21	11-23-21	
Styrene	ND	0.0010	EPA 8260D	11-22-21	11-23-21	
Bromoform	ND	0.0051	EPA 8260D	11-22-21	11-23-21	
Isopropylbenzene	ND	0.0010	EPA 8260D	11-22-21	11-23-21	
Bromobenzene	ND	0.0010	EPA 8260D	11-22-21	11-23-21	
1,1,2,2-Tetrachloroethane	ND	0.0010	EPA 8260D	11-22-21	11-23-21	
1,2,3-Trichloropropane	ND	0.0010	EPA 8260D	11-22-21	11-23-21	
n-Propylbenzene	ND	0.0010	EPA 8260D	11-22-21	11-23-21	
2-Chlorotoluene	ND	0.0010	EPA 8260D	11-22-21	11-23-21	
4-Chlorotoluene	ND	0.0010	EPA 8260D	11-22-21	11-23-21	
1,3,5-Trimethylbenzene	ND	0.0010	EPA 8260D	11-22-21	11-23-21	
tert-Butylbenzene	ND	0.0010	EPA 8260D	11-22-21	11-23-21	
1,2,4-Trimethylbenzene	ND	0.0010	EPA 8260D	11-22-21	11-23-21	
sec-Butylbenzene	ND	0.0010	EPA 8260D	11-22-21	11-23-21	
1,3-Dichlorobenzene	ND	0.0010	EPA 8260D	11-22-21	11-23-21	
p-Isopropyltoluene	ND	0.0010	EPA 8260D	11-22-21	11-23-21	
1,4-Dichlorobenzene	ND	0.0010	EPA 8260D	11-22-21	11-23-21	
1,2-Dichlorobenzene	ND	0.0010	EPA 8260D	11-22-21	11-23-21	
n-Butylbenzene	ND	0.0010	EPA 8260D	11-22-21	11-23-21	
1,2-Dibromo-3-chloropropane		0.0051	EPA 8260D	11-22-21	11-23-21	
1,2,4-Trichlorobenzene	ND	0.0010	EPA 8260D	11-22-21	11-23-21	
Hexachlorobutadiene	ND	0.0051	EPA 8260D	11-22-21	11-23-21	
Naphthalene	ND	0.0051	EPA 8260D	11-22-21	11-23-21	
·	ND	0.0031	EPA 8260D			
1,2,3-Trichlorobenzene			EFA 0200D	11-22-21	11-23-21	
Surrogate:	Percent Recovery	Control Limits				
Dibromofluoromethane	100	74-131				
Toluene-d8	101	78-128				

4-Bromofluorobenzene

71-130

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Office. Hig/Ng				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	CB-02-21-111821					
Laboratory ID:	11-217-16					
Dichlorodifluoromethane	ND	0.0016	EPA 8260D	11-22-21	11-22-21	
Chloromethane	ND	0.0050	EPA 8260D	11-22-21	11-22-21	
Vinyl Chloride	ND	0.00099	EPA 8260D	11-22-21	11-22-21	
Bromomethane	ND	0.0050	EPA 8260D	11-22-21	11-22-21	
Chloroethane	ND	0.0050	EPA 8260D	11-22-21	11-22-21	
Trichlorofluoromethane	ND	0.00099	EPA 8260D	11-22-21	11-22-21	
1,1-Dichloroethene	ND	0.00099	EPA 8260D	11-22-21	11-22-21	
Acetone	0.29	0.0099	EPA 8260D	11-22-21	11-22-21	
lodomethane	ND	0.0050	EPA 8260D	11-22-21	11-22-21	
Carbon Disulfide	ND	0.00099	EPA 8260D	11-22-21	11-22-21	
Methylene Chloride	ND	0.0050	EPA 8260D	11-22-21	11-22-21	
(trans) 1,2-Dichloroethene	ND	0.00099	EPA 8260D	11-22-21	11-22-21	
Methyl t-Butyl Ether	ND	0.00099	EPA 8260D	11-22-21	11-22-21	
1,1-Dichloroethane	ND	0.00099	EPA 8260D	11-22-21	11-22-21	
Vinyl Acetate	ND	0.0050	EPA 8260D	11-22-21	11-22-21	
2,2-Dichloropropane	ND	0.00099	EPA 8260D	11-22-21	11-22-21	
(cis) 1,2-Dichloroethene	ND	0.00099	EPA 8260D	11-22-21	11-22-21	
2-Butanone	0.029	0.0050	EPA 8260D	11-22-21	11-22-21	
Bromochloromethane	ND	0.00099	EPA 8260D	11-22-21	11-22-21	
Chloroform	ND	0.00099	EPA 8260D	11-22-21	11-22-21	
1,1,1-Trichloroethane	ND	0.00099	EPA 8260D	11-22-21	11-22-21	
Carbon Tetrachloride	ND	0.00099	EPA 8260D	11-22-21	11-22-21	
1,1-Dichloropropene	ND	0.00099	EPA 8260D	11-22-21	11-22-21	
Benzene	ND	0.00099	EPA 8260D	11-22-21	11-22-21	
1,2-Dichloroethane	ND	0.00099	EPA 8260D	11-22-21	11-22-21	
Trichloroethene	ND	0.00099	EPA 8260D	11-22-21	11-22-21	
1,2-Dichloropropane	ND	0.00099	EPA 8260D	11-22-21	11-22-21	
Dibromomethane	ND	0.00099	EPA 8260D	11-22-21	11-22-21	
Bromodichloromethane	ND	0.00099	EPA 8260D	11-22-21	11-22-21	
2-Chloroethyl Vinyl Ether	ND	0.0073	EPA 8260D	11-22-21	11-22-21	
(cis) 1,3-Dichloropropene	ND	0.00099	EPA 8260D	11-22-21	11-22-21	
Methyl Isobutyl Ketone	ND	0.0050	EPA 8260D	11-22-21	11-22-21	
Toluene	ND	0.0050	EPA 8260D	11-22-21	11-22-21	
(trans) 1,3-Dichloropropene	ND	0.00099	EPA 8260D	11-22-21	11-22-21	
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Laboratory Reference: 2111-217

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				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	CB-02-21-111821					
Laboratory ID:	11-217-16					
1,1,2-Trichloroethane	ND	0.00099	EPA 8260D	11-22-21	11-22-21	
Tetrachloroethene	0.016	0.00099	EPA 8260D	11-22-21	11-22-21	
1,3-Dichloropropane	ND	0.00099	EPA 8260D	11-22-21	11-22-21	
2-Hexanone	ND	0.0050	EPA 8260D	11-22-21	11-22-21	
Dibromochloromethane	ND	0.00099	EPA 8260D	11-22-21	11-22-21	
1,2-Dibromoethane	ND	0.00099	EPA 8260D	11-22-21	11-22-21	
Chlorobenzene	ND	0.00099	EPA 8260D	11-22-21	11-22-21	
1,1,1,2-Tetrachloroethane	ND	0.00099	EPA 8260D	11-22-21	11-22-21	
Ethylbenzene	ND	0.00099	EPA 8260D	11-22-21	11-22-21	
m,p-Xylene	ND	0.0020	EPA 8260D	11-22-21	11-22-21	
o-Xylene	ND	0.00099	EPA 8260D	11-22-21	11-22-21	
Styrene	ND	0.00099	EPA 8260D	11-22-21	11-22-21	
Bromoform	ND	0.0050	EPA 8260D	11-22-21	11-22-21	
Isopropylbenzene	ND	0.00099	EPA 8260D	11-22-21	11-22-21	
Bromobenzene	ND	0.063	EPA 8260D	11-23-21	11-23-21	
1,1,2,2-Tetrachloroethane	ND	0.088	EPA 8260D	11-23-21	11-23-21	
1,2,3-Trichloropropane	ND	0.095	EPA 8260D	11-23-21	11-23-21	
n-Propylbenzene	ND	0.063	EPA 8260D	11-23-21	11-23-21	
2-Chlorotoluene	ND	0.063	EPA 8260D	11-23-21	11-23-21	
4-Chlorotoluene	ND	0.063	EPA 8260D	11-23-21	11-23-21	
1,3,5-Trimethylbenzene	ND	0.063	EPA 8260D	11-23-21	11-23-21	
tert-Butylbenzene	ND	0.063	EPA 8260D	11-23-21	11-23-21	
1,2,4-Trimethylbenzene	ND	0.063	EPA 8260D	11-23-21	11-23-21	
sec-Butylbenzene	ND	0.063	EPA 8260D	11-23-21	11-23-21	
1,3-Dichlorobenzene	ND	0.063	EPA 8260D	11-23-21	11-23-21	
p-Isopropyltoluene	ND	0.063	EPA 8260D	11-23-21	11-23-21	
1,4-Dichlorobenzene	ND	0.063	EPA 8260D	11-23-21	11-23-21	
1,2-Dichlorobenzene	ND	0.063	EPA 8260D	11-23-21	11-23-21	
n-Butylbenzene	ND	0.063	EPA 8260D	11-23-21	11-23-21	
1,2-Dibromo-3-chloropropane	e ND	0.42	EPA 8260D	11-23-21	11-23-21	
1,2,4-Trichlorobenzene	ND	0.063	EPA 8260D	11-23-21	11-23-21	
Hexachlorobutadiene	ND	0.32	EPA 8260D	11-23-21	11-23-21	
Naphthalene	ND	0.40	EPA 8260D	11-23-21	11-23-21	
1,2,3-Trichlorobenzene	ND -	0.063	EPA 8260D	11-23-21	11-23-21	
Surrogate:	Percent Recovery	Control Limits				
Dibromofluoromethane	103	74-131				
Toluene-d8	90	78-128				
4-Bromofluorobenzene	76	71-130				

Laboratory Reference: 2111-217

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				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	CB-02-22-111821					
Laboratory ID:	11-217-17					
Dichlorodifluoromethane	ND	0.0013	EPA 8260D	11-22-21	11-22-21	
Chloromethane	ND	0.0040	EPA 8260D	11-22-21	11-22-21	
Vinyl Chloride	ND	0.00080	EPA 8260D	11-22-21	11-22-21	
Bromomethane	ND	0.0040	EPA 8260D	11-22-21	11-22-21	
Chloroethane	ND	0.0040	EPA 8260D	11-22-21	11-22-21	
Trichlorofluoromethane	ND	0.00080	EPA 8260D	11-22-21	11-22-21	
1,1-Dichloroethene	ND	0.00080	EPA 8260D	11-22-21	11-22-21	
Acetone	0.99	0.0080	EPA 8260D	11-22-21	11-22-21	E
lodomethane	ND	0.0040	EPA 8260D	11-22-21	11-22-21	
Carbon Disulfide	ND	0.00080	EPA 8260D	11-22-21	11-22-21	
Methylene Chloride	ND	0.0040	EPA 8260D	11-22-21	11-22-21	
(trans) 1,2-Dichloroethene	ND	0.00080	EPA 8260D	11-22-21	11-22-21	
Methyl t-Butyl Ether	ND	0.00080	EPA 8260D	11-22-21	11-22-21	
1,1-Dichloroethane	ND	0.00080	EPA 8260D	11-22-21	11-22-21	
Vinyl Acetate	ND	0.0040	EPA 8260D	11-22-21	11-22-21	
2,2-Dichloropropane	ND	0.00080	EPA 8260D	11-22-21	11-22-21	
(cis) 1,2-Dichloroethene	ND	0.00080	EPA 8260D	11-22-21	11-22-21	
2-Butanone	0.14	0.0040	EPA 8260D	11-22-21	11-22-21	
Bromochloromethane	ND	0.00080	EPA 8260D	11-22-21	11-22-21	
Chloroform	ND	0.00080	EPA 8260D	11-22-21	11-22-21	
1,1,1-Trichloroethane	ND	0.00080	EPA 8260D	11-22-21	11-22-21	
Carbon Tetrachloride	ND	0.00080	EPA 8260D	11-22-21	11-22-21	
1,1-Dichloropropene	ND	0.00080	EPA 8260D	11-22-21	11-22-21	
Benzene	ND	0.00080	EPA 8260D	11-22-21	11-22-21	
1,2-Dichloroethane	ND	0.00080	EPA 8260D	11-22-21	11-22-21	
Trichloroethene	ND	0.00080	EPA 8260D	11-22-21	11-22-21	
1,2-Dichloropropane	ND	0.00080	EPA 8260D	11-22-21	11-22-21	
Dibromomethane	ND	0.00080	EPA 8260D	11-22-21	11-22-21	
Bromodichloromethane	ND	0.00080	EPA 8260D	11-22-21	11-22-21	
2-Chloroethyl Vinyl Ether	ND	0.0059	EPA 8260D	11-22-21	11-22-21	
(cis) 1,3-Dichloropropene	ND	0.00080	EPA 8260D	11-22-21	11-22-21	
Methyl Isobutyl Ketone	ND	0.0040	EPA 8260D	11-22-21	11-22-21	
Toluene	ND	0.0040	EPA 8260D	11-22-21	11-22-21	
(trans) 1,3-Dichloropropene	. ND	0.00080	EPA 8260D	11-22-21	11-22-21	

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				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
	CB-02-22-111821					
Laboratory ID:	11-217-17					
1,1,2-Trichloroethane	ND	0.00080	EPA 8260D	11-22-21	11-22-21	
Tetrachloroethene	ND	0.00080	EPA 8260D	11-22-21	11-22-21	
1,3-Dichloropropane	ND	0.00080	EPA 8260D	11-22-21	11-22-21	
2-Hexanone	ND	0.0040	EPA 8260D	11-22-21	11-22-21	
Dibromochloromethane	ND	0.00080	EPA 8260D	11-22-21	11-22-21	
1,2-Dibromoethane	ND	0.00080	EPA 8260D	11-22-21	11-22-21	
Chlorobenzene	ND	0.00080	EPA 8260D	11-22-21	11-22-21	
1,1,1,2-Tetrachloroethane	ND	0.00080	EPA 8260D	11-22-21	11-22-21	
Ethylbenzene	ND	0.00080	EPA 8260D	11-22-21	11-22-21	
m,p-Xylene	ND	0.0016	EPA 8260D	11-22-21	11-22-21	
o-Xylene	ND	0.00080	EPA 8260D	11-22-21	11-22-21	
Styrene	ND	0.00080	EPA 8260D	11-22-21	11-22-21	
Bromoform	ND	0.0040	EPA 8260D	11-22-21	11-22-21	
Isopropylbenzene	ND	0.00080	EPA 8260D	11-22-21	11-22-21	
Bromobenzene	ND	0.00080	EPA 8260D	11-22-21	11-22-21	
1,1,2,2-Tetrachloroethane	ND	0.00080	EPA 8260D	11-22-21	11-22-21	
1,2,3-Trichloropropane	ND	0.00080	EPA 8260D	11-22-21	11-22-21	
n-Propylbenzene	ND	0.00080	EPA 8260D	11-22-21	11-22-21	
2-Chlorotoluene	ND	0.00080	EPA 8260D	11-22-21	11-22-21	
4-Chlorotoluene	ND	0.00080	EPA 8260D	11-22-21	11-22-21	
1,3,5-Trimethylbenzene	ND	0.00080	EPA 8260D	11-22-21	11-22-21	
tert-Butylbenzene	ND	0.00080	EPA 8260D	11-22-21	11-22-21	
1,2,4-Trimethylbenzene	ND	0.00080	EPA 8260D	11-22-21	11-22-21	
sec-Butylbenzene	ND	0.00080	EPA 8260D	11-22-21	11-22-21	
1,3-Dichlorobenzene	ND	0.00080	EPA 8260D	11-22-21	11-22-21	
p-Isopropyltoluene	ND	0.00080	EPA 8260D	11-22-21	11-22-21	
1,4-Dichlorobenzene	ND	0.00080	EPA 8260D	11-22-21	11-22-21	
1,2-Dichlorobenzene	ND	0.00080	EPA 8260D	11-22-21	11-22-21	
n-Butylbenzene	ND	0.00080	EPA 8260D	11-22-21	11-22-21	
1,2-Dibromo-3-chloropropane		0.0040	EPA 8260D	11-22-21	11-22-21	
1,2,4-Trichlorobenzene	ND	0.00080	EPA 8260D	11-22-21	11-22-21	
Hexachlorobutadiene	ND	0.0040	EPA 8260D	11-22-21	11-22-21	
Naphthalene	ND	0.0040	EPA 8260D	11-22-21	11-22-21	
1,2,3-Trichlorobenzene	ND	0.00080	EPA 8260D	11-22-21	11-22-21	
Surrogate:	Percent Recovery	Control Limits				
Dibromofluoromethane	104	74-131				
Toluene-d8	95	78-128				



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				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	CB-01-7-111821					
Laboratory ID:	11-217-18					
Dichlorodifluoromethane	ND	0.0014	EPA 8260D	11-22-21	11-22-21	
Chloromethane	ND	0.0044	EPA 8260D	11-22-21	11-22-21	
Vinyl Chloride	ND	0.00088	EPA 8260D	11-22-21	11-22-21	
Bromomethane	ND	0.0044	EPA 8260D	11-22-21	11-22-21	
Chloroethane	ND	0.0044	EPA 8260D	11-22-21	11-22-21	
Trichlorofluoromethane	ND	0.00088	EPA 8260D	11-22-21	11-22-21	
1,1-Dichloroethene	ND	0.00088	EPA 8260D	11-22-21	11-22-21	
Acetone	ND	0.0088	EPA 8260D	11-22-21	11-22-21	
lodomethane	ND	0.0044	EPA 8260D	11-22-21	11-22-21	
Carbon Disulfide	ND	0.00088	EPA 8260D	11-22-21	11-22-21	
Methylene Chloride	ND	0.0044	EPA 8260D	11-22-21	11-22-21	
(trans) 1,2-Dichloroethene	ND	0.00088	EPA 8260D	11-22-21	11-22-21	
Methyl t-Butyl Ether	ND	0.00088	EPA 8260D	11-22-21	11-22-21	
1,1-Dichloroethane	ND	0.00088	EPA 8260D	11-22-21	11-22-21	
Vinyl Acetate	ND	0.0044	EPA 8260D	11-22-21	11-22-21	
2,2-Dichloropropane	ND	0.00088	EPA 8260D	11-22-21	11-22-21	
(cis) 1,2-Dichloroethene	ND	0.00088	EPA 8260D	11-22-21	11-22-21	
2-Butanone	ND	0.0044	EPA 8260D	11-22-21	11-22-21	
Bromochloromethane	ND	0.00088	EPA 8260D	11-22-21	11-22-21	
Chloroform	ND	0.00088	EPA 8260D	11-22-21	11-22-21	
1,1,1-Trichloroethane	ND	0.00088	EPA 8260D	11-22-21	11-22-21	
Carbon Tetrachloride	ND	0.00088	EPA 8260D	11-22-21	11-22-21	
1,1-Dichloropropene	ND	0.00088	EPA 8260D	11-22-21	11-22-21	
Benzene	ND	0.00088	EPA 8260D	11-22-21	11-22-21	
1,2-Dichloroethane	ND	0.00088	EPA 8260D	11-22-21	11-22-21	
Trichloroethene	ND	0.00088	EPA 8260D	11-22-21	11-22-21	
1,2-Dichloropropane	ND	0.00088	EPA 8260D	11-22-21	11-22-21	
Dibromomethane	ND	0.00088	EPA 8260D	11-22-21	11-22-21	
Bromodichloromethane	ND	0.00088	EPA 8260D	11-22-21	11-22-21	
2-Chloroethyl Vinyl Ether	ND	0.0065	EPA 8260D	11-22-21	11-22-21	
(cis) 1,3-Dichloropropene	ND	0.00088	EPA 8260D	11-22-21	11-22-21	
Methyl Isobutyl Ketone	ND	0.0044	EPA 8260D	11-22-21	11-22-21	
Toluene	ND	0.0044	EPA 8260D	11-22-21	11-22-21	
(trans) 1,3-Dichloropropene	ND	0.00088	EPA 8260D	11-22-21	11-22-21	

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				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	CB-01-7-111821					
Laboratory ID:	11-217-18					
1,1,2-Trichloroethane	ND	0.00088	EPA 8260D	11-22-21	11-22-21	
Tetrachloroethene	0.0040	0.00088	EPA 8260D	11-22-21	11-22-21	
1,3-Dichloropropane	ND	0.00088	EPA 8260D	11-22-21	11-22-21	
2-Hexanone	ND	0.0044	EPA 8260D	11-22-21	11-22-21	
Dibromochloromethane	ND	0.00088	EPA 8260D	11-22-21	11-22-21	
1,2-Dibromoethane	ND	0.00088	EPA 8260D	11-22-21	11-22-21	
Chlorobenzene	ND	0.00088	EPA 8260D	11-22-21	11-22-21	
1,1,1,2-Tetrachloroethane	ND	0.00088	EPA 8260D	11-22-21	11-22-21	
Ethylbenzene	ND	0.00088	EPA 8260D	11-22-21	11-22-21	
m,p-Xylene	ND	0.0018	EPA 8260D	11-22-21	11-22-21	
o-Xylene	ND	0.00088	EPA 8260D	11-22-21	11-22-21	
Styrene	ND	0.00088	EPA 8260D	11-22-21	11-22-21	
Bromoform	ND	0.0044	EPA 8260D	11-22-21	11-22-21	
Isopropylbenzene	ND	0.00088	EPA 8260D	11-22-21	11-22-21	
Bromobenzene	ND	0.00088	EPA 8260D	11-22-21	11-22-21	
1,1,2,2-Tetrachloroethane	ND	0.00088	EPA 8260D	11-22-21	11-22-21	
1,2,3-Trichloropropane	ND	0.00088	EPA 8260D	11-22-21	11-22-21	
n-Propylbenzene	ND	0.00088	EPA 8260D	11-22-21	11-22-21	
2-Chlorotoluene	ND	0.00088	EPA 8260D	11-22-21	11-22-21	
4-Chlorotoluene	ND	0.00088	EPA 8260D	11-22-21	11-22-21	
1,3,5-Trimethylbenzene	ND	0.00088	EPA 8260D	11-22-21	11-22-21	
tert-Butylbenzene	ND	0.00088	EPA 8260D	11-22-21	11-22-21	
1,2,4-Trimethylbenzene	ND	0.00088	EPA 8260D	11-22-21	11-22-21	
sec-Butylbenzene	ND	0.00088	EPA 8260D	11-22-21	11-22-21	
1,3-Dichlorobenzene	ND	0.00088	EPA 8260D	11-22-21	11-22-21	
p-Isopropyltoluene	ND	0.00088	EPA 8260D	11-22-21	11-22-21	
1,4-Dichlorobenzene	ND	0.00088	EPA 8260D	11-22-21	11-22-21	
1,2-Dichlorobenzene	ND	0.00088	EPA 8260D	11-22-21	11-22-21	
n-Butylbenzene	ND	0.00088	EPA 8260D	11-22-21	11-22-21	
1,2-Dibromo-3-chloropropane	e ND	0.0044	EPA 8260D	11-22-21	11-22-21	
1,2,4-Trichlorobenzene	ND	0.00088	EPA 8260D	11-22-21	11-22-21	
Hexachlorobutadiene	ND	0.0044	EPA 8260D	11-22-21	11-22-21	
Naphthalene	ND	0.0044	EPA 8260D	11-22-21	11-22-21	
1,2,3-Trichlorobenzene	ND	0.00088	EPA 8260D	11-22-21	11-22-21	
Surrogate:	Percent Recovery	Control Limits				
Dibromofluoromethane	105	74-131				
Toluene-d8	97	78-128				
4-Bromofluorobenzene	95	71-130				

Laboratory Reference: 2111-217

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				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	CB-01-13-111821					
Laboratory ID:	11-217-19					
Dichlorodifluoromethane	ND	0.0030	EPA 8260D	11-22-21	11-22-21	
Chloromethane	ND	0.0095	EPA 8260D	11-22-21	11-22-21	
Vinyl Chloride	ND	0.0019	EPA 8260D	11-22-21	11-22-21	
Bromomethane	ND	0.0095	EPA 8260D	11-22-21	11-22-21	
Chloroethane	ND	0.0095	EPA 8260D	11-22-21	11-22-21	
Trichlorofluoromethane	ND	0.0019	EPA 8260D	11-22-21	11-22-21	
1,1-Dichloroethene	ND	0.0019	EPA 8260D	11-22-21	11-22-21	
Acetone	0.82	0.019	EPA 8260D	11-22-21	11-22-21	
lodomethane	ND	0.0095	EPA 8260D	11-22-21	11-22-21	
Carbon Disulfide	0.0095	0.0019	EPA 8260D	11-22-21	11-22-21	
Methylene Chloride	ND	0.0095	EPA 8260D	11-22-21	11-22-21	
(trans) 1,2-Dichloroethene	ND	0.0019	EPA 8260D	11-22-21	11-22-21	
Methyl t-Butyl Ether	ND	0.0019	EPA 8260D	11-22-21	11-22-21	
1,1-Dichloroethane	ND	0.0019	EPA 8260D	11-22-21	11-22-21	
Vinyl Acetate	ND	0.0095	EPA 8260D	11-22-21	11-22-21	
2,2-Dichloropropane	ND	0.0019	EPA 8260D	11-22-21	11-22-21	
(cis) 1,2-Dichloroethene	ND	0.0019	EPA 8260D	11-22-21	11-22-21	
2-Butanone	0.13	0.0095	EPA 8260D	11-22-21	11-22-21	
Bromochloromethane	ND	0.0019	EPA 8260D	11-22-21	11-22-21	
Chloroform	ND	0.0019	EPA 8260D	11-22-21	11-22-21	
1,1,1-Trichloroethane	ND	0.0019	EPA 8260D	11-22-21	11-22-21	
Carbon Tetrachloride	ND	0.0019	EPA 8260D	11-22-21	11-22-21	
1,1-Dichloropropene	ND	0.0019	EPA 8260D	11-22-21	11-22-21	
Benzene	ND	0.0019	EPA 8260D	11-22-21	11-22-21	
1,2-Dichloroethane	ND	0.0019	EPA 8260D	11-22-21	11-22-21	
Trichloroethene	0.017	0.0019	EPA 8260D	11-22-21	11-22-21	
1,2-Dichloropropane	ND	0.0019	EPA 8260D	11-22-21	11-22-21	
Dibromomethane	ND	0.0019	EPA 8260D	11-22-21	11-22-21	
Bromodichloromethane	ND	0.0019	EPA 8260D	11-22-21	11-22-21	
2-Chloroethyl Vinyl Ether	ND	0.014	EPA 8260D	11-22-21	11-22-21	
(cis) 1,3-Dichloropropene	ND	0.0019	EPA 8260D	11-22-21	11-22-21	
Methyl Isobutyl Ketone	ND	0.0095	EPA 8260D	11-22-21	11-22-21	
Toluene	ND	0.0095	EPA 8260D	11-22-21	11-22-21	
(trans) 1,3-Dichloropropene	e ND	0.0019	EPA 8260D	11-22-21	11-22-21	

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				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	CB-01-13-111821					
Laboratory ID:	11-217-19					
1,1,2-Trichloroethane	ND	0.0019	EPA 8260D	11-22-21	11-22-21	
Tetrachloroethene	0.089	0.0019	EPA 8260D	11-22-21	11-22-21	
1,3-Dichloropropane	ND	0.0019	EPA 8260D	11-22-21	11-22-21	
2-Hexanone	ND	0.0095	EPA 8260D	11-22-21	11-22-21	
Dibromochloromethane	ND	0.0019	EPA 8260D	11-22-21	11-22-21	
1,2-Dibromoethane	ND	0.0019	EPA 8260D	11-22-21	11-22-21	
Chlorobenzene	ND	0.0019	EPA 8260D	11-22-21	11-22-21	
1,1,1,2-Tetrachloroethane	ND	0.0019	EPA 8260D	11-22-21	11-22-21	
Ethylbenzene	ND	0.0019	EPA 8260D	11-22-21	11-22-21	
m,p-Xylene	ND	0.0038	EPA 8260D	11-22-21	11-22-21	
o-Xylene	ND	0.0019	EPA 8260D	11-22-21	11-22-21	
Styrene	ND	0.0019	EPA 8260D	11-22-21	11-22-21	
Bromoform	ND	0.0095	EPA 8260D	11-22-21	11-22-21	
Isopropylbenzene	ND	0.0019	EPA 8260D	11-22-21	11-22-21	
Bromobenzene	ND	0.0019	EPA 8260D	11-22-21	11-22-21	
1,1,2,2-Tetrachloroethane	ND	0.0019	EPA 8260D	11-22-21	11-22-21	
1,2,3-Trichloropropane	ND	0.0019	EPA 8260D	11-22-21	11-22-21	
n-Propylbenzene	ND	0.0019	EPA 8260D	11-22-21	11-22-21	
2-Chlorotoluene	ND	0.0019	EPA 8260D	11-22-21	11-22-21	
4-Chlorotoluene	ND	0.0019	EPA 8260D	11-22-21	11-22-21	
1,3,5-Trimethylbenzene	ND	0.0019	EPA 8260D	11-22-21	11-22-21	
tert-Butylbenzene	ND	0.0019	EPA 8260D	11-22-21	11-22-21	
1,2,4-Trimethylbenzene	ND	0.0019	EPA 8260D	11-22-21	11-22-21	
sec-Butylbenzene	ND	0.0019	EPA 8260D	11-22-21	11-22-21	
1,3-Dichlorobenzene	ND	0.0019	EPA 8260D	11-22-21	11-22-21	
p-Isopropyltoluene	0.0094	0.0019	EPA 8260D	11-22-21	11-22-21	
1,4-Dichlorobenzene	ND	0.0019	EPA 8260D	11-22-21	11-22-21	
1,2-Dichlorobenzene	ND	0.0019	EPA 8260D	11-22-21	11-22-21	
n-Butylbenzene	ND	0.0019	EPA 8260D	11-22-21	11-22-21	
1,2-Dibromo-3-chloropropane		0.0095	EPA 8260D	11-22-21	11-22-21	
1,2,4-Trichlorobenzene	, ND	0.0039	EPA 8260D	11-22-21	11-22-21	
Hexachlorobutadiene	ND	0.0019	EPA 8260D	11-22-21	11-22-21	
	ND ND	0.0095	EPA 8260D	11-22-21	11-22-21	
Naphthalene						
1,2,3-Trichlorobenzene	ND	0.0019	EPA 8260D	11-22-21	11-22-21	
Surrogate:	Percent Recovery	Control Limits				
Dibromofluoromethane	106	74-131				
Toluene-d8	96	78-128				

4-Bromofluorobenzene

71-130

91

Laboratory Reference: 2111-217

Project: 060172

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				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	CB-01-19-111821					
Laboratory ID:	11-217-20					
Dichlorodifluoromethane	ND	0.0021	EPA 8260D	11-22-21	11-22-21	
Chloromethane	ND	0.0064	EPA 8260D	11-22-21	11-22-21	
Vinyl Chloride	ND	0.0013	EPA 8260D	11-22-21	11-22-21	
Bromomethane	ND	0.0064	EPA 8260D	11-22-21	11-22-21	
Chloroethane	ND	0.0064	EPA 8260D	11-22-21	11-22-21	
Trichlorofluoromethane	ND	0.0013	EPA 8260D	11-22-21	11-22-21	
1,1-Dichloroethene	ND	0.0013	EPA 8260D	11-22-21	11-22-21	
Acetone	1.7	0.013	EPA 8260D	11-22-21	11-22-21	E
Iodomethane	ND	0.0064	EPA 8260D	11-22-21	11-22-21	
Carbon Disulfide	0.0076	0.0013	EPA 8260D	11-22-21	11-22-21	
Methylene Chloride	ND	0.0064	EPA 8260D	11-22-21	11-22-21	
(trans) 1,2-Dichloroethene	ND	0.0013	EPA 8260D	11-22-21	11-22-21	
Methyl t-Butyl Ether	ND	0.0013	EPA 8260D	11-22-21	11-22-21	
1,1-Dichloroethane	ND	0.0013	EPA 8260D	11-22-21	11-22-21	
Vinyl Acetate	ND	0.0064	EPA 8260D	11-22-21	11-22-21	
2,2-Dichloropropane	ND	0.0013	EPA 8260D	11-22-21	11-22-21	
(cis) 1,2-Dichloroethene	ND	0.0013	EPA 8260D	11-22-21	11-22-21	
2-Butanone	0.20	0.0064	EPA 8260D	11-22-21	11-22-21	
Bromochloromethane	ND	0.0013	EPA 8260D	11-22-21	11-22-21	
Chloroform	ND	0.0013	EPA 8260D	11-22-21	11-22-21	
1,1,1-Trichloroethane	ND	0.0013	EPA 8260D	11-22-21	11-22-21	
Carbon Tetrachloride	ND	0.0013	EPA 8260D	11-22-21	11-22-21	
1,1-Dichloropropene	ND	0.0013	EPA 8260D	11-22-21	11-22-21	
Benzene	ND	0.0013	EPA 8260D	11-22-21	11-22-21	
1,2-Dichloroethane	ND	0.0013	EPA 8260D	11-22-21	11-22-21	
Trichloroethene	0.0049	0.0013	EPA 8260D	11-22-21	11-22-21	
1,2-Dichloropropane	ND	0.0013	EPA 8260D	11-22-21	11-22-21	
Dibromomethane	ND	0.0013	EPA 8260D	11-22-21	11-22-21	
Bromodichloromethane	ND	0.0013	EPA 8260D	11-22-21	11-22-21	
2-Chloroethyl Vinyl Ether	ND	0.0095	EPA 8260D	11-22-21	11-22-21	
(cis) 1,3-Dichloropropene	ND	0.0013	EPA 8260D	11-22-21	11-22-21	
Methyl Isobutyl Ketone	ND	0.0064	EPA 8260D	11-22-21	11-22-21	
Toluene	ND	0.0064	EPA 8260D	11-22-21	11-22-21	
(trans) 1,3-Dichloropropene	ND	0.0013	EPA 8260D	11-22-21	11-22-21	

Laboratory Reference: 2111-217

Project: 060172

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				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	CB-01-19-111821					
Laboratory ID:	11-217-20					
1,1,2-Trichloroethane	ND	0.0013	EPA 8260D	11-22-21	11-22-21	
Tetrachloroethene	0.030	0.0013	EPA 8260D	11-22-21	11-22-21	
1,3-Dichloropropane	ND	0.0013	EPA 8260D	11-22-21	11-22-21	
2-Hexanone	ND	0.0064	EPA 8260D	11-22-21	11-22-21	
Dibromochloromethane	ND	0.0013	EPA 8260D	11-22-21	11-22-21	
1,2-Dibromoethane	ND	0.0013	EPA 8260D	11-22-21	11-22-21	
Chlorobenzene	ND	0.0013	EPA 8260D	11-22-21	11-22-21	
1,1,1,2-Tetrachloroethane	ND	0.0013	EPA 8260D	11-22-21	11-22-21	
Ethylbenzene	ND	0.0013	EPA 8260D	11-22-21	11-22-21	
m,p-Xylene	ND	0.0026	EPA 8260D	11-22-21	11-22-21	
o-Xylene	ND	0.0013	EPA 8260D	11-22-21	11-22-21	
Styrene	ND	0.0013	EPA 8260D	11-22-21	11-22-21	
Bromoform	ND	0.0064	EPA 8260D	11-22-21	11-22-21	
Isopropylbenzene	ND	0.0013	EPA 8260D	11-22-21	11-22-21	
Bromobenzene	ND	0.0013	EPA 8260D	11-22-21	11-22-21	
1,1,2,2-Tetrachloroethane	ND	0.0013	EPA 8260D	11-22-21	11-22-21	
1,2,3-Trichloropropane	ND	0.0013	EPA 8260D	11-22-21	11-22-21	
n-Propylbenzene	ND	0.0013	EPA 8260D	11-22-21	11-22-21	
2-Chlorotoluene	ND	0.0013	EPA 8260D	11-22-21	11-22-21	
4-Chlorotoluene	ND	0.0013	EPA 8260D	11-22-21	11-22-21	
1,3,5-Trimethylbenzene	ND	0.0013	EPA 8260D	11-22-21	11-22-21	
tert-Butylbenzene	ND	0.0013	EPA 8260D	11-22-21	11-22-21	
1,2,4-Trimethylbenzene	0.0013	0.0013	EPA 8260D	11-22-21	11-22-21	
sec-Butylbenzene	ND	0.0013	EPA 8260D	11-22-21	11-22-21	
1,3-Dichlorobenzene	ND	0.0013	EPA 8260D	11-22-21	11-22-21	
p-Isopropyltoluene	0.0049	0.0013	EPA 8260D	11-22-21	11-22-21	
1,4-Dichlorobenzene	ND	0.0013	EPA 8260D	11-22-21	11-22-21	
1,2-Dichlorobenzene	ND	0.0013	EPA 8260D	11-22-21	11-22-21	
n-Butylbenzene	ND	0.0013	EPA 8260D	11-22-21	11-22-21	
1,2-Dibromo-3-chloropropane	e ND	0.0064	EPA 8260D	11-22-21	11-22-21	
1,2,4-Trichlorobenzene	ND	0.0013	EPA 8260D	11-22-21	11-22-21	
Hexachlorobutadiene	ND	0.0064	EPA 8260D	11-22-21	11-22-21	
Naphthalene	ND	0.0064	EPA 8260D	11-22-21	11-22-21	
1,2,3-Trichlorobenzene	ND	0.0013	EPA 8260D	11-22-21	11-22-21	
Surrogate:	Percent Recovery	Control Limits				
Dibromofluoromethane	104	74-131				
Toluene-d8	93	78-128				
4-Bromofluorobenzene	85	71-130				

Laboratory Reference: 2111-217

Project: 060172

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				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	CB-01-23-111821					
Laboratory ID:	11-217-21					
Dichlorodifluoromethane	ND	0.0014	EPA 8260D	11-22-21	11-22-21	
Chloromethane	ND	0.0043	EPA 8260D	11-22-21	11-22-21	
Vinyl Chloride	ND	0.00086	EPA 8260D	11-22-21	11-22-21	
Bromomethane	ND	0.0043	EPA 8260D	11-22-21	11-22-21	
Chloroethane	ND	0.0043	EPA 8260D	11-22-21	11-22-21	
Trichlorofluoromethane	ND	0.00086	EPA 8260D	11-22-21	11-22-21	
1,1-Dichloroethene	ND	0.00086	EPA 8260D	11-22-21	11-22-21	
Acetone	0.62	0.50	EPA 8260D	11-23-21	11-23-21	
Iodomethane	ND	0.0043	EPA 8260D	11-22-21	11-22-21	
Carbon Disulfide	0.0011	0.00086	EPA 8260D	11-22-21	11-22-21	
Methylene Chloride	ND	0.0043	EPA 8260D	11-22-21	11-22-21	
(trans) 1,2-Dichloroethene	ND	0.00086	EPA 8260D	11-22-21	11-22-21	
Methyl t-Butyl Ether	ND	0.00086	EPA 8260D	11-22-21	11-22-21	
1,1-Dichloroethane	ND	0.00086	EPA 8260D	11-22-21	11-22-21	
Vinyl Acetate	ND	0.0043	EPA 8260D	11-22-21	11-22-21	
2,2-Dichloropropane	ND	0.00086	EPA 8260D	11-22-21	11-22-21	
(cis) 1,2-Dichloroethene	ND	0.00086	EPA 8260D	11-22-21	11-22-21	
2-Butanone	0.14	0.0043	EPA 8260D	11-22-21	11-22-21	
Bromochloromethane	ND	0.00086	EPA 8260D	11-22-21	11-22-21	
Chloroform	ND	0.00086	EPA 8260D	11-22-21	11-22-21	
1,1,1-Trichloroethane	ND	0.00086	EPA 8260D	11-22-21	11-22-21	
Carbon Tetrachloride	ND	0.00086	EPA 8260D	11-22-21	11-22-21	
1,1-Dichloropropene	ND	0.00086	EPA 8260D	11-22-21	11-22-21	
Benzene	ND	0.00086	EPA 8260D	11-22-21	11-22-21	
1,2-Dichloroethane	ND	0.00086	EPA 8260D	11-22-21	11-22-21	
Trichloroethene	ND	0.00086	EPA 8260D	11-22-21	11-22-21	
1,2-Dichloropropane	ND	0.00086	EPA 8260D	11-22-21	11-22-21	
Dibromomethane	ND	0.00086	EPA 8260D	11-22-21	11-22-21	
Bromodichloromethane	ND	0.00086	EPA 8260D	11-22-21	11-22-21	
2-Chloroethyl Vinyl Ether	ND	0.0063	EPA 8260D	11-22-21	11-22-21	
(cis) 1,3-Dichloropropene	ND	0.00086	EPA 8260D	11-22-21	11-22-21	
Methyl Isobutyl Ketone	ND	0.0043	EPA 8260D	11-22-21	11-22-21	
Toluene	ND	0.0043	EPA 8260D	11-22-21	11-22-21	
(trans) 1,3-Dichloropropene	. ND	0.00086	EPA 8260D	11-22-21	11-22-21	

Laboratory Reference: 2111-217

Project: 060172

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Chent ID:					Date	Date	
Autoratory December Decembe	Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
1,1,2-Trichloroethane	Client ID:	CB-01-23-111821					
Tetrachloroethene	Laboratory ID:	11-217-21					
1.3-Dichloropropane	1,1,2-Trichloroethane	ND	0.00086	EPA 8260D	11-22-21	11-22-21	
Part Part	Tetrachloroethene	ND	0.00086	EPA 8260D	11-22-21	11-22-21	
Dibromochloromethane ND 0.00086 EPA 8260D 11-22-21 11-	1,3-Dichloropropane	ND	0.00086	EPA 8260D	11-22-21	11-22-21	
	2-Hexanone	ND	0.0043	EPA 8260D	11-22-21	11-22-21	
Chlorobenzene	Dibromochloromethane	ND	0.00086	EPA 8260D	11-22-21	11-22-21	
1,1,2-Tetrachloroethane	1,2-Dibromoethane	ND	0.00086	EPA 8260D	11-22-21	11-22-21	
Ethylbenzene	Chlorobenzene	ND	0.00086	EPA 8260D	11-22-21	11-22-21	
n,p-Xylene ND 0.0017 EPA 8260D 11-22-21 11-22-2	1,1,1,2-Tetrachloroethane	ND	0.00086	EPA 8260D	11-22-21	11-22-21	
ND 0.0086 EPA 8260D 11-22-21 11-22	Ethylbenzene	ND	0.00086	EPA 8260D	11-22-21	11-22-21	
Styrene ND	m,p-Xylene	ND	0.0017	EPA 8260D	11-22-21	11-22-21	
Sommoform ND 0.0043 EPA 8260D 11-22-21 11-2	o-Xylene	ND	0.00086	EPA 8260D	11-22-21	11-22-21	
Sopropylbenzene ND 0.00086 EPA 8260D 11-22-21	Styrene	ND	0.00086	EPA 8260D	11-22-21	11-22-21	
Stromobenzene ND 0.00086 EPA 8260D 11-22-21	Bromoform	ND	0.0043	EPA 8260D	11-22-21	11-22-21	
1,1,2,2-Tetrachloroethane	Isopropylbenzene	ND	0.00086	EPA 8260D	11-22-21	11-22-21	
1,2,3-Trichloropropane	Bromobenzene	ND	0.00086	EPA 8260D	11-22-21	11-22-21	
ND	1,1,2,2-Tetrachloroethane	ND	0.00086	EPA 8260D	11-22-21	11-22-21	
Chorotoluene	1,2,3-Trichloropropane	ND	0.00086	EPA 8260D	11-22-21	11-22-21	
Cholorotoluene	n-Propylbenzene	ND	0.00086	EPA 8260D	11-22-21	11-22-21	
1,3,5-Trimethylbenzene ND 0.00086 EPA 8260D 11-22-21 1	2-Chlorotoluene	ND	0.00086	EPA 8260D	11-22-21	11-22-21	
ert-Butylbenzene ND 0.00086 EPA 8260D 11-22-21 11-22-21 12-21 12-21 12-21 11-22-21 1	4-Chlorotoluene	ND	0.00086	EPA 8260D	11-22-21	11-22-21	
1,2,4-Trimethylbenzene ND 0.00086 EPA 8260D 11-22-21 1	1,3,5-Trimethylbenzene	ND	0.00086	EPA 8260D	11-22-21	11-22-21	
ND 0.00086 EPA 8260D 11-22-21 11-2	tert-Butylbenzene	ND	0.00086	EPA 8260D	11-22-21	11-22-21	
1,3-Dichlorobenzene ND 0.00086 EPA 8260D 11-22-21 11-22-21 1,4-Dichlorobenzene ND 0.00086 EPA 8260D 11-22-21 11-22-21 1,2-Dichlorobenzene ND 0.00086 EPA 8260D 11-22-21 11-22-21 1,2-Dichlorobenzene ND 0.00086 EPA 8260D 11-22-21 11-22-21 1,2-Dibromo-3-chloropropane ND 0.00086 EPA 8260D 11-22-21 11-22-21 1,2-Dibromo-3-chloropropane ND 0.0043 EPA 8260D 11-22-21 11-22-21 1,2,4-Trichlorobenzene ND 0.00086 EPA 8260D 11-22-21 11-22-21 1,2,4-Trichlorobenzene ND 0.00086 EPA 8260D 11-22-21 11-22-21 Naphthalene ND 0.0043 EPA 8260D 11-22-21 11-22-21 Naphthalene ND 0.0043 EPA 8260D 11-22-21 11-22-21 Naphthalene ND 0.00086 EPA 8260D 11-22-21 11-22-21	1,2,4-Trimethylbenzene	ND	0.00086	EPA 8260D	11-22-21	11-22-21	
1,3-Dichlorobenzene ND 0.00086 EPA 8260D 11-22-21 11-22-21 1,4-Dichlorobenzene ND 0.00086 EPA 8260D 11-22-21 11-22-21 1,2-Dichlorobenzene ND 0.00086 EPA 8260D 11-22-21 11-22-21 1,2-Dichlorobenzene ND 0.00086 EPA 8260D 11-22-21 11-22-21 1,2-Dibromo-3-chloropropane ND 0.00086 EPA 8260D 11-22-21 11-22-21 1,2-Dibromo-3-chloropropane ND 0.0043 EPA 8260D 11-22-21 11-22-21 1,2,4-Trichlorobenzene ND 0.00086 EPA 8260D 11-22-21 11-22-21 1,2,4-Trichlorobenzene ND 0.00086 EPA 8260D 11-22-21 11-22-21 Naphthalene ND 0.0043 EPA 8260D 11-22-21 11-22-21 Naphthalene ND 0.0043 EPA 8260D 11-22-21 11-22-21 Naphthalene ND 0.00086 EPA 8260D 11-22-21 11-22-21	sec-Butylbenzene	ND	0.00086	EPA 8260D	11-22-21	11-22-21	
ND 0.00086 EPA 8260D 11-22-21 11-2	•	ND	0.00086		11-22-21	11-22-21	
1,4-Dichlorobenzene		ND	0.00086	EPA 8260D	11-22-21	11-22-21	
1,2-Dichlorobenzene ND 0.00086 EPA 8260D 11-22-21 11-22-21 1,2-Dibromo-3-chloropropane ND 0.0043 EPA 8260D 11-22-21 11-22-21 1,2,4-Trichlorobenzene ND 0.0086 EPA 8260D 11-22-21 11-22-21 1,2,4-Trichlorobenzene ND 0.0086 EPA 8260D 11-22-21 11-22-21 1,2,4-Trichlorobenzene ND 0.0043 EPA 8260D 11-22-21 11-22-21 Naphthalene ND 0.0043 EPA 8260D 11-22-21 11-22-21 Naphthalene ND 0.0043 EPA 8260D 11-22-21 11-22-21 Naphthalene ND 0.00086 EPA 8260D 11-22-21 11-22-21 ND 0.00086 EPA 8260D 11-22-21							
ND 0.00086 EPA 8260D 11-22-21 11-22-21 11-22-21 12-21 12-21 12-21 12-21 12-21 12-21 12-21 12-21 12-21 12-21 12-21 12-21 12-21 12-21 12-2221 12-222	•						
I,2-Dibromo-3-chloropropane ND 0.0043 EPA 8260D 11-22-21 11-22-21 I,2,4-Trichlorobenzene ND 0.00086 EPA 8260D 11-22-21 11-22-21 Hexachlorobutadiene ND 0.0043 EPA 8260D 11-22-21 11-22-21 Naphthalene ND 0.0043 EPA 8260D 11-22-21 11-22-21 I,2,3-Trichlorobenzene ND 0.00086 EPA 8260D 11-22-21 11-22-21 Surrogate: Percent Recovery Control Limits Dibromofluoromethane 105 74-131 Toluene-d8 97 78-128							
I,2,4-Trichlorobenzene ND 0.00086 EPA 8260D 11-22-21 11-22-21 Hexachlorobutadiene ND 0.0043 EPA 8260D 11-22-21 11-22-21 Naphthalene ND 0.0043 EPA 8260D 11-22-21 11-22-21 I,2,3-Trichlorobenzene ND 0.00086 EPA 8260D 11-22-21 11-22-21 Surrogate: Percent Recovery Control Limits Dibromofluoromethane 105 74-131 Toluene-d8 97 78-128							
Hexachlorobutadiene ND 0.0043 EPA 8260D 11-22-21 11-22-21 Naphthalene ND 0.0043 EPA 8260D 11-22-21 11-22-21 I,2,3-Trichlorobenzene ND 0.00086 EPA 8260D 11-22-21 11-22-21 Surrogate: Percent Recovery Control Limits Dibromofluoromethane 105 74-131 Toluene-d8 97 78-128	• •						
Naphthalene ND 0.0043 EPA 8260D 11-22-21 11-22-21 1,2,3-Trichlorobenzene ND 0.00086 EPA 8260D 11-22-21 11-22-21 Surrogate: Percent Recovery Control Limits Dibromofluoromethane 105 74-131 Toluene-d8 97 78-128							
1,2,3-Trichlorobenzene ND 0.00086 EPA 8260D 11-22-21 11-22-21 Surrogate: Percent Recovery Control Limits Dibromofluoromethane 105 74-131 Toluene-d8 97 78-128							
Surrogate: Percent Recovery Control Limits Dibromofluoromethane 105 74-131 Toluene-d8 97 78-128	-						
Dibromofluoromethane 105 74-131 Toluene-d8 97 78-128				EPA 8260D	11-22-21	11-22-21	
Toluene-d8 97 78-128	Surrogate:	-					
1-Bromofluorobenzene 97 71-130	Toluene-d8						
	4-Bromofluorobenzene	97	71-130				

Laboratory Reference: 2111-217

Project: 060172

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Office. Hig/Ng				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	CB-13-5-111921					
Laboratory ID:	11-217-22					
Dichlorodifluoromethane	ND	0.0017	EPA 8260D	11-22-21	11-22-21	
Chloromethane	ND	0.0053	EPA 8260D	11-22-21	11-22-21	
Vinyl Chloride	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
Bromomethane	ND	0.0053	EPA 8260D	11-22-21	11-22-21	
Chloroethane	ND	0.0053	EPA 8260D	11-22-21	11-22-21	
Trichlorofluoromethane	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
1,1-Dichloroethene	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
Acetone	ND	0.011	EPA 8260D	11-22-21	11-22-21	
lodomethane	ND	0.0053	EPA 8260D	11-22-21	11-22-21	
Carbon Disulfide	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
Methylene Chloride	ND	0.0053	EPA 8260D	11-22-21	11-22-21	
(trans) 1,2-Dichloroethene	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
Methyl t-Butyl Ether	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
1,1-Dichloroethane	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
Vinyl Acetate	ND	0.0053	EPA 8260D	11-22-21	11-22-21	
2,2-Dichloropropane	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
(cis) 1,2-Dichloroethene	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
2-Butanone	ND	0.0053	EPA 8260D	11-22-21	11-22-21	
Bromochloromethane	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
Chloroform	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
1,1,1-Trichloroethane	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
Carbon Tetrachloride	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
1,1-Dichloropropene	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
Benzene	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
1,2-Dichloroethane	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
Trichloroethene	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
1,2-Dichloropropane	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
Dibromomethane	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
Bromodichloromethane	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
2-Chloroethyl Vinyl Ether	ND	0.0078	EPA 8260D	11-22-21	11-22-21	
(cis) 1,3-Dichloropropene	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
Methyl Isobutyl Ketone	ND	0.0053	EPA 8260D	11-22-21	11-22-21	
Toluene	ND	0.0053	EPA 8260D	11-22-21	11-22-21	
(trans) 1,3-Dichloropropene	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
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Laboratory Reference: 2111-217

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				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	CB-13-5-111921					
Laboratory ID:	11-217-22					
1,1,2-Trichloroethane	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
Tetrachloroethene	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
1,3-Dichloropropane	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
2-Hexanone	ND	0.0053	EPA 8260D	11-22-21	11-22-21	
Dibromochloromethane	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
1,2-Dibromoethane	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
Chlorobenzene	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
1,1,1,2-Tetrachloroethane	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
Ethylbenzene	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
m,p-Xylene	ND	0.0021	EPA 8260D	11-22-21	11-22-21	
o-Xylene	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
Styrene	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
Bromoform	ND	0.0053	EPA 8260D	11-22-21	11-22-21	
Isopropylbenzene	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
Bromobenzene	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
1,1,2,2-Tetrachloroethane	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
1,2,3-Trichloropropane	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
n-Propylbenzene	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
2-Chlorotoluene	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
4-Chlorotoluene	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
1,3,5-Trimethylbenzene	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
tert-Butylbenzene	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
1,2,4-Trimethylbenzene	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
sec-Butylbenzene	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
1,3-Dichlorobenzene	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
p-Isopropyltoluene	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
1,4-Dichlorobenzene	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
1,2-Dichlorobenzene	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
n-Butylbenzene	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
1,2-Dibromo-3-chloropropane	e ND	0.0053	EPA 8260D	11-22-21	11-22-21	
1,2,4-Trichlorobenzene	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
Hexachlorobutadiene	ND	0.0053	EPA 8260D	11-22-21	11-22-21	
Naphthalene	ND	0.0053	EPA 8260D	11-22-21	11-22-21	
1,2,3-Trichlorobenzene	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
Surrogate:	Percent Recovery	Control Limits				
Dibromofluoromethane	103	74-131				
Toluene-d8	96	78-128				
4-Bromofluorobenzene	92	71-130				

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				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	CB-13-8-111921					
Laboratory ID:	11-217-23					
Dichlorodifluoromethane	ND	0.0017	EPA 8260D	11-22-21	11-22-21	
Chloromethane	ND	0.0053	EPA 8260D	11-22-21	11-22-21	
Vinyl Chloride	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
Bromomethane	ND	0.0053	EPA 8260D	11-22-21	11-22-21	
Chloroethane	ND	0.0053	EPA 8260D	11-22-21	11-22-21	
Trichlorofluoromethane	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
1,1-Dichloroethene	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
Acetone	0.34	0.011	EPA 8260D	11-22-21	11-22-21	
Iodomethane	ND	0.0053	EPA 8260D	11-22-21	11-22-21	
Carbon Disulfide	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
Methylene Chloride	ND	0.0053	EPA 8260D	11-22-21	11-22-21	
(trans) 1,2-Dichloroethene	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
Methyl t-Butyl Ether	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
1,1-Dichloroethane	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
Vinyl Acetate	ND	0.0053	EPA 8260D	11-22-21	11-22-21	
2,2-Dichloropropane	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
(cis) 1,2-Dichloroethene	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
2-Butanone	0.019	0.0053	EPA 8260D	11-22-21	11-22-21	
Bromochloromethane	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
Chloroform	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
1,1,1-Trichloroethane	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
Carbon Tetrachloride	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
1,1-Dichloropropene	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
Benzene	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
1,2-Dichloroethane	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
Trichloroethene	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
1,2-Dichloropropane	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
Dibromomethane	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
Bromodichloromethane	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
2-Chloroethyl Vinyl Ether	ND	0.0078	EPA 8260D	11-22-21	11-22-21	
(cis) 1,3-Dichloropropene	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
Methyl Isobutyl Ketone	ND	0.0053	EPA 8260D	11-22-21	11-22-21	
Toluene	ND	0.0053	EPA 8260D	11-22-21	11-22-21	
(trans) 1,3-Dichloropropene	ND	0.0011	EPA 8260D	11-22-21	11-22-21	

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				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	CB-13-8-111921					
Laboratory ID:	11-217-23					
1,1,2-Trichloroethane	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
Tetrachloroethene	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
1,3-Dichloropropane	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
2-Hexanone	ND	0.0053	EPA 8260D	11-22-21	11-22-21	
Dibromochloromethane	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
1,2-Dibromoethane	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
Chlorobenzene	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
1,1,1,2-Tetrachloroethane	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
Ethylbenzene	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
m,p-Xylene	ND	0.0021	EPA 8260D	11-22-21	11-22-21	
o-Xylene	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
Styrene	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
Bromoform	ND	0.0053	EPA 8260D	11-22-21	11-22-21	
Isopropylbenzene	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
Bromobenzene	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
1,1,2,2-Tetrachloroethane	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
1,2,3-Trichloropropane	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
n-Propylbenzene	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
2-Chlorotoluene	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
4-Chlorotoluene	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
1,3,5-Trimethylbenzene	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
tert-Butylbenzene	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
1,2,4-Trimethylbenzene	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
sec-Butylbenzene	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
1,3-Dichlorobenzene	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
p-Isopropyltoluene	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
1,4-Dichlorobenzene	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
1,2-Dichlorobenzene	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
n-Butylbenzene	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
1,2-Dibromo-3-chloropropane		0.0053	EPA 8260D	11-22-21	11-22-21	
1,2,4-Trichlorobenzene			EPA 8260D	11-22-21	11-22-21	
	ND ND	0.0011 0.0053				
Hexachlorobutadiene			EPA 8260D	11-22-21	11-22-21	
Naphthalene	0.015	0.0053	EPA 8260D	11-22-21	11-22-21	
1,2,3-Trichlorobenzene	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
Surrogate:	Percent Recovery	Control Limits				
Dibromofluoromethane	104	74-131				
Toluene-d8	95	78-128				
4 D	00	74 400				

4-Bromofluorobenzene

71-130

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Office. Hig/Ng				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	CB-13-16-111921					
Laboratory ID:	11-217-24					
Dichlorodifluoromethane	ND	0.0018	EPA 8260D	11-22-21	11-22-21	
Chloromethane	ND	0.0056	EPA 8260D	11-22-21	11-22-21	
Vinyl Chloride	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
Bromomethane	ND	0.0056	EPA 8260D	11-22-21	11-22-21	
Chloroethane	ND	0.0056	EPA 8260D	11-22-21	11-22-21	
Trichlorofluoromethane	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
1,1-Dichloroethene	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
Acetone	0.26	0.011	EPA 8260D	11-22-21	11-22-21	
lodomethane	ND	0.0056	EPA 8260D	11-22-21	11-22-21	
Carbon Disulfide	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
Methylene Chloride	ND	0.0056	EPA 8260D	11-22-21	11-22-21	
(trans) 1,2-Dichloroethene	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
Methyl t-Butyl Ether	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
1,1-Dichloroethane	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
Vinyl Acetate	ND	0.0056	EPA 8260D	11-22-21	11-22-21	
2,2-Dichloropropane	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
(cis) 1,2-Dichloroethene	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
2-Butanone	0.034	0.0056	EPA 8260D	11-22-21	11-22-21	
Bromochloromethane	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
Chloroform	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
1,1,1-Trichloroethane	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
Carbon Tetrachloride	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
1,1-Dichloropropene	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
Benzene	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
1,2-Dichloroethane	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
Trichloroethene	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
1,2-Dichloropropane	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
Dibromomethane	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
Bromodichloromethane	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
2-Chloroethyl Vinyl Ether	ND	0.0082	EPA 8260D	11-22-21	11-22-21	
(cis) 1,3-Dichloropropene	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
Methyl Isobutyl Ketone	ND	0.0056	EPA 8260D	11-22-21	11-22-21	
Toluene	ND	0.0056	EPA 8260D	11-22-21	11-22-21	
(trans) 1,3-Dichloropropene	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
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				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	CB-13-16-111921					
Laboratory ID:	11-217-24					
1,1,2-Trichloroethane	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
Tetrachloroethene	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
1,3-Dichloropropane	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
2-Hexanone	ND	0.0056	EPA 8260D	11-22-21	11-22-21	
Dibromochloromethane	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
1,2-Dibromoethane	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
Chlorobenzene	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
1,1,1,2-Tetrachloroethane	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
Ethylbenzene	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
m,p-Xylene	ND	0.0022	EPA 8260D	11-22-21	11-22-21	
o-Xylene	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
Styrene	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
Bromoform	ND	0.0056	EPA 8260D	11-22-21	11-22-21	
Isopropylbenzene	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
Bromobenzene	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
1,1,2,2-Tetrachloroethane	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
1,2,3-Trichloropropane	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
n-Propylbenzene	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
2-Chlorotoluene	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
4-Chlorotoluene	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
1,3,5-Trimethylbenzene	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
tert-Butylbenzene	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
1,2,4-Trimethylbenzene	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
sec-Butylbenzene	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
1,3-Dichlorobenzene	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
p-Isopropyltoluene	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
1,4-Dichlorobenzene	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
1,2-Dichlorobenzene	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
n-Butylbenzene	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
1,2-Dibromo-3-chloropropane	e ND	0.0056	EPA 8260D	11-22-21	11-22-21	
1,2,4-Trichlorobenzene	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
Hexachlorobutadiene	ND	0.0056	EPA 8260D	11-22-21	11-22-21	
Naphthalene	ND	0.0056	EPA 8260D	11-22-21	11-22-21	
1,2,3-Trichlorobenzene	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
Surrogate:	Percent Recovery	Control Limits				
Dibromofluoromethane	108	74-131				
Toluene-d8	97	78-128				
4-Bromofluorobenzene	94	71-130				

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				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	CB-13-20-111921					
Laboratory ID:	11-217-25					
Dichlorodifluoromethane	ND	0.0015	EPA 8260D	11-22-21	11-22-21	
Chloromethane	ND	0.0046	EPA 8260D	11-22-21	11-22-21	
Vinyl Chloride	ND	0.00092	EPA 8260D	11-22-21	11-22-21	
Bromomethane	ND	0.0046	EPA 8260D	11-22-21	11-22-21	
Chloroethane	ND	0.0046	EPA 8260D	11-22-21	11-22-21	
Trichlorofluoromethane	ND	0.00092	EPA 8260D	11-22-21	11-22-21	
1,1-Dichloroethene	ND	0.00092	EPA 8260D	11-22-21	11-22-21	
Acetone	0.22	0.0092	EPA 8260D	11-22-21	11-22-21	
lodomethane	ND	0.0046	EPA 8260D	11-22-21	11-22-21	
Carbon Disulfide	0.0020	0.00092	EPA 8260D	11-22-21	11-22-21	
Methylene Chloride	ND	0.0046	EPA 8260D	11-22-21	11-22-21	
(trans) 1,2-Dichloroethene	ND	0.00092	EPA 8260D	11-22-21	11-22-21	
Methyl t-Butyl Ether	ND	0.00092	EPA 8260D	11-22-21	11-22-21	
1,1-Dichloroethane	ND	0.00092	EPA 8260D	11-22-21	11-22-21	
Vinyl Acetate	ND	0.0046	EPA 8260D	11-22-21	11-22-21	
2,2-Dichloropropane	ND	0.00092	EPA 8260D	11-22-21	11-22-21	
(cis) 1,2-Dichloroethene	ND	0.00092	EPA 8260D	11-22-21	11-22-21	
2-Butanone	0.034	0.0046	EPA 8260D	11-22-21	11-22-21	
Bromochloromethane	ND	0.00092	EPA 8260D	11-22-21	11-22-21	
Chloroform	ND	0.00092	EPA 8260D	11-22-21	11-22-21	
1,1,1-Trichloroethane	ND	0.00092	EPA 8260D	11-22-21	11-22-21	
Carbon Tetrachloride	ND	0.00092	EPA 8260D	11-22-21	11-22-21	
1,1-Dichloropropene	ND	0.00092	EPA 8260D	11-22-21	11-22-21	
Benzene	ND	0.00092	EPA 8260D	11-22-21	11-22-21	
1,2-Dichloroethane	ND	0.00092	EPA 8260D	11-22-21	11-22-21	
Trichloroethene	ND	0.00092	EPA 8260D	11-22-21	11-22-21	
1,2-Dichloropropane	ND	0.00092	EPA 8260D	11-22-21	11-22-21	
Dibromomethane	ND	0.00092	EPA 8260D	11-22-21	11-22-21	
Bromodichloromethane	ND	0.00092	EPA 8260D	11-22-21	11-22-21	
2-Chloroethyl Vinyl Ether	ND	0.0068	EPA 8260D	11-22-21	11-22-21	
(cis) 1,3-Dichloropropene	ND	0.00092	EPA 8260D	11-22-21	11-22-21	
Methyl Isobutyl Ketone	ND	0.0046	EPA 8260D	11-22-21	11-22-21	
Toluene	ND	0.0046	EPA 8260D	11-22-21	11-22-21	
(trans) 1,3-Dichloropropene	ND	0.00092	EPA 8260D	11-22-21	11-22-21	

Laboratory Reference: 2111-217

Project: 060172

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Client ID: CB-13-20-111921 Laboratory ID: 11-217-25					Date	Date	
Laboratory ID:	Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
1,1,2-Trichloroethane	Client ID:	CB-13-20-111921					
Tetrachloroethene 0.0013 0.00092 EPA 8260D 11-22-21 11-22-21 1.3-Dichloropropane ND 0.00092 EPA 8260D 11-22-21	_aboratory ID:	11-217-25					
1,3-Dichloropropane	I,1,2-Trichloroethane	ND	0.00092	EPA 8260D	11-22-21	11-22-21	
December ND	Γetrachloroethene	0.0013	0.00092	EPA 8260D	11-22-21	11-22-21	
Dibromochloromethane ND 0.00092 EPA 8260D 11-22-21 11-22-21 11-22-21 11,2-11 11-22-21 11,2-2-21 11,2-2-21 11,2-2-21 11,2-2-21 11,1-22	1,3-Dichloropropane	ND	0.00092	EPA 8260D	11-22-21	11-22-21	
1,2-Dibromoethane ND 0.00092 EPA 8260D 11-22-21 11-22-21 Chlorobenzene ND 0.00092 EPA 8260D 11-22-21 11-22-21 1,1,1,2-Tetrachloroethane ND 0.00092 EPA 8260D 11-22-21 11-22-21 Ithylbenzene ND 0.00092 EPA 8260D 11-22-21 11-22-21 m,p-Xylene ND 0.00092 EPA 8260D 11-22-21 11-22-21 bo-Xylene ND 0.00092 EPA 8260D 11-22-21 11-22-21 Styrene ND 0.00092 EPA 8260D 11-22-21 11-22-21 Styrene ND 0.00092 EPA 8260D 11-22-21 11-22-21 Isopropylbenzene ND 0.00092 EPA 8260D 11-22-21 11-22-21 Bromobenzene ND 0.00092 EPA 8260D 11-22-21 11-22-21 Bromobenzene ND 0.00092 EPA 8260D 11-22-21 11-22-21 H1,2,3-Trichlorobropropane ND 0.00092 EPA 8260D	2-Hexanone	ND	0.0046	EPA 8260D	11-22-21	11-22-21	
Chlorobenzene ND 0.00092 EPA 8260D 11-22-21 11-22-21 1,1,1,2-Tetrachloroethane ND 0.00092 EPA 8260D 11-22-21 11-22-21 Ethylbenzene ND 0.00092 EPA 8260D 11-22-21 11-22-21 m,p-Xylene ND 0.0018 EPA 8260D 11-22-21 11-22-21 b-Xylene ND 0.00092 EPA 8260D 11-22-21 11-22-21 Styrene ND 0.00092 EPA 8260D 11-22-21 11-22-21 Bromoform ND 0.0046 EPA 8260D 11-22-21 11-22-21 Bromoform ND 0.00092 EPA 8260D 11-22-21 11-22-21 Isopropylbenzene ND 0.00092 EPA 8260D 11-22-21 11-22-21 1,1,2,2-Tetrachloroethane ND 0.00092 EPA 8260D 11-22-21 11-22-21 1,2,2-Tetrachloroethane ND 0.00092 EPA 8260D 11-22-21 11-22-21 1,2,2-Tetrachloroethane ND 0.00092 EPA 8260D </td <td>Dibromochloromethane</td> <td>ND</td> <td>0.00092</td> <td>EPA 8260D</td> <td>11-22-21</td> <td>11-22-21</td> <td></td>	Dibromochloromethane	ND	0.00092	EPA 8260D	11-22-21	11-22-21	
1,1,1,2-Tetrachloroethane	1,2-Dibromoethane	ND	0.00092	EPA 8260D	11-22-21	11-22-21	
Ethylbenzene ND 0.00092 EPA 8260D 11-22-21 11-22-21	Chlorobenzene	ND	0.00092	EPA 8260D	11-22-21	11-22-21	
Miles Mile	I,1,1,2-Tetrachloroethane	ND	0.00092	EPA 8260D	11-22-21	11-22-21	
Document No. Document Doc	Ethylbenzene	ND	0.00092	EPA 8260D	11-22-21	11-22-21	
Styrene	n,p-Xylene	ND	0.0018	EPA 8260D	11-22-21	11-22-21	
ND	o-Xylene	ND	0.00092	EPA 8260D	11-22-21	11-22-21	
Sopropylbenzene ND 0.00092 EPA 8260D 11-22-21	Styrene	ND	0.00092	EPA 8260D	11-22-21	11-22-21	
Stromobenzene ND 0.00092 EPA 8260D 11-22-21 11-22-21 11,2,2-Tetrachloroethane ND 0.00092 EPA 8260D 11-22-21 11-22-21 11,2,3-Trichloropropane ND 0.00092 EPA 8260D 11-22-21 11	3romoform	ND	0.0046	EPA 8260D	11-22-21	11-22-21	
1,1,2,2-Tetrachloroethane	sopropylbenzene	ND	0.00092	EPA 8260D	11-22-21	11-22-21	
1,2,3-Trichloropropane	3romobenzene	ND	0.00092	EPA 8260D	11-22-21	11-22-21	
ND 0.00092 EPA 8260D 11-22-21 11-2	I,1,2,2-Tetrachloroethane	ND	0.00092	EPA 8260D	11-22-21	11-22-21	
2-Chlorotoluene ND 0.00092 EPA 8260D 11-22-21 11-22-21 11-3,5-Trimethylbenzene ND 0.00092 EPA 8260D 11-22-21 11	1,2,3-Trichloropropane	ND	0.00092	EPA 8260D	11-22-21	11-22-21	
4-Chlorotoluene ND 0.00092 EPA 8260D 11-22-21 11-22-21 11,3,5-Trimethylbenzene ND 0.00092 EPA 8260D 11-22-21 11-22-21 12-22-21 12,2,4-Trimethylbenzene ND 0.00092 EPA 8260D 11-22-21 11-22-21 12,2,4-Trimethylbenzene ND 0.00092 EPA 8260D 11-22-21 11-22-21 13,3-Dichlorobenzene ND 0.00092 EPA 8260D 11-22-21 11-22-21 13,4-Dichlorobenzene ND 0.00092 EPA 8260D 11-22-21 11-22-21 13,2-Dichlorobenzene ND 0.00092 EPA 8260D 11-22-21 11-22-21 13,2-Dichlorobenzene ND 0.00092 EPA 8260D 11-22-21 11-22-21 13,2-Dichlorobenzene ND 0.00092 EPA 8260D 11-22-21 11-22-21 13,2-Dibromo-3-chloropropane ND 0.00092 EPA 8260D 11-22-21 11-22-21 13,2-Dibromo-3-chloropropane ND 0.0046 EPA 8260D 11-22-21 11-22-21 13,2-Dichlorobenzene ND 0.00092 EPA 8260D 11-22-21 11-22-21 13,2-Dichlorobenzene ND 0.00092 EPA 8260D 11-22-21 11-22-21 13,2-Dichlorobenzene ND 0.0046 EPA 8260D 11-22-21 11-22-21 13,2-Dichlorobenzene ND 0.0046 EPA 8260D 11-22-21 11-22-21 13,2-Dichlorobenzene ND 0.0046 EPA 8260D 11-22-21 11-22-21 13,2-Dichlorobenzene ND 0.0046 EPA 8260D 11-22-21 11-22-21 13,2-Dichlorobenzene ND 0.0046 EPA 8260D 11-22-21 11-22-21 13,2-Dichlorobenzene ND 0.0046 EPA 8260D 11-22-21 11-22-21 13,2-Dichlorobenzene ND 0.0046 EPA 8260D 11-22-21 11-22-21 13,2-Dichlorobenzene ND 0.0046 EPA 8260D 11-22-21 11-22-21 13,2-Dichlorobenzene ND 0.0046 EPA 8260D 11-22-21 11-22-21 13,2-Dichlorobenzene ND 0.00092 EPA 8260D 11-22-21 11-22-21 13,2-Dichlorobenzene ND 0.00092 EPA 8260D 11-22-21 11-22-21 13,2-Dichlorobenzene ND 0.00092 EPA 8260D 11-22-21 11-22-21 13,2-Dichlorobenzene ND 0.00092 EPA 8260D 11-22-21 11-22-21 13,2-Dichlorobenzene ND 0.00092 EPA 8260D 11-22-21 11-22-21 13,2-Dichlorobenzene ND 0.00092 EPA 8260D 11-22-21 11-22-21 13,2-Dichlorobenzene ND 0.00092 EPA 8260D 11-22-21 11-22-21 13,2-Dichlorobenzene ND 0.00092 EPA 8260D 11-22-21 11-22-21 13,2-Dichlorobenzene ND 0.00092 EPA 8260D 11-22	n-Propylbenzene	ND	0.00092	EPA 8260D	11-22-21	11-22-21	
1,3,5-Trimethylbenzene ND 0.00092 EPA 8260D 11-22-21 11-22-21 lert-Butylbenzene ND 0.00092 EPA 8260D 11-22-21 11-22-21 1,2,4-Trimethylbenzene ND 0.00092 EPA 8260D 11-22-21 11-22-21 1,2,4-Trimethylbenzene ND 0.00092 EPA 8260D 11-22-21 11-22-21 1,3-Dichlorobenzene ND 0.00092 EPA 8260D 11-22-21 11-22-21 1,4-Dichlorobenzene ND 0.00092 EPA 8260D 11-22-21 11-22-21 1,4-Dichlorobenzene ND 0.00092 EPA 8260D 11-22-21 11-22-21 1,2-Dichlorobenzene ND 0.00092 EPA 8260D 11-22-21 11-22-21 n-Butylbenzene ND 0.00092 EPA 8260D 11-22-21 11-22-21 1,2-Dibromo-3-chloropropane ND 0.0046 EPA 8260D 11-22-21 11-22-21 1,2,4-Trichlorobenzene ND 0.0046 EPA 8260D 11-22-21 11-22-21 Naphthalene ND<	2-Chlorotoluene	ND	0.00092	EPA 8260D	11-22-21	11-22-21	
tert-Butylbenzene ND 0.00092 EPA 8260D 11-22-21	1-Chlorotoluene	ND	0.00092	EPA 8260D	11-22-21	11-22-21	
tert-Butylbenzene ND 0.00092 EPA 8260D 11-22-21 11-22-21 1,2,4-Trimethylbenzene ND 0.00092 EPA 8260D 11-22-21 11-22-21 1,2,4-Trimethylbenzene ND 0.00092 EPA 8260D 11-22-21 11-22-21 1,3-Dichlorobenzene ND 0.00092 EPA 8260D 11-22-21 11-22-21 0-Isopropyltoluene 0.0019 0.00092 EPA 8260D 11-22-21 11-22-21 1,4-Dichlorobenzene ND 0.00092 EPA 8260D 11-22-21 11-22-21 1,2-Dichlorobenzene ND 0.00092 EPA 8260D 11-22-21 11-22-21 1,2-Dibromo-3-chloropropane ND 0.00092 EPA 8260D 11-22-21 11-22-21 1,2,4-Trichlorobenzene ND 0.0046 EPA 8260D 11-22-21 11-22-21 Hexachlorobutadiene ND 0.0046 EPA 8260D 11-22-21 11-22-21 Naphthalene ND 0.0046 EPA 8260D 11-22-21 11-22-21 1,2,3-Trichlorobenzene	1,3,5-Trimethylbenzene	ND	0.00092	EPA 8260D	11-22-21	11-22-21	
sec-Butylbenzene ND 0.00092 EPA 8260D 11-22-21 11-22-21 1,3-Dichlorobenzene ND 0.00092 EPA 8260D 11-22-21 11-22-21 1,3-Dichlorobenzene 0.0019 0.00092 EPA 8260D 11-22-21 11-22-21 1,4-Dichlorobenzene ND 0.00092 EPA 8260D 11-22-21 11-22-21 1,2-Dichlorobenzene ND 0.00092 EPA 8260D 11-22-21 11-22-21 n-Butylbenzene ND 0.00092 EPA 8260D 11-22-21 11-22-21 1,2-Dibromo-3-chloropropane ND 0.0046 EPA 8260D 11-22-21 11-22-21 1,2,4-Trichlorobenzene ND 0.00092 EPA 8260D 11-22-21 11-22-21 Hexachlorobutadiene ND 0.0046 EPA 8260D 11-22-21 11-22-21 Naphthalene ND 0.0046 EPA 8260D 11-22-21 11-22-21 1,2,3-Trichlorobenzene ND 0.00092 EPA 8260D 11-22-21 11-22-21 Surrogate: Percent Recovery		ND	0.00092	EPA 8260D	11-22-21	11-22-21	
1,3-Dichlorobenzene	1,2,4-Trimethylbenzene	ND	0.00092	EPA 8260D	11-22-21	11-22-21	
1,3-Dichlorobenzene ND 0.00092 EPA 8260D 11-22-21 11-22-21 1,4-Dichlorobenzene 0.0019 0.00092 EPA 8260D 11-22-21 11-22-21 1,4-Dichlorobenzene ND 0.00092 EPA 8260D 11-22-21 11-22-21 1,2-Dichlorobenzene ND 0.00092 EPA 8260D 11-22-21 11-22-21 n-Butylbenzene ND 0.00092 EPA 8260D 11-22-21 11-22-21 1,2-Dibromo-3-chloropropane ND 0.0046 EPA 8260D 11-22-21 11-22-21 1,2,4-Trichlorobenzene ND 0.00092 EPA 8260D 11-22-21 11-22-21 Hexachlorobutadiene ND 0.0046 EPA 8260D 11-22-21 11-22-21 Naphthalene ND 0.0046 EPA 8260D 11-22-21 11-22-21 1,2,3-Trichlorobenzene ND 0.00092 EPA 8260D 11-22-21 11-22-21 Surrogate: Percent Recovery Control Limits	sec-Butylbenzene	ND	0.00092	EPA 8260D	11-22-21	11-22-21	
1,4-Dichlorobenzene ND 0.00092 EPA 8260D 11-22-21 11-22-21 1,2-Dichlorobenzene ND 0.00092 EPA 8260D 11-22-21 11-22-21 n-Butylbenzene ND 0.00092 EPA 8260D 11-22-21 11-22-21 1,2-Dibromo-3-chloropropane ND 0.0046 EPA 8260D 11-22-21 11-22-21 1,2,4-Trichlorobenzene ND 0.00092 EPA 8260D 11-22-21 11-22-21 Hexachlorobutadiene ND 0.0046 EPA 8260D 11-22-21 11-22-21 Naphthalene ND 0.0046 EPA 8260D 11-22-21 11-22-21 1,2,3-Trichlorobenzene ND 0.00092 EPA 8260D 11-22-21 11-22-21 Surrogate: Percent Recovery Control Limits		ND	0.00092	EPA 8260D	11-22-21	11-22-21	
1,4-Dichlorobenzene ND 0.00092 EPA 8260D 11-22-21 11-22-21 1,2-Dichlorobenzene ND 0.00092 EPA 8260D 11-22-21 11-22-21 n-Butylbenzene ND 0.00092 EPA 8260D 11-22-21 11-22-21 1,2-Dibromo-3-chloropropane ND 0.0046 EPA 8260D 11-22-21 11-22-21 1,2,4-Trichlorobenzene ND 0.00092 EPA 8260D 11-22-21 11-22-21 Hexachlorobutadiene ND 0.0046 EPA 8260D 11-22-21 11-22-21 Naphthalene ND 0.0046 EPA 8260D 11-22-21 11-22-21 1,2,3-Trichlorobenzene ND 0.00092 EPA 8260D 11-22-21 11-22-21 Surrogate: Percent Recovery Control Limits	o-Isopropyltoluene	0.0019	0.00092	EPA 8260D	11-22-21	11-22-21	
1,2-Dichlorobenzene ND 0.00092 EPA 8260D 11-22-21 11-22-21 n-Butylbenzene ND 0.00092 EPA 8260D 11-22-21 11-22-21 1,2-Dibromo-3-chloropropane ND 0.0046 EPA 8260D 11-22-21 11-22-21 1,2,4-Trichlorobenzene ND 0.00092 EPA 8260D 11-22-21 11-22-21 Hexachlorobutadiene ND 0.0046 EPA 8260D 11-22-21 11-22-21 Naphthalene ND 0.0046 EPA 8260D 11-22-21 11-22-21 1,2,3-Trichlorobenzene ND 0.00092 EPA 8260D 11-22-21 11-22-21 Surrogate: Percent Recovery Control Limits		ND	0.00092	EPA 8260D	11-22-21	11-22-21	
n-Butylbenzene ND 0.00092 EPA 8260D 11-22-21 11-22-21 1,2-Dibromo-3-chloropropane ND 0.0046 EPA 8260D 11-22-21 11-22-21 1,2,4-Trichlorobenzene ND 0.00092 EPA 8260D 11-22-21 11-22-21 Hexachlorobutadiene ND 0.0046 EPA 8260D 11-22-21 11-22-21 Naphthalene ND 0.0046 EPA 8260D 11-22-21 11-22-21 1,2,3-Trichlorobenzene ND 0.00092 EPA 8260D 11-22-21 11-22-21 Surrogate: Percent Recovery Control Limits		ND	0.00092	EPA 8260D	11-22-21	11-22-21	
1,2-Dibromo-3-chloropropane ND 0.0046 EPA 8260D 11-22-21 11-22-21 1,2,4-Trichlorobenzene ND 0.00092 EPA 8260D 11-22-21 11-22-21 Hexachlorobutadiene ND 0.0046 EPA 8260D 11-22-21 11-22-21 Naphthalene ND 0.0046 EPA 8260D 11-22-21 11-22-21 1,2,3-Trichlorobenzene ND 0.00092 EPA 8260D 11-22-21 11-22-21 Surrogate: Percent Recovery Control Limits		ND		EPA 8260D	11-22-21	11-22-21	
1,2,4-Trichlorobenzene ND 0.00092 EPA 8260D 11-22-21 11-22-21 Hexachlorobutadiene ND 0.0046 EPA 8260D 11-22-21 11-22-21 Naphthalene ND 0.0046 EPA 8260D 11-22-21 11-22-21 1,2,3-Trichlorobenzene ND 0.00092 EPA 8260D 11-22-21 11-22-21 Surrogate: Percent Recovery Control Limits	·						
Hexachlorobutadiene ND 0.0046 EPA 8260D 11-22-21 11-22-21 Naphthalene ND 0.0046 EPA 8260D 11-22-21 11-22-21 1,2,3-Trichlorobenzene ND 0.00092 EPA 8260D 11-22-21 11-22-21 Surrogate: Percent Recovery Control Limits			0.00092				
Naphthalene ND 0.0046 EPA 8260D 11-22-21 11-22-21 1,2,3-Trichlorobenzene ND 0.00092 EPA 8260D 11-22-21 11-22-21 Surrogate: Percent Recovery Control Limits							
I,2,3-Trichlorobenzene ND 0.00092 EPA 8260D 11-22-21 11-22-21 Surrogate: Percent Recovery Control Limits							
Surrogate: Percent Recovery Control Limits	•						
Dibition to 14-131	Dibromofluoromethane	105	74-131				
Toluene-d8 95 78-128							
4-Bromofluorobenzene 93 71-130							

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				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	CB-14-6-111921					
Laboratory ID:	11-217-26					
Dichlorodifluoromethane	ND	0.0020	EPA 8260D	11-22-21	11-22-21	
Chloromethane	ND	0.0062	EPA 8260D	11-22-21	11-22-21	
Vinyl Chloride	ND	0.0012	EPA 8260D	11-22-21	11-22-21	
Bromomethane	ND	0.0062	EPA 8260D	11-22-21	11-22-21	
Chloroethane	ND	0.0062	EPA 8260D	11-22-21	11-22-21	
Trichlorofluoromethane	ND	0.0012	EPA 8260D	11-22-21	11-22-21	
1,1-Dichloroethene	ND	0.0012	EPA 8260D	11-22-21	11-22-21	
Acetone	ND	0.012	EPA 8260D	11-22-21	11-22-21	
Iodomethane	ND	0.0062	EPA 8260D	11-22-21	11-22-21	
Carbon Disulfide	ND	0.0012	EPA 8260D	11-22-21	11-22-21	
Methylene Chloride	ND	0.0062	EPA 8260D	11-22-21	11-22-21	
(trans) 1,2-Dichloroethene	ND	0.0012	EPA 8260D	11-22-21	11-22-21	
Methyl t-Butyl Ether	ND	0.0012	EPA 8260D	11-22-21	11-22-21	
1,1-Dichloroethane	ND	0.0012	EPA 8260D	11-22-21	11-22-21	
Vinyl Acetate	ND	0.0062	EPA 8260D	11-22-21	11-22-21	
2,2-Dichloropropane	ND	0.0012	EPA 8260D	11-22-21	11-22-21	
(cis) 1,2-Dichloroethene	ND	0.0012	EPA 8260D	11-22-21	11-22-21	
2-Butanone	ND	0.0062	EPA 8260D	11-22-21	11-22-21	
Bromochloromethane	ND	0.0012	EPA 8260D	11-22-21	11-22-21	
Chloroform	ND	0.0012	EPA 8260D	11-22-21	11-22-21	
1,1,1-Trichloroethane	ND	0.0012	EPA 8260D	11-22-21	11-22-21	
Carbon Tetrachloride	ND	0.0012	EPA 8260D	11-22-21	11-22-21	
1,1-Dichloropropene	ND	0.0012	EPA 8260D	11-22-21	11-22-21	
Benzene	ND	0.0012	EPA 8260D	11-22-21	11-22-21	
1,2-Dichloroethane	ND	0.0012	EPA 8260D	11-22-21	11-22-21	
Trichloroethene	ND	0.0012	EPA 8260D	11-22-21	11-22-21	
1,2-Dichloropropane	ND	0.0012	EPA 8260D	11-22-21	11-22-21	
Dibromomethane	ND	0.0012	EPA 8260D	11-22-21	11-22-21	
Bromodichloromethane	ND	0.0012	EPA 8260D	11-22-21	11-22-21	
2-Chloroethyl Vinyl Ether	ND	0.0092	EPA 8260D	11-22-21	11-22-21	
(cis) 1,3-Dichloropropene	ND	0.0012	EPA 8260D	11-22-21	11-22-21	
Methyl Isobutyl Ketone	ND	0.0062	EPA 8260D	11-22-21	11-22-21	
Toluene	ND	0.0062	EPA 8260D	11-22-21	11-22-21	
(trans) 1,3-Dichloropropene	ND	0.0012	EPA 8260D	11-22-21	11-22-21	

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				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	CB-14-6-111921					
Laboratory ID:	11-217-26					
1,1,2-Trichloroethane	ND	0.0012	EPA 8260D	11-22-21	11-22-21	
Tetrachloroethene	0.0025	0.0012	EPA 8260D	11-22-21	11-22-21	
1,3-Dichloropropane	ND	0.0012	EPA 8260D	11-22-21	11-22-21	
2-Hexanone	ND	0.0062	EPA 8260D	11-22-21	11-22-21	
Dibromochloromethane	ND	0.0012	EPA 8260D	11-22-21	11-22-21	
1,2-Dibromoethane	ND	0.0012	EPA 8260D	11-22-21	11-22-21	
Chlorobenzene	ND	0.0012	EPA 8260D	11-22-21	11-22-21	
1,1,1,2-Tetrachloroethane	ND	0.0012	EPA 8260D	11-22-21	11-22-21	
Ethylbenzene	ND	0.0012	EPA 8260D	11-22-21	11-22-21	
m,p-Xylene	ND	0.0025	EPA 8260D	11-22-21	11-22-21	
o-Xylene	ND	0.0012	EPA 8260D	11-22-21	11-22-21	
Styrene	ND	0.0012	EPA 8260D	11-22-21	11-22-21	
Bromoform	ND	0.0062	EPA 8260D	11-22-21	11-22-21	
lsopropylbenzene	ND	0.0012	EPA 8260D	11-22-21	11-22-21	
Bromobenzene	ND	0.0012	EPA 8260D	11-22-21	11-22-21	
1,1,2,2-Tetrachloroethane	ND	0.0012	EPA 8260D	11-22-21	11-22-21	
1,2,3-Trichloropropane	ND	0.0012	EPA 8260D	11-22-21	11-22-21	
n-Propylbenzene	ND	0.0012	EPA 8260D	11-22-21	11-22-21	
2-Chlorotoluene	ND	0.0012	EPA 8260D	11-22-21	11-22-21	
1-Chlorotoluene	ND	0.0012	EPA 8260D	11-22-21	11-22-21	
1,3,5-Trimethylbenzene	ND	0.0012	EPA 8260D	11-22-21	11-22-21	
ert-Butylbenzene	ND	0.0012	EPA 8260D	11-22-21	11-22-21	
1,2,4-Trimethylbenzene	ND	0.0012	EPA 8260D	11-22-21	11-22-21	
sec-Butylbenzene	ND	0.0012	EPA 8260D	11-22-21	11-22-21	
1,3-Dichlorobenzene	ND	0.0012	EPA 8260D	11-22-21	11-22-21	
p-Isopropyltoluene	ND	0.0012	EPA 8260D	11-22-21	11-22-21	
1,4-Dichlorobenzene	ND	0.0012	EPA 8260D	11-22-21	11-22-21	
1,2-Dichlorobenzene	ND	0.0012	EPA 8260D	11-22-21	11-22-21	
n-Butylbenzene	ND	0.0012	EPA 8260D	11-22-21	11-22-21	
1,2-Dibromo-3-chloropropane	e ND	0.0062	EPA 8260D	11-22-21	11-22-21	
1,2,4-Trichlorobenzene	ND	0.0012	EPA 8260D	11-22-21	11-22-21	
Hexachlorobutadiene	ND	0.0062	EPA 8260D	11-22-21	11-22-21	
Naphthalene	ND	0.0062	EPA 8260D	11-22-21	11-22-21	
1,2,3-Trichlorobenzene	ND	0.0012	EPA 8260D	11-22-21	11-22-21	
Surrogate:	Percent Recovery	Control Limits				
Dibromofluoromethane	107	74-131				
Toluene-d8	98	78-128				

4-Bromofluorobenzene

71-130

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Laboratory Reference: 2111-217

Project: 060172

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				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	CB-14-13-111921					
Laboratory ID:	11-217-27					
Dichlorodifluoromethane	ND	0.0017	EPA 8260D	11-22-21	11-22-21	
Chloromethane	ND	0.0054	EPA 8260D	11-22-21	11-22-21	
Vinyl Chloride	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
Bromomethane	ND	0.0054	EPA 8260D	11-22-21	11-22-21	
Chloroethane	ND	0.0054	EPA 8260D	11-22-21	11-22-21	
Trichlorofluoromethane	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
1,1-Dichloroethene	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
Acetone	0.73	0.011	EPA 8260D	11-22-21	11-22-21	E
lodomethane	ND	0.0054	EPA 8260D	11-22-21	11-22-21	
Carbon Disulfide	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
Methylene Chloride	ND	0.0054	EPA 8260D	11-22-21	11-22-21	
(trans) 1,2-Dichloroethene	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
Methyl t-Butyl Ether	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
1,1-Dichloroethane	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
Vinyl Acetate	ND	0.0054	EPA 8260D	11-22-21	11-22-21	
2,2-Dichloropropane	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
(cis) 1,2-Dichloroethene	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
2-Butanone	0.047	0.0054	EPA 8260D	11-22-21	11-22-21	
Bromochloromethane	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
Chloroform	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
1,1,1-Trichloroethane	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
Carbon Tetrachloride	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
1,1-Dichloropropene	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
Benzene	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
1,2-Dichloroethane	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
Trichloroethene	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
1,2-Dichloropropane	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
Dibromomethane	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
Bromodichloromethane	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
2-Chloroethyl Vinyl Ether	ND	0.0079	EPA 8260D	11-22-21	11-22-21	
(cis) 1,3-Dichloropropene	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
Methyl Isobutyl Ketone	ND	0.0054	EPA 8260D	11-22-21	11-22-21	
Toluene	ND	0.0054	EPA 8260D	11-22-21	11-22-21	
(trans) 1,3-Dichloropropene	ND ND	0.0011	EPA 8260D	11-22-21	11-22-21	

Laboratory Reference: 2111-217

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				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	CB-14-13-111921					
Laboratory ID:	11-217-27					
1,1,2-Trichloroethane	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
Tetrachloroethene	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
1,3-Dichloropropane	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
2-Hexanone	ND	0.0054	EPA 8260D	11-22-21	11-22-21	
Dibromochloromethane	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
1,2-Dibromoethane	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
Chlorobenzene	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
1,1,1,2-Tetrachloroethane	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
Ethylbenzene	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
m,p-Xylene	ND	0.0021	EPA 8260D	11-22-21	11-22-21	
o-Xylene	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
Styrene	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
Bromoform	ND	0.0054	EPA 8260D	11-22-21	11-22-21	
Isopropylbenzene	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
Bromobenzene	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
1,1,2,2-Tetrachloroethane	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
1,2,3-Trichloropropane	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
n-Propylbenzene	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
2-Chlorotoluene	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
4-Chlorotoluene	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
1,3,5-Trimethylbenzene	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
tert-Butylbenzene	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
1,2,4-Trimethylbenzene	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
sec-Butylbenzene	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
1,3-Dichlorobenzene	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
p-Isopropyltoluene	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
1,4-Dichlorobenzene	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
1,2-Dichlorobenzene	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
n-Butylbenzene	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
1,2-Dibromo-3-chloropropane	e ND	0.0054	EPA 8260D	11-22-21	11-22-21	
1,2,4-Trichlorobenzene	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
Hexachlorobutadiene	ND	0.0054	EPA 8260D	11-22-21	11-22-21	
Naphthalene	ND	0.0054	EPA 8260D	11-22-21	11-22-21	
1,2,3-Trichlorobenzene	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
Surrogate:	Percent Recovery	Control Limits				
Dibromofluoromethane	104	74-131				
Toluene-d8	97	78-128				

4-Bromofluorobenzene

71-130

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Laboratory Reference: 2111-217

Project: 060172

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				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	CB-14-21-111921					
Laboratory ID:	11-217-28					
Dichlorodifluoromethane	ND	0.0012	EPA 8260D	11-23-21	11-23-21	
Chloromethane	ND	0.0059	EPA 8260D	11-23-21	11-23-21	
Vinyl Chloride	ND	0.0012	EPA 8260D	11-23-21	11-23-21	
Bromomethane	ND	0.0059	EPA 8260D	11-23-21	11-23-21	
Chloroethane	ND	0.0059	EPA 8260D	11-23-21	11-23-21	
Trichlorofluoromethane	ND	0.0012	EPA 8260D	11-23-21	11-23-21	
1,1-Dichloroethene	ND	0.0012	EPA 8260D	11-23-21	11-23-21	
Acetone	0.37	0.012	EPA 8260D	11-23-21	11-23-21	
Iodomethane	ND	0.0059	EPA 8260D	11-23-21	11-23-21	
Carbon Disulfide	0.0065	0.0012	EPA 8260D	11-23-21	11-23-21	
Methylene Chloride	ND	0.0059	EPA 8260D	11-23-21	11-23-21	
(trans) 1,2-Dichloroethene	ND	0.0012	EPA 8260D	11-23-21	11-23-21	
Methyl t-Butyl Ether	ND	0.0012	EPA 8260D	11-23-21	11-23-21	
1,1-Dichloroethane	ND	0.0012	EPA 8260D	11-23-21	11-23-21	
Vinyl Acetate	ND	0.0075	EPA 8260D	11-23-21	11-23-21	
2,2-Dichloropropane	ND	0.0012	EPA 8260D	11-23-21	11-23-21	
(cis) 1,2-Dichloroethene	ND	0.0012	EPA 8260D	11-23-21	11-23-21	
2-Butanone	0.038	0.0076	EPA 8260D	11-23-21	11-23-21	Υ
Bromochloromethane	ND	0.0012	EPA 8260D	11-23-21	11-23-21	
Chloroform	ND	0.0012	EPA 8260D	11-23-21	11-23-21	
1,1,1-Trichloroethane	ND	0.0012	EPA 8260D	11-23-21	11-23-21	
Carbon Tetrachloride	ND	0.0012	EPA 8260D	11-23-21	11-23-21	
1,1-Dichloropropene	ND	0.0012	EPA 8260D	11-23-21	11-23-21	
Benzene	ND	0.0012	EPA 8260D	11-23-21	11-23-21	
1,2-Dichloroethane	ND	0.0012	EPA 8260D	11-23-21	11-23-21	
Trichloroethene	ND	0.0012	EPA 8260D	11-23-21	11-23-21	
1,2-Dichloropropane	ND	0.0012	EPA 8260D	11-23-21	11-23-21	
Dibromomethane	ND	0.0012	EPA 8260D	11-23-21	11-23-21	
Bromodichloromethane	ND	0.0012	EPA 8260D	11-23-21	11-23-21	
2-Chloroethyl Vinyl Ether	ND	0.0088	EPA 8260D	11-23-21	11-23-21	
(cis) 1,3-Dichloropropene	ND	0.0012	EPA 8260D	11-23-21	11-23-21	
Methyl Isobutyl Ketone	ND	0.0078	EPA 8260D	11-23-21	11-23-21	
Toluene	ND	0.0059	EPA 8260D	11-23-21	11-23-21	
(trans) 1,3-Dichloropropene	· ND	0.0012	EPA 8260D	11-23-21	11-23-21	

Laboratory Reference: 2111-217

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				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	CB-14-21-111921					
Laboratory ID:	11-217-28					
1,1,2-Trichloroethane	ND	0.0012	EPA 8260D	11-23-21	11-23-21	
Tetrachloroethene	ND	0.0012	EPA 8260D	11-23-21	11-23-21	
1,3-Dichloropropane	ND	0.0012	EPA 8260D	11-23-21	11-23-21	
2-Hexanone	ND	0.0094	EPA 8260D	11-23-21	11-23-21	
Dibromochloromethane	ND	0.0012	EPA 8260D	11-23-21	11-23-21	
1,2-Dibromoethane	ND	0.0012	EPA 8260D	11-23-21	11-23-21	
Chlorobenzene	ND	0.0012	EPA 8260D	11-23-21	11-23-21	
1,1,1,2-Tetrachloroethane	ND	0.0012	EPA 8260D	11-23-21	11-23-21	
Ethylbenzene	ND	0.0012	EPA 8260D	11-23-21	11-23-21	
n,p-Xylene	ND	0.0024	EPA 8260D	11-23-21	11-23-21	
o-Xylene	ND	0.0012	EPA 8260D	11-23-21	11-23-21	
Styrene	ND	0.0012	EPA 8260D	11-23-21	11-23-21	
- Bromoform	ND	0.0059	EPA 8260D	11-23-21	11-23-21	
sopropylbenzene	0.0035	0.0012	EPA 8260D	11-23-21	11-23-21	
Bromobenzene	ND	0.0012	EPA 8260D	11-23-21	11-23-21	
,1,2,2-Tetrachloroethane	ND	0.0017	EPA 8260D	11-23-21	11-23-21	
,2,3-Trichloropropane	ND	0.0018	EPA 8260D	11-23-21	11-23-21	
n-Propylbenzene	0.0086	0.0012	EPA 8260D	11-23-21	11-23-21	
2-Chlorotoluene	ND	0.0012	EPA 8260D	11-23-21	11-23-21	
l-Chlorotoluene	ND	0.0012	EPA 8260D	11-23-21	11-23-21	
1,3,5-Trimethylbenzene	0.0013	0.0012	EPA 8260D	11-23-21	11-23-21	
ert-Butylbenzene	0.0020	0.0012	EPA 8260D	11-23-21	11-23-21	
,2,4-Trimethylbenzene	0.0090	0.0012	EPA 8260D	11-23-21	11-23-21	
sec-Butylbenzene	0.035	0.0012	EPA 8260D	11-23-21	11-23-21	
,3-Dichlorobenzene	ND	0.0012	EPA 8260D	11-23-21	11-23-21	
o-Isopropyltoluene	0.0015	0.0012	EPA 8260D	11-23-21	11-23-21	
I,4-Dichlorobenzene	ND	0.0012	EPA 8260D	11-23-21	11-23-21	
,2-Dichlorobenzene	0.0021	0.0012	EPA 8260D	11-23-21	11-23-21	
n-Butylbenzene	0.018	0.0012	EPA 8260D	11-23-21	11-23-21	
I,2-Dibromo-3-chloropropane		0.0078	EPA 8260D	11-23-21	11-23-21	
,2,4-Trichlorobenzene	ND	0.0012	EPA 8260D	11-23-21	11-23-21	
lexachlorobutadiene	ND	0.0059	EPA 8260D	11-23-21	11-23-21	
Naphthalene	0.0091	0.0075	EPA 8260D	11-23-21	11-23-21	Υ
1,2,3-Trichlorobenzene	ND	0.0012	EPA 8260D	11-23-21	11-23-21	•
Surrogate:	Percent Recovery	Control Limits			· · = v = ·	
Dibromofluoromethane	85	74-131				
Toluene-d8	100	78-128				

I oluene-d8 78-128 90 71-130 4-Bromofluorobenzene



Laboratory Reference: 2111-217

Project: 060172

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				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	CB-14-22-111921					
Laboratory ID:	11-217-29					
Dichlorodifluoromethane	ND	0.0018	EPA 8260D	11-23-21	11-24-21	
Chloromethane	ND	0.0069	EPA 8260D	11-23-21	11-24-21	
Vinyl Chloride	ND	0.0014	EPA 8260D	11-23-21	11-24-21	
Bromomethane	ND	0.0069	EPA 8260D	11-23-21	11-24-21	
Chloroethane	ND	0.0069	EPA 8260D	11-23-21	11-24-21	
Trichlorofluoromethane	ND	0.0014	EPA 8260D	11-23-21	11-24-21	
1,1-Dichloroethene	ND	0.0014	EPA 8260D	11-23-21	11-24-21	
Acetone	0.29	0.021	EPA 8260D	11-23-21	11-24-21	Υ
Iodomethane	ND	0.0069	EPA 8260D	11-23-21	11-24-21	
Carbon Disulfide	0.0042	0.0014	EPA 8260D	11-23-21	11-24-21	
Methylene Chloride	ND	0.0088	EPA 8260D	11-23-21	11-24-21	
(trans) 1,2-Dichloroethene	ND	0.0014	EPA 8260D	11-23-21	11-24-21	
Methyl t-Butyl Ether	ND	0.0018	EPA 8260D	11-23-21	11-24-21	
1,1-Dichloroethane	ND	0.0014	EPA 8260D	11-23-21	11-24-21	
Vinyl Acetate	ND	0.012	EPA 8260D	11-23-21	11-24-21	
2,2-Dichloropropane	ND	0.0014	EPA 8260D	11-23-21	11-24-21	
(cis) 1,2-Dichloroethene	ND	0.0014	EPA 8260D	11-23-21	11-24-21	
2-Butanone	0.035	0.013	EPA 8260D	11-23-21	11-24-21	Υ
Bromochloromethane	ND	0.0014	EPA 8260D	11-23-21	11-24-21	
Chloroform	ND	0.0014	EPA 8260D	11-23-21	11-24-21	
1,1,1-Trichloroethane	ND	0.0014	EPA 8260D	11-23-21	11-24-21	
Carbon Tetrachloride	ND	0.0014	EPA 8260D	11-23-21	11-24-21	
1,1-Dichloropropene	ND	0.0014	EPA 8260D	11-23-21	11-24-21	
Benzene	ND	0.0014	EPA 8260D	11-23-21	11-24-21	
1,2-Dichloroethane	ND	0.0014	EPA 8260D	11-23-21	11-24-21	
Trichloroethene	ND	0.0014	EPA 8260D	11-23-21	11-24-21	
1,2-Dichloropropane	ND	0.0014	EPA 8260D	11-23-21	11-24-21	
Dibromomethane	ND	0.0014	EPA 8260D	11-23-21	11-24-21	
Bromodichloromethane	ND	0.0014	EPA 8260D	11-23-21	11-24-21	
2-Chloroethyl Vinyl Ether	ND	0.016	EPA 8260D	11-23-21	11-24-21	
(cis) 1,3-Dichloropropene	ND	0.0014	EPA 8260D	11-23-21	11-24-21	
Methyl Isobutyl Ketone	ND	0.012	EPA 8260D	11-23-21	11-24-21	
Toluene	ND	0.0069	EPA 8260D	11-23-21	11-24-21	
(trans) 1,3-Dichloropropene	ND	0.0014	EPA 8260D	11-23-21	11-24-21	

Laboratory Reference: 2111-217

Project: 060172

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				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	CB-14-22-111921					
Laboratory ID:	11-217-29					
1,1,2-Trichloroethane	ND	0.0014	EPA 8260D	11-23-21	11-24-21	
Tetrachloroethene	ND	0.0014	EPA 8260D	11-23-21	11-24-21	
1,3-Dichloropropane	ND	0.0014	EPA 8260D	11-23-21	11-24-21	
2-Hexanone	ND	0.013	EPA 8260D	11-23-21	11-24-21	
Dibromochloromethane	ND	0.0014	EPA 8260D	11-23-21	11-24-21	
1,2-Dibromoethane	ND	0.0014	EPA 8260D	11-23-21	11-24-21	
Chlorobenzene	ND	0.0014	EPA 8260D	11-23-21	11-24-21	
1,1,1,2-Tetrachloroethane	ND	0.0014	EPA 8260D	11-23-21	11-24-21	
Ethylbenzene	ND	0.0014	EPA 8260D	11-23-21	11-24-21	
m,p-Xylene	0.0039	0.0027	EPA 8260D	11-23-21	11-24-21	
o-Xylene	ND	0.0014	EPA 8260D	11-23-21	11-24-21	
Styrene	ND	0.0014	EPA 8260D	11-23-21	11-24-21	
Bromoform	ND	0.0069	EPA 8260D	11-23-21	11-24-21	
Isopropylbenzene	0.0086	0.0014	EPA 8260D	11-23-21	11-24-21	
Bromobenzene	ND	0.0014	EPA 8260D	11-23-21	11-24-21	
1,1,2,2-Tetrachloroethane	ND	0.0014	EPA 8260D	11-23-21	11-24-21	
1,2,3-Trichloropropane	ND	0.0018	EPA 8260D	11-23-21	11-24-21	
n-Propylbenzene	0.021	0.0014	EPA 8260D	11-23-21	11-24-21	
2-Chlorotoluene	ND	0.0014	EPA 8260D	11-23-21	11-24-21	
4-Chlorotoluene	ND	0.0014	EPA 8260D	11-23-21	11-24-21	
1,3,5-Trimethylbenzene	0.0024	0.0014	EPA 8260D	11-23-21	11-24-21	
tert-Butylbenzene	0.0054	0.0014	EPA 8260D	11-23-21	11-24-21	
1,2,4-Trimethylbenzene	0.019	0.0014	EPA 8260D	11-23-21	11-24-21	
sec-Butylbenzene	0.086	0.0014	EPA 8260D	11-23-21	11-24-21	
1,3-Dichlorobenzene	ND	0.0014	EPA 8260D	11-23-21	11-24-21	
p-Isopropyltoluene	0.0015	0.0014	EPA 8260D	11-23-21	11-24-21	
1,4-Dichlorobenzene	ND	0.0014	EPA 8260D	11-23-21	11-24-21	
1,2-Dichlorobenzene	0.0072	0.0014	EPA 8260D	11-23-21	11-24-21	
n-Butylbenzene	0.029	0.0014	EPA 8260D	11-23-21	11-24-21	
1,2-Dibromo-3-chloropropane	e ND	0.0096	EPA 8260D	11-23-21	11-24-21	
1,2,4-Trichlorobenzene	ND	0.0014	EPA 8260D	11-23-21	11-24-21	
Hexachlorobutadiene	ND	0.0069	EPA 8260D	11-23-21	11-24-21	
Naphthalene	0.010	0.0069	EPA 8260D	11-23-21	11-24-21	
1,2,3-Trichlorobenzene	ND	0.0014	EPA 8260D	11-23-21	11-24-21	
Surrogate:	Percent Recovery	Control Limits				
Dibromofluoromethane	98	74-131				
Toluene-d8	97	78-128				

4-Bromofluorobenzene

71-130

84

Laboratory Reference: 2111-217

Project: 060172

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				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	CB-12-5-111921					
Laboratory ID:	11-217-30					
Dichlorodifluoromethane	ND	0.0015	EPA 8260D	11-22-21	11-22-21	
Chloromethane	ND	0.0045	EPA 8260D	11-22-21	11-22-21	
Vinyl Chloride	ND	0.00091	EPA 8260D	11-22-21	11-22-21	
Bromomethane	ND	0.0045	EPA 8260D	11-22-21	11-22-21	
Chloroethane	ND	0.0045	EPA 8260D	11-22-21	11-22-21	
Trichlorofluoromethane	ND	0.00091	EPA 8260D	11-22-21	11-22-21	
1,1-Dichloroethene	ND	0.00091	EPA 8260D	11-22-21	11-22-21	
Acetone	0.16	0.0091	EPA 8260D	11-22-21	11-22-21	
lodomethane	ND	0.0045	EPA 8260D	11-22-21	11-22-21	
Carbon Disulfide	ND	0.00091	EPA 8260D	11-22-21	11-22-21	
Methylene Chloride	ND	0.0045	EPA 8260D	11-22-21	11-22-21	
(trans) 1,2-Dichloroethene	ND	0.00091	EPA 8260D	11-22-21	11-22-21	
Methyl t-Butyl Ether	ND	0.00091	EPA 8260D	11-22-21	11-22-21	
1,1-Dichloroethane	ND	0.00091	EPA 8260D	11-22-21	11-22-21	
Vinyl Acetate	ND	0.0045	EPA 8260D	11-22-21	11-22-21	
2,2-Dichloropropane	ND	0.00091	EPA 8260D	11-22-21	11-22-21	
(cis) 1,2-Dichloroethene	ND	0.00091	EPA 8260D	11-22-21	11-22-21	
2-Butanone	0.010	0.0045	EPA 8260D	11-22-21	11-22-21	
Bromochloromethane	ND	0.00091	EPA 8260D	11-22-21	11-22-21	
Chloroform	ND	0.00091	EPA 8260D	11-22-21	11-22-21	
1,1,1-Trichloroethane	ND	0.00091	EPA 8260D	11-22-21	11-22-21	
Carbon Tetrachloride	ND	0.00091	EPA 8260D	11-22-21	11-22-21	
1,1-Dichloropropene	ND	0.00091	EPA 8260D	11-22-21	11-22-21	
Benzene	ND	0.00091	EPA 8260D	11-22-21	11-22-21	
1,2-Dichloroethane	ND	0.00091	EPA 8260D	11-22-21	11-22-21	
Trichloroethene	ND	0.00091	EPA 8260D	11-22-21	11-22-21	
1,2-Dichloropropane	ND	0.00091	EPA 8260D	11-22-21	11-22-21	
Dibromomethane	ND	0.00091	EPA 8260D	11-22-21	11-22-21	
Bromodichloromethane	ND	0.00091	EPA 8260D	11-22-21	11-22-21	
2-Chloroethyl Vinyl Ether	ND	0.0067	EPA 8260D	11-22-21	11-22-21	
(cis) 1,3-Dichloropropene	ND	0.00091	EPA 8260D	11-22-21	11-22-21	
Methyl Isobutyl Ketone	ND	0.0045	EPA 8260D	11-22-21	11-22-21	
Toluene	ND	0.0045	EPA 8260D	11-22-21	11-22-21	
(trans) 1,3-Dichloropropene	ND	0.00091	EPA 8260D	11-22-21	11-22-21	

Laboratory Reference: 2111-217

Project: 060172

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				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	CB-12-5-111921					
Laboratory ID:	11-217-30					
1,1,2-Trichloroethane	ND	0.00091	EPA 8260D	11-22-21	11-22-21	
Tetrachloroethene	0.0019	0.00091	EPA 8260D	11-22-21	11-22-21	
1,3-Dichloropropane	ND	0.00091	EPA 8260D	11-22-21	11-22-21	
2-Hexanone	ND	0.0045	EPA 8260D	11-22-21	11-22-21	
Dibromochloromethane	ND	0.00091	EPA 8260D	11-22-21	11-22-21	
1,2-Dibromoethane	ND	0.00091	EPA 8260D	11-22-21	11-22-21	
Chlorobenzene	ND	0.00091	EPA 8260D	11-22-21	11-22-21	
1,1,1,2-Tetrachloroethane	ND	0.00091	EPA 8260D	11-22-21	11-22-21	
Ethylbenzene	ND	0.00091	EPA 8260D	11-22-21	11-22-21	
m,p-Xylene	ND	0.0018	EPA 8260D	11-22-21	11-22-21	
o-Xylene	ND	0.00091	EPA 8260D	11-22-21	11-22-21	
Styrene	ND	0.00091	EPA 8260D	11-22-21	11-22-21	
Bromoform	ND	0.0045	EPA 8260D	11-22-21	11-22-21	
Isopropylbenzene	ND	0.00091	EPA 8260D	11-22-21	11-22-21	
Bromobenzene	ND	0.00091	EPA 8260D	11-22-21	11-22-21	
1,1,2,2-Tetrachloroethane	ND	0.00091	EPA 8260D	11-22-21	11-22-21	
1,2,3-Trichloropropane	ND	0.00091	EPA 8260D	11-22-21	11-22-21	
n-Propylbenzene	ND	0.00091	EPA 8260D	11-22-21	11-22-21	
2-Chlorotoluene	ND	0.00091	EPA 8260D	11-22-21	11-22-21	
4-Chlorotoluene	ND	0.00091	EPA 8260D	11-22-21	11-22-21	
1,3,5-Trimethylbenzene	ND	0.00091	EPA 8260D	11-22-21	11-22-21	
tert-Butylbenzene	ND	0.00091	EPA 8260D	11-22-21	11-22-21	
1,2,4-Trimethylbenzene	ND	0.00091	EPA 8260D	11-22-21	11-22-21	
sec-Butylbenzene	ND	0.00091	EPA 8260D	11-22-21	11-22-21	
1,3-Dichlorobenzene	ND	0.00091	EPA 8260D	11-22-21	11-22-21	
o-Isopropyltoluene	ND	0.00091	EPA 8260D	11-22-21	11-22-21	
1,4-Dichlorobenzene	ND	0.00091	EPA 8260D	11-22-21	11-22-21	
1,2-Dichlorobenzene	ND	0.00091	EPA 8260D	11-22-21	11-22-21	
n-Butylbenzene	ND	0.00091	EPA 8260D	11-22-21	11-22-21	
1,2-Dibromo-3-chloropropane	e ND	0.0045	EPA 8260D	11-22-21	11-22-21	
1,2,4-Trichlorobenzene	ND	0.00091	EPA 8260D	11-22-21	11-22-21	
Hexachlorobutadiene	ND	0.0045	EPA 8260D	11-22-21	11-22-21	
Naphthalene	ND	0.0045	EPA 8260D	11-22-21	11-22-21	
1,2,3-Trichlorobenzene	ND	0.00091	EPA 8260D	11-22-21	11-22-21	
Surrogate:	Percent Recovery	Control Limits				
Dibromofluoromethane	104	74-131				
Toluene-d8	96	78-128				

4-Bromofluorobenzene

71-130

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Laboratory Reference: 2111-217

Project: 060172

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onits. mg/kg				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	CB-12-13-111921					
Laboratory ID:	11-217-31					
Dichlorodifluoromethane	ND	0.0013	EPA 8260D	11-22-21	11-22-21	
Chloromethane	ND	0.0041	EPA 8260D	11-22-21	11-22-21	
Vinyl Chloride	ND	0.00082	EPA 8260D	11-22-21	11-22-21	
Bromomethane	ND	0.0041	EPA 8260D	11-22-21	11-22-21	
Chloroethane	ND	0.0041	EPA 8260D	11-22-21	11-22-21	
Trichlorofluoromethane	ND	0.00082	EPA 8260D	11-22-21	11-22-21	
1,1-Dichloroethene	ND	0.00082	EPA 8260D	11-22-21	11-22-21	
Acetone	0.16	0.0082	EPA 8260D	11-22-21	11-22-21	
lodomethane	ND	0.0041	EPA 8260D	11-22-21	11-22-21	
Carbon Disulfide	ND	0.00082	EPA 8260D	11-22-21	11-22-21	
Methylene Chloride	ND	0.0041	EPA 8260D	11-22-21	11-22-21	
(trans) 1,2-Dichloroethene	ND	0.00082	EPA 8260D	11-22-21	11-22-21	
Methyl t-Butyl Ether	ND	0.00082	EPA 8260D	11-22-21	11-22-21	
1,1-Dichloroethane	ND	0.00082	EPA 8260D	11-22-21	11-22-21	
Vinyl Acetate	ND	0.0041	EPA 8260D	11-22-21	11-22-21	
2,2-Dichloropropane	ND	0.00082	EPA 8260D	11-22-21	11-22-21	
(cis) 1,2-Dichloroethene	ND	0.00082	EPA 8260D	11-22-21	11-22-21	
2-Butanone	0.012	0.0041	EPA 8260D	11-22-21	11-22-21	
Bromochloromethane	ND	0.00082	EPA 8260D	11-22-21	11-22-21	
Chloroform	ND	0.00082	EPA 8260D	11-22-21	11-22-21	
1,1,1-Trichloroethane	ND	0.00082	EPA 8260D	11-22-21	11-22-21	
Carbon Tetrachloride	ND	0.00082	EPA 8260D	11-22-21	11-22-21	
1,1-Dichloropropene	ND	0.00082	EPA 8260D	11-22-21	11-22-21	
Benzene	ND	0.00082	EPA 8260D	11-22-21	11-22-21	
1,2-Dichloroethane	ND	0.00082	EPA 8260D	11-22-21	11-22-21	
Trichloroethene	ND	0.00082	EPA 8260D	11-22-21	11-22-21	
1,2-Dichloropropane	ND	0.00082	EPA 8260D	11-22-21	11-22-21	
Dibromomethane	ND	0.00082	EPA 8260D	11-22-21	11-22-21	
Bromodichloromethane	ND	0.00082	EPA 8260D	11-22-21	11-22-21	
2-Chloroethyl Vinyl Ether	ND	0.0061	EPA 8260D	11-22-21	11-22-21	
(cis) 1,3-Dichloropropene	ND	0.00082	EPA 8260D	11-22-21	11-22-21	
Methyl Isobutyl Ketone	ND	0.0041	EPA 8260D	11-22-21	11-22-21	
Toluene	ND	0.0041	EPA 8260D	11-22-21	11-22-21	
(trans) 1,3-Dichloropropene		0.00082	EPA 8260D	11-22-21	11-22-21	

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Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
	CB-12-13-111921					
Laboratory ID:	11-217-31					
1,1,2-Trichloroethane	ND	0.00082	EPA 8260D	11-22-21	11-22-21	
Tetrachloroethene	ND	0.00082	EPA 8260D	11-22-21	11-22-21	
1,3-Dichloropropane	ND	0.00082	EPA 8260D	11-22-21	11-22-21	
2-Hexanone	ND	0.0041	EPA 8260D	11-22-21	11-22-21	
Dibromochloromethane	ND	0.00082	EPA 8260D	11-22-21	11-22-21	
1,2-Dibromoethane	ND	0.00082	EPA 8260D	11-22-21	11-22-21	
Chlorobenzene	ND	0.00082	EPA 8260D	11-22-21	11-22-21	
1,1,1,2-Tetrachloroethane	ND	0.00082	EPA 8260D	11-22-21	11-22-21	
Ethylbenzene	ND	0.00082	EPA 8260D	11-22-21	11-22-21	
m,p-Xylene	ND	0.0016	EPA 8260D	11-22-21	11-22-21	
o-Xylene	ND	0.00082	EPA 8260D	11-22-21	11-22-21	
Styrene	ND	0.00082	EPA 8260D	11-22-21	11-22-21	
Bromoform	ND	0.0041	EPA 8260D	11-22-21	11-22-21	
Isopropylbenzene	ND	0.00082	EPA 8260D	11-22-21	11-22-21	
Bromobenzene	ND	0.00082	EPA 8260D	11-22-21	11-22-21	
1,1,2,2-Tetrachloroethane	ND	0.00082	EPA 8260D	11-22-21	11-22-21	
1,2,3-Trichloropropane	ND	0.00082	EPA 8260D	11-22-21	11-22-21	
n-Propylbenzene	ND	0.00082	EPA 8260D	11-22-21	11-22-21	
2-Chlorotoluene	ND	0.00082	EPA 8260D	11-22-21	11-22-21	
4-Chlorotoluene	ND	0.00082	EPA 8260D	11-22-21	11-22-21	
1,3,5-Trimethylbenzene	ND	0.00082	EPA 8260D	11-22-21	11-22-21	
tert-Butylbenzene	ND	0.00082	EPA 8260D	11-22-21	11-22-21	
1,2,4-Trimethylbenzene	ND	0.00082	EPA 8260D	11-22-21	11-22-21	
sec-Butylbenzene	ND	0.00082	EPA 8260D	11-22-21	11-22-21	
1,3-Dichlorobenzene	ND	0.00082	EPA 8260D	11-22-21	11-22-21	
p-Isopropyltoluene	ND	0.00082	EPA 8260D	11-22-21	11-22-21	
1,4-Dichlorobenzene	ND	0.00082	EPA 8260D	11-22-21	11-22-21	
1,2-Dichlorobenzene	ND	0.00082	EPA 8260D	11-22-21	11-22-21	
n-Butylbenzene	ND	0.00082	EPA 8260D	11-22-21	11-22-21	
1,2-Dibromo-3-chloropropane		0.0041	EPA 8260D	11-22-21	11-22-21	
1,2,4-Trichlorobenzene	ND	0.00082	EPA 8260D	11-22-21	11-22-21	
Hexachlorobutadiene	ND	0.0041	EPA 8260D	11-22-21	11-22-21	
Naphthalene	ND	0.0041	EPA 8260D	11-22-21	11-22-21	
1,2,3-Trichlorobenzene	ND	0.00082	EPA 8260D	11-22-21	11-22-21	
Surrogate:	Percent Recovery	Control Limits				
Dibromofluoromethane	108	74-131				
Toluene-d8	99	7 4 -131 78-128				
1 Oluene-uo 1-Bromofluorohenzene	99	70-120 71-130				



Laboratory Reference: 2111-217

Project: 060172

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Client ID:					Date	Date	
Dichlorodifluoromethane	Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Dichlorodifluoromethane	Client ID:	CB-12-17-111921					
Chloromethane ND 0.0069 EPA 8260D 11-22-21 <	Laboratory ID:	11-217-32					
Vinyl Chloride ND 0.0014 EPA 8260D 11-22-21 11-22-21 Bromomethane ND 0.0069 EPA 8260D 11-22-21 11-22-21 Chloroethane ND 0.0069 EPA 8260D 11-22-21 11-22-21 Trichlorofluoromethane ND 0.0014 EPA 8260D 11-22-21 11-22-21 1,1-Dichloroethene ND 0.0014 EPA 8260D 11-22-21 11-22-21 Acetone 0.73 0.014 EPA 8260D 11-22-21 11-22-21 E Iodomethane ND 0.0069 EPA 8260D 11-22-21 11-22-21 E Carbon Disulfide 0.0018 0.0014 EPA 8260D 11-22-21 11-22-21 E Methylene Chloride ND 0.0069 EPA 8260D 11-22-21 11-22-21 11-22-21 Methyl Ether ND 0.0014 EPA 8260D 11-22-21 11-22-21 Vinyl Acetate ND 0.0014 EPA 8260D 11-22-21 11-22-21 Vinyl Acetate	Dichlorodifluoromethane	ND	0.0022	EPA 8260D	11-22-21	11-22-21	
Bromomethane ND 0.0069 EPA 8260D 11-22-21 1	Chloromethane	ND	0.0069	EPA 8260D	11-22-21	11-22-21	
Chloroethane ND 0.0069 EPA 8260D 11-22-21 11-22-21 Trichlorofluoromethane ND 0.0014 EPA 8260D 11-22-21 11-22-21 1,1-Dichloroethene ND 0.0014 EPA 8260D 11-22-21 11-22-21 Acetone 0.73 0.014 EPA 8260D 11-22-21 11-22-21 E Iodomethane ND 0.0069 EPA 8260D 11-22-21 11-22-21 E Carbon Disulfide 0.0018 0.0014 EPA 8260D 11-22-21 11-22-21 E Methylene Chloride ND 0.0069 EPA 8260D 11-22-21 11	Vinyl Chloride	ND	0.0014	EPA 8260D	11-22-21	11-22-21	
Trichlorofluoromethane ND 0.0014 EPA 8260D 11-22-21 11-22-21 1,1-Dichloroethene ND 0.0014 EPA 8260D 11-22-21 11-22-21 E Acetone 0.73 0.014 EPA 8260D 11-22-21 11-22-21 E Iodomethane ND 0.0069 EPA 8260D 11-22-21 11-22-21 E Carbon Disulfide 0.0018 0.0014 EPA 8260D 11-22-21 11-22-21 I1-22-21 Methylene Chloride ND 0.0069 EPA 8260D 11-22-21 11-22-21 I1-22-21 Methyl t-Butyl Ether ND 0.0014 EPA 8260D 11-22-21 11-22-21 I1-22-21	Bromomethane	ND	0.0069	EPA 8260D	11-22-21	11-22-21	
1,1-Dichloroethene ND 0.0014 EPA 8260D 11-22-21 11-22-21 Acetone Acetone 0.73 0.014 EPA 8260D 11-22-21 11-22-21 E Iodomethane ND 0.0069 EPA 8260D 11-22-21 11-22-21 11-22-21 Carbon Disulfide 0.0018 0.0014 EPA 8260D 11-22-21 11-22-21 11-22-21 Methylene Chloride ND 0.0014 EPA 8260D 11-22-21 11-22-21 Methyl t-Butyl Ether ND 0.0014 EPA 8260D 11-22-21 11-22-21 Methyl t-Butyl Ether ND 0.0014 EPA 8260D 11-22-21 11-22-21 Methyl t-Butyl Ether ND 0.0014 EPA 8260D 11-22-21 11-22-21 Methyl t-Butyl Ether ND 0.0014 EPA 8260D 11-22-21 11-22-21 Methyl t-Butyl Ether ND 0.0014 EPA 8260D 11-22-21 11-22-21 1,1-Dichloroethane ND 0.0014 EPA 8260D 11-22-21 11-22-21 <	Chloroethane	ND	0.0069	EPA 8260D	11-22-21	11-22-21	
Acetone	Trichlorofluoromethane	ND	0.0014	EPA 8260D	11-22-21	11-22-21	
ND	1,1-Dichloroethene	ND	0.0014	EPA 8260D	11-22-21	11-22-21	
Carbon Disulfide 0.0018 0.0014 EPA 8260D 11-22-21 11-22-21 Methylene Chloride ND 0.0069 EPA 8260D 11-22-21 11-22-21 Methyl t-Butyl Ether ND 0.0014 EPA 8260D 11-22-21 11-22-21 Methyl t-Butyl Ether ND 0.0014 EPA 8260D 11-22-21 11-22-21 1,1-Dichloroethane ND 0.0014 EPA 8260D 11-22-21 11-22-21 1,1-Dichloropthane ND 0.0069 EPA 8260D 11-22-21 11-22-21 2,2-Dichloropropane ND 0.0014 EPA 8260D 11-22-21 11-22-21 2,2-Dichloroptopane ND 0.0014 EPA 8260D 11-22-21 11-22-21 2,2-Dichloroptopane ND 0.0014 EPA 8260D 11-22-21 11-22-21 2,2-Dichloroptopane ND 0.0014 EPA 8260D 11-22-21 11-22-21 2-Butanone 0.095 0.0069 EPA 8260D 11-22-21 11-22-21 2-Butyloroptopane ND 0.001	Acetone	0.73	0.014	EPA 8260D	11-22-21	11-22-21	Е
Methylene Chloride ND 0.0069 EPA 8260D 11-22-21 11-22-21 (trans) 1,2-Dichloroethene ND 0.0014 EPA 8260D 11-22-21 11-22-21 Methyl t-Butyl Ether ND 0.0014 EPA 8260D 11-22-21 11-22-21 1,1-Dichloroethane ND 0.0014 EPA 8260D 11-22-21 11-22-21 Vinyl Acetate ND 0.0069 EPA 8260D 11-22-21 11-22-21 2,2-Dichloropropane ND 0.0014 EPA 8260D 11-22-21 11-22-21 2,2-Dichloroethene ND 0.0014 EPA 8260D 11-22-21 11-22-21 2,2-Dichloroethene ND 0.0014 EPA 8260D 11-22-21 11-22-21 2,2-Dichloroethene ND 0.0014 EPA 8260D 11-22-21 11-22-21 2,2-Dichloroethane ND 0.0014 EPA 8260D 11-22-21 11-22-21 Bromochloromethane ND 0.0014 EPA 8260D 11-22-21 11-22-21 Carbon Tetrachloride ND 0	lodomethane	ND	0.0069	EPA 8260D	11-22-21	11-22-21	
(trans) 1,2-Dichloroethene ND 0.0014 EPA 8260D 11-22-21 11-22-21 Methyl t-Butyl Ether ND 0.0014 EPA 8260D 11-22-21 11-22-21 1,1-Dichloroethane ND 0.0014 EPA 8260D 11-22-21 11-22-21 Vinyl Acetate ND 0.0069 EPA 8260D 11-22-21 11-22-21 2,2-Dichloropropane ND 0.0014 EPA 8260D 11-22-21 11-22-21 (cis) 1,2-Dichloroethene ND 0.0014 EPA 8260D 11-22-21 11-22-21 2-Butanone 0.095 0.0069 EPA 8260D 11-22-21 11-22-21 Bromochloromethane ND 0.0014 EPA 8260D 11-22-21 11-22-21 Chloroform ND 0.0014 EPA 8260D<	Carbon Disulfide	0.0018	0.0014	EPA 8260D	11-22-21	11-22-21	
Methyl t-Butyl Ether ND 0.0014 EPA 8260D 11-22-21 11-22-21 1,1-Dichloroethane ND 0.0014 EPA 8260D 11-22-21 11-22-21 Vinyl Acetate ND 0.0069 EPA 8260D 11-22-21 11-22-21 2,2-Dichloropropane ND 0.0014 EPA 8260D 11-22-21 11-22-21 (cis) 1,2-Dichloroethene ND 0.0014 EPA 8260D 11-22-21 11-22-21 2-Butanone 0.095 0.0069 EPA 8260D 11-22-21 11-22-21 Bromochloromethane ND 0.0014 EPA 8260D 11-22-21 11-22-21 Chloroform ND 0.0014 EPA 8260D 11-22-21 11-22-21 Carbon Tetrachloride ND 0.0014 EPA 8260D	Methylene Chloride	ND	0.0069	EPA 8260D	11-22-21	11-22-21	
1,1-Dichloroethane ND 0.0014 EPA 8260D 11-22-21 11-22-21 Vinyl Acetate ND 0.0069 EPA 8260D 11-22-21 11-22-21 2,2-Dichloropropane ND 0.0014 EPA 8260D 11-22-21 11-22-21 (cis) 1,2-Dichloroethene ND 0.0014 EPA 8260D 11-22-21 11-22-21 2-Butanone 0.095 0.0069 EPA 8260D 11-22-21 11-22-21 2-Butanone ND 0.0014 EPA 8260D 11-22-21 11-22-21 Bromochloromethane ND 0.0014 EPA 8260D 11-22-21 11-22-21 Chloroform ND 0.0014 EPA 8260D 11-22-21 11-22-21 1,1,1-Trichloroethane ND 0.0014 EPA 8260D 11-22-21 11-22-21 Carbon Tetrachloride ND 0.0014 EPA 8260D 11-22-21 11-22-21 1,1-Dichloropropene ND 0.0014 EPA 8260D 11-22-21 11-22-21 1,2-Dichloroethane ND 0.0014 <t< td=""><td>(trans) 1,2-Dichloroethene</td><td>ND</td><td>0.0014</td><td>EPA 8260D</td><td>11-22-21</td><td>11-22-21</td><td></td></t<>	(trans) 1,2-Dichloroethene	ND	0.0014	EPA 8260D	11-22-21	11-22-21	
Vinyl Acetate ND 0.0069 EPA 8260D 11-22-21 11-22-21 2,2-Dichloropropane ND 0.0014 EPA 8260D 11-22-21 11-22-21 (cis) 1,2-Dichloroethene ND 0.0014 EPA 8260D 11-22-21 11-22-21 2-Butanone 0.095 0.0069 EPA 8260D 11-22-21 11-22-21 Bromochloromethane ND 0.0014 EPA 8260D 11-22-21 11-22-21 Chloroform ND 0.0014 EPA 8260D 11-22-21 11-22-21 Carbon Tetrachloride ND 0.0014 EPA 8260D 11-22-21 11-22-21 1,1-Dichloropropene ND 0.0014 EPA 8260D 11-22-21 11-22-21 1,2-Dichloroethane ND 0.0014 EPA 8260D	Methyl t-Butyl Ether	ND	0.0014	EPA 8260D	11-22-21	11-22-21	
2,2-Dichloropropane ND 0.0014 EPA 8260D 11-22-21 11-22-21 (cis) 1,2-Dichloroethene ND 0.0014 EPA 8260D 11-22-21 11-22-21 2-Butanone 0.095 0.0069 EPA 8260D 11-22-21 11-22-21 Bromochloromethane ND 0.0014 EPA 8260D 11-22-21 11-22-21 Chloroform ND 0.0014 EPA 8260D 11-22-21 11-22-21 Carbon Tetrachloride ND 0.0014 EPA 8260D 11-22-21 11-22-21 Carbon Tetrachloride ND 0.0014 EPA 8260D 11-22-21 11-22-21 1,1-Dichloropropene ND 0.0014 EPA 8260D 11-22-21 11-22-21 1,2-Dichloroethane ND 0.0014 EPA 8260D<	1,1-Dichloroethane	ND	0.0014	EPA 8260D	11-22-21	11-22-21	
(cis) 1,2-Dichloroethene ND 0.0014 EPA 8260D 11-22-21 11-22-21 2-Butanone 0.095 0.0069 EPA 8260D 11-22-21 11-22-21 Bromochloromethane ND 0.0014 EPA 8260D 11-22-21 11-22-21 Chloroform ND 0.0014 EPA 8260D 11-22-21 11-22-21 1,1,1-Trichloroethane ND 0.0014 EPA 8260D 11-22-21 11-22-21 Carbon Tetrachloride ND 0.0014 EPA 8260D 11-22-21 11-22-21 Carbon Tetrachloride ND 0.0014 EPA 8260D 11-22-21 11-22-21 1,1-Dichloropropene ND 0.0014 EPA 8260D 11-22-21 11-22-21 1,2-Dichloroethane ND 0.0014 EPA 8260D 11-22-21 11-22-21 1,2-Dichloropropane ND 0.0014 EPA 8260D 11-22-21 11-22-21 1,2-Dichloropropane ND 0.0014 EPA 8260D 11-22-21 11-22-21 Dibromomethane ND 0.0014 <td>Vinyl Acetate</td> <td>ND</td> <td>0.0069</td> <td>EPA 8260D</td> <td>11-22-21</td> <td>11-22-21</td> <td></td>	Vinyl Acetate	ND	0.0069	EPA 8260D	11-22-21	11-22-21	
2-Butanone 0.095 0.0069 EPA 8260D 11-22-21 11-22-21 Bromochloromethane ND 0.0014 EPA 8260D 11-22-21 11-22-21 Chloroform ND 0.0014 EPA 8260D 11-22-21 11-22-21 1,1,1-Trichloroethane ND 0.0014 EPA 8260D 11-22-21 11-22-21 1,1-Dichloropropene ND 0.0014 EPA 8260D 11-22-21 11-22-21 1,1-Dichloropropene ND 0.0014 EPA 8260D 11-22-21 11-22-21 1,2-Dichloropropene ND 0.0014 EPA 8260D 11-22-21 11-22-21 1,2-Dichloroethane ND 0.0014 EPA 8260D 11-22-21 11-22-21 1,2-Dichloropropane ND 0.0014 EPA 8260D 11-22-21 11-22-21 1,2-Dichloropropane ND 0.0014 EPA 8260D 11-22-21 11-22-21 Dibromomethane ND 0.0014 EPA 8260D 11-22-21 11-22-21 2-Chloroethyl Vinyl Ether ND 0.0014	2,2-Dichloropropane	ND	0.0014	EPA 8260D	11-22-21	11-22-21	
Bromochloromethane ND 0.0014 EPA 8260D 11-22-21 11-22-21 Chloroform ND 0.0014 EPA 8260D 11-22-21 11-22-21 1,1,1-Trichloroethane ND 0.0014 EPA 8260D 11-22-21 11-22-21 Carbon Tetrachloride ND 0.0014 EPA 8260D 11-22-21 11-22-21 1,1-Dichloropropene ND 0.0014 EPA 8260D 11-22-21 11-22-21 Benzene ND 0.0014 EPA 8260D 11-22-21 11-22-21 1,2-Dichloroethane ND 0.0014 EPA 8260D 11-22-21 11-22-21 Trichloroethene ND 0.0014 EPA 8260D 11-22-21 11-22-21 1,2-Dichloropropane ND 0.0014 EPA 8260D 11-22-21 11-22-21 Dibromomethane ND 0.0014 EPA 8260D 11-22-21 11-22-21 Bromodichloromethane ND 0.0014 EPA 8260D 11-22-21 11-22-21 2-Chloroethyl Vinyl Ether ND 0.0014	(cis) 1,2-Dichloroethene	ND	0.0014	EPA 8260D	11-22-21	11-22-21	
Chloroform ND 0.0014 EPA 8260D 11-22-21 11-22-21 1,1,1-Trichloroethane ND 0.0014 EPA 8260D 11-22-21 11-22-21 Carbon Tetrachloride ND 0.0014 EPA 8260D 11-22-21 11-22-21 1,1-Dichloropropene ND 0.0014 EPA 8260D 11-22-21 11-22-21 Benzene ND 0.0014 EPA 8260D 11-22-21 11-22-21 1,2-Dichloroethane ND 0.0014 EPA 8260D 11-22-21 11-22-21 Trichloroethene ND 0.0014 EPA 8260D 11-22-21 11-22-21 1,2-Dichloropropane ND 0.0014 EPA 8260D 11-22-21 11-22-21 1,2-Dichloropropane ND 0.0014 EPA 8260D 11-22-21 11-22-21 Dibromomethane ND 0.0014 EPA 8260D 11-22-21 11-22-21 Bromodichloromethane ND 0.0014 EPA 8260D 11-22-21 11-22-21 2-Chloroethyl Vinyl Ether ND 0.001	2-Butanone	0.095	0.0069	EPA 8260D	11-22-21	11-22-21	
1,1,1-Trichloroethane ND 0.0014 EPA 8260D 11-22-21 11-22-21 Carbon Tetrachloride ND 0.0014 EPA 8260D 11-22-21 11-22-21 1,1-Dichloropropene ND 0.0014 EPA 8260D 11-22-21 11-22-21 Benzene ND 0.0014 EPA 8260D 11-22-21 11-22-21 1,2-Dichloroethane ND 0.0014 EPA 8260D 11-22-21 11-22-21 Trichloroethene ND 0.0014 EPA 8260D 11-22-21 11-22-21 1,2-Dichloropropane ND 0.0014 EPA 8260D 11-22-21 11-22-21 Dibromomethane ND 0.0014 EPA 8260D 11-22-21 11-22-21 Bromodichloromethane ND 0.0014 EPA 8260D 11-22-21 11-22-21 2-Chloroethyl Vinyl Ether ND 0.010 EPA 8260D 11-22-21 11-22-21 (cis) 1,3-Dichloropropene ND 0.0014 EPA 8260D 11-22-21 11-22-21 Methyl Isobutyl Ketone ND 0.0069 EPA 8260D 11-22-21 11-22-21 Toluene	Bromochloromethane	ND	0.0014	EPA 8260D	11-22-21	11-22-21	
Carbon Tetrachloride ND 0.0014 EPA 8260D 11-22-21 11-22-21 1,1-Dichloropropene ND 0.0014 EPA 8260D 11-22-21 11-22-21 Benzene ND 0.0014 EPA 8260D 11-22-21 11-22-21 1,2-Dichloroethane ND 0.0014 EPA 8260D 11-22-21 11-22-21 Trichloroethene ND 0.0014 EPA 8260D 11-22-21 11-22-21 1,2-Dichloropropane ND 0.0014 EPA 8260D 11-22-21 11-22-21 Dibromomethane ND 0.0014 EPA 8260D 11-22-21 11-22-21 Bromodichloromethane ND 0.0014 EPA 8260D 11-22-21 11-22-21 2-Chloroethyl Vinyl Ether ND 0.010 EPA 8260D 11-22-21 11-22-21 (cis) 1,3-Dichloropropene ND 0.0014 EPA 8260D 11-22-21 11-22-21 Methyl Isobutyl Ketone ND 0.0069 EPA 8260D 11-22-21 11-22-21 Toluene ND 0.0069	Chloroform	ND	0.0014	EPA 8260D	11-22-21	11-22-21	
1,1-Dichloropropene ND 0.0014 EPA 8260D 11-22-21 11-22-21 Benzene ND 0.0014 EPA 8260D 11-22-21 11-22-21 1,2-Dichloroethane ND 0.0014 EPA 8260D 11-22-21 11-22-21 Trichloroethene ND 0.0014 EPA 8260D 11-22-21 11-22-21 1,2-Dichloropropane ND 0.0014 EPA 8260D 11-22-21 11-22-21 Dibromomethane ND 0.0014 EPA 8260D 11-22-21 11-22-21 Bromodichloromethane ND 0.0014 EPA 8260D 11-22-21 11-22-21 2-Chloroethyl Vinyl Ether ND 0.010 EPA 8260D 11-22-21 11-22-21 (cis) 1,3-Dichloropropene ND 0.0014 EPA 8260D 11-22-21 11-22-21 Methyl Isobutyl Ketone ND 0.0069 EPA 8260D 11-22-21 11-22-21 Toluene ND 0.0069 EPA 8260D 11-22-21 11-22-21	1,1,1-Trichloroethane	ND	0.0014	EPA 8260D	11-22-21	11-22-21	
Benzene ND 0.0014 EPA 8260D 11-22-21 11-22-21 1,2-Dichloroethane ND 0.0014 EPA 8260D 11-22-21 11-22-21 Trichloroethene ND 0.0014 EPA 8260D 11-22-21 11-22-21 1,2-Dichloropropane ND 0.0014 EPA 8260D 11-22-21 11-22-21 Dibromomethane ND 0.0014 EPA 8260D 11-22-21 11-22-21 Bromodichloromethane ND 0.0014 EPA 8260D 11-22-21 11-22-21 2-Chloroethyl Vinyl Ether ND 0.010 EPA 8260D 11-22-21 11-22-21 (cis) 1,3-Dichloropropene ND 0.0014 EPA 8260D 11-22-21 11-22-21 Methyl Isobutyl Ketone ND 0.0069 EPA 8260D 11-22-21 11-22-21 Toluene ND 0.0069 EPA 8260D 11-22-21 11-22-21	Carbon Tetrachloride	ND	0.0014	EPA 8260D	11-22-21	11-22-21	
1,2-Dichloroethane ND 0.0014 EPA 8260D 11-22-21 11-22-21 Trichloroethene ND 0.0014 EPA 8260D 11-22-21 11-22-21 1,2-Dichloropropane ND 0.0014 EPA 8260D 11-22-21 11-22-21 Dibromomethane ND 0.0014 EPA 8260D 11-22-21 11-22-21 Bromodichloromethane ND 0.0014 EPA 8260D 11-22-21 11-22-21 2-Chloroethyl Vinyl Ether ND 0.010 EPA 8260D 11-22-21 11-22-21 (cis) 1,3-Dichloropropene ND 0.0014 EPA 8260D 11-22-21 11-22-21 Methyl Isobutyl Ketone ND 0.0069 EPA 8260D 11-22-21 11-22-21 Toluene ND 0.0069 EPA 8260D 11-22-21 11-22-21	1,1-Dichloropropene	ND	0.0014	EPA 8260D	11-22-21	11-22-21	
Trichloroethene ND 0.0014 EPA 8260D 11-22-21 11-22-21 1,2-Dichloropropane ND 0.0014 EPA 8260D 11-22-21 11-22-21 Dibromomethane ND 0.0014 EPA 8260D 11-22-21 11-22-21 Bromodichloromethane ND 0.0014 EPA 8260D 11-22-21 11-22-21 2-Chloroethyl Vinyl Ether ND 0.010 EPA 8260D 11-22-21 11-22-21 (cis) 1,3-Dichloropropene ND 0.0014 EPA 8260D 11-22-21 11-22-21 Methyl Isobutyl Ketone ND 0.0069 EPA 8260D 11-22-21 11-22-21 Toluene ND 0.0069 EPA 8260D 11-22-21 11-22-21	Benzene	ND	0.0014	EPA 8260D	11-22-21	11-22-21	
1,2-Dichloropropane ND 0.0014 EPA 8260D 11-22-21 11-22-21 Dibromomethane ND 0.0014 EPA 8260D 11-22-21 11-22-21 Bromodichloromethane ND 0.0014 EPA 8260D 11-22-21 11-22-21 2-Chloroethyl Vinyl Ether ND 0.010 EPA 8260D 11-22-21 11-22-21 (cis) 1,3-Dichloropropene ND 0.0014 EPA 8260D 11-22-21 11-22-21 Methyl Isobutyl Ketone ND 0.0069 EPA 8260D 11-22-21 11-22-21 Toluene ND 0.0069 EPA 8260D 11-22-21 11-22-21	1,2-Dichloroethane	ND	0.0014	EPA 8260D	11-22-21	11-22-21	
Dibromomethane ND 0.0014 EPA 8260D 11-22-21 11-22-21 Bromodichloromethane ND 0.0014 EPA 8260D 11-22-21 11-22-21 2-Chloroethyl Vinyl Ether ND 0.010 EPA 8260D 11-22-21 11-22-21 (cis) 1,3-Dichloropropene ND 0.0014 EPA 8260D 11-22-21 11-22-21 Methyl Isobutyl Ketone ND 0.0069 EPA 8260D 11-22-21 11-22-21 Toluene ND 0.0069 EPA 8260D 11-22-21 11-22-21	Trichloroethene	ND	0.0014	EPA 8260D	11-22-21	11-22-21	
Bromodichloromethane ND 0.0014 EPA 8260D 11-22-21 11-22-21 2-Chloroethyl Vinyl Ether ND 0.010 EPA 8260D 11-22-21 11-22-21 (cis) 1,3-Dichloropropene ND 0.0014 EPA 8260D 11-22-21 11-22-21 Methyl Isobutyl Ketone ND 0.0069 EPA 8260D 11-22-21 11-22-21 Toluene ND 0.0069 EPA 8260D 11-22-21 11-22-21	1,2-Dichloropropane	ND	0.0014	EPA 8260D	11-22-21	11-22-21	
2-Chloroethyl Vinyl Ether ND 0.010 EPA 8260D 11-22-21 11-22-21 (cis) 1,3-Dichloropropene ND 0.0014 EPA 8260D 11-22-21 11-22-21 Methyl Isobutyl Ketone ND 0.0069 EPA 8260D 11-22-21 11-22-21 Toluene ND 0.0069 EPA 8260D 11-22-21 11-22-21	Dibromomethane	ND	0.0014	EPA 8260D	11-22-21	11-22-21	
(cis) 1,3-Dichloropropene ND 0.0014 EPA 8260D 11-22-21 11-22-21 Methyl Isobutyl Ketone ND 0.0069 EPA 8260D 11-22-21 11-22-21 Toluene ND 0.0069 EPA 8260D 11-22-21 11-22-21	Bromodichloromethane	ND	0.0014	EPA 8260D	11-22-21	11-22-21	
(cis) 1,3-Dichloropropene ND 0.0014 EPA 8260D 11-22-21 11-22-21 Methyl Isobutyl Ketone ND 0.0069 EPA 8260D 11-22-21 11-22-21 Toluene ND 0.0069 EPA 8260D 11-22-21 11-22-21	2-Chloroethyl Vinyl Ether	ND	0.010	EPA 8260D	11-22-21	11-22-21	
Toluene ND 0.0069 EPA 8260D 11-22-21 11-22-21	(cis) 1,3-Dichloropropene	ND	0.0014	EPA 8260D	11-22-21	11-22-21	
Toluene ND 0.0069 EPA 8260D 11-22-21 11-22-21	Methyl Isobutyl Ketone	ND	0.0069	EPA 8260D	11-22-21	11-22-21	
(trans) 1,3-Dichloropropene ND 0.0014 EPA 8260D 11-22-21 11-22-21	Toluene	ND	0.0069	EPA 8260D	11-22-21	11-22-21	
	(trans) 1,3-Dichloropropene	ND	0.0014	EPA 8260D	11-22-21	11-22-21	

Laboratory Reference: 2111-217

Project: 060172

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				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	CB-12-17-111921					
Laboratory ID:	11-217-32					
1,1,2-Trichloroethane	ND	0.0014	EPA 8260D	11-22-21	11-22-21	
Tetrachloroethene	0.0018	0.0014	EPA 8260D	11-22-21	11-22-21	
1,3-Dichloropropane	ND	0.0014	EPA 8260D	11-22-21	11-22-21	
2-Hexanone	ND	0.0069	EPA 8260D	11-22-21	11-22-21	
Dibromochloromethane	ND	0.0014	EPA 8260D	11-22-21	11-22-21	
1,2-Dibromoethane	ND	0.0014	EPA 8260D	11-22-21	11-22-21	
Chlorobenzene	ND	0.0014	EPA 8260D	11-22-21	11-22-21	
1,1,1,2-Tetrachloroethane	ND	0.0014	EPA 8260D	11-22-21	11-22-21	
Ethylbenzene	ND	0.0014	EPA 8260D	11-22-21	11-22-21	
m,p-Xylene	ND	0.0028	EPA 8260D	11-22-21	11-22-21	
o-Xylene	ND	0.0014	EPA 8260D	11-22-21	11-22-21	
Styrene	ND	0.0014	EPA 8260D	11-22-21	11-22-21	
Bromoform	ND	0.0069	EPA 8260D	11-22-21	11-22-21	
Isopropylbenzene	ND	0.0014	EPA 8260D	11-22-21	11-22-21	
Bromobenzene	ND	0.0014	EPA 8260D	11-22-21	11-22-21	
1,1,2,2-Tetrachloroethane	ND	0.0014	EPA 8260D	11-22-21	11-22-21	
1,2,3-Trichloropropane	ND	0.0014	EPA 8260D	11-22-21	11-22-21	
n-Propylbenzene	ND	0.0014	EPA 8260D	11-22-21	11-22-21	
2-Chlorotoluene	ND	0.0014	EPA 8260D	11-22-21	11-22-21	
4-Chlorotoluene	ND	0.0014	EPA 8260D	11-22-21	11-22-21	
1,3,5-Trimethylbenzene	ND	0.0014	EPA 8260D	11-22-21	11-22-21	
ert-Butylbenzene	ND	0.0014	EPA 8260D	11-22-21	11-22-21	
1,2,4-Trimethylbenzene	ND	0.0014	EPA 8260D	11-22-21	11-22-21	
sec-Butylbenzene	ND	0.0014	EPA 8260D	11-22-21	11-22-21	
1,3-Dichlorobenzene	ND	0.0014	EPA 8260D	11-22-21	11-22-21	
p-Isopropyltoluene	ND	0.0014	EPA 8260D	11-22-21	11-22-21	
1,4-Dichlorobenzene	ND	0.0014	EPA 8260D	11-22-21	11-22-21	
1,2-Dichlorobenzene	ND	0.0014	EPA 8260D	11-22-21	11-22-21	
n-Butylbenzene	ND	0.0014	EPA 8260D	11-22-21	11-22-21	
1,2-Dibromo-3-chloropropane	e ND	0.0069	EPA 8260D	11-22-21	11-22-21	
1,2,4-Trichlorobenzene	ND	0.0014	EPA 8260D	11-22-21	11-22-21	
Hexachlorobutadiene	ND	0.0069	EPA 8260D	11-22-21	11-22-21	
Naphthalene	ND	0.0069	EPA 8260D	11-22-21	11-22-21	
1,2,3-Trichlorobenzene	ND	0.0014	EPA 8260D	11-22-21	11-22-21	
Surrogate:	Percent Recovery	Control Limits				
Dibromofluoromethane	104	74-131				
Toluene-d8	97	78-128				

4-Bromofluorobenzene

71-130

97

Laboratory Reference: 2111-217

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Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	CB-12-22-111921					
Laboratory ID:	11-217-33					
Dichlorodifluoromethane	ND	0.0018	EPA 8260D	11-22-21	11-22-21	
Chloromethane	ND	0.0055	EPA 8260D	11-22-21	11-22-21	
Vinyl Chloride	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
Bromomethane	ND	0.0055	EPA 8260D	11-22-21	11-22-21	
Chloroethane	ND	0.0055	EPA 8260D	11-22-21	11-22-21	
Trichlorofluoromethane	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
1,1-Dichloroethene	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
Acetone	0.12	0.011	EPA 8260D	11-22-21	11-22-21	
Iodomethane	ND	0.0055	EPA 8260D	11-22-21	11-22-21	
Carbon Disulfide	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
Methylene Chloride	ND	0.0055	EPA 8260D	11-22-21	11-22-21	
(trans) 1,2-Dichloroethene	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
Methyl t-Butyl Ether	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
1,1-Dichloroethane	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
Vinyl Acetate	ND	0.0055	EPA 8260D	11-22-21	11-22-21	
2,2-Dichloropropane	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
(cis) 1,2-Dichloroethene	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
2-Butanone	0.019	0.0055	EPA 8260D	11-22-21	11-22-21	
Bromochloromethane	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
Chloroform	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
1,1,1-Trichloroethane	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
Carbon Tetrachloride	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
1,1-Dichloropropene	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
Benzene	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
1,2-Dichloroethane	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
Trichloroethene	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
1,2-Dichloropropane	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
Dibromomethane	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
Bromodichloromethane	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
2-Chloroethyl Vinyl Ether	ND	0.0081	EPA 8260D	11-22-21	11-22-21	
(cis) 1,3-Dichloropropene	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
Methyl Isobutyl Ketone	ND	0.0055	EPA 8260D	11-22-21	11-22-21	
Toluene	ND	0.0055	EPA 8260D	11-22-21	11-22-21	
(trans) 1,3-Dichloropropene	e ND	0.0011	EPA 8260D	11-22-21	11-22-21	

Laboratory Reference: 2111-217

Project: 060172

VOLATILE ORGANICS EPA 8260D

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				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	CB-12-22-111921					
Laboratory ID:	11-217-33					
1,1,2-Trichloroethane	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
Tetrachloroethene	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
1,3-Dichloropropane	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
2-Hexanone	ND	0.0055	EPA 8260D	11-22-21	11-22-21	
Dibromochloromethane	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
1,2-Dibromoethane	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
Chlorobenzene	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
1,1,1,2-Tetrachloroethane	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
Ethylbenzene	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
m,p-Xylene	ND	0.0022	EPA 8260D	11-22-21	11-22-21	
o-Xylene	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
Styrene	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
Bromoform	ND	0.0055	EPA 8260D	11-22-21	11-22-21	
Isopropylbenzene	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
Bromobenzene	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
1,1,2,2-Tetrachloroethane	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
1,2,3-Trichloropropane	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
n-Propylbenzene	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
2-Chlorotoluene	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
4-Chlorotoluene	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
1,3,5-Trimethylbenzene	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
ert-Butylbenzene	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
1,2,4-Trimethylbenzene	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
sec-Butylbenzene	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
1,3-Dichlorobenzene	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
p-Isopropyltoluene	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
1,4-Dichlorobenzene	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
1,2-Dichlorobenzene	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
n-Butylbenzene	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
1,2-Dibromo-3-chloropropane	e ND	0.0055	EPA 8260D	11-22-21	11-22-21	
1,2,4-Trichlorobenzene	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
Hexachlorobutadiene	ND	0.0055	EPA 8260D	11-22-21	11-22-21	
Naphthalene	ND	0.0055	EPA 8260D	11-22-21	11-22-21	
1,2,3-Trichlorobenzene	ND	0.0011	EPA 8260D	11-22-21	11-22-21	
Surrogate:	Percent Recovery	Control Limits				
Dibromofluoromethane	103	74-131				
Toluene-d8	96	78-128				

4-Bromofluorobenzene

71-130

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Laboratory Reference: 2111-217

Project: 060172

VOLATILE ORGANICS EPA 8260D QUALITY CONTROL

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Offits. Hig/kg				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1122S1					
Dichlorodifluoromethane	ND	0.0010	EPA 8260D	11-22-21	11-22-21	
Chloromethane	ND	0.0050	EPA 8260D	11-22-21	11-22-21	
Vinyl Chloride	ND	0.0010	EPA 8260D	11-22-21	11-22-21	
Bromomethane	ND	0.0050	EPA 8260D	11-22-21	11-22-21	
Chloroethane	ND	0.0050	EPA 8260D	11-22-21	11-22-21	
Trichlorofluoromethane	ND	0.0010	EPA 8260D	11-22-21	11-22-21	
1,1-Dichloroethene	ND	0.0010	EPA 8260D	11-22-21	11-22-21	
Acetone	ND	0.010	EPA 8260D	11-22-21	11-22-21	
Iodomethane	ND	0.0050	EPA 8260D	11-22-21	11-22-21	
Carbon Disulfide	ND	0.0010	EPA 8260D	11-22-21	11-22-21	
Methylene Chloride	ND	0.0050	EPA 8260D	11-22-21	11-22-21	
(trans) 1,2-Dichloroethene	ND	0.0010	EPA 8260D	11-22-21	11-22-21	
Methyl t-Butyl Ether	ND	0.0010	EPA 8260D	11-22-21	11-22-21	
1,1-Dichloroethane	ND	0.0010	EPA 8260D	11-22-21	11-22-21	
Vinyl Acetate	ND	0.0068	EPA 8260D	11-22-21	11-22-21	
2,2-Dichloropropane	ND	0.0010	EPA 8260D	11-22-21	11-22-21	
(cis) 1,2-Dichloroethene	ND	0.0010	EPA 8260D	11-22-21	11-22-21	
2-Butanone	ND	0.0069	EPA 8260D	11-22-21	11-22-21	
Bromochloromethane	ND	0.0010	EPA 8260D	11-22-21	11-22-21	
Chloroform	ND	0.0010	EPA 8260D	11-22-21	11-22-21	
1,1,1-Trichloroethane	ND	0.0010	EPA 8260D	11-22-21	11-22-21	
Carbon Tetrachloride	ND	0.0010	EPA 8260D	11-22-21	11-22-21	
1,1-Dichloropropene	ND	0.0010	EPA 8260D	11-22-21	11-22-21	
Benzene	ND	0.0010	EPA 8260D	11-22-21	11-22-21	
1,2-Dichloroethane	ND	0.0010	EPA 8260D	11-22-21	11-22-21	
Trichloroethene	ND	0.0010	EPA 8260D	11-22-21	11-22-21	
1,2-Dichloropropane	ND	0.0010	EPA 8260D	11-22-21	11-22-21	
Dibromomethane	ND	0.0010	EPA 8260D	11-22-21	11-22-21	
Bromodichloromethane	ND	0.0010	EPA 8260D	11-22-21	11-22-21	
2-Chloroethyl Vinyl Ether	ND	0.0079	EPA 8260D	11-22-21	11-22-21	
(cis) 1,3-Dichloropropene	ND	0.0010	EPA 8260D	11-22-21	11-22-21	
Methyl Isobutyl Ketone	ND	0.0066	EPA 8260D	11-22-21	11-22-21	
Toluene	ND	0.0050	EPA 8260D	11-22-21	11-22-21	
(trans) 1,3-Dichloropropene	ND	0.0010	EPA 8260D	11-22-21	11-22-21	

Laboratory Reference: 2111-217

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				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1122S1					
1,1,2-Trichloroethane	ND	0.0010	EPA 8260D	11-22-21	11-22-21	
Tetrachloroethene	ND	0.0010	EPA 8260D	11-22-21	11-22-21	
1,3-Dichloropropane	ND	0.0010	EPA 8260D	11-22-21	11-22-21	
2-Hexanone	ND	0.0080	EPA 8260D	11-22-21	11-22-21	
Dibromochloromethane	ND	0.0010	EPA 8260D	11-22-21	11-22-21	
1,2-Dibromoethane	ND	0.0010	EPA 8260D	11-22-21	11-22-21	
Chlorobenzene	ND	0.0010	EPA 8260D	11-22-21	11-22-21	
1,1,1,2-Tetrachloroethane	ND	0.0010	EPA 8260D	11-22-21	11-22-21	
Ethylbenzene	ND	0.0010	EPA 8260D	11-22-21	11-22-21	
m,p-Xylene	ND	0.0020	EPA 8260D	11-22-21	11-22-21	
o-Xylene	ND	0.0010	EPA 8260D	11-22-21	11-22-21	
Styrene	ND	0.0010	EPA 8260D	11-22-21	11-22-21	
Bromoform	ND	0.0050	EPA 8260D	11-22-21	11-22-21	
Isopropylbenzene	ND	0.0010	EPA 8260D	11-22-21	11-22-21	
Bromobenzene	ND	0.0010	EPA 8260D	11-22-21	11-22-21	
1,1,2,2-Tetrachloroethane	ND	0.0010	EPA 8260D	11-22-21	11-22-21	
1,2,3-Trichloropropane	ND	0.0013	EPA 8260D	11-22-21	11-22-21	
n-Propylbenzene	ND	0.0010	EPA 8260D	11-22-21	11-22-21	
2-Chlorotoluene	ND	0.0010	EPA 8260D	11-22-21	11-22-21	
4-Chlorotoluene	ND	0.0010	EPA 8260D	11-22-21	11-22-21	
1,3,5-Trimethylbenzene	ND	0.0010	EPA 8260D	11-22-21	11-22-21	
tert-Butylbenzene	ND	0.0010	EPA 8260D	11-22-21	11-22-21	
1,2,4-Trimethylbenzene	ND	0.0010	EPA 8260D	11-22-21	11-22-21	
sec-Butylbenzene	ND	0.0010	EPA 8260D	11-22-21	11-22-21	
1,3-Dichlorobenzene	ND	0.0010	EPA 8260D	11-22-21	11-22-21	
p-Isopropyltoluene	ND	0.0010	EPA 8260D	11-22-21	11-22-21	
1,4-Dichlorobenzene	ND	0.0010	EPA 8260D	11-22-21	11-22-21	
1,2-Dichlorobenzene	ND	0.0010	EPA 8260D	11-22-21	11-22-21	
n-Butylbenzene	ND	0.0010	EPA 8260D	11-22-21	11-22-21	
1,2-Dibromo-3-chloropropane	ND	0.0050	EPA 8260D	11-22-21	11-22-21	
1,2,4-Trichlorobenzene	ND	0.0010	EPA 8260D	11-22-21	11-22-21	
Hexachlorobutadiene	ND	0.0050	EPA 8260D	11-22-21	11-22-21	
Naphthalene	ND	0.0050	EPA 8260D	11-22-21	11-22-21	
1,2,3-Trichlorobenzene	ND	0.0010	EPA 8260D	11-22-21	11-22-21	
Surrogate:	Percent Recovery	Control Limits				
Dibromofluoromethane	100	74-131				
Toluene-d8	103	78-128				
4-Bromofluorobenzene	106	71-130				

Laboratory Reference: 2111-217

Project: 060172

VOLATILE ORGANICS EPA 8260D QUALITY CONTROL

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Offits. Ing/kg				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1122S2					
Dichlorodifluoromethane	ND	0.0016	EPA 8260D	11-22-21	11-22-21	
Chloromethane	ND	0.0050	EPA 8260D	11-22-21	11-22-21	
Vinyl Chloride	ND	0.0010	EPA 8260D	11-22-21	11-22-21	
Bromomethane	ND	0.0050	EPA 8260D	11-22-21	11-22-21	
Chloroethane	ND	0.0050	EPA 8260D	11-22-21	11-22-21	
Trichlorofluoromethane	ND	0.0010	EPA 8260D	11-22-21	11-22-21	
1,1-Dichloroethene	ND	0.0010	EPA 8260D	11-22-21	11-22-21	
Acetone	ND	0.010	EPA 8260D	11-22-21	11-22-21	
Iodomethane	ND	0.0050	EPA 8260D	11-22-21	11-22-21	
Carbon Disulfide	ND	0.0010	EPA 8260D	11-22-21	11-22-21	
Methylene Chloride	ND	0.0050	EPA 8260D	11-22-21	11-22-21	
(trans) 1,2-Dichloroethene	ND	0.0010	EPA 8260D	11-22-21	11-22-21	
Methyl t-Butyl Ether	ND	0.0010	EPA 8260D	11-22-21	11-22-21	
1,1-Dichloroethane	ND	0.0010	EPA 8260D	11-22-21	11-22-21	
Vinyl Acetate	ND	0.0050	EPA 8260D	11-22-21	11-22-21	
2,2-Dichloropropane	ND	0.0010	EPA 8260D	11-22-21	11-22-21	
(cis) 1,2-Dichloroethene	ND	0.0010	EPA 8260D	11-22-21	11-22-21	
2-Butanone	ND	0.0050	EPA 8260D	11-22-21	11-22-21	
Bromochloromethane	ND	0.0010	EPA 8260D	11-22-21	11-22-21	
Chloroform	ND	0.0010	EPA 8260D	11-22-21	11-22-21	
1,1,1-Trichloroethane	ND	0.0010	EPA 8260D	11-22-21	11-22-21	
Carbon Tetrachloride	ND	0.0010	EPA 8260D	11-22-21	11-22-21	
1,1-Dichloropropene	ND	0.0010	EPA 8260D	11-22-21	11-22-21	
Benzene	ND	0.0010	EPA 8260D	11-22-21	11-22-21	
1,2-Dichloroethane	ND	0.0010	EPA 8260D	11-22-21	11-22-21	
Trichloroethene	ND	0.0010	EPA 8260D	11-22-21	11-22-21	
1,2-Dichloropropane	ND	0.0010	EPA 8260D	11-22-21	11-22-21	
Dibromomethane	ND	0.0010	EPA 8260D	11-22-21	11-22-21	
Bromodichloromethane	ND	0.0010	EPA 8260D	11-22-21	11-22-21	
2-Chloroethyl Vinyl Ether	ND	0.0074	EPA 8260D	11-22-21	11-22-21	
(cis) 1,3-Dichloropropene	ND	0.0010	EPA 8260D	11-22-21	11-22-21	
Methyl Isobutyl Ketone	ND	0.0050	EPA 8260D	11-22-21	11-22-21	
Toluene	ND	0.0050	EPA 8260D	11-22-21	11-22-21	
(trans) 1,3-Dichloropropene	ND	0.0010	EPA 8260D	11-22-21	11-22-21	

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### Aboratory ID: MB1122S2 1,2-Trichloroethane ND					Date	Date	
Aboratory D: MB1122S2 1,12-Trichloroethane ND	Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
1,12-Trichloroethane	METHOD BLANK						
Particular Par	Laboratory ID:	MB1122S2					
A-Dichloropropane ND	1,1,2-Trichloroethane	ND	0.0010	EPA 8260D	11-22-21	11-22-21	
Hekanone	Tetrachloroethene	ND	0.0010	EPA 8260D	11-22-21	11-22-21	
Dibromochloromethane ND 0.0010 EPA 8260D 11-22-21 11-2	1,3-Dichloropropane	ND	0.0010	EPA 8260D	11-22-21	11-22-21	
	2-Hexanone	ND	0.0050	EPA 8260D	11-22-21	11-22-21	
Chlorobenzene ND	Dibromochloromethane	ND	0.0010	EPA 8260D	11-22-21	11-22-21	
1,1,2-Tetrachloroethane	1,2-Dibromoethane	ND	0.0010	EPA 8260D	11-22-21	11-22-21	
Chyloenzene ND	Chlorobenzene	ND	0.0010	EPA 8260D	11-22-21	11-22-21	
N.D. N.D.	1,1,1,2-Tetrachloroethane	ND	0.0010	EPA 8260D	11-22-21	11-22-21	
-Xylene ND 0.0010 EPA 8260D 11-22-21 11	Ethylbenzene	ND	0.0010	EPA 8260D	11-22-21	11-22-21	
ND	m,p-Xylene	ND	0.0020	EPA 8260D	11-22-21	11-22-21	
Aromoform ND 0.0050 EPA 8260D 11-22-21 11-22-21 Bopropylbenzene ND 0.0010 EPA 8260D 11-22-21 11-22-21 Bromobenzene ND 0.0010 EPA 8260D 11-22-21 11-22-21 J.1,2,2-Tetrachloroethane ND 0.0010 EPA 8260D 11-22-21 11-22-21 J.2,3-Trichloropropane ND 0.0010 EPA 8260D 11-22-21 11-22-21 Propylbenzene ND 0.0010 EPA 8260D	o-Xylene	ND	0.0010	EPA 8260D	11-22-21	11-22-21	
Sopropy Benzene ND 0.0010 EPA 8260D 11-22-21	Styrene	ND	0.0010	EPA 8260D	11-22-21	11-22-21	
Stromobenzene ND 0.0010 EPA 8260D 11-22-21	Bromoform	ND	0.0050	EPA 8260D	11-22-21	11-22-21	
1,2,2-Tetrachloroethane	Isopropylbenzene	ND	0.0010	EPA 8260D	11-22-21	11-22-21	
1.23-Trichloropropane ND 0.0010 EPA 8260D 11-22-21 11-	Bromobenzene	ND	0.0010	EPA 8260D	11-22-21	11-22-21	
Propylbenzene ND 0.0010 EPA 8260D 11-22-21 11-22	1,1,2,2-Tetrachloroethane	ND	0.0010	EPA 8260D	11-22-21	11-22-21	
ND	1,2,3-Trichloropropane	ND	0.0010	EPA 8260D	11-22-21	11-22-21	
-Chlorotoluene ND 0.0010 EPA 8260D 11-22-21 11-2	n-Propylbenzene	ND	0.0010	EPA 8260D	11-22-21	11-22-21	
ND 0.0010 EPA 8260D 11-22-21 11-22	2-Chlorotoluene	ND	0.0010	EPA 8260D	11-22-21	11-22-21	
ert-Butylbenzene ND 0.0010 EPA 8260D 11-22-21 11-22-21 22-21	4-Chlorotoluene	ND	0.0010	EPA 8260D	11-22-21	11-22-21	
11-22-21 11-22-21	1,3,5-Trimethylbenzene	ND	0.0010	EPA 8260D	11-22-21	11-22-21	
ND 0.0010 EPA 8260D 11-22-21 11-22	tert-Butylbenzene	ND	0.0010	EPA 8260D	11-22-21	11-22-21	
,3-Dichlorobenzene ND 0.0010 EPA 8260D 11-22-21 11-22-21 ,-Isopropyltoluene ND 0.0010 EPA 8260D 11-22-21 11-22-21 ,4-Dichlorobenzene ND 0.0010 EPA 8260D 11-22-21 11-22-21 ,2-Dichlorobenzene ND 0.0010 EPA 8260D 11-22-21 11-22-21 ,Butylbenzene ND 0.0010 EPA 8260D 11-22-21 11-22-21 ,2-Dibromo-3-chloropropane ND 0.0050 EPA 8260D 11-22-21 11-22-21 ,2,4-Trichlorobenzene ND 0.0010 EPA 8260D 11-22-21 11-22-21 Isaphthalene ND 0.0050 EPA 8260D 11-22-21 11-22-21 ,2,3-Trichlorobenzene ND 0.0010 EPA 8260D 11-22-21 11-22-21 Surrogate: Percent Recovery Control Limits Dibromofluoromethane 104 74-131	1,2,4-Trimethylbenzene	ND	0.0010	EPA 8260D	11-22-21	11-22-21	
ND 0.0010 EPA 8260D 11-22-21 11-22	sec-Butylbenzene	ND	0.0010	EPA 8260D	11-22-21	11-22-21	
,4-Dichlorobenzene ND 0.0010 EPA 8260D 11-22-21 11-22-21 ,2-Dichlorobenzene ND 0.0010 EPA 8260D 11-22-21 11-22-21 ,Butylbenzene ND 0.0010 EPA 8260D 11-22-21 11-22-21 ,2-Dibromo-3-chloropropane ND 0.0050 EPA 8260D 11-22-21 11-22-21 ,2,4-Trichlorobenzene ND 0.0010 EPA 8260D 11-22-21 11-22-21 dexachlorobutadiene ND 0.0050 EPA 8260D 11-22-21 11-22-21 Alaphthalene ND 0.0050 EPA 8260D 11-22-21 11-22-21 ,2,3-Trichlorobenzene ND 0.0010 EPA 8260D 11-22-21 11-22-21 Surrogate: Percent Recovery Control Limits Dibromofluoromethane 104 74-131	1,3-Dichlorobenzene	ND	0.0010	EPA 8260D	11-22-21	11-22-21	
,2-Dichlorobenzene ND 0.0010 EPA 8260D 11-22-21 11-22-21 ,-Butylbenzene ND 0.0010 EPA 8260D 11-22-21 11-22-21 ,2-Dibromo-3-chloropropane ND 0.0050 EPA 8260D 11-22-21 11-22-21 ,2,4-Trichlorobenzene ND 0.0010 EPA 8260D 11-22-21 11-22-21 dexachlorobutadiene ND 0.0050 EPA 8260D 11-22-21 11-22-21 Naphthalene ND 0.0050 EPA 8260D 11-22-21 11-22-21 ,2,3-Trichlorobenzene ND 0.0010 EPA 8260D 11-22-21 11-22-21 Surrogate: Percent Recovery Control Limits Dibromofluoromethane 104 74-131	p-Isopropyltoluene	ND	0.0010	EPA 8260D	11-22-21	11-22-21	
Butylbenzene	1,4-Dichlorobenzene	ND	0.0010	EPA 8260D	11-22-21	11-22-21	
,2-Dibromo-3-chloropropane ND 0.0050 EPA 8260D 11-22-21 11-22-21 ,2,4-Trichlorobenzene ND 0.0010 EPA 8260D 11-22-21 11-22-21 dexachlorobutadiene ND 0.0050 EPA 8260D 11-22-21 11-22-21 Japhthalene ND 0.0050 EPA 8260D 11-22-21 11-22-21 ,2,3-Trichlorobenzene ND 0.0010 EPA 8260D 11-22-21 11-22-21 Surrogate: Percent Recovery Control Limits Dibromofluoromethane 104 74-131	1,2-Dichlorobenzene	ND	0.0010	EPA 8260D	11-22-21	11-22-21	
ND 0.0010 EPA 8260D 11-22-21 11-22-21 dexachlorobutadiene ND 0.0050 EPA 8260D 11-22-21 11-22-21 Naphthalene ND 0.0050 EPA 8260D 11-22-21 11-22-21 11-22-21 ND 0.0010 EPA 8260D 11-22-21 11-22-21 Surrogate: Percent Recovery Control Limits Dibromofluoromethane 104 74-131	n-Butylbenzene	ND	0.0010	EPA 8260D	11-22-21	11-22-21	
Hexachlorobutadiene ND 0.0050 EPA 8260D 11-22-21 11-22-21 Naphthalene ND 0.0050 EPA 8260D 11-22-21 11-22-21 ,2,3-Trichlorobenzene ND 0.0010 EPA 8260D 11-22-21 11-22-21 Surrogate: Percent Recovery Control Limits Dibromofluoromethane 104 74-131	1,2-Dibromo-3-chloropropane	ND	0.0050	EPA 8260D	11-22-21	11-22-21	
Naphthalene ND 0.0050 EPA 8260D 11-22-21 11-22-21 ,2,3-Trichlorobenzene ND 0.0010 EPA 8260D 11-22-21 11-22-21 Surrogate: Percent Recovery Control Limits Dibromofluoromethane 104 74-131	1,2,4-Trichlorobenzene		0.0010	EPA 8260D	11-22-21	11-22-21	
Naphthalene ND 0.0050 EPA 8260D 11-22-21 11-22-21 ,2,3-Trichlorobenzene ND 0.0010 EPA 8260D 11-22-21 11-22-21 Surrogate: Percent Recovery Control Limits Dibromofluoromethane 104 74-131	Hexachlorobutadiene	ND	0.0050	EPA 8260D	11-22-21	11-22-21	
,2,3-Trichlorobenzene ND 0.0010 EPA 8260D 11-22-21 11-22-21 Surrogate: Percent Recovery Control Limits Dibromofluoromethane 104 74-131	Naphthalene	ND	0.0050	EPA 8260D	11-22-21	11-22-21	
Dibromofluoromethane 104 74-131	1,2,3-Trichlorobenzene	ND	0.0010	EPA 8260D	11-22-21	11-22-21	
Dibromofluoromethane 104 74-131	Surrogate:	Percent Recovery	Control Limits				
Foluene-d8 96 78-128	Dibromofluoromethane	104	74-131				
	Toluene-d8	96	78-128				

4-Bromofluorobenzene

71-130

96

Laboratory Reference: 2111-217

Project: 060172

VOLATILE ORGANICS EPA 8260D QUALITY CONTROL

page 1 of 2

Offits. Hig/kg				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1123S2					
Dichlorodifluoromethane	ND	0.0010	EPA 8260D	11-23-21	11-23-21	
Chloromethane	ND	0.0050	EPA 8260D	11-23-21	11-23-21	
Vinyl Chloride	ND	0.0010	EPA 8260D	11-23-21	11-23-21	
Bromomethane	ND	0.0050	EPA 8260D	11-23-21	11-23-21	
Chloroethane	ND	0.0050	EPA 8260D	11-23-21	11-23-21	
Trichlorofluoromethane	ND	0.0010	EPA 8260D	11-23-21	11-23-21	
1,1-Dichloroethene	ND	0.0010	EPA 8260D	11-23-21	11-23-21	
Acetone	ND	0.010	EPA 8260D	11-23-21	11-23-21	
lodomethane	ND	0.0050	EPA 8260D	11-23-21	11-23-21	
Carbon Disulfide	ND	0.0010	EPA 8260D	11-23-21	11-23-21	
Methylene Chloride	ND	0.0050	EPA 8260D	11-23-21	11-23-21	
(trans) 1,2-Dichloroethene	ND	0.0010	EPA 8260D	11-23-21	11-23-21	
Methyl t-Butyl Ether	ND	0.0010	EPA 8260D	11-23-21	11-23-21	
1,1-Dichloroethane	ND	0.0010	EPA 8260D	11-23-21	11-23-21	
Vinyl Acetate	ND	0.0063	EPA 8260D	11-23-21	11-23-21	
2,2-Dichloropropane	ND	0.0010	EPA 8260D	11-23-21	11-23-21	
(cis) 1,2-Dichloroethene	ND	0.0010	EPA 8260D	11-23-21	11-23-21	
2-Butanone	ND	0.0064	EPA 8260D	11-23-21	11-23-21	
Bromochloromethane	ND	0.0010	EPA 8260D	11-23-21	11-23-21	
Chloroform	ND	0.0010	EPA 8260D	11-23-21	11-23-21	
1,1,1-Trichloroethane	ND	0.0010	EPA 8260D	11-23-21	11-23-21	
Carbon Tetrachloride	ND	0.0010	EPA 8260D	11-23-21	11-23-21	
1,1-Dichloropropene	ND	0.0010	EPA 8260D	11-23-21	11-23-21	
Benzene	ND	0.0010	EPA 8260D	11-23-21	11-23-21	
1,2-Dichloroethane	ND	0.0010	EPA 8260D	11-23-21	11-23-21	
Trichloroethene	ND	0.0010	EPA 8260D	11-23-21	11-23-21	
1,2-Dichloropropane	ND	0.0010	EPA 8260D	11-23-21	11-23-21	
Dibromomethane	ND	0.0010	EPA 8260D	11-23-21	11-23-21	
Bromodichloromethane	ND	0.0010	EPA 8260D	11-23-21	11-23-21	
2-Chloroethyl Vinyl Ether	ND	0.0074	EPA 8260D	11-23-21	11-23-21	
(cis) 1,3-Dichloropropene	ND	0.0010	EPA 8260D	11-23-21	11-23-21	
Methyl Isobutyl Ketone	ND	0.0066	EPA 8260D	11-23-21	11-23-21	
Toluene	ND	0.0050	EPA 8260D	11-23-21	11-23-21	
(trans) 1,3-Dichloropropene	ND	0.0010	EPA 8260D	11-23-21	11-23-21	

Laboratory Reference: 2111-217

Project: 060172

VOLATILE ORGANICS EPA 8260D QUALITY CONTROL

page 2 of 2

				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
METHOD BLANK						_
Laboratory ID:	MB1123S2					
1,1,2-Trichloroethane	ND	0.0010	EPA 8260D	11-23-21	11-23-21	
Tetrachloroethene	ND	0.0010	EPA 8260D	11-23-21	11-23-21	
1,3-Dichloropropane	ND	0.0010	EPA 8260D	11-23-21	11-23-21	
2-Hexanone	ND	0.0079	EPA 8260D	11-23-21	11-23-21	
Dibromochloromethane	ND	0.0010	EPA 8260D	11-23-21	11-23-21	
1,2-Dibromoethane	ND	0.0010	EPA 8260D	11-23-21	11-23-21	
Chlorobenzene	ND	0.0010	EPA 8260D	11-23-21	11-23-21	
1,1,1,2-Tetrachloroethane	ND	0.0010	EPA 8260D	11-23-21	11-23-21	
Ethylbenzene	ND	0.0010	EPA 8260D	11-23-21	11-23-21	
m,p-Xylene	ND	0.0020	EPA 8260D	11-23-21	11-23-21	
o-Xylene	ND	0.0010	EPA 8260D	11-23-21	11-23-21	
Styrene	ND	0.0010	EPA 8260D	11-23-21	11-23-21	
Bromoform	ND	0.0050	EPA 8260D	11-23-21	11-23-21	
Isopropylbenzene	ND	0.0010	EPA 8260D	11-23-21	11-23-21	
Bromobenzene	ND	0.0010	EPA 8260D	11-23-21	11-23-21	
1,1,2,2-Tetrachloroethane	ND	0.0014	EPA 8260D	11-23-21	11-23-21	
1,2,3-Trichloropropane	ND	0.0015	EPA 8260D	11-23-21	11-23-21	
n-Propylbenzene	ND	0.0010	EPA 8260D	11-23-21	11-23-21	
2-Chlorotoluene	ND	0.0010	EPA 8260D	11-23-21	11-23-21	
4-Chlorotoluene	ND	0.0010	EPA 8260D	11-23-21	11-23-21	
1,3,5-Trimethylbenzene	ND	0.0010	EPA 8260D	11-23-21	11-23-21	
tert-Butylbenzene	ND	0.0010	EPA 8260D	11-23-21	11-23-21	
1,2,4-Trimethylbenzene	ND	0.0010	EPA 8260D	11-23-21	11-23-21	
sec-Butylbenzene	ND	0.0010	EPA 8260D	11-23-21	11-23-21	
1,3-Dichlorobenzene	ND	0.0010	EPA 8260D	11-23-21	11-23-21	
p-Isopropyltoluene	ND	0.0010	EPA 8260D	11-23-21	11-23-21	
1,4-Dichlorobenzene	ND	0.0010	EPA 8260D	11-23-21	11-23-21	
1,2-Dichlorobenzene	ND	0.0010	EPA 8260D	11-23-21	11-23-21	
n-Butylbenzene	ND	0.0010	EPA 8260D	11-23-21	11-23-21	
1,2-Dibromo-3-chloropropane	ND	0.0066	EPA 8260D	11-23-21	11-23-21	
1,2,4-Trichlorobenzene	ND	0.0010	EPA 8260D	11-23-21	11-23-21	
Hexachlorobutadiene	ND	0.0050	EPA 8260D	11-23-21	11-23-21	
Naphthalene	ND	0.0063	EPA 8260D	11-23-21	11-23-21	
1,2,3-Trichlorobenzene	ND	0.0010	EPA 8260D	11-23-21	11-23-21	
Surrogate:	Percent Recovery	Control Limits				
Dibromofluoromethane	93	74-131				
Toluene-d8	103	78-128				
4-Bromofluorobenzene	103	71-130				

Laboratory Reference: 2111-217

Project: 060172

VOLATILE ORGANICS EPA 8260D QUALITY CONTROL

					Per	cent	Recovery		RPD	
Analyte	Res	sult	Spike	Level	Reco	overy	Limits	RPD	Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB11	22S1								
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	0.0508	0.0519	0.0500	0.0500	102	104	71-131	2	19	_
Benzene	0.0514	0.0522	0.0500	0.0500	103	104	73-124	2	18	
Trichloroethene	0.0574	0.0602	0.0500	0.0500	115	120	79-130	5	18	
Toluene	0.0533	0.0535	0.0500	0.0500	107	107	76-123	0	18	
Chlorobenzene	0.0507	0.0512	0.0500	0.0500	101	102	78-122	1	18	
Surrogate:										
Dibromofluoromethane					96	97	74-131			
Toluene-d8					102	102	78-128			
4-Bromofluorobenzene					104	103	71-130			
Laboratory ID:	SB11	2252								
Laboratory 13.	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	0.0559	0.0578		0.0500	112	116	71-131	3	19	
Benzene	0.0577	0.0594		0.0500	115	119	73-124	3	18	
Trichloroethene	0.0588	0.0612		0.0500	118	122	79-130	4	18	
Toluene	0.0545	0.0557		0.0500	109	111	76-123	2	18	
Chlorobenzene	0.0522	0.0526		0.0500	104	105	78-122	1	18	
Surrogate:										
Dibromofluoromethane					100	101	74-131			
Toluene-d8					98	99	78-128			
4-Bromofluorobenzene					100	102	71-130			
Laboratory ID:	SB11									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	0.0486	0.0501		0.0500	97	100	71-131	3	19	
Benzene	0.0510	0.0530		0.0500	102	106	73-124	4	18	
Trichloroethene	0.0584	0.0608		0.0500	117	122	79-130	4	18	
Toluene	0.0521	0.0538		0.0500	104	108	76-123	3	18	
Chlorobenzene	0.0504	0.0521	0.0500	0.0500	101	104	78-122	3	18	
Surrogate:										
Dibromofluoromethane					95	95	74-131			
Toluene-d8					101	101	78-128			
4-Bromofluorobenzene					103	104	71-130			

Laboratory Reference: 2111-217 Project: 060172

% MOISTURE

Client ID	Lab ID	% Moisture	Date Analyzed
CB-04-8.5-111821	11-217-01	19	11-22-21
CB-04-13-111821	11-217-02	15	11-22-21
CB-04-15-111821	11-217-03	28	11-22-21
CB-04-23.5-111821	11-217-04	29	11-22-21
CB-04-26.5-111821	11-217-05	29	11-22-21
CB-05-7-111821	11-217-06	24	11-22-21
CB-05-12-111821	11-217-07	26	11-22-21
CB-05-18-111821	11-217-08	15	11-22-21
CB-05-27.5-111821	11-217-09	15	11-22-21
CB-03-7-111821	11-217-10	31	11-22-21
CB-03-8-111821	11-217-11	15	11-22-21
CB-03-21-111821	11-217-12	17	11-22-21
CB-03-26-111821	11-217-13	14	11-22-21
CB-02-8-111821	11-217-14	14	11-22-21
CB-02-13-111821	11-217-15	28	11-22-21
CB-02-21-111821	11-217-16	21	11-22-21
CB-02-22-111821	11-217-17	14	11-22-21
CB-01-7-111821	11-217-18	15	11-22-21
CB-01-13-111821	11-217-19	30	11-22-21
CB-01-19-111821	11-217-20	35	11-22-21
CB-01-23-111821	11-217-21	12	11-22-21
CB-13-5-111921	11-217-22	15	11-22-21
CB-13-8-111921	11-217-23	13	11-22-21
CB-13-16-111921	11-217-24	25	11-22-21
CB-13-20-111921	11-217-25	21	11-22-21
CB-14-6-111921	11-217-26	25	11-22-21
CB-14-13-111921	11-217-27	13	11-22-21

Laboratory Reference: 2111-217 Project: 060172

% MOISTURE

Client ID	Lab ID	% Moisture	Date Analyzed
Client ID	Lab ID	70 WOISTUIE	Allalyzeu
CB-14-21-111921	11-217-28	24	11-22-21
CB-14-22-111921	11-217-29	26	11-22-21
CB-12-5-111921	11-217-30	14	11-22-21
CB-12-13-111921	11-217-31	14	11-22-21
CB-12-17-111921	11-217-32	28	11-22-21
CB-12-22-111921	11-217-33	17	11-22-21



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.
- 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 The sample chromatogram is similar to mineral spirits.
- ND Not Detected at PQL
- PQL Practical Quantitation Limit
- RPD Relative Percent Difference





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Chromatograms with final report Electronic Data Deliverables (EDDs)			Reviewed/Date	Reviewed/Date
Data Package: Standard 🗌 Level III 🗎 Level IV 🗎				Received
				Relinquished
				Received
	,			Relinquished
	1630	11/191	380)	Received
	12 1630	DILL	Aspect	Relinquished Mondal Quita
Comments/Special Instructions	Time	Date	Company	Signature
	4	+	1440 4	10 CB-03-7-111821 +
			1400	9 08-05-27.5-111821
			1356	8 CB-05-18-111821
			1330	7 08-05-12-111821
			1310	6 cB-05-7-111821
			1140	5 CB-04-26.5-111821
			1125	4 08-04-23,5-111821
			1110	3 (18-04-15-11182)
			1040	2 18-04-13-111821
	×	×	1010 80115	1 08-04-8.5-11821 11/18/2
(with PAHs PAHs PCBs Organ Organ Chlor Total Total TCLP	Volati	NWTF	Time Sampled Matrix	Lab ID Sample Identification Sampled
low-leve 8270E is 8082A nochlor nophos RCRA MTCA (oil and	les 826 jenated	PH-HCI PH-Gx/ PH-Gx	(other)	MMR/DRB
phorus Acid He Metals Metals			Contain	JERMY PORTER
w-level ticides Pesticide rbicide	s 8260		Standard (7 Days)	SPIC N' SPAN
8081B des 8270			X 2 Days XXXX	0172
)		Same Day 1 Day	Aspect Consumna
			(Check One)	
71-217	ory Number:	Laboratory N	(in working days)	Analytical Laboratory Testing Services 14648 NE 95th Street • Redmond, WA 98052



Page 2 of 4

Chromatograms with final report Electronic Data Deliverables (EDDs)	Chroma		Reviewed/Date	Reviewed/Date
Data Package: Standard 🗆 Level III 🗀 Level IV 🗆	Data Pa			Received
				Relinquished
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	1630	11/19/2	2000	Received
	630	11/9/21	ASpect	Relinquished MOMILL Date
Comments/Special Instructions	Time Comme	Date 1	Company	Signature
1		4	1045 4 4	20 (8-01-19-111821)
			(640)	19 (8-01-13-11)821
- re*			1630	18 08-01-7-11821
		43.	1550	17 08-02-22-11821
			545	16 08-02-21-111821
			O O	15 08-02-13-111821
	\ \ -		SAMPLES	14 08-02-8-111821
	4		1505	13 03-03-20-111821
			1500	12-08-03-21-111821
	_	×	11/18/21 1450/8011 5	11 08-03-8-111821 11/18
PCBs Organ Organ Chlor Total Total TCLP	Halog EDB I Semin (with	NWTF	Time Sampled Matrix	Lab ID Sample Identification Sampled
s 8082A nochlorin nophosp inated A RCRA M MTCA M	enated EPA 801 volatiles low-leve	PH-Gx/EPH-Gx () PH-Dx () les 8260	(other)	Sampled by: MMR/ORB
ne Pest phorus I Acid Her Metals Metals	Volatile 1 (Wate 8270E	☐ Acid		Teremu Porter
icides 8 Pesticid	ers Only /SIM)	/ SG C	Standard (7 Days)	ic n' span
081B es 8270 8151A)	lean-up	2 Days Kapays	060172
)	Same Day 1 Day	pect consuming -
			(Check One)	
-217	lumber: 11	Laboratory N	Turnaround Request (in working days)	Analytical Laboratory Testing Services 14648 NE 95th Street • Redmond, WA 98052



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4

Reviewed/Date Review	Received	Relinquished	Received	Relinquished	Received	Relinquished Mondal Little F	Signature Company	30 68-12-5-111921 1400	29 CB-14-22-11921 12	28 (8-14-21-111921 124	27 CB-14-13-111921 12	26 CB-14-6-111921 12	25 08-13-20-111921	24 08-13-110-111921 1050	23 CB-13-8-111921 10'	22 08-13-165111921* 1119/21/1027	21 (8-01-23-11182) 11/18/21/1650	Lab ID Sample Identification Sampled Sam	(A)	JENEMY DATE	Spien Spin Spin Spin Standard (7 Days)	Deniert Name: 0(00)72 X 2 Days	ASPECT CONSWITTING Same Day	Company.
Reviewed/Date					2220	Aspect	У	00	1250	1240	1230	1224	1100	50	1040	7	50 8011 5	Time Sampled Matrix	(other)	ontain		No. of the last of	1 Day	1
					11/18/11/10/20	11/19/21 1630	Date Time	4								-	×	NWTF NWTF NWTF Volatii	PH-Dx (les 8260 enated	Acid	/ SG Cl s 8260D))	
Chromatograms with final report Electronic Data Deliverables (EDDs)	Data Package: Standard ☐ Level III ☐ Level IV ☐,	*				* 08-13-5-111921	Comments/Special Instructions											Semix (with I PAHs PCBs Organ Organ Chlori Total F TCLP	volatiles ow-leve 8270E/ 8082A ochlorin ophosp	8270E, 82	/SIM) w-level) icides 8 Pesticide bicides	081B es 8270		



Page 4 of 4

Data Package: Standard Level III Level IV			Received
			Relinquished
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			Relinquished
0	11/19/24 110	380	Received
of 2-day TAT for all	11/19/21 14	Thomas Thomas	Relinquished Would Mit
		> 1	
Comments/Special Instructions	Date Time	Company	Signature
	4	¥ 1530 ¥ 4	33 CB-12-22-111921
	-	1520	32 CB-12-17-111921
	×	1500 Sil 5	31 (8-12-13-11)921
Semiv (with I PAHs PCBs Organ Organ Chlori Total I Total I	NWTP NWTP NWTP		Lab ID Sample Identification
PA 8011 volatiles 8: ow-level I 8270E/SI 8082A nochlorine nophospho nated Aci RCRA Me WTCA Me Metals (oil and gr	PH-Gx/BT	(other)	Sampled by: MMR
270E/PAHs) M (low Pestid Porus P d Heri tals	Acid	ntaine	Project Manager:
SIM v-level) cides 8 resticid bicides		Standard (7 Days)	Spic o' Span
8081B es 827		X 2 Days X 3 Days	060172
	o)	Same Day 1 Day	ASpect Consulting
		(Check One)	Phone: (425) 883-3881 • www.onsite-env.com
umber: 11-217	Laboratory Num	Turnaround Request (in working days)	Analytical Laboratory Testing Services 14648 NE 95th Street • Redmond, WA 98052



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

November 24, 2021

Jeremy Porter Aspect Consulting Dexter Horton Building 710 2nd Avenue, Suite 550 Seattle, WA 98104

Re: Analytical Data for Project 060172

Laboratory Reference No. 2111-226

Dear Jeremy:

Enclosed are the analytical results and associated quality control data for samples submitted on November 23, 2021.

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,

David Baumeister Project Manager

Enclosures



Laboratory Reference: 2111-226

Project: 060172

Case Narrative

Samples were collected on November 22, 2021 and received by the laboratory on November 23, 2021. 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.

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-Gx Analysis

The chromatogram for sample CB-8-3-112221 is similar to mineral spirits.

Volatiles EPA 8260D Analysis

The value reported for Acetone in samples CB-10-13-112221 and CB-6-15-112221 exceeds the calibration range and is therefore an estimate. The samples were re-analyzed at the lowest possible dilution allowed by Method 5035A with non-detect results for Acetone.

Please note that any other QA/QC issues associated with these extractions and analyses will be indicated with a footnote reference and discussed in detail on the Data Qualifier page.

Laboratory Reference: 2111-226

Project: 060172

GASOLINE RANGE ORGANICS NWTPH-Gx

Matrix: Soil

Units: mg/kg (ppm)

3 3 41 7				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	CB-10-6-112221					
Laboratory ID:	11-226-01					
Gasoline	ND	6.0	NWTPH-Gx	11-23-21	11-23-21	
Surrogate:	Percent Recovery	Control Limits				
Fluorobenzene	115	66-129				
Client ID:	CB-10-13-112221					
Laboratory ID:	11-226-02					
Gasoline	ND	8.1	NWTPH-Gx	11-23-21	11-23-21	
Surrogate:	Percent Recovery	Control Limits				
Fluorobenzene	122	66-129				
Client ID:	CB-10-16-112221					
Laboratory ID:	11-226-03					
Gasoline	ND	8.4	NWTPH-Gx	11-23-21	11-23-21	
Surrogate:	Percent Recovery	Control Limits				
Fluorobenzene	104	66-129				
Client ID:	CB-10-23.5-112221					
Laboratory ID:	11-226-04					
Gasoline	ND	6.9	NWTPH-Gx	11-23-21	11-23-21	
Surrogate:	Percent Recovery	Control Limits				
Fluorobenzene	113	66-129				
Client ID:	CB-8-3-112221					
Laboratory ID:	11-226-05					
Gasoline	8.6	5.4	NWTPH-Gx	11-23-21	11-23-21	Z
Surrogate:	Percent Recovery	Control Limits				
Fluorobenzene	112	66-129				
Client ID:	CB-8-10-112221					
Laboratory ID:	11-226-06					
Gasoline	ND	7.1	NWTPH-Gx	11-23-21	11-23-21	
Surrogate:	Percent Recovery	Control Limits				
Fluorobenzene	121	66-129				
Client ID:	CB-7-5-112221					
Laboratory ID:	11-226-07					
Gasoline	ND	5.6	NWTPH-Gx	11-23-21	11-23-21	
Surrogate:	Percent Recovery	Control Limits				
Fluorobenzene	114	66-129				

Laboratory Reference: 2111-226

Project: 060172

GASOLINE RANGE ORGANICS NWTPH-Gx

Matrix: Soil

Units: mg/kg (ppm)

5 5 4 1 1				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	CB-7-10.5-112221					
Laboratory ID:	11-226-08					
Gasoline	ND	7.4	NWTPH-Gx	11-23-21	11-23-21	
Surrogate:	Percent Recovery	Control Limits				
Fluorobenzene	129	66-129				
Client ID:	CB-6-5.0-112221					
Laboratory ID:	11-226-09					
Gasoline	ND	6.6	NWTPH-Gx	11-23-21	11-23-21	
Surrogate:	Percent Recovery	Control Limits				
Fluorobenzene	116	66-129				
Client ID:	CB-6-8.0-112221					
Laboratory ID:	11-226-10					
Gasoline	ND	6.8	NWTPH-Gx	11-23-21	11-23-21	
Surrogate:	Percent Recovery	Control Limits				
Fluorobenzene	113	66-129				
Client ID:	CB-6-15-112221					
Laboratory ID:	11-226-11					
Gasoline	ND	6.8	NWTPH-Gx	11-23-21	11-23-21	
Surrogate:	Percent Recovery	Control Limits				
Fluorobenzene	115	66-129				
Client ID:	CB-6-21-112221					
Laboratory ID:	11-226-12					
Gasoline	ND	8.3	NWTPH-Gx	11-23-21	11-23-21	
Surrogate:	Percent Recovery	Control Limits				
Fluorobenzene	124	66-129				

Laboratory Reference: 2111-226

Project: 060172

GASOLINE RANGE ORGANICS NWTPH-Gx QUALITY CONTROL

Matrix: Soil

Units: mg/kg (ppm)

				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1123S1					
Gasoline	ND	5.0	NWTPH-Gx	11-23-21	11-23-21	
Surrogate:	Percent Recovery	Control Limits				
Fluorobenzene	108	66-129				
Laboratory ID:	MB1123S2					
Gasoline	ND	5.0	NWTPH-Gx	11-23-21	11-23-21	
Surrogate:	Percent Recovery	Control Limits		·		
Fluorobenzene	106	66-129				

					Source	Per	cent	Recovery		RPD	
Analyte	Res	sult	Spike	Level	Result	Reco	overy	Limits	RPD	Limit	Flags
DUPLICATE											
Laboratory ID:	11-22	26-01									
	ORIG	DUP									
Gasoline	ND	ND	NA	NA		N	IA	NA	NA	30	
Surrogate:											
Fluorobenzene						115	120	66-129			
Laboratory ID:	11-22	26-02									
	ORIG	DUP									
Gasoline	ND	ND	NA	NA		N	IA	NA	NA	30	
Surrogate:											
Fluorobenzene						122	122	66-129			

Laboratory Reference: 2111-226

Project: 060172

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• • •				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	CB-10-6-112221					
Laboratory ID:	11-226-01					
Dichlorodifluoromethane	ND	0.0017	EPA 8260D	11-23-21	11-23-21	
Chloromethane	ND	0.0061	EPA 8260D	11-23-21	11-23-21	
Vinyl Chloride	ND	0.00095	EPA 8260D	11-23-21	11-23-21	
Bromomethane	ND	0.0047	EPA 8260D	11-23-21	11-23-21	
Chloroethane	ND	0.0047	EPA 8260D	11-23-21	11-23-21	
Trichlorofluoromethane	ND	0.00095	EPA 8260D	11-23-21	11-23-21	
1,1-Dichloroethene	ND	0.00095	EPA 8260D	11-23-21	11-23-21	
Acetone	0.021	0.0095	EPA 8260D	11-23-21	11-23-21	
lodomethane	ND	0.0047	EPA 8260D	11-23-21	11-23-21	
Carbon Disulfide	ND	0.00095	EPA 8260D	11-23-21	11-23-21	
Methylene Chloride	ND	0.0047	EPA 8260D	11-23-21	11-23-21	
(trans) 1,2-Dichloroethene	ND	0.00095	EPA 8260D	11-23-21	11-23-21	
Methyl t-Butyl Ether	ND	0.00095	EPA 8260D	11-23-21	11-23-21	
1,1-Dichloroethane	ND	0.00095	EPA 8260D	11-23-21	11-23-21	
Vinyl Acetate	ND	0.0047	EPA 8260D	11-23-21	11-23-21	
2,2-Dichloropropane	ND	0.00095	EPA 8260D	11-23-21	11-23-21	
(cis) 1,2-Dichloroethene	0.0013	0.00095	EPA 8260D	11-23-21	11-23-21	
2-Butanone	0.0049	0.0047	EPA 8260D	11-23-21	11-23-21	
Bromochloromethane	ND	0.00095	EPA 8260D	11-23-21	11-23-21	
Chloroform	ND	0.00095	EPA 8260D	11-23-21	11-23-21	
1,1,1-Trichloroethane	ND	0.00095	EPA 8260D	11-23-21	11-23-21	
Carbon Tetrachloride	ND	0.00095	EPA 8260D	11-23-21	11-23-21	
1,1-Dichloropropene	ND	0.00095	EPA 8260D	11-23-21	11-23-21	
Benzene	ND	0.00095	EPA 8260D	11-23-21	11-23-21	
1,2-Dichloroethane	ND	0.00095	EPA 8260D	11-23-21	11-23-21	
Trichloroethene	0.0079	0.00095	EPA 8260D	11-23-21	11-23-21	
1,2-Dichloropropane	ND	0.00095	EPA 8260D	11-23-21	11-23-21	
Dibromomethane	ND	0.00095	EPA 8260D	11-23-21	11-23-21	
Bromodichloromethane	ND	0.00095	EPA 8260D	11-23-21	11-23-21	
2-Chloroethyl Vinyl Ether	ND	0.0047	EPA 8260D	11-23-21	11-23-21	
(cis) 1,3-Dichloropropene	ND	0.00095	EPA 8260D	11-23-21	11-23-21	
Methyl Isobutyl Ketone	ND	0.0047	EPA 8260D	11-23-21	11-23-21	
Toluene	ND	0.0047	EPA 8260D	11-23-21	11-23-21	
(trans) 1,3-Dichloropropene	ND	0.00095	EPA 8260D	11-23-21	11-23-21	
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				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	CB-10-6-112221					
Laboratory ID:	11-226-01					
1,1,2-Trichloroethane	ND	0.00095	EPA 8260D	11-23-21	11-23-21	
Tetrachloroethene	0.14	0.00095	EPA 8260D	11-23-21	11-23-21	
1,3-Dichloropropane	ND	0.00095	EPA 8260D	11-23-21	11-23-21	
2-Hexanone	ND	0.0047	EPA 8260D	11-23-21	11-23-21	
Dibromochloromethane	ND	0.00095	EPA 8260D	11-23-21	11-23-21	
1,2-Dibromoethane	ND	0.00095	EPA 8260D	11-23-21	11-23-21	
Chlorobenzene	ND	0.00095	EPA 8260D	11-23-21	11-23-21	
1,1,1,2-Tetrachloroethane	ND	0.00095	EPA 8260D	11-23-21	11-23-21	
Ethylbenzene	ND	0.00095	EPA 8260D	11-23-21	11-23-21	
m,p-Xylene	ND	0.0019	EPA 8260D	11-23-21	11-23-21	
o-Xylene	ND	0.00095	EPA 8260D	11-23-21	11-23-21	
Styrene	ND	0.00095	EPA 8260D	11-23-21	11-23-21	
Bromoform	ND	0.0047	EPA 8260D	11-23-21	11-23-21	
Isopropylbenzene	ND	0.00095	EPA 8260D	11-23-21	11-23-21	
Bromobenzene	ND	0.00095	EPA 8260D	11-23-21	11-23-21	
1,1,2,2-Tetrachloroethane	ND	0.00095	EPA 8260D	11-23-21	11-23-21	
1,2,3-Trichloropropane	ND	0.00095	EPA 8260D	11-23-21	11-23-21	
n-Propylbenzene	ND	0.00095	EPA 8260D	11-23-21	11-23-21	
2-Chlorotoluene	ND	0.00095	EPA 8260D	11-23-21	11-23-21	
4-Chlorotoluene	ND	0.00095	EPA 8260D	11-23-21	11-23-21	
1,3,5-Trimethylbenzene	ND	0.00095	EPA 8260D	11-23-21	11-23-21	
tert-Butylbenzene	ND	0.00095	EPA 8260D	11-23-21	11-23-21	
1,2,4-Trimethylbenzene	0.0014	0.00095	EPA 8260D	11-23-21	11-23-21	
sec-Butylbenzene	ND	0.00095	EPA 8260D	11-23-21	11-23-21	
1,3-Dichlorobenzene	ND	0.00095	EPA 8260D	11-23-21	11-23-21	
p-Isopropyltoluene	0.0020	0.00095	EPA 8260D	11-23-21	11-23-21	
1,4-Dichlorobenzene	ND	0.00095	EPA 8260D	11-23-21	11-23-21	
1,2-Dichlorobenzene	ND	0.00095	EPA 8260D	11-23-21	11-23-21	
n-Butylbenzene	ND	0.00095	EPA 8260D	11-23-21	11-23-21	
1,2-Dibromo-3-chloropropane	e ND	0.0047	EPA 8260D	11-23-21	11-23-21	
1,2,4-Trichlorobenzene	ND	0.00095	EPA 8260D	11-23-21	11-23-21	
Hexachlorobutadiene	ND	0.0047	EPA 8260D	11-23-21	11-23-21	
Naphthalene	ND	0.0047	EPA 8260D	11-23-21	11-23-21	
1,2,3-Trichlorobenzene	ND	0.00095	EPA 8260D	11-23-21	11-23-21	
Surrogate:	Percent Recovery	Control Limits				
Dibromofluoromethane	99	74-131				
Toluene-d8	103	78-128				

4-Bromofluorobenzene

71-130

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				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	CB-10-13-112221					
Laboratory ID:	11-226-02					
Dichlorodifluoromethane	ND	0.0025	EPA 8260D	11-23-21	11-23-21	
Chloromethane	ND	0.0090	EPA 8260D	11-23-21	11-23-21	
Vinyl Chloride	ND	0.0014	EPA 8260D	11-23-21	11-23-21	
Bromomethane	ND	0.0069	EPA 8260D	11-23-21	11-23-21	
Chloroethane	ND	0.0069	EPA 8260D	11-23-21	11-23-21	
Trichlorofluoromethane	ND	0.0014	EPA 8260D	11-23-21	11-23-21	
1,1-Dichloroethene	ND	0.0014	EPA 8260D	11-23-21	11-23-21	
Acetone	1.0	0.014	EPA 8260D	11-23-21	11-23-21	Ε
lodomethane	ND	0.0069	EPA 8260D	11-23-21	11-23-21	
Carbon Disulfide	ND	0.0014	EPA 8260D	11-23-21	11-23-21	
Methylene Chloride	ND	0.0069	EPA 8260D	11-23-21	11-23-21	
(trans) 1,2-Dichloroethene	ND	0.0014	EPA 8260D	11-23-21	11-23-21	
Methyl t-Butyl Ether	ND	0.0014	EPA 8260D	11-23-21	11-23-21	
1,1-Dichloroethane	ND	0.0014	EPA 8260D	11-23-21	11-23-21	
Vinyl Acetate	ND	0.0069	EPA 8260D	11-23-21	11-23-21	
2,2-Dichloropropane	ND	0.0014	EPA 8260D	11-23-21	11-23-21	
(cis) 1,2-Dichloroethene	ND	0.0014	EPA 8260D	11-23-21	11-23-21	
2-Butanone	0.077	0.0069	EPA 8260D	11-23-21	11-23-21	
Bromochloromethane	ND	0.0014	EPA 8260D	11-23-21	11-23-21	
Chloroform	ND	0.0014	EPA 8260D	11-23-21	11-23-21	
1,1,1-Trichloroethane	ND	0.0014	EPA 8260D	11-23-21	11-23-21	
Carbon Tetrachloride	ND	0.0014	EPA 8260D	11-23-21	11-23-21	
1,1-Dichloropropene	ND	0.0014	EPA 8260D	11-23-21	11-23-21	
Benzene	ND	0.0014	EPA 8260D	11-23-21	11-23-21	
1,2-Dichloroethane	ND	0.0014	EPA 8260D	11-23-21	11-23-21	
Trichloroethene	ND	0.0014	EPA 8260D	11-23-21	11-23-21	
1,2-Dichloropropane	ND	0.0014	EPA 8260D	11-23-21	11-23-21	
Dibromomethane	ND	0.0014	EPA 8260D	11-23-21	11-23-21	
Bromodichloromethane	ND	0.0014	EPA 8260D	11-23-21	11-23-21	
2-Chloroethyl Vinyl Ether	ND	0.0069	EPA 8260D	11-23-21	11-23-21	
(cis) 1,3-Dichloropropene	ND	0.0014	EPA 8260D	11-23-21	11-23-21	
Methyl Isobutyl Ketone	ND	0.0069	EPA 8260D	11-23-21	11-23-21	
Toluene	ND	0.0069	EPA 8260D	11-23-21	11-23-21	
(trans) 1,3-Dichloropropene	ND	0.0014	EPA 8260D	11-23-21	11-23-21	

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Client ID:					Date	Date	
Laboratory D: 11-226-02 11,12-Trichloroethane ND	Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
1,1,2-Trichloroethane	Client ID:	CB-10-13-112221					
Tetrachloroethene ND 0.0014 EPA 8260D 11-23-21 11-23-21 13-Dichloropropane ND 0.0014 EPA 8260D 11-23-21 11-23-21 11-23-21 12-21-12-2	Laboratory ID:	11-226-02					
1,3-Dichloropropane ND 0.0014 EPA 8260D 11-23-21 11-23-21 2-Hexanone ND 0.0069 EPA 8260D 11-23-21 11-23-21 Dibromochloromethane ND 0.0014 EPA 8260D 11-23-21 11-23-21 1,2-Dibromochloromethane ND 0.0014 EPA 8260D 11-23-21 11-23-21 Chlorobenzene ND 0.0014 EPA 8260D 11-23-21 11-23-21 1,1,1,2-Tetrachloroethane ND 0.0014 EPA 8260D 11-23-21 11-23-21 Ethylbenzene ND 0.0014 EPA 8260D 11-23-21 11-23-21 Ethylbenzene ND 0.0014 EPA 8260D 11-23-21 11-23-21 Do-Xylene ND 0.0014 EPA 8260D 11-23-21 11-23-21 Styrene ND 0.0014 EPA 8260D 11-23-21 11-23-21 Bromoform ND 0.0044 EPA 8260D 11-23-21 11-23-21 Bromoform ND 0.0014 EPA 8260D 11-23	1,1,2-Trichloroethane	ND	0.0014	EPA 8260D	11-23-21	11-23-21	
December ND 0.0069 EPA 8260D 11-23-21 11-23	Tetrachloroethene	ND	0.0014	EPA 8260D	11-23-21	11-23-21	
Dibromochloromethane ND 0.0014 EPA 8260D 11-23-21 11-2	1,3-Dichloropropane	ND	0.0014	EPA 8260D	11-23-21	11-23-21	
1,2-Dibromoethane	2-Hexanone	ND	0.0069	EPA 8260D	11-23-21	11-23-21	
Chlorobenzene	Dibromochloromethane	ND	0.0014	EPA 8260D	11-23-21	11-23-21	
1,1,2,2-Tetrachloroethane	1,2-Dibromoethane	ND	0.0014	EPA 8260D	11-23-21	11-23-21	
Ethylbenzene ND 0.0014 EPA 8260D 11-23-21 11-23-	Chlorobenzene	ND	0.0014	EPA 8260D	11-23-21	11-23-21	
M.p. Xylene	1,1,1,2-Tetrachloroethane	ND	0.0014	EPA 8260D	11-23-21	11-23-21	
Documents No. Documents No. Documents Docu	Ethylbenzene	ND	0.0014	EPA 8260D	11-23-21	11-23-21	
Styrene ND 0.0014 EPA 8260D 11-23-21 11-23-	m,p-Xylene	ND	0.0028	EPA 8260D	11-23-21	11-23-21	
Second Form ND 0.0069 EPA 8260D 11-23-21 11	o-Xylene	ND	0.0014	EPA 8260D	11-23-21	11-23-21	
Sepropylbenzene ND 0.0014 EPA 8260D 11-23-21	Styrene	ND	0.0014	EPA 8260D	11-23-21	11-23-21	
Bromobenzene ND 0.0014 EPA 8260D 11-23-21 11-23-21 11-23-21 11,2,2-Tetrachloroethane ND 0.0014 EPA 8260D 11-23-21 11-	Bromoform	ND	0.0069	EPA 8260D	11-23-21	11-23-21	
1,1,2,2-Tetrachloroethane ND 0.0014 EPA 8260D 11-23-21 11-23-21 1,2,3-Trichloropropane ND 0.0014 EPA 8260D 11-23-21 11-23-21 n-Propylbenzene ND 0.0014 EPA 8260D 11-23-21 11-23-21 2-Chlorotoluene ND 0.0014 EPA 8260D 11-23-21 11-23-21 4-Chlorotoluene ND 0.0014 EPA 8260D 11-23-21 11-23-21 1,3,5-Trimethylbenzene ND 0.0014 EPA 8260D 11-23-21 11-23-21 1,2,4-Trimethylbenzene ND 0.0014 EPA 8260D 11-23-21 11-23-21 1,2,4-Trimethylbenzene ND 0.0014 EPA 8260D 11-23-21 11-23-21 1,3-Dichlorobenzene ND 0.0014 EPA 8260D 11-23-21 11-23-21 1,3-Dichlorobenzene ND 0.0014 EPA 8260D 11-23-21 11-23-21 1,4-Dichlorobenzene ND 0.0014 EPA 8260D 11-23-21 11-23-21 1,2-Dichlorobenzene ND	Isopropylbenzene	ND	0.0014	EPA 8260D	11-23-21	11-23-21	
1,2,3-Trichloropropane	Bromobenzene	ND	0.0014	EPA 8260D	11-23-21	11-23-21	
ND 0.0014 EPA 8260D 11-23-21 11-23-21 11-23-21 12-23-21 11-23	1,1,2,2-Tetrachloroethane	ND	0.0014	EPA 8260D	11-23-21	11-23-21	
2-Chlorotoluene ND 0.0014 EPA 8260D 11-23-21 11-23-21 1,3,5-Trimethylbenzene ND 0.0014 EPA 8260D 11-23-21 11-23	1,2,3-Trichloropropane	ND	0.0014	EPA 8260D	11-23-21	11-23-21	
A-Chlorotoluene ND 0.0014 EPA 8260D 11-23-21 11-23-21 11-23-21 12-23-21 11-	n-Propylbenzene	ND	0.0014	EPA 8260D	11-23-21	11-23-21	
1,3,5-Trimethylbenzene ND 0.0014 EPA 8260D 11-23-21 11-23	2-Chlorotoluene	ND	0.0014	EPA 8260D	11-23-21	11-23-21	
tert-Butylbenzene ND 0.0014 EPA 8260D 11-23-21 1	4-Chlorotoluene	ND	0.0014	EPA 8260D	11-23-21	11-23-21	
1,2,4-Trimethylbenzene ND 0.0014 EPA 8260D 11-23-21 11-23-21 sec-Butylbenzene ND 0.0014 EPA 8260D 11-23-21 11-23-21 1,3-Dichlorobenzene ND 0.0014 EPA 8260D 11-23-21 11-23-21 1,4-Dichlorobenzene ND 0.0014 EPA 8260D 11-23-21 11-23-21 1,2-Dichlorobenzene ND 0.0014 EPA 8260D 11-23-21 11-23-21 1,2-Dichlorobenzene ND 0.0014 EPA 8260D 11-23-21 11-23-21 1,2-Dibromo-3-chloropropane ND 0.0069 EPA 8260D 11-23-21 11-23-21 1,2,4-Trichlorobenzene ND 0.0014 EPA 8260D 11-23-21 11-23-21 Hexachlorobutadiene ND 0.0069 EPA 8260D 11-23-21 11-23-21	1,3,5-Trimethylbenzene	ND	0.0014	EPA 8260D	11-23-21	11-23-21	
sec-Butylbenzene ND 0.0014 EPA 8260D 11-23-21 11-23-21 1,3-Dichlorobenzene ND 0.0014 EPA 8260D 11-23-21 11-23-21 p-Isopropyltoluene ND 0.0014 EPA 8260D 11-23-21 11-23-21 1,4-Dichlorobenzene ND 0.0014 EPA 8260D 11-23-21 11-23-21 1,2-Dichlorobenzene ND 0.0014 EPA 8260D 11-23-21 11-23-21 n-Butylbenzene ND 0.0014 EPA 8260D 11-23-21 11-23-21 1,2-Dibromo-3-chloropropane ND 0.0069 EPA 8260D 11-23-21 11-23-21 1,2,4-Trichlorobenzene ND 0.0014 EPA 8260D 11-23-21 11-23-21 Hexachlorobutadiene ND 0.0069 EPA 8260D 11-23-21 11-23-21	tert-Butylbenzene	ND	0.0014	EPA 8260D	11-23-21	11-23-21	
1,3-Dichlorobenzene ND 0.0014 EPA 8260D 11-23-21	1,2,4-Trimethylbenzene	ND	0.0014	EPA 8260D	11-23-21	11-23-21	
p-Isopropyltoluene ND 0.0014 EPA 8260D 11-23-21 11-23-21 1,4-Dichlorobenzene ND 0.0014 EPA 8260D 11-23-21 11-23-21 1,2-Dichlorobenzene ND 0.0014 EPA 8260D 11-23-21 1	sec-Butylbenzene	ND	0.0014	EPA 8260D	11-23-21	11-23-21	
1,4-Dichlorobenzene ND 0.0014 EPA 8260D 11-23-21 11-23-21 1,2-Dichlorobenzene ND 0.0014 EPA 8260D 11-23-21 11-23-21 n-Butylbenzene ND 0.0014 EPA 8260D 11-23-21 11-23-21 1,2-Dibromo-3-chloropropane ND 0.0069 EPA 8260D 11-23-21 11-23-21 1,2,4-Trichlorobenzene ND 0.0014 EPA 8260D 11-23-21 11-23-21 Hexachlorobutadiene ND 0.0069 EPA 8260D 11-23-21 11-23-21	1,3-Dichlorobenzene	ND	0.0014	EPA 8260D	11-23-21	11-23-21	
1,2-Dichlorobenzene ND 0.0014 EPA 8260D 11-23-21 11-23-21 n-Butylbenzene ND 0.0014 EPA 8260D 11-23-21 11-23-21 1,2-Dibromo-3-chloropropane ND 0.0069 EPA 8260D 11-23-21 11-23-21 1,2,4-Trichlorobenzene ND 0.0014 EPA 8260D 11-23-21 11-23-21 Hexachlorobutadiene ND 0.0069 EPA 8260D 11-23-21 11-23-21	p-Isopropyltoluene	ND	0.0014	EPA 8260D	11-23-21	11-23-21	
n-Butylbenzene ND 0.0014 EPA 8260D 11-23-21 11-23-21 1,2-Dibromo-3-chloropropane ND 0.0069 EPA 8260D 11-23-21 11-23-21 1,2,4-Trichlorobenzene ND 0.0014 EPA 8260D 11-23-21 11-23-21 Hexachlorobutadiene ND 0.0069 EPA 8260D 11-23-21 11-23-21	1,4-Dichlorobenzene	ND	0.0014	EPA 8260D	11-23-21	11-23-21	
1,2-Dibromo-3-chloropropane ND 0.0069 EPA 8260D 11-23-21 11-23-21 1,2,4-Trichlorobenzene ND 0.0014 EPA 8260D 11-23-21 11-23-21 Hexachlorobutadiene ND 0.0069 EPA 8260D 11-23-21 11-23-21	1,2-Dichlorobenzene	ND	0.0014	EPA 8260D	11-23-21	11-23-21	
1,2,4-Trichlorobenzene ND 0.0014 EPA 8260D 11-23-21 11-23-21 Hexachlorobutadiene ND 0.0069 EPA 8260D 11-23-21 11-23-21	n-Butylbenzene	ND	0.0014	EPA 8260D	11-23-21	11-23-21	
Hexachlorobutadiene ND 0.0069 EPA 8260D 11-23-21 11-23-21	1,2-Dibromo-3-chloropropane	e ND	0.0069	EPA 8260D	11-23-21	11-23-21	
	1,2,4-Trichlorobenzene	ND	0.0014	EPA 8260D	11-23-21	11-23-21	
Naphthalene ND 0.0069 FPA 8260D 11-23-21 11-23-21	Hexachlorobutadiene	ND	0.0069	EPA 8260D	11-23-21	11-23-21	
1120 21 11 20 21 11 20 21	Naphthalene	ND	0.0069	EPA 8260D	11-23-21	11-23-21	
1,2,3-Trichlorobenzene ND 0.0014 EPA 8260D 11-23-21 11-23-21	1,2,3-Trichlorobenzene	ND	0.0014	EPA 8260D	11-23-21	11-23-21	
Surrogate: Percent Recovery Control Limits	Surrogate:	Percent Recovery	Control Limits				
Dibromofluoromethane 98 74-131	Dibromofluoromethane	98	74-131				
Toluene-d8 103 78-128	Toluene-d8	103	78-128				
4-Bromofluorobenzene 102 71-130	4-Bromofluorobenzene	102	71-130				

Laboratory Reference: 2111-226

Project: 060172

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				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	CB-10-16-112221					
Laboratory ID:	11-226-03					
Dichlorodifluoromethane	ND	0.0027	EPA 8260D	11-23-21	11-23-21	
Chloromethane	ND	0.0098	EPA 8260D	11-23-21	11-23-21	
Vinyl Chloride	ND	0.0015	EPA 8260D	11-23-21	11-23-21	
Bromomethane	ND	0.0075	EPA 8260D	11-23-21	11-23-21	
Chloroethane	ND	0.0075	EPA 8260D	11-23-21	11-23-21	
Trichlorofluoromethane	ND	0.0015	EPA 8260D	11-23-21	11-23-21	
1,1-Dichloroethene	ND	0.0015	EPA 8260D	11-23-21	11-23-21	
Acetone	0.27	0.015	EPA 8260D	11-23-21	11-23-21	
lodomethane	ND	0.0075	EPA 8260D	11-23-21	11-23-21	
Carbon Disulfide	ND	0.0015	EPA 8260D	11-23-21	11-23-21	
Methylene Chloride	ND	0.0075	EPA 8260D	11-23-21	11-23-21	
(trans) 1,2-Dichloroethene	ND	0.0015	EPA 8260D	11-23-21	11-23-21	
Methyl t-Butyl Ether	ND	0.0015	EPA 8260D	11-23-21	11-23-21	
1,1-Dichloroethane	ND	0.0015	EPA 8260D	11-23-21	11-23-21	
Vinyl Acetate	ND	0.0075	EPA 8260D	11-23-21	11-23-21	
2,2-Dichloropropane	ND	0.0015	EPA 8260D	11-23-21	11-23-21	
(cis) 1,2-Dichloroethene	ND	0.0015	EPA 8260D	11-23-21	11-23-21	
2-Butanone	0.023	0.0075	EPA 8260D	11-23-21	11-23-21	
Bromochloromethane	ND	0.0015	EPA 8260D	11-23-21	11-23-21	
Chloroform	ND	0.0015	EPA 8260D	11-23-21	11-23-21	
1,1,1-Trichloroethane	ND	0.0015	EPA 8260D	11-23-21	11-23-21	
Carbon Tetrachloride	ND	0.0015	EPA 8260D	11-23-21	11-23-21	
1,1-Dichloropropene	ND	0.0015	EPA 8260D	11-23-21	11-23-21	
Benzene	ND	0.0015	EPA 8260D	11-23-21	11-23-21	
1,2-Dichloroethane	ND	0.0015	EPA 8260D	11-23-21	11-23-21	
Trichloroethene	ND	0.0015	EPA 8260D	11-23-21	11-23-21	
1,2-Dichloropropane	ND	0.0015	EPA 8260D	11-23-21	11-23-21	
Dibromomethane	ND	0.0015	EPA 8260D	11-23-21	11-23-21	
Bromodichloromethane	ND	0.0015	EPA 8260D	11-23-21	11-23-21	
2-Chloroethyl Vinyl Ether	ND	0.0075	EPA 8260D	11-23-21	11-23-21	
(cis) 1,3-Dichloropropene	ND	0.0015	EPA 8260D	11-23-21	11-23-21	
Methyl Isobutyl Ketone	ND	0.0075	EPA 8260D	11-23-21	11-23-21	
Toluene	ND	0.0075	EPA 8260D	11-23-21	11-23-21	
(trans) 1,3-Dichloropropene	ND	0.0015	EPA 8260D	11-23-21	11-23-21	

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Project: 060172

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				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
	CB-10-16-112221					
Laboratory ID:	11-226-03					
1,1,2-Trichloroethane	ND	0.0015	EPA 8260D	11-23-21	11-23-21	
Tetrachloroethene	ND	0.0015	EPA 8260D	11-23-21	11-23-21	
1,3-Dichloropropane	ND	0.0015	EPA 8260D	11-23-21	11-23-21	
2-Hexanone	ND	0.0075	EPA 8260D	11-23-21	11-23-21	
Dibromochloromethane	ND	0.0015	EPA 8260D	11-23-21	11-23-21	
1,2-Dibromoethane	ND	0.0015	EPA 8260D	11-23-21	11-23-21	
Chlorobenzene	ND	0.0015	EPA 8260D	11-23-21	11-23-21	
1,1,1,2-Tetrachloroethane	ND	0.0015	EPA 8260D	11-23-21	11-23-21	
Ethylbenzene	ND	0.0015	EPA 8260D	11-23-21	11-23-21	
m,p-Xylene	ND	0.0030	EPA 8260D	11-23-21	11-23-21	
o-Xylene	ND	0.0015	EPA 8260D	11-23-21	11-23-21	
Styrene	ND	0.0015	EPA 8260D	11-23-21	11-23-21	
Bromoform	ND	0.0075	EPA 8260D	11-23-21	11-23-21	
Isopropylbenzene	ND	0.0015	EPA 8260D	11-23-21	11-23-21	
Bromobenzene	ND	0.0015	EPA 8260D	11-23-21	11-23-21	
1,1,2,2-Tetrachloroethane	ND	0.0015	EPA 8260D	11-23-21	11-23-21	
1,2,3-Trichloropropane	ND	0.0015	EPA 8260D	11-23-21	11-23-21	
n-Propylbenzene	ND	0.0015	EPA 8260D	11-23-21	11-23-21	
2-Chlorotoluene	ND	0.0015	EPA 8260D	11-23-21	11-23-21	
4-Chlorotoluene	ND	0.0015	EPA 8260D	11-23-21	11-23-21	
1,3,5-Trimethylbenzene	ND	0.0015	EPA 8260D	11-23-21	11-23-21	
tert-Butylbenzene	ND	0.0015	EPA 8260D	11-23-21	11-23-21	
1,2,4-Trimethylbenzene	ND	0.0015	EPA 8260D	11-23-21	11-23-21	
sec-Butylbenzene	ND	0.0015	EPA 8260D	11-23-21	11-23-21	
1,3-Dichlorobenzene	ND	0.0015	EPA 8260D	11-23-21	11-23-21	
p-Isopropyltoluene	ND	0.0015	EPA 8260D	11-23-21	11-23-21	
1,4-Dichlorobenzene	ND	0.0015	EPA 8260D	11-23-21	11-23-21	
1,2-Dichlorobenzene	ND	0.0015	EPA 8260D	11-23-21	11-23-21	
n-Butylbenzene	ND	0.0015	EPA 8260D	11-23-21	11-23-21	
1,2-Dibromo-3-chloropropane		0.0075	EPA 8260D	11-23-21	11-23-21	
1,2,4-Trichlorobenzene	ND	0.0015	EPA 8260D	11-23-21	11-23-21	
Hexachlorobutadiene	ND	0.0075	EPA 8260D	11-23-21	11-23-21	
Naphthalene	ND	0.0075	EPA 8260D	11-23-21	11-23-21	
1,2,3-Trichlorobenzene	ND	0.0015	EPA 8260D	11-23-21	11-23-21	
Surrogate:	Percent Recovery	Control Limits			-	
Dibromofluoromethane	100	74-131				
Toluene-d8	103	78-128				
4-Bromofluorobenzene	99	71-130				
T-DIOITIOIIUOIODEIIZEIIE	33	11-130				

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onits. Hig/kg				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	CB-10-23.5-112221					
Laboratory ID:	11-226-04					
Dichlorodifluoromethane	ND	0.0026	EPA 8260D	11-23-21	11-23-21	
Chloromethane	ND	0.0094	EPA 8260D	11-23-21	11-23-21	
Vinyl Chloride	ND	0.0015	EPA 8260D	11-23-21	11-23-21	
Bromomethane	ND	0.0073	EPA 8260D	11-23-21	11-23-21	
Chloroethane	ND	0.0073	EPA 8260D	11-23-21	11-23-21	
Trichlorofluoromethane	ND	0.0015	EPA 8260D	11-23-21	11-23-21	
1,1-Dichloroethene	ND	0.0015	EPA 8260D	11-23-21	11-23-21	
Acetone	0.18	0.015	EPA 8260D	11-23-21	11-23-21	
Iodomethane	ND	0.0073	EPA 8260D	11-23-21	11-23-21	
Carbon Disulfide	0.0026	0.0015	EPA 8260D	11-23-21	11-23-21	
Methylene Chloride	ND	0.0073	EPA 8260D	11-23-21	11-23-21	
(trans) 1,2-Dichloroethene	ND	0.0015	EPA 8260D	11-23-21	11-23-21	
Methyl t-Butyl Ether	ND	0.0015	EPA 8260D	11-23-21	11-23-21	
1,1-Dichloroethane	ND	0.0015	EPA 8260D	11-23-21	11-23-21	
Vinyl Acetate	ND	0.0073	EPA 8260D	11-23-21	11-23-21	
2,2-Dichloropropane	ND	0.0015	EPA 8260D	11-23-21	11-23-21	
(cis) 1,2-Dichloroethene	ND	0.0015	EPA 8260D	11-23-21	11-23-21	
2-Butanone	0.022	0.0073	EPA 8260D	11-23-21	11-23-21	
Bromochloromethane	ND	0.0015	EPA 8260D	11-23-21	11-23-21	
Chloroform	ND	0.0015	EPA 8260D	11-23-21	11-23-21	
1,1,1-Trichloroethane	ND	0.0015	EPA 8260D	11-23-21	11-23-21	
Carbon Tetrachloride	ND	0.0015	EPA 8260D	11-23-21	11-23-21	
1,1-Dichloropropene	ND	0.0015	EPA 8260D	11-23-21	11-23-21	
Benzene	ND	0.0015	EPA 8260D	11-23-21	11-23-21	
1,2-Dichloroethane	ND	0.0015	EPA 8260D	11-23-21	11-23-21	
Trichloroethene	ND	0.0015	EPA 8260D	11-23-21	11-23-21	
1,2-Dichloropropane	ND	0.0015	EPA 8260D	11-23-21	11-23-21	
Dibromomethane	ND	0.0015	EPA 8260D	11-23-21	11-23-21	
Bromodichloromethane	ND	0.0015	EPA 8260D	11-23-21	11-23-21	
2-Chloroethyl Vinyl Ether	ND	0.0073	EPA 8260D	11-23-21	11-23-21	
(cis) 1,3-Dichloropropene	ND	0.0015	EPA 8260D	11-23-21	11-23-21	
Methyl Isobutyl Ketone	ND	0.0073	EPA 8260D	11-23-21	11-23-21	
Toluene	ND	0.0073	EPA 8260D	11-23-21	11-23-21	
(trans) 1,3-Dichloropropene		0.0015	EPA 8260D	11-23-21	11-23-21	

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				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	CB-10-23.5-112221					
Laboratory ID:	11-226-04					
1,1,2-Trichloroethane	ND	0.0015	EPA 8260D	11-23-21	11-23-21	
Tetrachloroethene	0.0019	0.0015	EPA 8260D	11-23-21	11-23-21	
1,3-Dichloropropane	ND	0.0015	EPA 8260D	11-23-21	11-23-21	
2-Hexanone	ND	0.0073	EPA 8260D	11-23-21	11-23-21	
Dibromochloromethane	ND	0.0015	EPA 8260D	11-23-21	11-23-21	
1,2-Dibromoethane	ND	0.0015	EPA 8260D	11-23-21	11-23-21	
Chlorobenzene	ND	0.0015	EPA 8260D	11-23-21	11-23-21	
1,1,1,2-Tetrachloroethane	ND	0.0015	EPA 8260D	11-23-21	11-23-21	
Ethylbenzene	ND	0.0015	EPA 8260D	11-23-21	11-23-21	
m,p-Xylene	ND	0.0029	EPA 8260D	11-23-21	11-23-21	
o-Xylene	ND	0.0015	EPA 8260D	11-23-21	11-23-21	
Styrene	ND	0.0015	EPA 8260D	11-23-21	11-23-21	
Bromoform	ND	0.0073	EPA 8260D	11-23-21	11-23-21	
Isopropylbenzene	ND	0.0015	EPA 8260D	11-23-21	11-23-21	
Bromobenzene	ND	0.0015	EPA 8260D	11-23-21	11-23-21	
1,1,2,2-Tetrachloroethane	ND	0.0015	EPA 8260D	11-23-21	11-23-21	
1,2,3-Trichloropropane	ND	0.0015	EPA 8260D	11-23-21	11-23-21	
n-Propylbenzene	ND	0.0015	EPA 8260D	11-23-21	11-23-21	
2-Chlorotoluene	ND	0.0015	EPA 8260D	11-23-21	11-23-21	
4-Chlorotoluene	ND	0.0015	EPA 8260D	11-23-21	11-23-21	
1,3,5-Trimethylbenzene	ND	0.0015	EPA 8260D	11-23-21	11-23-21	
tert-Butylbenzene	ND	0.0015	EPA 8260D	11-23-21	11-23-21	
1,2,4-Trimethylbenzene	ND	0.0015	EPA 8260D	11-23-21	11-23-21	
sec-Butylbenzene	ND	0.0015	EPA 8260D	11-23-21	11-23-21	
1,3-Dichlorobenzene	ND	0.0015	EPA 8260D	11-23-21	11-23-21	
p-Isopropyltoluene	ND	0.0015	EPA 8260D	11-23-21	11-23-21	
1,4-Dichlorobenzene	ND	0.0015	EPA 8260D	11-23-21	11-23-21	
1,2-Dichlorobenzene	ND	0.0015	EPA 8260D	11-23-21	11-23-21	
n-Butylbenzene	ND	0.0015	EPA 8260D	11-23-21	11-23-21	
1,2-Dibromo-3-chloropropan	ne ND	0.0073	EPA 8260D	11-23-21	11-23-21	
1,2,4-Trichlorobenzene	ND	0.0015	EPA 8260D	11-23-21	11-23-21	
Hexachlorobutadiene	ND	0.0073	EPA 8260D	11-23-21	11-23-21	
Naphthalene	ND	0.0073	EPA 8260D	11-23-21	11-23-21	
1,2,3-Trichlorobenzene	ND	0.0015	EPA 8260D	11-23-21	11-23-21	
Surrogate:	Percent Recovery	Control Limits				
Dibromofluoromethane	99	74-131				
Toluene-d8	104	78-128				
4-Bromofluorobenzene	101	71-130				

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				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	CB-8-3-112221					
Laboratory ID:	11-226-05					
Dichlorodifluoromethane	ND	0.0019	EPA 8260D	11-23-21	11-23-21	
Chloromethane	ND	0.0069	EPA 8260D	11-23-21	11-23-21	
Vinyl Chloride	ND	0.0011	EPA 8260D	11-23-21	11-23-21	
Bromomethane	ND	0.0053	EPA 8260D	11-23-21	11-23-21	
Chloroethane	ND	0.0053	EPA 8260D	11-23-21	11-23-21	
Trichlorofluoromethane	ND	0.0011	EPA 8260D	11-23-21	11-23-21	
1,1-Dichloroethene	ND	0.0011	EPA 8260D	11-23-21	11-23-21	
Acetone	0.026	0.011	EPA 8260D	11-23-21	11-23-21	
Iodomethane	ND	0.0053	EPA 8260D	11-23-21	11-23-21	
Carbon Disulfide	ND	0.0011	EPA 8260D	11-23-21	11-23-21	
Methylene Chloride	ND	0.0053	EPA 8260D	11-23-21	11-23-21	
(trans) 1,2-Dichloroethene	ND	0.0011	EPA 8260D	11-23-21	11-23-21	
Methyl t-Butyl Ether	ND	0.0011	EPA 8260D	11-23-21	11-23-21	
1,1-Dichloroethane	ND	0.0011	EPA 8260D	11-23-21	11-23-21	
Vinyl Acetate	ND	0.0053	EPA 8260D	11-23-21	11-23-21	
2,2-Dichloropropane	ND	0.0011	EPA 8260D	11-23-21	11-23-21	
(cis) 1,2-Dichloroethene	ND	0.0011	EPA 8260D	11-23-21	11-23-21	
2-Butanone	ND	0.0053	EPA 8260D	11-23-21	11-23-21	
Bromochloromethane	ND	0.0011	EPA 8260D	11-23-21	11-23-21	
Chloroform	ND	0.0011	EPA 8260D	11-23-21	11-23-21	
1,1,1-Trichloroethane	ND	0.0011	EPA 8260D	11-23-21	11-23-21	
Carbon Tetrachloride	ND	0.0011	EPA 8260D	11-23-21	11-23-21	
1,1-Dichloropropene	ND	0.0011	EPA 8260D	11-23-21	11-23-21	
Benzene	ND	0.0011	EPA 8260D	11-23-21	11-23-21	
1,2-Dichloroethane	ND	0.0011	EPA 8260D	11-23-21	11-23-21	
Trichloroethene	ND	0.0011	EPA 8260D	11-23-21	11-23-21	
1,2-Dichloropropane	ND	0.0011	EPA 8260D	11-23-21	11-23-21	
Dibromomethane	ND	0.0011	EPA 8260D	11-23-21	11-23-21	
Bromodichloromethane	ND	0.0011	EPA 8260D	11-23-21	11-23-21	
2-Chloroethyl Vinyl Ether	ND	0.0053	EPA 8260D	11-23-21	11-23-21	
(cis) 1,3-Dichloropropene	ND	0.0011	EPA 8260D	11-23-21	11-23-21	
Methyl Isobutyl Ketone	ND	0.0053	EPA 8260D	11-23-21	11-23-21	
Toluene	ND	0.0053	EPA 8260D	11-23-21	11-23-21	
(trans) 1,3-Dichloropropene	ND	0.0011	EPA 8260D	11-23-21	11-23-21	

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Amalista	Decid	DO!	Ma411	Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	CB-8-3-112221					
Laboratory ID:	11-226-05					
1,1,2-Trichloroethane	ND	0.0011	EPA 8260D	11-23-21	11-23-21	
Tetrachloroethene	0.0016	0.0011	EPA 8260D	11-23-21	11-23-21	
1,3-Dichloropropane	ND	0.0011	EPA 8260D	11-23-21	11-23-21	
2-Hexanone	ND	0.0053	EPA 8260D	11-23-21	11-23-21	
Dibromochloromethane	ND	0.0011	EPA 8260D	11-23-21	11-23-21	
1,2-Dibromoethane	ND	0.0011	EPA 8260D	11-23-21	11-23-21	
Chlorobenzene	ND	0.0011	EPA 8260D	11-23-21	11-23-21	
1,1,1,2-Tetrachloroethane	ND	0.0011	EPA 8260D	11-23-21	11-23-21	
Ethylbenzene	ND	0.0011	EPA 8260D	11-23-21	11-23-21	
m,p-Xylene	ND	0.0021	EPA 8260D	11-23-21	11-23-21	
o-Xylene	ND	0.0011	EPA 8260D	11-23-21	11-23-21	
Styrene	ND	0.0011	EPA 8260D	11-23-21	11-23-21	
Bromoform	ND	0.0053	EPA 8260D	11-23-21	11-23-21	
Isopropylbenzene	ND	0.0011	EPA 8260D	11-23-21	11-23-21	
Bromobenzene	ND	0.060	EPA 8260D	11-24-21	11-24-21	
1,1,2,2-Tetrachloroethane	ND	0.060	EPA 8260D	11-24-21	11-24-21	
1,2,3-Trichloropropane	ND	0.060	EPA 8260D	11-24-21	11-24-21	
n-Propylbenzene	ND	0.060	EPA 8260D	11-24-21	11-24-21	
2-Chlorotoluene	ND	0.060	EPA 8260D	11-24-21	11-24-21	
4-Chlorotoluene	ND	0.060	EPA 8260D	11-24-21	11-24-21	
1,3,5-Trimethylbenzene	ND	0.060	EPA 8260D	11-24-21	11-24-21	
tert-Butylbenzene	ND	0.060	EPA 8260D	11-24-21	11-24-21	
1,2,4-Trimethylbenzene	ND	0.060	EPA 8260D	11-24-21	11-24-21	
sec-Butylbenzene	ND	0.060	EPA 8260D	11-24-21	11-24-21	
1,3-Dichlorobenzene	ND	0.060	EPA 8260D	11-24-21	11-24-21	
p-Isopropyltoluene	ND	0.060	EPA 8260D	11-24-21	11-24-21	
1,4-Dichlorobenzene	ND	0.060	EPA 8260D	11-24-21	11-24-21	
1,2-Dichlorobenzene	ND	0.060	EPA 8260D	11-24-21	11-24-21	
n-Butylbenzene	ND	0.060	EPA 8260D	11-24-21	11-24-21	
1,2-Dibromo-3-chloropropane		0.30	EPA 8260D	11-24-21	11-24-21	
1,2,4-Trichlorobenzene	ND	0.060	EPA 8260D	11-24-21	11-24-21	
Hexachlorobutadiene	ND	0.30	EPA 8260D	11-24-21	11-24-21	
Naphthalene	ND	0.30	EPA 8260D	11-24-21	11-24-21	
1,2,3-Trichlorobenzene	ND	0.060	EPA 8260D	11-24-21	11-24-21	
Surrogate:	Percent Recovery	Control Limits				
Dibromofluoromethane	105	74-131				
Toluene-d8	96	78-128				

Toluene-d8 78-128 4-Bromofluorobenzene 90 71-130

Laboratory Reference: 2111-226

Project: 060172

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				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	CB-8-10-112221					
Laboratory ID:	11-226-06					
Dichlorodifluoromethane	ND	0.0025	EPA 8260D	11-23-21	11-23-21	
Chloromethane	ND	0.0090	EPA 8260D	11-23-21	11-23-21	
Vinyl Chloride	ND	0.0014	EPA 8260D	11-23-21	11-23-21	
Bromomethane	ND	0.0069	EPA 8260D	11-23-21	11-23-21	
Chloroethane	ND	0.0069	EPA 8260D	11-23-21	11-23-21	
Trichlorofluoromethane	ND	0.0014	EPA 8260D	11-23-21	11-23-21	
1,1-Dichloroethene	ND	0.0014	EPA 8260D	11-23-21	11-23-21	
Acetone	0.36	0.014	EPA 8260D	11-23-21	11-23-21	
Iodomethane	ND	0.0069	EPA 8260D	11-23-21	11-23-21	
Carbon Disulfide	ND	0.0014	EPA 8260D	11-23-21	11-23-21	
Methylene Chloride	ND	0.0069	EPA 8260D	11-23-21	11-23-21	
(trans) 1,2-Dichloroethene	ND	0.0014	EPA 8260D	11-23-21	11-23-21	
Methyl t-Butyl Ether	ND	0.0014	EPA 8260D	11-23-21	11-23-21	
1,1-Dichloroethane	ND	0.0014	EPA 8260D	11-23-21	11-23-21	
Vinyl Acetate	ND	0.0069	EPA 8260D	11-23-21	11-23-21	
2,2-Dichloropropane	ND	0.0014	EPA 8260D	11-23-21	11-23-21	
(cis) 1,2-Dichloroethene	ND	0.0014	EPA 8260D	11-23-21	11-23-21	
2-Butanone	0.022	0.0069	EPA 8260D	11-23-21	11-23-21	
Bromochloromethane	ND	0.0014	EPA 8260D	11-23-21	11-23-21	
Chloroform	ND	0.0014	EPA 8260D	11-23-21	11-23-21	
1,1,1-Trichloroethane	ND	0.0014	EPA 8260D	11-23-21	11-23-21	
Carbon Tetrachloride	ND	0.0014	EPA 8260D	11-23-21	11-23-21	
1,1-Dichloropropene	ND	0.0014	EPA 8260D	11-23-21	11-23-21	
Benzene	ND	0.0014	EPA 8260D	11-23-21	11-23-21	
1,2-Dichloroethane	ND	0.0014	EPA 8260D	11-23-21	11-23-21	
Trichloroethene	ND	0.0014	EPA 8260D	11-23-21	11-23-21	
1,2-Dichloropropane	ND	0.0014	EPA 8260D	11-23-21	11-23-21	
Dibromomethane	ND	0.0014	EPA 8260D	11-23-21	11-23-21	
Bromodichloromethane	ND	0.0014	EPA 8260D	11-23-21	11-23-21	
2-Chloroethyl Vinyl Ether	ND	0.0069	EPA 8260D	11-23-21	11-23-21	
(cis) 1,3-Dichloropropene	ND	0.0014	EPA 8260D	11-23-21	11-23-21	
Methyl Isobutyl Ketone	ND	0.0069	EPA 8260D	11-23-21	11-23-21	
Toluene	ND	0.0069	EPA 8260D	11-23-21	11-23-21	
(trans) 1,3-Dichloropropene	ND	0.0014	EPA 8260D	11-23-21	11-23-21	

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				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	CB-8-10-112221					
Laboratory ID:	11-226-06					
1,1,2-Trichloroethane	ND	0.0014	EPA 8260D	11-23-21	11-23-21	
Tetrachloroethene	0.0033	0.0014	EPA 8260D	11-23-21	11-23-21	
1,3-Dichloropropane	ND	0.0014	EPA 8260D	11-23-21	11-23-21	
2-Hexanone	ND	0.0069	EPA 8260D	11-23-21	11-23-21	
Dibromochloromethane	ND	0.0014	EPA 8260D	11-23-21	11-23-21	
1,2-Dibromoethane	ND	0.0014	EPA 8260D	11-23-21	11-23-21	
Chlorobenzene	ND	0.0014	EPA 8260D	11-23-21	11-23-21	
1,1,1,2-Tetrachloroethane	ND	0.0014	EPA 8260D	11-23-21	11-23-21	
Ethylbenzene	ND	0.0014	EPA 8260D	11-23-21	11-23-21	
m,p-Xylene	ND	0.0028	EPA 8260D	11-23-21	11-23-21	
o-Xylene	ND	0.0014	EPA 8260D	11-23-21	11-23-21	
Styrene	ND	0.0014	EPA 8260D	11-23-21	11-23-21	
Bromoform	ND	0.0069	EPA 8260D	11-23-21	11-23-21	
Isopropylbenzene	ND	0.0014	EPA 8260D	11-23-21	11-23-21	
Bromobenzene	ND	0.0014	EPA 8260D	11-23-21	11-23-21	
1,1,2,2-Tetrachloroethane	ND	0.0014	EPA 8260D	11-23-21	11-23-21	
1,2,3-Trichloropropane	ND	0.0014	EPA 8260D	11-23-21	11-23-21	
n-Propylbenzene	ND	0.0014	EPA 8260D	11-23-21	11-23-21	
2-Chlorotoluene	ND	0.0014	EPA 8260D	11-23-21	11-23-21	
4-Chlorotoluene	ND	0.0014	EPA 8260D	11-23-21	11-23-21	
1,3,5-Trimethylbenzene	ND	0.0014	EPA 8260D	11-23-21	11-23-21	
tert-Butylbenzene	ND	0.0014	EPA 8260D	11-23-21	11-23-21	
1,2,4-Trimethylbenzene	ND	0.0014	EPA 8260D	11-23-21	11-23-21	
sec-Butylbenzene	ND	0.0014	EPA 8260D	11-23-21	11-23-21	
1,3-Dichlorobenzene	ND	0.0014	EPA 8260D	11-23-21	11-23-21	
p-Isopropyltoluene	ND	0.0014	EPA 8260D	11-23-21	11-23-21	
1,4-Dichlorobenzene	ND	0.0014	EPA 8260D	11-23-21	11-23-21	
1,2-Dichlorobenzene	ND	0.0014	EPA 8260D	11-23-21	11-23-21	
n-Butylbenzene	ND	0.0014	EPA 8260D	11-23-21	11-23-21	
1,2-Dibromo-3-chloropropane	ND	0.0069	EPA 8260D	11-23-21	11-23-21	
1,2,4-Trichlorobenzene	ND	0.0014	EPA 8260D	11-23-21	11-23-21	
Hexachlorobutadiene	ND	0.0069	EPA 8260D	11-23-21	11-23-21	
Naphthalene	ND	0.0069	EPA 8260D	11-23-21	11-23-21	
1,2,3-Trichlorobenzene	ND	0.0014	EPA 8260D	11-23-21	11-23-21	
Surrogate:	Percent Recovery	Control Limits				
Dibromofluoromethane	101	74-131				
Toluene-d8	100	78-128				
4-Bromofluorobenzene	93	71-130				

Laboratory Reference: 2111-226

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				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	CB-7-5-112221					
Laboratory ID:	11-226-07					
Dichlorodifluoromethane	ND	0.0022	EPA 8260D	11-23-21	11-23-21	
Chloromethane	ND	0.0080	EPA 8260D	11-23-21	11-23-21	
Vinyl Chloride	ND	0.0012	EPA 8260D	11-23-21	11-23-21	
Bromomethane	ND	0.0061	EPA 8260D	11-23-21	11-23-21	
Chloroethane	ND	0.0061	EPA 8260D	11-23-21	11-23-21	
Trichlorofluoromethane	ND	0.0012	EPA 8260D	11-23-21	11-23-21	
1,1-Dichloroethene	ND	0.0012	EPA 8260D	11-23-21	11-23-21	
Acetone	ND	0.012	EPA 8260D	11-23-21	11-23-21	
Iodomethane	ND	0.0061	EPA 8260D	11-23-21	11-23-21	
Carbon Disulfide	ND	0.0012	EPA 8260D	11-23-21	11-23-21	
Methylene Chloride	ND	0.0061	EPA 8260D	11-23-21	11-23-21	
(trans) 1,2-Dichloroethene	ND	0.0012	EPA 8260D	11-23-21	11-23-21	
Methyl t-Butyl Ether	ND	0.0012	EPA 8260D	11-23-21	11-23-21	
1,1-Dichloroethane	ND	0.0012	EPA 8260D	11-23-21	11-23-21	
Vinyl Acetate	ND	0.0061	EPA 8260D	11-23-21	11-23-21	
2,2-Dichloropropane	ND	0.0012	EPA 8260D	11-23-21	11-23-21	
(cis) 1,2-Dichloroethene	ND	0.0012	EPA 8260D	11-23-21	11-23-21	
2-Butanone	ND	0.0061	EPA 8260D	11-23-21	11-23-21	
Bromochloromethane	ND	0.0012	EPA 8260D	11-23-21	11-23-21	
Chloroform	ND	0.0012	EPA 8260D	11-23-21	11-23-21	
1,1,1-Trichloroethane	ND	0.0012	EPA 8260D	11-23-21	11-23-21	
Carbon Tetrachloride	ND	0.0012	EPA 8260D	11-23-21	11-23-21	
1,1-Dichloropropene	ND	0.0012	EPA 8260D	11-23-21	11-23-21	
Benzene	ND	0.0012	EPA 8260D	11-23-21	11-23-21	
1,2-Dichloroethane	ND	0.0012	EPA 8260D	11-23-21	11-23-21	
Trichloroethene	ND	0.0012	EPA 8260D	11-23-21	11-23-21	
1,2-Dichloropropane	ND	0.0012	EPA 8260D	11-23-21	11-23-21	
Dibromomethane	ND	0.0012	EPA 8260D	11-23-21	11-23-21	
Bromodichloromethane	ND	0.0012	EPA 8260D	11-23-21	11-23-21	
2-Chloroethyl Vinyl Ether	ND	0.0061	EPA 8260D	11-23-21	11-23-21	
(cis) 1,3-Dichloropropene	ND	0.0012	EPA 8260D	11-23-21	11-23-21	
Methyl Isobutyl Ketone	ND	0.0061	EPA 8260D	11-23-21	11-23-21	
Toluene	ND	0.0061	EPA 8260D	11-23-21	11-23-21	
(trans) 1,3-Dichloropropene	ND	0.0012	EPA 8260D	11-23-21	11-23-21	

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				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	CB-7-5-112221					
Laboratory ID:	11-226-07					
1,1,2-Trichloroethane	ND	0.0012	EPA 8260D	11-23-21	11-23-21	
Tetrachloroethene	0.0019	0.0012	EPA 8260D	11-23-21	11-23-21	
1,3-Dichloropropane	ND	0.0012	EPA 8260D	11-23-21	11-23-21	
2-Hexanone	ND	0.0061	EPA 8260D	11-23-21	11-23-21	
Dibromochloromethane	ND	0.0012	EPA 8260D	11-23-21	11-23-21	
1,2-Dibromoethane	ND	0.0012	EPA 8260D	11-23-21	11-23-21	
Chlorobenzene	ND	0.0012	EPA 8260D	11-23-21	11-23-21	
1,1,1,2-Tetrachloroethane	ND	0.0012	EPA 8260D	11-23-21	11-23-21	
Ethylbenzene	ND	0.0012	EPA 8260D	11-23-21	11-23-21	
m,p-Xylene	ND	0.0024	EPA 8260D	11-23-21	11-23-21	
o-Xylene	ND	0.0012	EPA 8260D	11-23-21	11-23-21	
Styrene	ND	0.0012	EPA 8260D	11-23-21	11-23-21	
Bromoform	ND	0.0061	EPA 8260D	11-23-21	11-23-21	
Isopropylbenzene	ND	0.0012	EPA 8260D	11-23-21	11-23-21	
Bromobenzene	ND	0.0012	EPA 8260D	11-23-21	11-23-21	
1,1,2,2-Tetrachloroethane	ND	0.0012	EPA 8260D	11-23-21	11-23-21	
1,2,3-Trichloropropane	ND	0.0012	EPA 8260D	11-23-21	11-23-21	
n-Propylbenzene	ND	0.0012	EPA 8260D	11-23-21	11-23-21	
2-Chlorotoluene	ND	0.0012	EPA 8260D	11-23-21	11-23-21	
4-Chlorotoluene	ND	0.0012	EPA 8260D	11-23-21	11-23-21	
1,3,5-Trimethylbenzene	ND	0.0012	EPA 8260D	11-23-21	11-23-21	
tert-Butylbenzene	ND	0.0012	EPA 8260D	11-23-21	11-23-21	
1,2,4-Trimethylbenzene	ND	0.0012	EPA 8260D	11-23-21	11-23-21	
sec-Butylbenzene	ND	0.0012	EPA 8260D	11-23-21	11-23-21	
1,3-Dichlorobenzene	ND	0.0012	EPA 8260D	11-23-21	11-23-21	
p-Isopropyltoluene	ND	0.0012	EPA 8260D	11-23-21	11-23-21	
1,4-Dichlorobenzene	ND	0.0012	EPA 8260D	11-23-21	11-23-21	
1,2-Dichlorobenzene	ND	0.0012	EPA 8260D	11-23-21	11-23-21	
n-Butylbenzene	ND	0.0012	EPA 8260D	11-23-21	11-23-21	
1,2-Dibromo-3-chloropropane	ND	0.0061	EPA 8260D	11-23-21	11-23-21	
1,2,4-Trichlorobenzene	ND	0.0012	EPA 8260D	11-23-21	11-23-21	
Hexachlorobutadiene	ND	0.0061	EPA 8260D	11-23-21	11-23-21	
Naphthalene	ND	0.0061	EPA 8260D	11-23-21	11-23-21	
1,2,3-Trichlorobenzene	ND	0.0012	EPA 8260D	11-23-21	11-23-21	
Surrogate:	Percent Recovery	Control Limits				
Dibromofluoromethane	97	74-131				

 Dibromofluoromethane
 97
 74-131

 Toluene-d8
 103
 78-128

 4-Bromofluorobenzene
 100
 71-130



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				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	CB-7-10.5-112221					
Laboratory ID:	11-226-08					
Dichlorodifluoromethane	ND	0.0025	EPA 8260D	11-23-21	11-23-21	
Chloromethane	ND	0.0091	EPA 8260D	11-23-21	11-23-21	
Vinyl Chloride	ND	0.0014	EPA 8260D	11-23-21	11-23-21	
Bromomethane	ND	0.0070	EPA 8260D	11-23-21	11-23-21	
Chloroethane	ND	0.0070	EPA 8260D	11-23-21	11-23-21	
Trichlorofluoromethane	ND	0.0014	EPA 8260D	11-23-21	11-23-21	
1,1-Dichloroethene	ND	0.0014	EPA 8260D	11-23-21	11-23-21	
Acetone	1.1	0.80	EPA 8260D	11-24-21	11-24-21	Υ
Iodomethane	ND	0.0070	EPA 8260D	11-23-21	11-23-21	
Carbon Disulfide	ND	0.0014	EPA 8260D	11-23-21	11-23-21	
Methylene Chloride	ND	0.0070	EPA 8260D	11-23-21	11-23-21	
(trans) 1,2-Dichloroethene	ND	0.0014	EPA 8260D	11-23-21	11-23-21	
Methyl t-Butyl Ether	ND	0.0014	EPA 8260D	11-23-21	11-23-21	
1,1-Dichloroethane	ND	0.0014	EPA 8260D	11-23-21	11-23-21	
Vinyl Acetate	ND	0.0070	EPA 8260D	11-23-21	11-23-21	
2,2-Dichloropropane	ND	0.0014	EPA 8260D	11-23-21	11-23-21	
(cis) 1,2-Dichloroethene	ND	0.0014	EPA 8260D	11-23-21	11-23-21	
2-Butanone	0.084	0.0070	EPA 8260D	11-23-21	11-23-21	
Bromochloromethane	ND	0.0014	EPA 8260D	11-23-21	11-23-21	
Chloroform	ND	0.0014	EPA 8260D	11-23-21	11-23-21	
1,1,1-Trichloroethane	ND	0.0014	EPA 8260D	11-23-21	11-23-21	
Carbon Tetrachloride	ND	0.0014	EPA 8260D	11-23-21	11-23-21	
1,1-Dichloropropene	ND	0.0014	EPA 8260D	11-23-21	11-23-21	
Benzene	ND	0.0014	EPA 8260D	11-23-21	11-23-21	
1,2-Dichloroethane	ND	0.0014	EPA 8260D	11-23-21	11-23-21	
Trichloroethene	ND	0.0014	EPA 8260D	11-23-21	11-23-21	
1,2-Dichloropropane	ND	0.0014	EPA 8260D	11-23-21	11-23-21	
Dibromomethane	ND	0.0014	EPA 8260D	11-23-21	11-23-21	
Bromodichloromethane	ND	0.0014	EPA 8260D	11-23-21	11-23-21	
2-Chloroethyl Vinyl Ether	ND	0.0070	EPA 8260D	11-23-21	11-23-21	
(cis) 1,3-Dichloropropene	ND	0.0014	EPA 8260D	11-23-21	11-23-21	
Methyl Isobutyl Ketone	ND	0.0070	EPA 8260D	11-23-21	11-23-21	
Toluene	ND	0.0070	EPA 8260D	11-23-21	11-23-21	
(trans) 1,3-Dichloropropene	e ND	0.0014	EPA 8260D	11-23-21	11-23-21	

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				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	CB-7-10.5-112221					
Laboratory ID:	11-226-08					
1,1,2-Trichloroethane	ND	0.0014	EPA 8260D	11-23-21	11-23-21	
Tetrachloroethene	0.0029	0.0014	EPA 8260D	11-23-21	11-23-21	
1,3-Dichloropropane	ND	0.0014	EPA 8260D	11-23-21	11-23-21	
2-Hexanone	ND	0.0070	EPA 8260D	11-23-21	11-23-21	
Dibromochloromethane	ND	0.0014	EPA 8260D	11-23-21	11-23-21	
1,2-Dibromoethane	ND	0.0014	EPA 8260D	11-23-21	11-23-21	
Chlorobenzene	ND	0.0014	EPA 8260D	11-23-21	11-23-21	
1,1,1,2-Tetrachloroethane	ND	0.0014	EPA 8260D	11-23-21	11-23-21	
Ethylbenzene	ND	0.0014	EPA 8260D	11-23-21	11-23-21	
m,p-Xylene	ND	0.0028	EPA 8260D	11-23-21	11-23-21	
o-Xylene	ND	0.0014	EPA 8260D	11-23-21	11-23-21	
Styrene	ND	0.0014	EPA 8260D	11-23-21	11-23-21	
Bromoform	ND	0.0070	EPA 8260D	11-23-21	11-23-21	
Isopropylbenzene	ND	0.0014	EPA 8260D	11-23-21	11-23-21	
Bromobenzene	ND	0.0014	EPA 8260D	11-23-21	11-23-21	
1,1,2,2-Tetrachloroethane	ND	0.0014	EPA 8260D	11-23-21	11-23-21	
1,2,3-Trichloropropane	ND	0.0014	EPA 8260D	11-23-21	11-23-21	
n-Propylbenzene	ND	0.0014	EPA 8260D	11-23-21	11-23-21	
2-Chlorotoluene	ND	0.0014	EPA 8260D	11-23-21	11-23-21	
4-Chlorotoluene	ND	0.0014	EPA 8260D	11-23-21	11-23-21	
1,3,5-Trimethylbenzene	ND	0.0014	EPA 8260D	11-23-21	11-23-21	
tert-Butylbenzene	ND	0.0014	EPA 8260D	11-23-21	11-23-21	
1,2,4-Trimethylbenzene	ND	0.0014	EPA 8260D	11-23-21	11-23-21	
sec-Butylbenzene	ND	0.0014	EPA 8260D	11-23-21	11-23-21	
1,3-Dichlorobenzene	ND	0.0014	EPA 8260D	11-23-21	11-23-21	
p-Isopropyltoluene	ND	0.0014	EPA 8260D	11-23-21	11-23-21	
1,4-Dichlorobenzene	ND	0.0014	EPA 8260D	11-23-21	11-23-21	
1,2-Dichlorobenzene	ND	0.0014	EPA 8260D	11-23-21	11-23-21	
n-Butylbenzene	ND	0.0014	EPA 8260D	11-23-21	11-23-21	
1,2-Dibromo-3-chloropropan	e ND	0.0070	EPA 8260D	11-23-21	11-23-21	
1,2,4-Trichlorobenzene	ND	0.0014	EPA 8260D	11-23-21	11-23-21	
Hexachlorobutadiene	ND	0.0070	EPA 8260D	11-23-21	11-23-21	
Naphthalene	0.012	0.0070	EPA 8260D	11-23-21	11-23-21	
1,2,3-Trichlorobenzene	ND	0.0014	EPA 8260D	11-23-21	11-23-21	
Surrogate:	Percent Recovery	Control Limits				
Dibromofluoromethane	98	74-131				
Toluene-d8	103	78-128				
4-Bromofluorobenzene	100	71-130				

Laboratory Reference: 2111-226

Project: 060172

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				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	CB-6-5.0-112221					
Laboratory ID:	11-226-09					
Dichlorodifluoromethane	ND	0.0023	EPA 8260D	11-23-21	11-23-21	
Chloromethane	ND	0.0085	EPA 8260D	11-23-21	11-23-21	
Vinyl Chloride	ND	0.0013	EPA 8260D	11-23-21	11-23-21	
Bromomethane	ND	0.0065	EPA 8260D	11-23-21	11-23-21	
Chloroethane	ND	0.0065	EPA 8260D	11-23-21	11-23-21	
Trichlorofluoromethane	ND	0.0013	EPA 8260D	11-23-21	11-23-21	
1,1-Dichloroethene	ND	0.0013	EPA 8260D	11-23-21	11-23-21	
Acetone	0.021	0.013	EPA 8260D	11-23-21	11-23-21	
Iodomethane	ND	0.0065	EPA 8260D	11-23-21	11-23-21	
Carbon Disulfide	ND	0.0013	EPA 8260D	11-23-21	11-23-21	
Methylene Chloride	ND	0.0065	EPA 8260D	11-23-21	11-23-21	
(trans) 1,2-Dichloroethene	ND	0.0013	EPA 8260D	11-23-21	11-23-21	
Methyl t-Butyl Ether	ND	0.0013	EPA 8260D	11-23-21	11-23-21	
1,1-Dichloroethane	ND	0.0013	EPA 8260D	11-23-21	11-23-21	
Vinyl Acetate	ND	0.0065	EPA 8260D	11-23-21	11-23-21	
2,2-Dichloropropane	ND	0.0013	EPA 8260D	11-23-21	11-23-21	
(cis) 1,2-Dichloroethene	ND	0.0013	EPA 8260D	11-23-21	11-23-21	
2-Butanone	ND	0.0065	EPA 8260D	11-23-21	11-23-21	
Bromochloromethane	ND	0.0013	EPA 8260D	11-23-21	11-23-21	
Chloroform	ND	0.0013	EPA 8260D	11-23-21	11-23-21	
1,1,1-Trichloroethane	ND	0.0013	EPA 8260D	11-23-21	11-23-21	
Carbon Tetrachloride	ND	0.0013	EPA 8260D	11-23-21	11-23-21	
1,1-Dichloropropene	ND	0.0013	EPA 8260D	11-23-21	11-23-21	
Benzene	ND	0.0013	EPA 8260D	11-23-21	11-23-21	
1,2-Dichloroethane	ND	0.0013	EPA 8260D	11-23-21	11-23-21	
Trichloroethene	ND	0.0013	EPA 8260D	11-23-21	11-23-21	
1,2-Dichloropropane	ND	0.0013	EPA 8260D	11-23-21	11-23-21	
Dibromomethane	ND	0.0013	EPA 8260D	11-23-21	11-23-21	
Bromodichloromethane	ND	0.0013	EPA 8260D	11-23-21	11-23-21	
2-Chloroethyl Vinyl Ether	ND	0.0065	EPA 8260D	11-23-21	11-23-21	
(cis) 1,3-Dichloropropene	ND	0.0013	EPA 8260D	11-23-21	11-23-21	
Methyl Isobutyl Ketone	ND	0.0065	EPA 8260D	11-23-21	11-23-21	
Toluene	ND	0.0065	EPA 8260D	11-23-21	11-23-21	
(trans) 1,3-Dichloropropene	ND	0.0013	EPA 8260D	11-23-21	11-23-21	

Laboratory Reference: 2111-226

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				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	CB-6-5.0-112221					
Laboratory ID:	11-226-09					
1,1,2-Trichloroethane	ND	0.0013	EPA 8260D	11-23-21	11-23-21	
Tetrachloroethene	ND	0.0013	EPA 8260D	11-23-21	11-23-21	
1,3-Dichloropropane	ND	0.0013	EPA 8260D	11-23-21	11-23-21	
2-Hexanone	ND	0.0065	EPA 8260D	11-23-21	11-23-21	
Dibromochloromethane	ND	0.0013	EPA 8260D	11-23-21	11-23-21	
1,2-Dibromoethane	ND	0.0013	EPA 8260D	11-23-21	11-23-21	
Chlorobenzene	ND	0.0013	EPA 8260D	11-23-21	11-23-21	
1,1,1,2-Tetrachloroethane	ND	0.0013	EPA 8260D	11-23-21	11-23-21	
Ethylbenzene	ND	0.0013	EPA 8260D	11-23-21	11-23-21	
m,p-Xylene	ND	0.0026	EPA 8260D	11-23-21	11-23-21	
o-Xylene	ND	0.0013	EPA 8260D	11-23-21	11-23-21	
Styrene	ND	0.0013	EPA 8260D	11-23-21	11-23-21	
Bromoform	ND	0.0065	EPA 8260D	11-23-21	11-23-21	
Isopropylbenzene	ND	0.0013	EPA 8260D	11-23-21	11-23-21	
Bromobenzene	ND	0.0013	EPA 8260D	11-23-21	11-23-21	
1,1,2,2-Tetrachloroethane	ND	0.0013	EPA 8260D	11-23-21	11-23-21	
1,2,3-Trichloropropane	ND	0.0013	EPA 8260D	11-23-21	11-23-21	
n-Propylbenzene	ND	0.0013	EPA 8260D	11-23-21	11-23-21	
2-Chlorotoluene	ND	0.0013	EPA 8260D	11-23-21	11-23-21	
4-Chlorotoluene	ND	0.0013	EPA 8260D	11-23-21	11-23-21	
1,3,5-Trimethylbenzene	ND	0.0013	EPA 8260D	11-23-21	11-23-21	
tert-Butylbenzene	ND	0.0013	EPA 8260D	11-23-21	11-23-21	
1,2,4-Trimethylbenzene	ND	0.0013	EPA 8260D	11-23-21	11-23-21	
sec-Butylbenzene	ND	0.0013	EPA 8260D	11-23-21	11-23-21	
1,3-Dichlorobenzene	ND	0.0013	EPA 8260D	11-23-21	11-23-21	
p-Isopropyltoluene	ND	0.0013	EPA 8260D	11-23-21	11-23-21	
1,4-Dichlorobenzene	ND	0.0013	EPA 8260D	11-23-21	11-23-21	
1,2-Dichlorobenzene	ND	0.0013	EPA 8260D	11-23-21	11-23-21	
n-Butylbenzene	ND	0.0013	EPA 8260D	11-23-21	11-23-21	
1,2-Dibromo-3-chloropropane		0.0065	EPA 8260D	11-23-21	11-23-21	
1,2,4-Trichlorobenzene	ND	0.0013	EPA 8260D	11-23-21	11-23-21	
Hexachlorobutadiene	ND	0.0065	EPA 8260D	11-23-21	11-23-21	
Naphthalene	ND	0.0065	EPA 8260D	11-23-21	11-23-21	
1,2,3-Trichlorobenzene	ND	0.0013	EPA 8260D	11-23-21	11-23-21	
Surrogate:	Percent Recovery		L1 A 0200D	11-20-21	11-20-21	
•		Control Limits				
Dibromofluoromethane	97	74-131				

Surrogate: Percent Recovery Control Limi

Dibromofluoromethane 97 74-131

Toluene-d8 104 78-128

4-Bromofluorobenzene 102 71-130

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Project: 060172

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				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	CB-6-8.0-112221					
Laboratory ID:	11-226-10					
Dichlorodifluoromethane	ND	0.0022	EPA 8260D	11-23-21	11-23-21	
Chloromethane	ND	0.0081	EPA 8260D	11-23-21	11-23-21	
Vinyl Chloride	ND	0.0012	EPA 8260D	11-23-21	11-23-21	
Bromomethane	ND	0.0062	EPA 8260D	11-23-21	11-23-21	
Chloroethane	ND	0.0062	EPA 8260D	11-23-21	11-23-21	
Trichlorofluoromethane	ND	0.0012	EPA 8260D	11-23-21	11-23-21	
1,1-Dichloroethene	ND	0.0012	EPA 8260D	11-23-21	11-23-21	
Acetone	0.045	0.012	EPA 8260D	11-23-21	11-23-21	
Iodomethane	ND	0.0062	EPA 8260D	11-23-21	11-23-21	
Carbon Disulfide	ND	0.0012	EPA 8260D	11-23-21	11-23-21	
Methylene Chloride	ND	0.0062	EPA 8260D	11-23-21	11-23-21	
(trans) 1,2-Dichloroethene	ND	0.0012	EPA 8260D	11-23-21	11-23-21	
Methyl t-Butyl Ether	ND	0.0012	EPA 8260D	11-23-21	11-23-21	
1,1-Dichloroethane	ND	0.0012	EPA 8260D	11-23-21	11-23-21	
Vinyl Acetate	ND	0.0062	EPA 8260D	11-23-21	11-23-21	
2,2-Dichloropropane	ND	0.0012	EPA 8260D	11-23-21	11-23-21	
(cis) 1,2-Dichloroethene	ND	0.0012	EPA 8260D	11-23-21	11-23-21	
2-Butanone	ND	0.0062	EPA 8260D	11-23-21	11-23-21	
Bromochloromethane	ND	0.0012	EPA 8260D	11-23-21	11-23-21	
Chloroform	ND	0.0012	EPA 8260D	11-23-21	11-23-21	
1,1,1-Trichloroethane	ND	0.0012	EPA 8260D	11-23-21	11-23-21	
Carbon Tetrachloride	ND	0.0012	EPA 8260D	11-23-21	11-23-21	
1,1-Dichloropropene	ND	0.0012	EPA 8260D	11-23-21	11-23-21	
Benzene	ND	0.0012	EPA 8260D	11-23-21	11-23-21	
1,2-Dichloroethane	ND	0.0012	EPA 8260D	11-23-21	11-23-21	
Trichloroethene	ND	0.0012	EPA 8260D	11-23-21	11-23-21	
1,2-Dichloropropane	ND	0.0012	EPA 8260D	11-23-21	11-23-21	
Dibromomethane	ND	0.0012	EPA 8260D	11-23-21	11-23-21	
Bromodichloromethane	ND	0.0012	EPA 8260D	11-23-21	11-23-21	
2-Chloroethyl Vinyl Ether	ND	0.0062	EPA 8260D	11-23-21	11-23-21	
(cis) 1,3-Dichloropropene	ND	0.0012	EPA 8260D	11-23-21	11-23-21	
Methyl Isobutyl Ketone	ND	0.0062	EPA 8260D	11-23-21	11-23-21	
Toluene	ND	0.0062	EPA 8260D	11-23-21	11-23-21	
(trans) 1,3-Dichloropropene	ND	0.0012	EPA 8260D	11-23-21	11-23-21	

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				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	CB-6-8.0-112221					
Laboratory ID:	11-226-10					
1,1,2-Trichloroethane	ND	0.0012	EPA 8260D	11-23-21	11-23-21	
Tetrachloroethene	ND	0.0012	EPA 8260D	11-23-21	11-23-21	
1,3-Dichloropropane	ND	0.0012	EPA 8260D	11-23-21	11-23-21	
2-Hexanone	ND	0.0062	EPA 8260D	11-23-21	11-23-21	
Dibromochloromethane	ND	0.0012	EPA 8260D	11-23-21	11-23-21	
1,2-Dibromoethane	ND	0.0012	EPA 8260D	11-23-21	11-23-21	
Chlorobenzene	ND	0.0012	EPA 8260D	11-23-21	11-23-21	
1,1,1,2-Tetrachloroethane	ND	0.0012	EPA 8260D	11-23-21	11-23-21	
Ethylbenzene	ND	0.0012	EPA 8260D	11-23-21	11-23-21	
m,p-Xylene	ND	0.0025	EPA 8260D	11-23-21	11-23-21	
o-Xylene	ND	0.0012	EPA 8260D	11-23-21	11-23-21	
Styrene	ND	0.0012	EPA 8260D	11-23-21	11-23-21	
Bromoform	ND	0.0062	EPA 8260D	11-23-21	11-23-21	
Isopropylbenzene	ND	0.0012	EPA 8260D	11-23-21	11-23-21	
Bromobenzene	ND	0.0012	EPA 8260D	11-23-21	11-23-21	
1,1,2,2-Tetrachloroethane	ND	0.0012	EPA 8260D	11-23-21	11-23-21	
1,2,3-Trichloropropane	ND	0.0012	EPA 8260D	11-23-21	11-23-21	
n-Propylbenzene	ND	0.0012	EPA 8260D	11-23-21	11-23-21	
2-Chlorotoluene	ND	0.0012	EPA 8260D	11-23-21	11-23-21	
4-Chlorotoluene	ND	0.0012	EPA 8260D	11-23-21	11-23-21	
1,3,5-Trimethylbenzene	ND	0.0012	EPA 8260D	11-23-21	11-23-21	
tert-Butylbenzene	ND	0.0012	EPA 8260D	11-23-21	11-23-21	
1,2,4-Trimethylbenzene	ND	0.0012	EPA 8260D	11-23-21	11-23-21	
sec-Butylbenzene	ND	0.0012	EPA 8260D	11-23-21	11-23-21	
1,3-Dichlorobenzene	ND	0.0012	EPA 8260D	11-23-21	11-23-21	
p-Isopropyltoluene	ND	0.0012	EPA 8260D	11-23-21	11-23-21	
1,4-Dichlorobenzene	ND	0.0012	EPA 8260D	11-23-21	11-23-21	
1,2-Dichlorobenzene	ND	0.0012	EPA 8260D	11-23-21	11-23-21	
n-Butylbenzene	ND	0.0012	EPA 8260D	11-23-21	11-23-21	
1,2-Dibromo-3-chloropropane	e ND	0.0062	EPA 8260D	11-23-21	11-23-21	
1,2,4-Trichlorobenzene	ND	0.0012	EPA 8260D	11-23-21	11-23-21	
Hexachlorobutadiene	ND	0.0062	EPA 8260D	11-23-21	11-23-21	
Naphthalene	ND	0.0062	EPA 8260D	11-23-21	11-23-21	
1,2,3-Trichlorobenzene	ND	0.0012	EPA 8260D	11-23-21	11-23-21	
Surrogate:	Percent Recovery	Control Limits				
Dibromofluoromethane	97	74-131				
Toluene-d8	102	78-128				
4-Bromofluorobenzene	101	71-130				

Laboratory Reference: 2111-226

Project: 060172

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				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	CB-6-15-112221					
Laboratory ID:	11-226-11					
Dichlorodifluoromethane	ND	0.0017	EPA 8260D	11-23-21	11-23-21	
Chloromethane	ND	0.0062	EPA 8260D	11-23-21	11-23-21	
Vinyl Chloride	ND	0.00095	EPA 8260D	11-23-21	11-23-21	
Bromomethane	ND	0.0047	EPA 8260D	11-23-21	11-23-21	
Chloroethane	ND	0.0047	EPA 8260D	11-23-21	11-23-21	
Trichlorofluoromethane	ND	0.00095	EPA 8260D	11-23-21	11-23-21	
1,1-Dichloroethene	ND	0.00095	EPA 8260D	11-23-21	11-23-21	
Acetone	0.75	0.0095	EPA 8260D	11-23-21	11-23-21	E
Iodomethane	ND	0.0047	EPA 8260D	11-23-21	11-23-21	
Carbon Disulfide	ND	0.00095	EPA 8260D	11-23-21	11-23-21	
Methylene Chloride	ND	0.0047	EPA 8260D	11-23-21	11-23-21	
(trans) 1,2-Dichloroethene	ND	0.00095	EPA 8260D	11-23-21	11-23-21	
Methyl t-Butyl Ether	ND	0.00095	EPA 8260D	11-23-21	11-23-21	
1,1-Dichloroethane	ND	0.00095	EPA 8260D	11-23-21	11-23-21	
Vinyl Acetate	ND	0.0047	EPA 8260D	11-23-21	11-23-21	
2,2-Dichloropropane	ND	0.00095	EPA 8260D	11-23-21	11-23-21	
(cis) 1,2-Dichloroethene	ND	0.00095	EPA 8260D	11-23-21	11-23-21	
2-Butanone	0.074	0.0047	EPA 8260D	11-23-21	11-23-21	
Bromochloromethane	ND	0.00095	EPA 8260D	11-23-21	11-23-21	
Chloroform	ND	0.00095	EPA 8260D	11-23-21	11-23-21	
1,1,1-Trichloroethane	ND	0.00095	EPA 8260D	11-23-21	11-23-21	
Carbon Tetrachloride	ND	0.00095	EPA 8260D	11-23-21	11-23-21	
1,1-Dichloropropene	ND	0.00095	EPA 8260D	11-23-21	11-23-21	
Benzene	ND	0.00095	EPA 8260D	11-23-21	11-23-21	
1,2-Dichloroethane	ND	0.00095	EPA 8260D	11-23-21	11-23-21	
Trichloroethene	ND	0.00095	EPA 8260D	11-23-21	11-23-21	
1,2-Dichloropropane	ND	0.00095	EPA 8260D	11-23-21	11-23-21	
Dibromomethane	ND	0.00095	EPA 8260D	11-23-21	11-23-21	
Bromodichloromethane	ND	0.00095	EPA 8260D	11-23-21	11-23-21	
2-Chloroethyl Vinyl Ether	ND	0.0047	EPA 8260D	11-23-21	11-23-21	
(cis) 1,3-Dichloropropene	ND	0.00095	EPA 8260D	11-23-21	11-23-21	
Methyl Isobutyl Ketone	ND	0.0047	EPA 8260D	11-23-21	11-23-21	
Toluene	ND	0.0047	EPA 8260D	11-23-21	11-23-21	
(trans) 1,3-Dichloropropene	ND	0.00095	EPA 8260D	11-23-21	11-23-21	

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				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	CB-6-15-112221					
Laboratory ID:	11-226-11					
1,1,2-Trichloroethane	ND	0.00095	EPA 8260D	11-23-21	11-23-21	
Tetrachloroethene	ND	0.00095	EPA 8260D	11-23-21	11-23-21	
1,3-Dichloropropane	ND	0.00095	EPA 8260D	11-23-21	11-23-21	
2-Hexanone	ND	0.0047	EPA 8260D	11-23-21	11-23-21	
Dibromochloromethane	ND	0.00095	EPA 8260D	11-23-21	11-23-21	
1,2-Dibromoethane	ND	0.00095	EPA 8260D	11-23-21	11-23-21	
Chlorobenzene	ND	0.00095	EPA 8260D	11-23-21	11-23-21	
1,1,1,2-Tetrachloroethane	ND	0.00095	EPA 8260D	11-23-21	11-23-21	
Ethylbenzene	ND	0.00095	EPA 8260D	11-23-21	11-23-21	
m,p-Xylene	ND	0.0019	EPA 8260D	11-23-21	11-23-21	
o-Xylene	ND	0.00095	EPA 8260D	11-23-21	11-23-21	
Styrene	ND	0.00095	EPA 8260D	11-23-21	11-23-21	
Bromoform	ND	0.0047	EPA 8260D	11-23-21	11-23-21	
Isopropylbenzene	ND	0.00095	EPA 8260D	11-23-21	11-23-21	
Bromobenzene	ND	0.00095	EPA 8260D	11-23-21	11-23-21	
1,1,2,2-Tetrachloroethane	ND	0.00095	EPA 8260D	11-23-21	11-23-21	
1,2,3-Trichloropropane	ND	0.00095	EPA 8260D	11-23-21	11-23-21	
n-Propylbenzene	ND	0.00095	EPA 8260D	11-23-21	11-23-21	
2-Chlorotoluene	ND	0.00095	EPA 8260D	11-23-21	11-23-21	
4-Chlorotoluene	ND	0.00095	EPA 8260D	11-23-21	11-23-21	
1,3,5-Trimethylbenzene	ND	0.00095	EPA 8260D	11-23-21	11-23-21	
tert-Butylbenzene	ND	0.00095	EPA 8260D	11-23-21	11-23-21	
1,2,4-Trimethylbenzene	ND	0.00095	EPA 8260D	11-23-21	11-23-21	
sec-Butylbenzene	ND	0.00095	EPA 8260D	11-23-21	11-23-21	
1,3-Dichlorobenzene	ND	0.00095	EPA 8260D	11-23-21	11-23-21	
p-Isopropyltoluene	ND	0.00095	EPA 8260D	11-23-21	11-23-21	
1,4-Dichlorobenzene	ND	0.00095	EPA 8260D	11-23-21	11-23-21	
1,2-Dichlorobenzene	ND	0.00095	EPA 8260D	11-23-21	11-23-21	
n-Butylbenzene	ND	0.00095	EPA 8260D	11-23-21	11-23-21	
1,2-Dibromo-3-chloropropane	e ND	0.0047	EPA 8260D	11-23-21	11-23-21	
1,2,4-Trichlorobenzene	ND	0.00095	EPA 8260D	11-23-21	11-23-21	
Hexachlorobutadiene	ND	0.0047	EPA 8260D	11-23-21	11-23-21	
Naphthalene	0.0069	0.0047	EPA 8260D	11-23-21	11-23-21	
1,2,3-Trichlorobenzene	ND	0.00095	EPA 8260D	11-23-21	11-23-21	
Surrogate:	Percent Recovery	Control Limits	LI / (0200D	11-20-21	11-20-21	
Surrogate.	Percent Recovery	CONTROL LITTINS				

Dibromofluoromethane

4-Bromofluorobenzene

Toluene-d8

74-131

78-128

71-130

98

103

96

Laboratory Reference: 2111-226

Project: 060172

VOLATILE ORGANICS EPA 8260D

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onia. mg/kg				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	CB-6-21-112221					
Laboratory ID:	11-226-12					
Dichlorodifluoromethane	ND	0.0021	EPA 8260D	11-23-21	11-23-21	
Chloromethane	ND	0.0077	EPA 8260D	11-23-21	11-23-21	
Vinyl Chloride	ND	0.0012	EPA 8260D	11-23-21	11-23-21	
Bromomethane	ND	0.0059	EPA 8260D	11-23-21	11-23-21	
Chloroethane	ND	0.0059	EPA 8260D	11-23-21	11-23-21	
Trichlorofluoromethane	ND	0.0012	EPA 8260D	11-23-21	11-23-21	
1,1-Dichloroethene	ND	0.0012	EPA 8260D	11-23-21	11-23-21	
Acetone	0.28	0.012	EPA 8260D	11-23-21	11-23-21	
Iodomethane	ND	0.0059	EPA 8260D	11-23-21	11-23-21	
Carbon Disulfide	ND	0.0012	EPA 8260D	11-23-21	11-23-21	
Methylene Chloride	ND	0.0059	EPA 8260D	11-23-21	11-23-21	
(trans) 1,2-Dichloroethene	ND	0.0012	EPA 8260D	11-23-21	11-23-21	
Methyl t-Butyl Ether	ND	0.0012	EPA 8260D	11-23-21	11-23-21	
1,1-Dichloroethane	ND	0.0012	EPA 8260D	11-23-21	11-23-21	
Vinyl Acetate	ND	0.0059	EPA 8260D	11-23-21	11-23-21	
2,2-Dichloropropane	ND	0.0012	EPA 8260D	11-23-21	11-23-21	
(cis) 1,2-Dichloroethene	ND	0.0012	EPA 8260D	11-23-21	11-23-21	
2-Butanone	0.045	0.0059	EPA 8260D	11-23-21	11-23-21	
Bromochloromethane	ND	0.0012	EPA 8260D	11-23-21	11-23-21	
Chloroform	ND	0.0012	EPA 8260D	11-23-21	11-23-21	
1,1,1-Trichloroethane	ND	0.0012	EPA 8260D	11-23-21	11-23-21	
Carbon Tetrachloride	ND	0.0012	EPA 8260D	11-23-21	11-23-21	
1,1-Dichloropropene	ND	0.0012	EPA 8260D	11-23-21	11-23-21	
Benzene	ND	0.0012	EPA 8260D	11-23-21	11-23-21	
1,2-Dichloroethane	ND	0.0012	EPA 8260D	11-23-21	11-23-21	
Trichloroethene	ND	0.0012	EPA 8260D	11-23-21	11-23-21	
1,2-Dichloropropane	ND	0.0012	EPA 8260D	11-23-21	11-23-21	
Dibromomethane	ND	0.0012	EPA 8260D	11-23-21	11-23-21	
Bromodichloromethane	ND	0.0012	EPA 8260D	11-23-21	11-23-21	
2-Chloroethyl Vinyl Ether	ND	0.0059	EPA 8260D	11-23-21	11-23-21	
(cis) 1,3-Dichloropropene	ND	0.0012	EPA 8260D	11-23-21	11-23-21	
Methyl Isobutyl Ketone	ND	0.0059	EPA 8260D	11-23-21	11-23-21	
Toluene	ND	0.0059	EPA 8260D	11-23-21	11-23-21	
(trans) 1,3-Dichloropropene	ND	0.0012	EPA 8260D	11-23-21	11-23-21	

Laboratory Reference: 2111-226

Project: 060172

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				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	CB-6-21-112221					
Laboratory ID:	11-226-12					
1,1,2-Trichloroethane	ND	0.0012	EPA 8260D	11-23-21	11-23-21	
Tetrachloroethene	ND	0.0012	EPA 8260D	11-23-21	11-23-21	
1,3-Dichloropropane	ND	0.0012	EPA 8260D	11-23-21	11-23-21	
2-Hexanone	ND	0.0059	EPA 8260D	11-23-21	11-23-21	
Dibromochloromethane	ND	0.0012	EPA 8260D	11-23-21	11-23-21	
1,2-Dibromoethane	ND	0.0012	EPA 8260D	11-23-21	11-23-21	
Chlorobenzene	ND	0.0012	EPA 8260D	11-23-21	11-23-21	
1,1,1,2-Tetrachloroethane	ND	0.0012	EPA 8260D	11-23-21	11-23-21	
Ethylbenzene	ND	0.0012	EPA 8260D	11-23-21	11-23-21	
m,p-Xylene	ND	0.0024	EPA 8260D	11-23-21	11-23-21	
o-Xylene	ND	0.0012	EPA 8260D	11-23-21	11-23-21	
Styrene	ND	0.0012	EPA 8260D	11-23-21	11-23-21	
Bromoform	ND	0.0059	EPA 8260D	11-23-21	11-23-21	
Isopropylbenzene	ND	0.0012	EPA 8260D	11-23-21	11-23-21	
Bromobenzene	ND	0.0012	EPA 8260D	11-23-21	11-23-21	
1,1,2,2-Tetrachloroethane	ND	0.0012	EPA 8260D	11-23-21	11-23-21	
1,2,3-Trichloropropane	ND	0.0012	EPA 8260D	11-23-21	11-23-21	
n-Propylbenzene	ND	0.0012	EPA 8260D	11-23-21	11-23-21	
2-Chlorotoluene	ND	0.0012	EPA 8260D	11-23-21	11-23-21	
4-Chlorotoluene	ND	0.0012	EPA 8260D	11-23-21	11-23-21	
1,3,5-Trimethylbenzene	ND	0.0012	EPA 8260D	11-23-21	11-23-21	
tert-Butylbenzene	ND	0.0012	EPA 8260D	11-23-21	11-23-21	
1,2,4-Trimethylbenzene	ND	0.0012	EPA 8260D	11-23-21	11-23-21	
sec-Butylbenzene	ND	0.0012	EPA 8260D	11-23-21	11-23-21	
1,3-Dichlorobenzene	ND	0.0012	EPA 8260D	11-23-21	11-23-21	
p-Isopropyltoluene	ND	0.0012	EPA 8260D	11-23-21	11-23-21	
1,4-Dichlorobenzene	ND	0.0012	EPA 8260D	11-23-21	11-23-21	
1,2-Dichlorobenzene	ND	0.0012	EPA 8260D	11-23-21	11-23-21	
n-Butylbenzene	ND	0.0012	EPA 8260D	11-23-21	11-23-21	
1,2-Dibromo-3-chloropropane	e ND	0.0059	EPA 8260D	11-23-21	11-23-21	
1,2,4-Trichlorobenzene	ND	0.0012	EPA 8260D	11-23-21	11-23-21	
Hexachlorobutadiene	ND	0.0059	EPA 8260D	11-23-21	11-23-21	
Naphthalene	0.023	0.0059	EPA 8260D	11-23-21	11-23-21	
1,2,3-Trichlorobenzene	ND	0.0012	EPA 8260D	11-23-21	11-23-21	
Surrogate:	Percent Recovery	Control Limits				
Dibromofluoromethane	98	74-131				
Toluene-d8	104	78-128				
1 Promofluorobonzono	107	71 120				

4-Bromofluorobenzene

71-130

107

Laboratory Reference: 2111-226

Project: 060172

VOLATILE ORGANICS EPA 8260D QUALITY CONTROL

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				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1123S1					
Dichlorodifluoromethane	ND	0.0018	EPA 8260D	11-23-21	11-23-21	
Chloromethane	ND	0.0065	EPA 8260D	11-23-21	11-23-21	
Vinyl Chloride	ND	0.0010	EPA 8260D	11-23-21	11-23-21	
Bromomethane	ND	0.0050	EPA 8260D	11-23-21	11-23-21	
Chloroethane	ND	0.0050	EPA 8260D	11-23-21	11-23-21	
Trichlorofluoromethane	ND	0.0010	EPA 8260D	11-23-21	11-23-21	
1,1-Dichloroethene	ND	0.0010	EPA 8260D	11-23-21	11-23-21	
Acetone	ND	0.010	EPA 8260D	11-23-21	11-23-21	
lodomethane	ND	0.0050	EPA 8260D	11-23-21	11-23-21	
Carbon Disulfide	ND	0.0010	EPA 8260D	11-23-21	11-23-21	
Methylene Chloride	ND	0.0050	EPA 8260D	11-23-21	11-23-21	
(trans) 1,2-Dichloroethene	ND	0.0010	EPA 8260D	11-23-21	11-23-21	
Methyl t-Butyl Ether	ND	0.0010	EPA 8260D	11-23-21	11-23-21	
1,1-Dichloroethane	ND	0.0010	EPA 8260D	11-23-21	11-23-21	
Vinyl Acetate	ND	0.0050	EPA 8260D	11-23-21	11-23-21	
2,2-Dichloropropane	ND	0.0010	EPA 8260D	11-23-21	11-23-21	
(cis) 1,2-Dichloroethene	ND	0.0010	EPA 8260D	11-23-21	11-23-21	
2-Butanone	ND	0.0050	EPA 8260D	11-23-21	11-23-21	
Bromochloromethane	ND	0.0010	EPA 8260D	11-23-21	11-23-21	
Chloroform	ND	0.0010	EPA 8260D	11-23-21	11-23-21	
1,1,1-Trichloroethane	ND	0.0010	EPA 8260D	11-23-21	11-23-21	
Carbon Tetrachloride	ND	0.0010	EPA 8260D	11-23-21	11-23-21	
1,1-Dichloropropene	ND	0.0010	EPA 8260D	11-23-21	11-23-21	
Benzene	ND	0.0010	EPA 8260D	11-23-21	11-23-21	
1,2-Dichloroethane	ND	0.0010	EPA 8260D	11-23-21	11-23-21	
Trichloroethene	ND	0.0010	EPA 8260D	11-23-21	11-23-21	
1,2-Dichloropropane	ND	0.0010	EPA 8260D	11-23-21	11-23-21	
Dibromomethane	ND	0.0010	EPA 8260D	11-23-21	11-23-21	
Bromodichloromethane	ND	0.0010	EPA 8260D	11-23-21	11-23-21	
2-Chloroethyl Vinyl Ether	ND	0.0050	EPA 8260D	11-23-21	11-23-21	
(cis) 1,3-Dichloropropene	ND	0.0010	EPA 8260D	11-23-21	11-23-21	
Methyl Isobutyl Ketone	ND	0.0050	EPA 8260D	11-23-21	11-23-21	
Toluene	ND	0.0050	EPA 8260D	11-23-21	11-23-21	
(trans) 1,3-Dichloropropene	ND	0.0010	EPA 8260D	11-23-21	11-23-21	

Laboratory Reference: 2111-226

Project: 060172

VOLATILE ORGANICS EPA 8260D QUALITY CONTROL

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METHOD BLANK Laboratory ID: MB1123S1 1,1,2-Trichloroethane ND 0.0010 EPA 8260D 11-23-21 11					Date	Date	
Laboratory ID: MB1123S1	Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
1,1,2-Trichloroethane							
Tetrachloroethene ND 0.0010 EPA 8260D 11-23-21 11-23-21 1.3-Dichloropropane ND 0.0010 EPA 8260D 11-23-21 11-23-	Laboratory ID:	MB1123S1					
1,3-Dichloropropane ND 0.0010 EPA 8260D 11-23-21 11-23-21 2-Hexanone ND 0.0050 EPA 8260D 11-23-21 11-23-21 Dibromochloromethane ND 0.0010 EPA 8260D 11-23-21 11-23-21 1,2-Dibromocthane ND 0.0010 EPA 8260D 11-23-21 11-23-21 Chlorobenzene ND 0.0010 EPA 8260D 11-23-21 11-23-21 Elhylbenzene ND 0.0010 EPA 8260D 11-23-21 11-23-21 Elhylbenzene ND 0.0010 EPA 8260D 11-23-21 11-23-21 Elhylbenzene ND 0.0010 EPA 8260D 11-23-21 11-23-21 mp-Xylene ND 0.0010 EPA 8260D 11-23-21 11-23-21 mp-Xylene ND 0.0010 EPA 8260D 11-23-21 11-23-21 Bryrene ND 0.0010 EPA 8260D 11-23-21 11-23-21 Bromoform ND 0.0010 EPA 8260D 11-23-21 <td< td=""><td>1,1,2-Trichloroethane</td><td>ND</td><td>0.0010</td><td>EPA 8260D</td><td>11-23-21</td><td>11-23-21</td><td></td></td<>	1,1,2-Trichloroethane	ND	0.0010	EPA 8260D	11-23-21	11-23-21	
2-Hexanone	Tetrachloroethene	ND	0.0010	EPA 8260D	11-23-21	11-23-21	
Dibromochloromethane ND 0.0010 EPA 8260D 11-23-21 11-23-21 1,2-Dibromoethane ND 0.0010 EPA 8260D 11-23-21 11-23-21 Chlorobenzene ND 0.0010 EPA 8260D 11-23-21 11-23-21 1,1,1,2-Tetrachloroethane ND 0.0010 EPA 8260D 11-23-21 11-23-21 Ethylbenzene ND 0.0010 EPA 8260D 11-23-21 11-23-21 Ethylbenzene ND 0.0020 EPA 8260D 11-23-21 11-23-21 m,p-Xylene ND 0.0010 EPA 8260D 11-23-21 11-23-21 Styrene ND 0.0010 EPA 8260D 11-23-21 11-23-21 Styrene ND 0.0010 EPA 8260D 11-23-21 11-23-21 Bromoform ND 0.0010 EPA 8260D 11-23-21 11-23-21 Bromoform ND 0.0010 EPA 8260D 11-23-21 11-23-21 Bromoform ND 0.0010 EPA 8260D 11-23-21 <t< td=""><td>1,3-Dichloropropane</td><td>ND</td><td>0.0010</td><td>EPA 8260D</td><td>11-23-21</td><td>11-23-21</td><td></td></t<>	1,3-Dichloropropane	ND	0.0010	EPA 8260D	11-23-21	11-23-21	
1,2-Dibromoethane ND 0.0010 EPA 8260D 11-23-21 11-23-21 Chlorobenzene ND 0.0010 EPA 8260D 11-23-21 11-23-21 Litylbenzene ND 0.0010 EPA 8260D 11-23-21 11-23-21 Ethylbenzene ND 0.0010 EPA 8260D 11-23-21 11-23-21 m,p-Xylene ND 0.0020 EPA 8260D 11-23-21 11-23-21 o-Xylene ND 0.0010 EPA 8260D 11-23-21 11-23-21 Bromoform ND 0.0010 EPA 8260D 11-23-21 11-23-21 Bromoform ND 0.0010 EPA 8260D 11-23-21 11-23-21 Isopropylbenzene ND 0.0010 EPA 8260D 11-23-21 11-23-21 Bromobenzene ND 0.0010 EPA 8260D 11-23-21 11-23-21 Bromobenzene ND 0.0010 EPA 8260D 11-23-21 11-23-21 Isopropylbenzene ND 0.0010 EPA 8260D 11-23-21 11	2-Hexanone	ND	0.0050	EPA 8260D	11-23-21	11-23-21	
Chlorobenzene ND 0.0010 EPA 8260D 11-23-21 11-23-21 1,1,1,2-Tetrachloroethane ND 0.0010 EPA 8260D 11-23-21 11-23-21 Ethylbenzene ND 0.0010 EPA 8260D 11-23-21 11-23-21 mp-Xylene ND 0.0020 EPA 8260D 11-23-21 11-23-21 o-Xylene ND 0.0010 EPA 8260D 11-23-21 11-23-21 Styrene ND 0.0010 EPA 8260D 11-23-21 11-23-21 Bromoform ND 0.0050 EPA 8260D 11-23-21 11-23-21 Bromoform ND 0.0010 EPA 8260D 11-23-21 11-23-21 H,1,2,3-Tirdhorofordane ND 0.0010 EPA 8260D 11-23-21 11-23-	Dibromochloromethane	ND	0.0010	EPA 8260D	11-23-21	11-23-21	
1,1,2-Tetrachloroethane	1,2-Dibromoethane	ND	0.0010	EPA 8260D	11-23-21	11-23-21	
Ethylbenzene ND 0.0010 EPA 8260D 11-23-21 11-23-21 m,p-Xylene ND 0.0020 EPA 8260D 11-23-21 11-23-21 o-Xylene ND 0.0010 EPA 8260D 11-23-21 11-23-21 Styrene ND 0.0010 EPA 8260D 11-23-21 11-23-21 Bromoform ND 0.0050 EPA 8260D 11-23-21 11-23-21 Isopropylbenzene ND 0.0010 EPA 8260D 11-23-21 11-23-21 Bromobenzene ND 0.0010 EPA 8260D 11-23-21 11-23-21 Bromobenzene ND 0.0010 EPA 8260D 11-23-21 11-23-21 Bromobenzene ND 0.0010 EPA 8260D 11-23-21 11-23-21 Int,2,2-Tetrachloroethane ND 0.0010 EPA 8260D 11-23-21 11-23-21 1,2,2-Trirchloropane ND 0.0010 EPA 8260D 11-23-21 11-23-21 2-Chlorotoluene ND 0.0010 EPA 8260D 11-23-21	Chlorobenzene	ND	0.0010	EPA 8260D	11-23-21	11-23-21	
mp-Xylene ND 0.0020 EPA 8260D 11-23-21 11-23-21 o-Xylene ND 0.0010 EPA 8260D 11-23-21 11-23-21 Styrene ND 0.0010 EPA 8260D 11-23-21 11-23-21 Bromoform ND 0.0050 EPA 8260D 11-23-21 11-23-21 Isopropylbenzene ND 0.0010 EPA 8260D 11-23-21 11-23-21 Bromobenzene ND 0.0010 EPA 8260D 11-23-21 11-23-21 Isopropylbenzene ND 0.0010 EPA 8260D 11-23-21 11-23-21 Bromobenzene ND 0.0010 EPA 8260D 11-23-21 11-23-21 1,1,2,2-Tetrachloroethane ND 0.0010 EPA 8260D 11-23-21 11-23-21 1,2,3-Trichloropropane ND 0.0010 EPA 8260D 11-23-21 11-23-21 1-Propylbenzene ND 0.0010 EPA 8260D 11-23-21 11-23-21 2-Chlorotoluene ND 0.0010 EPA 8260D 11-23-21	1,1,1,2-Tetrachloroethane	ND	0.0010	EPA 8260D	11-23-21	11-23-21	
0-Xylene ND 0.0010 EPA 8260D 11-23-21 11-23-21 Styrene ND 0.0010 EPA 8260D 11-23-21 11-23-21 Bromoform ND 0.0050 EPA 8260D 11-23-21 11-23-21 Isopropylbenzene ND 0.0010 EPA 8260D 11-23-21 11-23-21 Bromobenzene ND 0.0010 EPA 8260D 11-23-21 11-23-21 1,1,2,2-Tetrachloroethane ND 0.0010 EPA 8260D 11-23-21 11-23-21 1,2,3-Trichloropropane ND 0.0010 EPA 8260D 11-23-21 11-23-21 1,2,2-Tetrachloroethane ND 0.0010 EPA 8260D 11-23-21 11-23-21 1,2,3-Trichloropropane ND 0.0010 EPA 8260D 11-23-21 11-23-21 1,2,2-Tetrachloroethane ND 0.0010 EPA 8260D 11-23-21 11-23-21 1,2,2-Trichlorothane ND 0.0010 EPA 8260D 11-23-21 11-23-21 1,3-5-Trimethylbenzene ND 0.0010	Ethylbenzene	ND	0.0010	EPA 8260D	11-23-21	11-23-21	
Styrene ND 0.0010 EPA 8260D 11-23-21 11-23-21 Bromoform ND 0.0050 EPA 8260D 11-23-21 11-23-21 Isopropylbenzene ND 0.0010 EPA 8260D 11-23-21 11-23-21 Bromobenzene ND 0.0010 EPA 8260D 11-23-21 11-23-21 1,1,2,2-Tetrachloroethane ND 0.0010 EPA 8260D 11-23-21 11-23-21 1,2,3-Trichloropropane ND 0.0010 EPA 8260D 11-23-21 11-23-21 1,2,3-Trichloropropane ND 0.0010 EPA 8260D 11-23-21 11-23-21 n-Propylbenzene ND 0.0010 EPA 8260D 11-23-21 11-23-21 2-Chlorotoluene ND 0.0010 EPA 8260D 11-23-21 11-23-21 4-Chlorotoluene ND 0.0010 EPA 8260D 11-23-21 11-23-21 4-Chlorotoluene ND 0.0010 EPA 8260D 11-23-21 11-23-21 1,3,5-Trimethylbenzene ND 0.0010 EPA 82	m,p-Xylene	ND	0.0020	EPA 8260D	11-23-21	11-23-21	
Bromoform ND	o-Xylene	ND	0.0010	EPA 8260D	11-23-21	11-23-21	
Sopropylbenzene	Styrene	ND	0.0010	EPA 8260D	11-23-21	11-23-21	
Bromobenzene ND 0.0010 EPA 8260D 11-23-21 11-23-21 11,2,2-Tetrachloroethane ND 0.0010 EPA 8260D 11-23-21 11-23-21 11-23-21 1,2,3-Trichloropropane ND 0.0010 EPA 8260D 11-23-21 11-23-2	Bromoform	ND	0.0050	EPA 8260D	11-23-21	11-23-21	
1,1,2,2-Tetrachloroethane ND 0.0010 EPA 8260D 11-23-21 11-23-21 1,2,3-Trichloropropane ND 0.0010 EPA 8260D 11-23-21 11-23-21 n-Propylbenzene ND 0.0010 EPA 8260D 11-23-21 11-23-21 2-Chlorotoluene ND 0.0010 EPA 8260D 11-23-21 11-23-21 4-Chlorotoluene ND 0.0010 EPA 8260D 11-23-21 11-23-21 4-Chlorotoluene ND 0.0010 EPA 8260D 11-23-21 11-23-21 4-Chlorotoluene ND 0.0010 EPA 8260D 11-23-21 11-23-21 1,3,5-Trimethylbenzene ND 0.0010 EPA 8260D 11-23-21 11-23-21 1,2,4-Trimethylbenzene ND 0.0010 EPA 8260D 11-23-21 11-23-21 1,3-Dichlorobenzene ND 0.0010 EPA 8260D 11-23-21 11-23-21 1,3-Dichlorobenzene ND 0.0010 EPA 8260D 11-23-21 11-23-21 1,4-Dichlorobenzene ND 0.0010 EPA 8260D 11-23-21 11-23-21 1,2-Dichlorobenz	Isopropylbenzene	ND	0.0010	EPA 8260D	11-23-21	11-23-21	
1,2,3-Trichloropropane ND 0.0010 EPA 8260D 11-23-21 11-23-21 n-Propylbenzene ND 0.0010 EPA 8260D 11-23-21 11-23-21 2-Chlorotoluene ND 0.0010 EPA 8260D 11-23-21 11-23-21 4-Chlorotoluene ND 0.0010 EPA 8260D 11-23-21 11-23-21 4-Chlorotoluene ND 0.0010 EPA 8260D 11-23-21 11-23-21 1,3,5-Trimethylbenzene ND 0.0010 EPA 8260D 11-23-21 11-23-21 1,2,4-Trimethylbenzene ND 0.0010 EPA 8260D 11-23-21 11-23-21 1,2,4-Trimethylbenzene ND 0.0010 EPA 8260D 11-23-21 11-23-21 1,3-Dichlorobenzene ND 0.0010 EPA 8260D 11-23-21 11-23-21 1,3-Dichlorobenzene ND 0.0010 EPA 8260D 11-23-21 11-23-21 1,4-Dichlorobenzene ND 0.0010 EPA 8260D 11-23-21 11-23-21 1,2-Dibromo-Sachloropropane ND	Bromobenzene	ND	0.0010	EPA 8260D	11-23-21	11-23-21	
n-Propylbenzene ND 0.0010 EPA 8260D 11-23-21 11-23-21 2-Chlorotoluene ND 0.0010 EPA 8260D 11-23-21 11-23-21 4-Chlorotoluene ND 0.0010 EPA 8260D 11-23-21 11-23-21 1,3,5-Trimethylbenzene ND 0.0010 EPA 8260D 11-23-21 11-23-21 tert-Butylbenzene ND 0.0010 EPA 8260D 11-23-21 11-23-21 1,2,4-Trimethylbenzene ND 0.0010 EPA 8260D 11-23-21 11-23-21 1,2,4-Trimethylbenzene ND 0.0010 EPA 8260D 11-23-21 11-23-21 1,2-Frimethylbenzene ND 0.0010 EPA 8260D 11-23-21 11-23-21 1,3-Dichlorobenzene ND 0.0010 EPA 8260D 11-23-21 11-23-21 1,4-Dichlorobenzene ND 0.0010 EPA 8260D 11-23-21 11-23-21 1,2-Dichlorobenzene ND 0.0010 EPA 8260D 11-23-21 11-23-21 1,2-Dibromo-3-chloropropane ND	1,1,2,2-Tetrachloroethane	ND	0.0010	EPA 8260D	11-23-21	11-23-21	
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	~		74-131				
	Toluene-d8						
	4-Bromofluorobenzene	104					

Laboratory Reference: 2111-226

Project: 060172

VOLATILE ORGANICS EPA 8260D QUALITY CONTROL

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Vinyl Acetate ND 0.0050 EPA 8260D 11-24-21 11-24-21 2,2-Dichloropropane ND 0.0010 EPA 8260D 11-24-21 11-24-21 (cis) 1,2-Dichloroethene ND 0.0010 EPA 8260D 11-24-21 11-24-21 2-Butanone ND 0.0050 EPA 8260D 11-24-21 11-24-21 Bromochloromethane ND 0.0010 EPA 8260D 11-24-21 11-24-21 Chloroform ND 0.0010 EPA 8260D 11-24-21 11-24-21 Carbon Tetrachloride ND 0.0010 EPA 8260D 11-24-21 11-24-21 Carbon Tetrachloride ND 0.0010 EPA 8260D 11-24-21 11-24-21 Carbon Tetrachloride ND 0.0010 EPA 8260D	Methyl t-Butyl Ether	ND	0.0010	EPA 8260D	11-24-21	11-24-21	
2,2-Dichloropropane ND 0.0010 EPA 8260D 11-24-21 11-24-21 (cis) 1,2-Dichloroethene ND 0.0010 EPA 8260D 11-24-21 11-24-21 2-Butanone ND 0.0050 EPA 8260D 11-24-21 11-24-21 Bromochloromethane ND 0.0010 EPA 8260D 11-24-21 11-24-21 Chloroform ND 0.0010 EPA 8260D 11-24-21 11-24-21 Carbon Tetrachloride ND 0.0010 EPA 8260D<	1,1-Dichloroethane	ND	0.0010	EPA 8260D	11-24-21	11-24-21	
(cis) 1,2-Dichloroethene ND 0.0010 EPA 8260D 11-24-21 11-24-21 2-Butanone ND 0.0050 EPA 8260D 11-24-21 11-24-21 Bromochloromethane ND 0.0010 EPA 8260D 11-24-21 11-24-21 Chloroform ND 0.0010 EPA 8260D 11-24-21 11-24-21 1,1,1-Trichloroethane ND 0.0010 EPA 8260D 11-24-21 11-24-21 Carbon Tetrachloride ND 0.0010 EPA 8260D 11-24-21 11-24-21 Carbon Tetrachloride ND 0.0010 EPA 8260D 11-24-21 11-24-21 1,1-Dichloropropene ND 0.0010 EPA 8260D 11-24-21 11-24-21 1,2-Dichloroethane ND 0.0010 EPA 8260D 11-24-21 11-24-21 1,2-Dichloropropane ND 0.0010 EPA 8260D 11-24-21 11-24-21 1,2-Dichloropropane ND 0.0010 EPA 8260D 11-24-21 11-24-21 Dibromomethane ND 0.0010	Vinyl Acetate	ND	0.0050	EPA 8260D	11-24-21	11-24-21	
2-Butanone ND 0.0050 EPA 8260D 11-24-21 11-24-21 Bromochloromethane ND 0.0010 EPA 8260D 11-24-21 11-24-21 Chloroform ND 0.0010 EPA 8260D 11-24-21 11-24-21 1,1,1-Trichloroethane ND 0.0010 EPA 8260D 11-24-21 11-24-21 Carbon Tetrachloride ND 0.0010 EPA 8260D 11-24-21 11-24-21 1,1-Dichloropropene ND 0.0010 EPA 8260D 11-24-21 11-24-21 1,1-Dichloropropene ND 0.0010 EPA 8260D 11-24-21 11-24-21 1,2-Dichloroethane ND 0.0010 EPA 8260D 11-24-21 11-24-21 1,2-Dichloroptopane ND 0.0010 EPA 8260D 11-24-21 11-24-21 1,2-Dichloropropane ND 0.0010 EPA 8260D 11-24-21 11-24-21 Dibromodichloromethane ND 0.0010 EPA 8260D 11-24-21 11-24-21 2-Chloroethyl Vinyl Ether ND 0.005	2,2-Dichloropropane	ND	0.0010	EPA 8260D	11-24-21	11-24-21	
Bromochloromethane ND 0.0010 EPA 8260D 11-24-21 11-24-21 Chloroform ND 0.0010 EPA 8260D 11-24-21 11-24-21 1,1,1-Trichloroethane ND 0.0010 EPA 8260D 11-24-21 11-24-21 Carbon Tetrachloride ND 0.0010 EPA 8260D 11-24-21 11-24-21 1,1-Dichloropropene ND 0.0010 EPA 8260D 11-24-21 11-24-21 Benzene ND 0.0010 EPA 8260D 11-24-21 11-24-21 1,2-Dichloroethane ND 0.0010 EPA 8260D 11-24-21 11-24-21 Trichloroethene ND 0.0010 EPA 8260D 11-24-21 11-24-21 1,2-Dichloropropane ND 0.0010 EPA 8260D 11-24-21 11-24-21 1,2-Dichloromethane ND 0.0010 EPA 8260D 11-24-21 11-24-21 Bromodichloromethane ND 0.0010 EPA 8260D 11-24-21 11-24-21 2-Chloroethyl Vinyl Ether ND 0.0050	(cis) 1,2-Dichloroethene	ND	0.0010	EPA 8260D	11-24-21	11-24-21	
Chloroform ND 0.0010 EPA 8260D 11-24-21 11-24-21 1,1,1-Trichloroethane ND 0.0010 EPA 8260D 11-24-21 11-24-21 Carbon Tetrachloride ND 0.0010 EPA 8260D 11-24-21 11-24-21 1,1-Dichloropropene ND 0.0010 EPA 8260D 11-24-21 11-24-21 Benzene ND 0.0010 EPA 8260D 11-24-21 11-24-21 1,2-Dichloroethane ND 0.0010 EPA 8260D 11-24-21 11-24-21 Trichloroethene ND 0.0010 EPA 8260D 11-24-21 11-24-21 1,2-Dichloropropane ND 0.0010 EPA 8260D 11-24-21 11-24-21 1,2-Dichloropropane ND 0.0010 EPA 8260D 11-24-21 11-24-21 Dibromomethane ND 0.0010 EPA 8260D 11-24-21 11-24-21 2-Chloroethyl Vinyl Ether ND 0.0050 EPA 8260D 11-24-21 11-24-21 (cis) 1,3-Dichloropropene ND 0.0050	2-Butanone	ND	0.0050	EPA 8260D	11-24-21	11-24-21	
1,1,1-Trichloroethane ND 0.0010 EPA 8260D 11-24-21 11-24-21 Carbon Tetrachloride ND 0.0010 EPA 8260D 11-24-21 11-24-21 1,1-Dichloropropene ND 0.0010 EPA 8260D 11-24-21 11-24-21 Benzene ND 0.0010 EPA 8260D 11-24-21 11-24-21 1,2-Dichloroethane ND 0.0010 EPA 8260D 11-24-21 11-24-21 Trichloroethene ND 0.0010 EPA 8260D 11-24-21 11-24-21 1,2-Dichloropropane ND 0.0010 EPA 8260D 11-24-21 11-24-21 Dibromomethane ND 0.0010 EPA 8260D 11-24-21 11-24-21 Bromodichloromethane ND 0.0010 EPA 8260D 11-24-21 11-24-21 2-Chloroethyl Vinyl Ether ND 0.0050 EPA 8260D 11-24-21 11-24-21 (cis) 1,3-Dichloropropene ND 0.0050 EPA 8260D 11-24-21 11-24-21 Methyl Isobutyl Ketone ND 0.0050 EPA 8260D 11-24-21 11-24-21 Toluene	Bromochloromethane	ND	0.0010	EPA 8260D	11-24-21	11-24-21	
Carbon Tetrachloride ND 0.0010 EPA 8260D 11-24-21 11-24-21 1,1-Dichloropropene ND 0.0010 EPA 8260D 11-24-21 11-24-21 Benzene ND 0.0010 EPA 8260D 11-24-21 11-24-21 1,2-Dichloroethane ND 0.0010 EPA 8260D 11-24-21 11-24-21 Trichloroethene ND 0.0010 EPA 8260D 11-24-21 11-24-21 1,2-Dichloropropane ND 0.0010 EPA 8260D 11-24-21 11-24-21 Dibromomethane ND 0.0010 EPA 8260D 11-24-21 11-24-21 Bromodichloromethane ND 0.0010 EPA 8260D 11-24-21 11-24-21 2-Chloroethyl Vinyl Ether ND 0.0050 EPA 8260D 11-24-21 11-24-21 (cis) 1,3-Dichloropropene ND 0.0050 EPA 8260D 11-24-21 11-24-21 Methyl Isobutyl Ketone ND 0.0050 EPA 8260D 11-24-21 11-24-21 Toluene ND 0.0050	Chloroform	ND	0.0010	EPA 8260D	11-24-21	11-24-21	
1,1-Dichloropropene ND 0.0010 EPA 8260D 11-24-21 11-24-21 Benzene ND 0.0010 EPA 8260D 11-24-21 11-24-21 1,2-Dichloroethane ND 0.0010 EPA 8260D 11-24-21 11-24-21 Trichloroethene ND 0.0010 EPA 8260D 11-24-21 11-24-21 1,2-Dichloropropane ND 0.0010 EPA 8260D 11-24-21 11-24-21 Dibromomethane ND 0.0010 EPA 8260D 11-24-21 11-24-21 Bromodichloromethane ND 0.0010 EPA 8260D 11-24-21 11-24-21 2-Chloroethyl Vinyl Ether ND 0.0050 EPA 8260D 11-24-21 11-24-21 (cis) 1,3-Dichloropropene ND 0.0050 EPA 8260D 11-24-21 11-24-21 Methyl Isobutyl Ketone ND 0.0050 EPA 8260D 11-24-21 11-24-21 Toluene ND 0.0050 EPA 8260D 11-24-21 11-24-21	1,1,1-Trichloroethane	ND	0.0010	EPA 8260D	11-24-21	11-24-21	
Benzene ND 0.0010 EPA 8260D 11-24-21 11-24-21 1,2-Dichloroethane ND 0.0010 EPA 8260D 11-24-21 11-24-21 Trichloroethene ND 0.0010 EPA 8260D 11-24-21 11-24-21 1,2-Dichloropropane ND 0.0010 EPA 8260D 11-24-21 11-24-21 Dibromomethane ND 0.0010 EPA 8260D 11-24-21 11-24-21 Bromodichloromethane ND 0.0010 EPA 8260D 11-24-21 11-24-21 2-Chloroethyl Vinyl Ether ND 0.0050 EPA 8260D 11-24-21 11-24-21 (cis) 1,3-Dichloropropene ND 0.0010 EPA 8260D 11-24-21 11-24-21 Methyl Isobutyl Ketone ND 0.0050 EPA 8260D 11-24-21 11-24-21 Toluene ND 0.0050 EPA 8260D 11-24-21 11-24-21	Carbon Tetrachloride	ND	0.0010	EPA 8260D	11-24-21	11-24-21	
1,2-Dichloroethane ND 0.0010 EPA 8260D 11-24-21 11-24-21 Trichloroethene ND 0.0010 EPA 8260D 11-24-21 11-24-21 1,2-Dichloropropane ND 0.0010 EPA 8260D 11-24-21 11-24-21 Dibromomethane ND 0.0010 EPA 8260D 11-24-21 11-24-21 Bromodichloromethane ND 0.0010 EPA 8260D 11-24-21 11-24-21 2-Chloroethyl Vinyl Ether ND 0.0050 EPA 8260D 11-24-21 11-24-21 (cis) 1,3-Dichloropropene ND 0.0010 EPA 8260D 11-24-21 11-24-21 Methyl Isobutyl Ketone ND 0.0050 EPA 8260D 11-24-21 11-24-21 Toluene ND 0.0050 EPA 8260D 11-24-21 11-24-21	1,1-Dichloropropene	ND	0.0010	EPA 8260D	11-24-21	11-24-21	
Trichloroethene ND 0.0010 EPA 8260D 11-24-21 11-24-21 1,2-Dichloropropane ND 0.0010 EPA 8260D 11-24-21 11-24-21 Dibromomethane ND 0.0010 EPA 8260D 11-24-21 11-24-21 Bromodichloromethane ND 0.0010 EPA 8260D 11-24-21 11-24-21 2-Chloroethyl Vinyl Ether ND 0.0050 EPA 8260D 11-24-21 11-24-21 (cis) 1,3-Dichloropropene ND 0.0010 EPA 8260D 11-24-21 11-24-21 Methyl Isobutyl Ketone ND 0.0050 EPA 8260D 11-24-21 11-24-21 Toluene ND 0.0050 EPA 8260D 11-24-21 11-24-21	Benzene	ND	0.0010	EPA 8260D	11-24-21	11-24-21	
1,2-Dichloropropane ND 0.0010 EPA 8260D 11-24-21 11-24-21 Dibromomethane ND 0.0010 EPA 8260D 11-24-21 11-24-21 Bromodichloromethane ND 0.0010 EPA 8260D 11-24-21 11-24-21 2-Chloroethyl Vinyl Ether ND 0.0050 EPA 8260D 11-24-21 11-24-21 (cis) 1,3-Dichloropropene ND 0.0010 EPA 8260D 11-24-21 11-24-21 Methyl Isobutyl Ketone ND 0.0050 EPA 8260D 11-24-21 11-24-21 Toluene ND 0.0050 EPA 8260D 11-24-21 11-24-21	1,2-Dichloroethane	ND	0.0010	EPA 8260D	11-24-21	11-24-21	
Dibromomethane ND 0.0010 EPA 8260D 11-24-21 11-24-21 Bromodichloromethane ND 0.0010 EPA 8260D 11-24-21 11-24-21 2-Chloroethyl Vinyl Ether ND 0.0050 EPA 8260D 11-24-21 11-24-21 (cis) 1,3-Dichloropropene ND 0.0010 EPA 8260D 11-24-21 11-24-21 Methyl Isobutyl Ketone ND 0.0050 EPA 8260D 11-24-21 11-24-21 Toluene ND 0.0050 EPA 8260D 11-24-21 11-24-21	Trichloroethene	ND	0.0010	EPA 8260D	11-24-21	11-24-21	
Bromodichloromethane ND 0.0010 EPA 8260D 11-24-21 11-24-21 2-Chloroethyl Vinyl Ether ND 0.0050 EPA 8260D 11-24-21 11-24-21 (cis) 1,3-Dichloropropene ND 0.0010 EPA 8260D 11-24-21 11-24-21 Methyl Isobutyl Ketone ND 0.0050 EPA 8260D 11-24-21 11-24-21 Toluene ND 0.0050 EPA 8260D 11-24-21 11-24-21	1,2-Dichloropropane	ND	0.0010	EPA 8260D	11-24-21	11-24-21	
2-Chloroethyl Vinyl Ether ND 0.0050 EPA 8260D 11-24-21 11-24-21 (cis) 1,3-Dichloropropene ND 0.0010 EPA 8260D 11-24-21 11-24-21 Methyl Isobutyl Ketone ND 0.0050 EPA 8260D 11-24-21 11-24-21 Toluene ND 0.0050 EPA 8260D 11-24-21 11-24-21	Dibromomethane	ND	0.0010	EPA 8260D	11-24-21	11-24-21	
(cis) 1,3-Dichloropropene ND 0.0010 EPA 8260D 11-24-21 11-24-21 Methyl Isobutyl Ketone ND 0.0050 EPA 8260D 11-24-21 11-24-21 Toluene ND 0.0050 EPA 8260D 11-24-21 11-24-21	Bromodichloromethane	ND	0.0010	EPA 8260D	11-24-21	11-24-21	
(cis) 1,3-Dichloropropene ND 0.0010 EPA 8260D 11-24-21 11-24-21 Methyl Isobutyl Ketone ND 0.0050 EPA 8260D 11-24-21 11-24-21 Toluene ND 0.0050 EPA 8260D 11-24-21 11-24-21	2-Chloroethyl Vinyl Ether	ND	0.0050	EPA 8260D	11-24-21	11-24-21	
Methyl Isobutyl Ketone ND 0.0050 EPA 8260D 11-24-21 11-24-21 Toluene ND 0.0050 EPA 8260D 11-24-21 11-24-21	(cis) 1,3-Dichloropropene	ND	0.0010	EPA 8260D	11-24-21	11-24-21	
Toluene ND 0.0050 EPA 8260D 11-24-21 11-24-21	Methyl Isobutyl Ketone	ND	0.0050	EPA 8260D	11-24-21	11-24-21	
(trans) 1,3-Dichloropropene ND 0.0010 EPA 8260D 11-24-21 11-24-21	Toluene	ND	0.0050	EPA 8260D	11-24-21	11-24-21	
	(trans) 1,3-Dichloropropene	ND	0.0010	EPA 8260D	11-24-21	11-24-21	

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Project: 060172

VOLATILE ORGANICS EPA 8260D QUALITY CONTROL

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				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1124S1					
1,1,2-Trichloroethane	ND	0.0010	EPA 8260D	11-24-21	11-24-21	
Tetrachloroethene	ND	0.0010	EPA 8260D	11-24-21	11-24-21	
1,3-Dichloropropane	ND	0.0010	EPA 8260D	11-24-21	11-24-21	
2-Hexanone	ND	0.0050	EPA 8260D	11-24-21	11-24-21	
Dibromochloromethane	ND	0.0010	EPA 8260D	11-24-21	11-24-21	
1,2-Dibromoethane	ND	0.0010	EPA 8260D	11-24-21	11-24-21	
Chlorobenzene	ND	0.0010	EPA 8260D	11-24-21	11-24-21	
1,1,1,2-Tetrachloroethane	ND	0.0010	EPA 8260D	11-24-21	11-24-21	
Ethylbenzene	ND	0.0010	EPA 8260D	11-24-21	11-24-21	
m,p-Xylene	ND	0.0020	EPA 8260D	11-24-21	11-24-21	
o-Xylene	ND	0.0010	EPA 8260D	11-24-21	11-24-21	
Styrene	ND	0.0010	EPA 8260D	11-24-21	11-24-21	
Bromoform	ND	0.0050	EPA 8260D	11-24-21	11-24-21	
Isopropylbenzene	ND	0.0010	EPA 8260D	11-24-21	11-24-21	
Bromobenzene	ND	0.0010	EPA 8260D	11-24-21	11-24-21	
1,1,2,2-Tetrachloroethane	ND	0.0010	EPA 8260D	11-24-21	11-24-21	
1,2,3-Trichloropropane	ND	0.0010	EPA 8260D	11-24-21	11-24-21	
n-Propylbenzene	ND	0.0010	EPA 8260D	11-24-21	11-24-21	
2-Chlorotoluene	ND	0.0010	EPA 8260D	11-24-21	11-24-21	
4-Chlorotoluene	ND	0.0010	EPA 8260D	11-24-21	11-24-21	
1,3,5-Trimethylbenzene	ND	0.0010	EPA 8260D	11-24-21	11-24-21	
tert-Butylbenzene	ND	0.0010	EPA 8260D	11-24-21	11-24-21	
1,2,4-Trimethylbenzene	ND	0.0010	EPA 8260D	11-24-21	11-24-21	
sec-Butylbenzene	ND	0.0010	EPA 8260D	11-24-21	11-24-21	
1,3-Dichlorobenzene	ND	0.0010	EPA 8260D	11-24-21	11-24-21	
p-Isopropyltoluene	ND	0.0010	EPA 8260D	11-24-21	11-24-21	
1,4-Dichlorobenzene	ND	0.0010	EPA 8260D	11-24-21	11-24-21	
1,2-Dichlorobenzene	ND	0.0010	EPA 8260D	11-24-21	11-24-21	
n-Butylbenzene	ND	0.0010	EPA 8260D	11-24-21	11-24-21	
1,2-Dibromo-3-chloropropane	ND	0.0050	EPA 8260D	11-24-21	11-24-21	
1,2,4-Trichlorobenzene	ND	0.0010	EPA 8260D	11-24-21	11-24-21	
Hexachlorobutadiene	ND	0.0050	EPA 8260D	11-24-21	11-24-21	
Naphthalene	ND	0.0050	EPA 8260D	11-24-21	11-24-21	
1,2,3-Trichlorobenzene	ND	0.0010	EPA 8260D	11-24-21	11-24-21	
Surrogate:	Percent Recovery	Control Limits				
Dibromofluoromethane	98	74-131				
Toluene-d8	104	78-128				
4-Bromofluorobenzene	104	71-130				

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VOLATILE ORGANICS EPA 8260D QUALITY CONTROL

				Pe	rcent	Recovery		RPD	
Res	ult	Spike	Level	Red	overy	Limits	RPD	Limit	Flags
SB11	23S1								
SB	SBD	SB	SBD	SB	SBD				
0.0495	0.0513	0.0500	0.0500	99	103	71-131	4	19	
0.0518	0.0544	0.0500	0.0500	104	109	73-124	5	18	
0.0528	0.0552	0.0500	0.0500	106	110	79-130	4	18	
0.0493	0.0509	0.0500	0.0500	99	102	76-123	3	18	
0.0461	0.0486	0.0500	0.0500	92	97	78-122	5	18	
				104	105	74-131			
				105	105	78-128			
				106	107	71-130			
SB11	24S1								
SB	SBD	SB	SBD	SB	SBD				
0.0507	0.0578	0.0500	0.0500	101	116	71-131	13	19	
0.0515	0.0569	0.0500	0.0500	103	114	73-124	10	18	
0.0533	0.0606	0.0500	0.0500	107	121	79-130	13	18	
0.0495	0.0554	0.0500	0.0500	99	111	76-123	11	18	
0.0453	0.0502	0.0500	0.0500	91	100	78-122	10	18	
				99	98	74-131			
				104	104	78-128			
				106	106	71-130			
	SB11 SB 0.0495 0.0518 0.0528 0.0493 0.0461 SB11 SB 0.0507 0.0515 0.0533 0.0495	0.0495 0.0513 0.0518 0.0544 0.0528 0.0552 0.0493 0.0509 0.0461 0.0486 SB1124S1 SB SBD 0.0507 0.0578 0.0515 0.0569 0.0533 0.0606 0.0495 0.0554	SB1123S1 SB SBD SB 0.0495 0.0513 0.0500 0.0518 0.0544 0.0500 0.0528 0.0552 0.0500 0.0493 0.0509 0.0500 0.0461 0.0486 0.0500 SB1124S1 SB SBD SB 0.0507 0.0578 0.0500 0.0515 0.0569 0.0500 0.0495 0.0554 0.0500	SB1123S1 SB SBD SB SBD 0.0495 0.0513 0.0500 0.0500 0.0518 0.0544 0.0500 0.0500 0.0528 0.0552 0.0500 0.0500 0.0493 0.0509 0.0500 0.0500 0.0461 0.0486 0.0500 0.0500 SB SBD SB SBD 0.0507 0.0578 0.0500 0.0500 0.0533 0.0606 0.0500 0.0500 0.0495 0.0554 0.0500 0.0500	Result Spike Level Recommendation SB1123S1 SB SBD SB 0.0495 0.0513 0.0500 0.0500 99 0.0518 0.0544 0.0500 0.0500 104 0.0528 0.0552 0.0500 0.0500 99 0.0493 0.0509 0.0500 0.0500 99 0.0461 0.0486 0.0500 0.0500 92 **SB*** SBD SB SB \$B 0.0507 0.0578 0.0500 0.0500 103 0.0533 0.0606 0.0500 0.0500 107 0.0495 0.0554 0.0500 0.0500 99 0.0453 0.0502 0.0500 0.0500 91	SB SBD SB SBD SB SBD SB SBD SB SBD SB	Result Spike Level Recovery Limits SB1123S1 SB SBD SB SBD 0.0495 0.0513 0.0500 0.0500 99 103 71-131 0.0518 0.0544 0.0500 0.0500 104 109 73-124 0.0528 0.0552 0.0500 0.0500 106 110 79-130 0.0493 0.0509 0.0500 0.0500 99 102 76-123 0.0461 0.0486 0.0500 0.0500 92 97 78-122 SB SBD SB SBD 104 105 74-131 105 74-131 105 78-128 106 107 71-130 SB1124S1 SB SBD SB SBD SB SBD 0.0507 0.0578 0.0500 0.0500 101 116 71-131 0.0515 0.0569 0.0500 0.0500 107 121	Result Spike Level Recovery Limits RPD SB 123S1 SB SBD SB SBD SB SBD SB SBD SB SBD Colspan="2">Colspan="2">Quality SB SBD SB SBD Colspan="2">Colspan="	Result Spike Level Recovery Limits RPD Limits SB1123S1 SB SBD SB SBD 0.0495 0.0513 0.0500 0.0500 99 103 71-131 4 19 0.0518 0.0544 0.0500 0.0500 104 109 73-124 5 18 0.0528 0.0552 0.0500 0.0500 106 110 79-130 4 18 0.0493 0.0509 0.0500 0.0500 99 102 76-123 3 18 0.0461 0.0486 0.0500 0.0500 92 97 78-122 5 18 SB1124S1 SB SBD SB SBD SB SBD 0.0507 0.0578 0.0500 0.0500 101 116 71-131 13 19 0.0515 0.0569 0.0500 0

Laboratory Reference: 2111-226 Project: 060172

% MOISTURE

Client ID	Lab ID	% Moisture	Date Analyzed
CB-10-6-112221	11-226-01	16	11-23-21
CB-10-13-112221	11-226-02	24	11-23-21
CB-10-16-112221	11-226-03	27	11-23-21
CB-10-23.5-112221	11-226-04	26	11-23-21
CB-8-3-112221	11-226-05	7	11-23-21
CB-8-10-112221	11-226-06	19	11-23-21
CB-7-5-112221	11-226-07	10	11-23-21
CB-7-10.5-112221	11-226-08	25	11-23-21
CB-6-5.0-112221	11-226-09	13	11-23-21
CB-6-8.0-112221	11-226-10	12	11-23-21
CB-6-15-112221	11-226-11	14	11-23-21
CB-6-21-112221	11-226-12	26	11-23-21



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.
- 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 The sample chromatogram is similar to mineral spirits.
- ND Not Detected at PQL
- PQL Practical Quantitation Limit
- RPD Relative Percent Difference





Chain of Custody

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Chain of Custody

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November 29, 2021

Jeremy Porter Aspect Consulting Dexter Horton Building 710 2nd Avenue, Suite 550 Seattle, WA 98104

Re: Analytical Data for Project 060172

Laboratory Reference No. 2111-244

Dear Jeremy:

Enclosed are the analytical results and associated quality control data for samples submitted on November 23, 2021.

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,

David Baumeister Project Manager

Enclosures



Laboratory Reference: 2111-244

Project: 060172

Case Narrative

Samples were collected on November 23, 2021 and received by the laboratory on November 23, 2021. 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.

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-Gx Analysis

The chromatogram for sample CB-09-22-112321 is similar to mineral spirits.

Volatiles EPA 8260D Analysis

The value reported for Acetone in sample CB-11-5-112321 exceeds the calibration range and is therefore an estimate. The sample was re-analyzed at the lowest possible dilution allowed by Method 5035A with non-detect results for Acetone.

Please note that any other QA/QC issues associated with these extractions and analyses will be indicated with a footnote reference and discussed in detail on the Data Qualifier page.

Laboratory Reference: 2111-244

Project: 060172

GASOLINE RANGE ORGANICS NWTPH-Gx

Matrix: Soil

Units: mg/kg (ppm)

Doord.	DOL	Madhad	Date	Date	-
	PQL	wetnoa	Prepared	Anaiyzed	Flags
		NW IPH-Gx	11-24-21	11-24-21	
105	66-129				
CB-09-13-112321					
11-244-02					
ND	6.7	NWTPH-Gx	11-24-21	11-24-21	
Percent Recovery	Control Limits				
100	66-129				
CB-09-18-112321					
11-244-03					
ND	8.3	NWTPH-Gx	11-24-21	11-24-21	
Percent Recovery	Control Limits				
106	66-129				
CB-09-22-112321					
11-244-04					
7.7	7.4	NWTPH-Gx	11-24-21	11-24-21	Z
Percent Recovery	Control Limits				
113	66-129				
CB-11-5-112321					
ND	5.0	NWTPH-Gx	11-24-21	11-24-21	
Percent Recovery	Control Limits				
95	66-129				
CB-11-8.5-112321					
11-244-06					
ND	6.4	NWTPH-Gx	11-24-21	11-24-21	
Percent Recovery	Control Limits				
106					
	11-244-02 ND Percent Recovery 100 CB-09-18-112321 11-244-03 ND Percent Recovery 106 CB-09-22-112321 11-244-04 7.7 Percent Recovery 113 CB-11-5-112321 11-244-05 ND Percent Recovery 95 CB-11-8.5-112321 11-244-06 ND	CB-09-5-112321	ND 5.1 NWTPH-Gx	Result PQL Method Prepared CB-09-5-112321 11-244-01 11-244-01 11-244-21 ND 5.1 NWTPH-Gx 11-24-21 Percent Recovery 105 66-129 11-24-21 CB-09-13-112321 11-244-02 NWTPH-Gx 11-24-21 Percent Recovery 100 Control Limits 66-129 11-24-21 Percent Recovery 106 Control Limits 66-129 11-24-21 CB-09-22-112321 11-244-04 NWTPH-Gx 11-24-21 Percent Recovery 113 Control Limits 66-129 11-24-21 CB-11-5-112321 11-244-05 ND 5.0 NWTPH-Gx 11-24-21 Percent Recovery 95 Control Limits 66-129 11-24-21 CB-11-8.5-112321 11-244-06 NWTPH-Gx 11-24-21	Result PQL Method Prepared Analyzed CB-09-5-112321 11-244-01 11-24-21 4 Analyzed ND 5.1 NWTPH-Gx 11-24-21 11-24-21 Percent Recovery 105 66-129 4 Analyzed 11-24-21 11-24-21 CB-09-13-112321 11-244-02 ND 6.7 NWTPH-Gx 11-24-21 11-24-21 Percent Recovery 106 66-129 4 NWTPH-Gx 11-24-21 11-24-21 Percent Recovery 11-244-04 Control Limits 66-129 11-24-21 11-24-21 11-24-21 Percent Recovery 11-244-05 Analyzed Analyzed Analyzed 11-24-21 11-24-21 RD 5.0 NWTPH-Gx 11-24-21 11-24-21 11-24-21 Percent Recovery 95 Control Limits 66-129 11-24-21 11-24-21 11-24-21 CB-11-8.5-112321 11-244-06 ND 6.4 NWTPH-Gx 11-24-21 11-24-21

Laboratory Reference: 2111-244 Project: 060172

GASOLINE RANGE ORGANICS NWTPH-Gx QUALITY CONTROL

Matrix: Soil

Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1124S1					
Gasoline	ND	5.0	NWTPH-Gx	11-24-21	11-24-21	
Surrogate:	Percent Recovery	Control Limits				
Fluorobenzene	108	66-129				

Analysia	Dog	14	Cnika	Laval	Source	Percent	Recovery	BBB	RPD	Elogo
Analyte	Res	sult	Spike	Levei	Result	Recovery	Limits	RPD	Limit	Flags
DUPLICATE										
Laboratory ID:	11-24	14-01								
	ORIG	DUP								
Gasoline	ND	ND	NA	NA		NA	NA	NA	30	
Surrogate:										
Fluorobenzene						105 110	66-129			

Laboratory Reference: 2111-244

Project: 060172

VOLATILE ORGANICS EPA 8260D

page 1 of 2

Matrix: Soil Units: mg/kg

				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	CB-09-5-112321					
Laboratory ID:	11-244-01					
Dichlorodifluoromethane	ND	0.00095	EPA 8260D	11-24-21	11-24-21	
Chloromethane	ND	0.0048	EPA 8260D	11-24-21	11-24-21	
Vinyl Chloride	ND	0.00095	EPA 8260D	11-24-21	11-24-21	
Bromomethane	ND	0.0048	EPA 8260D	11-24-21	11-24-21	
Chloroethane	ND	0.0048	EPA 8260D	11-24-21	11-24-21	
Trichlorofluoromethane	ND	0.00095	EPA 8260D	11-24-21	11-24-21	
1,1-Dichloroethene	ND	0.00095	EPA 8260D	11-24-21	11-24-21	
Acetone	ND	0.0095	EPA 8260D	11-24-21	11-24-21	
lodomethane	ND	0.0048	EPA 8260D	11-24-21	11-24-21	
Carbon Disulfide	ND	0.00095	EPA 8260D	11-24-21	11-24-21	
Methylene Chloride	ND	0.0048	EPA 8260D	11-24-21	11-24-21	
(trans) 1,2-Dichloroethene	ND	0.00095	EPA 8260D	11-24-21	11-24-21	
Methyl t-Butyl Ether	ND	0.00095	EPA 8260D	11-24-21	11-24-21	
1,1-Dichloroethane	ND	0.00095	EPA 8260D	11-24-21	11-24-21	
Vinyl Acetate	ND	0.0048	EPA 8260D	11-24-21	11-24-21	
2,2-Dichloropropane	ND	0.00095	EPA 8260D	11-24-21	11-24-21	
(cis) 1,2-Dichloroethene	ND	0.00095	EPA 8260D	11-24-21	11-24-21	
2-Butanone	ND	0.0048	EPA 8260D	11-24-21	11-24-21	
Bromochloromethane	ND	0.00095	EPA 8260D	11-24-21	11-24-21	
Chloroform	ND	0.00095	EPA 8260D	11-24-21	11-24-21	
1,1,1-Trichloroethane	ND	0.00095	EPA 8260D	11-24-21	11-24-21	
Carbon Tetrachloride	ND	0.00095	EPA 8260D	11-24-21	11-24-21	
1,1-Dichloropropene	ND	0.00095	EPA 8260D	11-24-21	11-24-21	
Benzene	ND	0.00095	EPA 8260D	11-24-21	11-24-21	
1,2-Dichloroethane	ND	0.00095	EPA 8260D	11-24-21	11-24-21	
Trichloroethene	ND	0.00095	EPA 8260D	11-24-21	11-24-21	
1,2-Dichloropropane	ND	0.00095	EPA 8260D	11-24-21	11-24-21	
Dibromomethane	ND	0.00095	EPA 8260D	11-24-21	11-24-21	
Bromodichloromethane	ND	0.00095	EPA 8260D	11-24-21	11-24-21	
2-Chloroethyl Vinyl Ether	ND	0.0048	EPA 8260D	11-24-21	11-24-21	
(cis) 1,3-Dichloropropene	ND	0.00095	EPA 8260D	11-24-21	11-24-21	
Methyl Isobutyl Ketone	ND	0.0048	EPA 8260D	11-24-21	11-24-21	
Toluene	ND	0.0048	EPA 8260D	11-24-21	11-24-21	
(trans) 1,3-Dichloropropene	ND	0.00095	EPA 8260D	11-24-21	11-24-21	

Laboratory Reference: 2111-244

Project: 060172

VOLATILE ORGANICS EPA 8260D

page 2 of 2

				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	CB-09-5-112321					
Laboratory ID:	11-244-01					
1,1,2-Trichloroethane	ND	0.00095	EPA 8260D	11-24-21	11-24-21	
Tetrachloroethene	ND	0.00095	EPA 8260D	11-24-21	11-24-21	
1,3-Dichloropropane	ND	0.00095	EPA 8260D	11-24-21	11-24-21	
2-Hexanone	ND	0.0048	EPA 8260D	11-24-21	11-24-21	
Dibromochloromethane	ND	0.00095	EPA 8260D	11-24-21	11-24-21	
1,2-Dibromoethane	ND	0.00095	EPA 8260D	11-24-21	11-24-21	
Chlorobenzene	ND	0.00095	EPA 8260D	11-24-21	11-24-21	
1,1,1,2-Tetrachloroethane	ND	0.00095	EPA 8260D	11-24-21	11-24-21	
Ethylbenzene	ND	0.00095	EPA 8260D	11-24-21	11-24-21	
m,p-Xylene	ND	0.0019	EPA 8260D	11-24-21	11-24-21	
o-Xylene	ND	0.00095	EPA 8260D	11-24-21	11-24-21	
Styrene	ND	0.00095	EPA 8260D	11-24-21	11-24-21	
Bromoform	ND	0.0048	EPA 8260D	11-24-21	11-24-21	
Isopropylbenzene	ND	0.00095	EPA 8260D	11-24-21	11-24-21	
Bromobenzene	ND	0.00095	EPA 8260D	11-24-21	11-24-21	
1,1,2,2-Tetrachloroethane	ND	0.00095	EPA 8260D	11-24-21	11-24-21	
1,2,3-Trichloropropane	ND	0.00095	EPA 8260D	11-24-21	11-24-21	
n-Propylbenzene	ND	0.00095	EPA 8260D	11-24-21	11-24-21	
2-Chlorotoluene	ND	0.00095	EPA 8260D	11-24-21	11-24-21	
4-Chlorotoluene	ND	0.00095	EPA 8260D	11-24-21	11-24-21	
1,3,5-Trimethylbenzene	ND	0.00095	EPA 8260D	11-24-21	11-24-21	
tert-Butylbenzene	ND	0.00095	EPA 8260D	11-24-21	11-24-21	
1,2,4-Trimethylbenzene	ND	0.00095	EPA 8260D	11-24-21	11-24-21	
sec-Butylbenzene	ND	0.00095	EPA 8260D	11-24-21	11-24-21	
1,3-Dichlorobenzene	ND	0.00095	EPA 8260D	11-24-21	11-24-21	
p-Isopropyltoluene	ND	0.00095	EPA 8260D	11-24-21	11-24-21	
1,4-Dichlorobenzene	ND	0.00095	EPA 8260D	11-24-21	11-24-21	
1,2-Dichlorobenzene	ND	0.00095	EPA 8260D	11-24-21	11-24-21	
n-Butylbenzene	ND	0.00095	EPA 8260D	11-24-21	11-24-21	
1,2-Dibromo-3-chloropropane	e ND	0.0048	EPA 8260D	11-24-21	11-24-21	
1,2,4-Trichlorobenzene	ND	0.00095	EPA 8260D	11-24-21	11-24-21	
Hexachlorobutadiene	ND	0.0048	EPA 8260D	11-24-21	11-24-21	
Naphthalene	ND	0.0048	EPA 8260D	11-24-21	11-24-21	
1,2,3-Trichlorobenzene	ND	0.00095	EPA 8260D	11-24-21	11-24-21	
Surrogate:	Percent Recovery	Control Limits				
Dibromofluoromethane	94	74-131				
Toluene-d8	102	78-128				

4-Bromofluorobenzene

71-130

101

Laboratory Reference: 2111-244

Project: 060172

VOLATILE ORGANICS EPA 8260D

page 1 of 2

Matrix: Soil Units: mg/kg

Client ID:					Date	Date	
Dichlorodifluoromethane	Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Dichlorodiffluoromethane	Client ID:	CB-09-13-112321					
Chloromethane ND 0.0055 EPA 8260D 11-24-21 11-24-21 11-24-21 Vinyl Chloride ND 0.0011 EPA 8260D 11-24-21 11-24-21 11-24-21 Bromomethane ND 0.0055 EPA 8260D 11-24-21 11-24-21 Chloroethane ND 0.0055 EPA 8260D 11-24-21 11-24-21 Trichlorofluoromethane ND 0.0011 EPA 8260D 11-24-21 11-24-21 1,1-Dichloroethene ND 0.0011 EPA 8260D 11-24-21 11-24-21 Acetone 0.096 0.011 EPA 8260D 11-24-21 11-24-21 Y Indomethane ND 0.0055 EPA 8260D 11-24-21 11-24-21 Y Garbon Disulfide ND 0.0011 EPA 8260D 11-24-21 11-24-21 Y Methylene Chloride ND 0.0011 EPA 8260D 11-24-21 11-24-21 Y Methyl t-Burly Ether ND 0.0011 EPA 8260D 11-24-21 11-24-21	Laboratory ID:	11-244-02					
Vinyl Chloride ND 0.0011 EPA 8260D 11-24-21 11-24-21 Bromomethane ND 0.0055 EPA 8260D 11-24-21 11-24-21 Chloroethane ND 0.0055 EPA 8260D 11-24-21 11-24-21 Trichlorofluoromethane ND 0.0011 EPA 8260D 11-24-21 11-24-21 1,1-Dichloroethene ND 0.0011 EPA 8260D 11-24-21 11-24-21 Acetone 0.096 0.011 EPA 8260D 11-24-21 11-24-21 Y Iodomethane ND 0.0055 EPA 8260D 11-24-21 11-24-21 Y Iodomethane ND 0.0011 EPA 8260D 11-24-21 11-24-21 Y Iodomethane ND 0.0011 EPA 8260D 11-24-21 11-24-21 Y Methyl t-Butyl Ether ND 0.0011 EPA 8260D 11-24-21 11-24-21 Y Vinyl Acetate ND 0.0011 EPA 8260D 11-24-21 11-24-21 Y	Dichlorodifluoromethane	ND	0.0011	EPA 8260D	11-24-21	11-24-21	
Bromomethane	Chloromethane	ND	0.0055	EPA 8260D	11-24-21	11-24-21	
Chloroethane ND 0.0055 EPA 8260D 11-24-21 11-24-21 Trichlorofluoromethane ND 0.0011 EPA 8260D 11-24-21 11-24-21 1,1-Dichloroethene ND 0.0011 EPA 8260D 11-24-21 11-24-21 Acetone 0.096 0.011 EPA 8260D 11-24-21 11-24-21 Y Idodomethane ND 0.0055 EPA 8260D 11-24-21 11-24-21 Y Idodomethane ND 0.0055 EPA 8260D 11-24-21 11-24-21 Y Idodomethane ND 0.0011 EPA 8260D 11-24-21 11-24-21 Y Methylene Chloride ND 0.0055 EPA 8260D 11-24-21 11-24-21 Y Methyl t-Butyl Ether ND 0.0011 EPA 8260D 11-24-21 11-24-21 Y Methyl t-Butyl Ether ND 0.0011 EPA 8260D 11-24-21 11-24-21 Y Vinyl Acetate ND 0.0011 EPA 8260D 11-24-21 11-24-2	Vinyl Chloride	ND	0.0011	EPA 8260D	11-24-21	11-24-21	
Trichlorofluoromethane	Bromomethane	ND	0.0055	EPA 8260D	11-24-21	11-24-21	
1,1-Dichloroethene ND 0.0011 EPA 8260D 11-24-21 11-24-21 Y Acetone 0.096 0.011 EPA 8260D 11-24-21 11-24-21 Y Iodomethane ND 0.0055 EPA 8260D 11-24-21 11-24-21 Y Carbon Disulfide ND 0.0011 EPA 8260D 11-24-21 11-24-21 11-24-21 Methylene Chloride ND 0.0055 EPA 8260D 11-24-21 11-24-21 11-24-21 (trans) 1,2-Dichloroethene ND 0.0011 EPA 8260D 11-24-21 11-24-21 Methyl I-Butyl Ether ND 0.0011 EPA 8260D 11-24-21 11-24-21 Methyl Lebutyl Ether ND 0.0011 EPA 8260D 11-24-21 11-24-21 Methyl Lebutyl Ether ND 0.0011 EPA 8260D 11-24-21 11-24-21 1,1-Dichloroethane ND 0.0011 EPA 8260D 11-24-21 11-24-21 2,2-Dichloroptopane ND 0.0011 EPA 8260D 11-24-21 11-2	Chloroethane	ND	0.0055	EPA 8260D	11-24-21	11-24-21	
Acetone 0.096 0.011 EPA 8260D 11-24-21 11-24-21 Y Iodomethane ND 0.0055 EPA 8260D 11-24-21	Trichlorofluoromethane	ND	0.0011	EPA 8260D	11-24-21	11-24-21	
ND	1,1-Dichloroethene	ND	0.0011	EPA 8260D	11-24-21	11-24-21	
Carbon Disulfide ND 0.0011 EPA 8260D 11-24-21 11-24-21 Methylene Chloride ND 0.0055 EPA 8260D 11-24-21 11-24-21 (trans) 1,2-Dichloroethene ND 0.0011 EPA 8260D 11-24-21 11-24-21 Methyl t-Butyl Ether ND 0.0011 EPA 8260D 11-24-21 11-24-21 Methyl t-Butyl Ether ND 0.0011 EPA 8260D 11-24-21 11-24-21 1,1-Dichloroethane ND 0.0011 EPA 8260D 11-24-21 11-24-21 Vinyl Acetate ND 0.0055 EPA 8260D 11-24-21 11-24-21 2,2-Dichloropropane ND 0.0011 EPA 8260D 11-24-21 11-24-21 (cis) 1,2-Dichloroethene ND 0.0011 EPA 8260D 11-24-21 11-24-21 2-Butanone 0.013 0.0055 EPA 8260D 11-24-21 11-24-21 2-Butanone 0.013 0.0055 EPA 8260D 11-24-21 11-24-21 2-Butanone 0.013 0.0055	Acetone	0.096	0.011	EPA 8260D	11-24-21	11-24-21	Υ
Methylene Chloride ND 0.0055 EPA 8260D 11-24-21 11-24-21 (trans) 1,2-Dichloroethene ND 0.0011 EPA 8260D 11-24-21 11-24-21 Methyl t-Butyl Ether ND 0.0011 EPA 8260D 11-24-21 11-24-21 1,1-Dichloroethane ND 0.0011 EPA 8260D 11-24-21 11-24-21 Vinyl Acetate ND 0.0055 EPA 8260D 11-24-21 11-24-21 2,2-Dichloropropane ND 0.0011 EPA 8260D 11-24-21 11-24-21 2,2-Dichloroethene ND 0.0011 EPA 8260D 11-24-21 11-24-21 2,2-Dichloroethene ND 0.0011 EPA 8260D 11-24-21 11-24-21 2-Butanone 0.013 0.0055 EPA 8260D 11-24-21 11-24-21 2-Butanone 0.013 0.0055 EPA 8260D 11-24-21 11-24-21 Pomochloromethane ND 0.0011 EPA 8260D 11-24-21 11-24-21 Chloroform ND 0.0011 <t< td=""><td>lodomethane</td><td>ND</td><td>0.0055</td><td>EPA 8260D</td><td>11-24-21</td><td>11-24-21</td><td></td></t<>	lodomethane	ND	0.0055	EPA 8260D	11-24-21	11-24-21	
(trans) 1,2-Dichloroethene ND 0.0011 EPA 8260D 11-24-21 11-24-21 Methyl t-Butyl Ether ND 0.0011 EPA 8260D 11-24-21 11-24-21 1,1-Dichloroethane ND 0.0011 EPA 8260D 11-24-21 11-24-21 Vinyl Acetate ND 0.0055 EPA 8260D 11-24-21 11-24-21 2,2-Dichloropropane ND 0.0011 EPA 8260D 11-24-21 11-24-21 (cis) 1,2-Dichloroethene ND 0.0011 EPA 8260D 11-24-21 11-24-21 2-Butanone 0.013 0.0055 EPA 8260D 11-24-21 11-24-21 2-Butanone 0.011 EPA 8260D 11-24-21 11-24-21 11-24-21 Chloroftorm ND 0.0011 EPA	Carbon Disulfide	ND	0.0011	EPA 8260D	11-24-21	11-24-21	
Methyl t-Butyl Ether ND 0.0011 EPA 8260D 11-24-21 11-24-21 1,1-Dichloroethane ND 0.0011 EPA 8260D 11-24-21 11-24-21 Vinyl Acetate ND 0.0055 EPA 8260D 11-24-21 11-24-21 2,2-Dichloropropane ND 0.0011 EPA 8260D 11-24-21 11-24-21 2,2-Dichloroethene ND 0.0011 EPA 8260D 11-24-21 11-24-21 2,2-Dichloroethene ND 0.0011 EPA 8260D 11-24-21 11-24-21 2-Butanone 0.013 0.0055 EPA 8260D 11-24-21 11-24-21 2-Butanone 0.013 0.0055 EPA 8260D 11-24-21 11-24-21 2-Butanone ND 0.0011 EPA 8260D 11-24-21 11-24-21 2-Butanone ND 0.0011 EPA 8260D 11-24-21 11-24-21 2-Butanone ND 0.0011 EPA 8260D 11-24-21 11-24-21 1,1,1-Trichloroethane ND 0.0011 EPA 8260D	Methylene Chloride	ND	0.0055	EPA 8260D	11-24-21	11-24-21	
1,1-Dichloroethane ND 0.0011 EPA 8260D 11-24-21 11-24-21 Vinyl Acetate ND 0.0055 EPA 8260D 11-24-21 11-24-21 2,2-Dichloropropane ND 0.0011 EPA 8260D 11-24-21 11-24-21 (cis) 1,2-Dichloroethene ND 0.0011 EPA 8260D 11-24-21 11-24-21 2-Butanone 0.013 0.0055 EPA 8260D 11-24-21 11-24-21 Y Bromochloromethane ND 0.0011 EPA 8260D 11-24-21 11-24-21 Y Bromochloromethane ND 0.0011 EPA 8260D 11-24-21 11-24-21 Y Bromochloromethane ND 0.0011 EPA 8260D 11-24-21 11-24-21 Y Chloroform ND 0.0011 EPA 8260D 11-24-21 11-24-21 Y Carbon Tetrachloride ND 0.0011 EPA 8260D 11-24-21 11-24-21 11-24-21 11-24-21 11-24-21 11-24-21 11-24-21 11-24-21 11-24-21	(trans) 1,2-Dichloroethene	ND	0.0011	EPA 8260D	11-24-21	11-24-21	
Vinyl Acetate ND 0.0055 EPA 8260D 11-24-21 11-24-21 2,2-Dichloropropane ND 0.0011 EPA 8260D 11-24-21 11-24-21 2,2-Dichloroethene ND 0.0011 EPA 8260D 11-24-21 11-24-21 2-Butanone 0.013 0.0055 EPA 8260D 11-24-21 11-24-21 Y Bromochloromethane ND 0.0011 EPA 8260D 11-24-21 11-24-21 Y Bromochloromethane ND 0.0011 EPA 8260D 11-24-21 11-24-21 Y Chloroform ND 0.0011 EPA 8260D 11-24-21 11-24-21 Y Chloroform ND 0.0011 EPA 8260D 11-24-21 11-24-21 Y Carbon Tetrachloride ND 0.0011 EPA 8260D 11-24-21 11-24-21 11-24-21 L1,1-Dichloropropene ND 0.0011 EPA 8260D 11-24-21 11-24-21 Benzene ND 0.0011 EPA 8260D 11-24-21 11-24-21 <td>Methyl t-Butyl Ether</td> <td>ND</td> <td>0.0011</td> <td>EPA 8260D</td> <td>11-24-21</td> <td>11-24-21</td> <td></td>	Methyl t-Butyl Ether	ND	0.0011	EPA 8260D	11-24-21	11-24-21	
2,2-Dichloropropane ND 0.0011 EPA 8260D 11-24-21 11-24-21 (cis) 1,2-Dichloroethene ND 0.0011 EPA 8260D 11-24-21 11-24-21 2-Butanone 0.013 0.0055 EPA 8260D 11-24-21 11-24-21 Y Bromochloromethane ND 0.0011 EPA 8260D 11-24-21 11-24-21 Y Chloroform ND 0.0011 EPA 8260D 11-24-21 11-24-21 Y Chloroform ND 0.0011 EPA 8260D 11-24-21 11-24-21 Y Chloroform ND 0.0011 EPA 8260D 11-24-21 11-24-21 Y Carbon Tetrachloride ND 0.0011 EPA 8260D 11-24-21 <	1,1-Dichloroethane	ND	0.0011	EPA 8260D	11-24-21	11-24-21	
(cis) 1,2-Dichloroethene ND 0.0011 EPA 8260D 11-24-21 11-24-21 2-Butanone 0.013 0.0055 EPA 8260D 11-24-21 11-24-21 Y Bromochloromethane ND 0.0011 EPA 8260D 11-24-21 11-24-21 Y Chloroform ND 0.0011 EPA 8260D 11-24-21 11-24-21 Y Carbon Tetrachloride ND 0.0011 EPA 8260D 11-24-21 11-24-21 Y Carbon Tetrachloride ND 0.0011 EPA 8260D 11-24-21 11-24-21 Y Carbon Tetrachloride ND 0.0011 EPA 8260D 11-24-21 11-24-21 Y Carbon Tetrachloride ND 0.0011 EPA 8260D 11-24-21 11-24-21 Y Carbon Tetrachloride ND 0.0011 EPA 8260D 11-24-21 11-24-21 11-24-21 11-24-21 11-24-21 11-24-21 11-24-21 11-24-21 11-24-21 11-24-21 11-24-21 11-24-21 11-24-21 11-24-21	Vinyl Acetate	ND	0.0055	EPA 8260D	11-24-21	11-24-21	
2-Butanone 0.013 0.0055 EPA 8260D 11-24-21 11-24-21 Y Bromochloromethane ND 0.0011 EPA 8260D 11-24-21 11-24-21 11-24-21 Chloroform ND 0.0011 EPA 8260D 11-24-21 11-24-21 11-24-21 1,1,1-Trichloroethane ND 0.0011 EPA 8260D 11-24-21 11-24-21 11-24-21 Carbon Tetrachloride ND 0.0011 EPA 8260D 11-24-21 11-24-21 11-24-21 1,1-Dichloropropene ND 0.0011 EPA 8260D 11-24-21 11-24-21 Benzene ND 0.0011 EPA 8260D 11-24-21 11-24-21 1,2-Dichloroethane ND 0.0011 EPA 8260D 11-24-21 11-24-21 1,2-Dichloropropane ND 0.0011 EPA 8260D 11-24-21 11-24-21 1,2-Dichloromethane ND 0.0011 EPA 8260D 11-24-21 11-24-21 Bromodichloromethane ND 0.0011 EPA 8260D 11-24-21 1	2,2-Dichloropropane	ND	0.0011	EPA 8260D	11-24-21	11-24-21	
Bromochloromethane ND 0.0011 EPA 8260D 11-24-21 11-24-21 Chloroform ND 0.0011 EPA 8260D 11-24-21 11-24-21 1,1,1-Trichloroethane ND 0.0011 EPA 8260D 11-24-21 11-24-21 Carbon Tetrachloride ND 0.0011 EPA 8260D 11-24-21 11-24-21 1,1-Dichloropropene ND 0.0011 EPA 8260D 11-24-21 11-24-21 Benzene ND 0.0011 EPA 8260D 11-24-21 11-24-21 1,2-Dichloroethane ND 0.0011 EPA 8260D 11-24-21 11-24-21 Trichloroethene ND 0.0011 EPA 8260D 11-24-21 11-24-21 1,2-Dichloropropane ND 0.0011 EPA 8260D 11-24-21 11-24-21 1,2-Dichloromethane ND 0.0011 EPA 8260D 11-24-21 11-24-21 Bromodichloromethane ND 0.0011 EPA 8260D 11-24-21 11-24-21 2-Chloroethyl Vinyl Ether ND 0.0055	(cis) 1,2-Dichloroethene	ND	0.0011	EPA 8260D	11-24-21	11-24-21	
Chloroform ND 0.0011 EPA 8260D 11-24-21 11-24-21 1,1,1-Trichloroethane ND 0.0011 EPA 8260D 11-24-21 11-24-21 Carbon Tetrachloride ND 0.0011 EPA 8260D 11-24-21 11-24-21 1,1-Dichloropropene ND 0.0011 EPA 8260D 11-24-21 11-24-21 Benzene ND 0.0011 EPA 8260D 11-24-21 11-24-21 1,2-Dichloroethane ND 0.0011 EPA 8260D 11-24-21 11-24-21 Trichloroethene ND 0.0011 EPA 8260D 11-24-21 11-24-21 1,2-Dichloropropane ND 0.0011 EPA 8260D 11-24-21 11-24-21 1,2-Dichloropropane ND 0.0011 EPA 8260D 11-24-21 11-24-21 Dibromomethane ND 0.0011 EPA 8260D 11-24-21 11-24-21 2-Chloroethyl Vinyl Ether ND 0.0055 EPA 8260D 11-24-21 11-24-21 (cis) 1,3-Dichloropropene ND 0.0055	2-Butanone	0.013	0.0055	EPA 8260D	11-24-21	11-24-21	Υ
1,1,1-Trichloroethane ND 0.0011 EPA 8260D 11-24-21 11-24-21 Carbon Tetrachloride ND 0.0011 EPA 8260D 11-24-21 11-24-21 1,1-Dichloropropene ND 0.0011 EPA 8260D 11-24-21 11-24-21 Benzene ND 0.0011 EPA 8260D 11-24-21 11-24-21 1,2-Dichloroethane ND 0.0011 EPA 8260D 11-24-21 11-24-21 Trichloroethene ND 0.0011 EPA 8260D 11-24-21 11-24-21 1,2-Dichloropropane ND 0.0011 EPA 8260D 11-24-21 11-24-21 1,2-Dichloropropane ND 0.0011 EPA 8260D 11-24-21 11-24-21 Dibromomethane ND 0.0011 EPA 8260D 11-24-21 11-24-21 2-Chloroethyl Vinyl Ether ND 0.0055 EPA 8260D 11-24-21 11-24-21 (cis) 1,3-Dichloropropene ND 0.0055 EPA 8260D 11-24-21 11-24-21 Methyl Isobutyl Ketone ND 0	Bromochloromethane	ND	0.0011	EPA 8260D	11-24-21	11-24-21	
Carbon Tetrachloride ND 0.0011 EPA 8260D 11-24-21 11-24-21 1,1-Dichloropropene ND 0.0011 EPA 8260D 11-24-21 11-24-21 Benzene ND 0.0011 EPA 8260D 11-24-21 11-24-21 1,2-Dichloroethane ND 0.0011 EPA 8260D 11-24-21 11-24-21 Trichloroethene ND 0.0011 EPA 8260D 11-24-21 11-24-21 1,2-Dichloropropane ND 0.0011 EPA 8260D 11-24-21 11-24-21 Dibromomethane ND 0.0011 EPA 8260D 11-24-21 11-24-21 Bromodichloromethane ND 0.0011 EPA 8260D 11-24-21 11-24-21 2-Chloroethyl Vinyl Ether ND 0.0055 EPA 8260D 11-24-21 11-24-21 (cis) 1,3-Dichloropropene ND 0.0011 EPA 8260D 11-24-21 11-24-21 Methyl Isobutyl Ketone ND 0.0055 EPA 8260D 11-24-21 11-24-21 Toluene ND 0.0055	Chloroform	ND	0.0011	EPA 8260D	11-24-21	11-24-21	
1,1-Dichloropropene ND 0.0011 EPA 8260D 11-24-21 11-24-21 Benzene ND 0.0011 EPA 8260D 11-24-21 11-24-21 1,2-Dichloroethane ND 0.0011 EPA 8260D 11-24-21 11-24-21 Trichloroethene ND 0.0011 EPA 8260D 11-24-21 11-24-21 1,2-Dichloropropane ND 0.0011 EPA 8260D 11-24-21 11-24-21 Dibromomethane ND 0.0011 EPA 8260D 11-24-21 11-24-21 Bromodichloromethane ND 0.0011 EPA 8260D 11-24-21 11-24-21 2-Chloroethyl Vinyl Ether ND 0.0055 EPA 8260D 11-24-21 11-24-21 (cis) 1,3-Dichloropropene ND 0.0011 EPA 8260D 11-24-21 11-24-21 Methyl Isobutyl Ketone ND 0.0055 EPA 8260D 11-24-21 11-24-21 Toluene ND 0.0055 EPA 8260D 11-24-21 11-24-21	1,1,1-Trichloroethane	ND	0.0011	EPA 8260D	11-24-21	11-24-21	
Benzene ND 0.0011 EPA 8260D 11-24-21 11-24-21 1,2-Dichloroethane ND 0.0011 EPA 8260D 11-24-21 11-24-21 Trichloroethene ND 0.0011 EPA 8260D 11-24-21 11-24-21 1,2-Dichloropropane ND 0.0011 EPA 8260D 11-24-21 11-24-21 Dibromomethane ND 0.0011 EPA 8260D 11-24-21 11-24-21 Bromodichloromethane ND 0.0011 EPA 8260D 11-24-21 11-24-21 2-Chloroethyl Vinyl Ether ND 0.0055 EPA 8260D 11-24-21 11-24-21 (cis) 1,3-Dichloropropene ND 0.0011 EPA 8260D 11-24-21 11-24-21 Methyl Isobutyl Ketone ND 0.0055 EPA 8260D 11-24-21 11-24-21 Toluene ND 0.0055 EPA 8260D 11-24-21 11-24-21	Carbon Tetrachloride	ND	0.0011	EPA 8260D	11-24-21	11-24-21	
1,2-Dichloroethane ND 0.0011 EPA 8260D 11-24-21 11-24-21 Trichloroethene ND 0.0011 EPA 8260D 11-24-21 11-24-21 1,2-Dichloropropane ND 0.0011 EPA 8260D 11-24-21 11-24-21 Dibromomethane ND 0.0011 EPA 8260D 11-24-21 11-24-21 Bromodichloromethane ND 0.0011 EPA 8260D 11-24-21 11-24-21 2-Chloroethyl Vinyl Ether ND 0.0055 EPA 8260D 11-24-21 11-24-21 (cis) 1,3-Dichloropropene ND 0.0011 EPA 8260D 11-24-21 11-24-21 Methyl Isobutyl Ketone ND 0.0055 EPA 8260D 11-24-21 11-24-21 Toluene ND 0.0055 EPA 8260D 11-24-21 11-24-21	1,1-Dichloropropene	ND	0.0011	EPA 8260D	11-24-21	11-24-21	
Trichloroethene ND 0.0011 EPA 8260D 11-24-21 11-24-21 1,2-Dichloropropane ND 0.0011 EPA 8260D 11-24-21 11-24-21 Dibromomethane ND 0.0011 EPA 8260D 11-24-21 11-24-21 Bromodichloromethane ND 0.0011 EPA 8260D 11-24-21 11-24-21 2-Chloroethyl Vinyl Ether ND 0.0055 EPA 8260D 11-24-21 11-24-21 (cis) 1,3-Dichloropropene ND 0.0011 EPA 8260D 11-24-21 11-24-21 Methyl Isobutyl Ketone ND 0.0055 EPA 8260D 11-24-21 11-24-21 Toluene ND 0.0055 EPA 8260D 11-24-21 11-24-21	Benzene	ND	0.0011	EPA 8260D	11-24-21	11-24-21	
1,2-Dichloropropane ND 0.0011 EPA 8260D 11-24-21 11-24-21 Dibromomethane ND 0.0011 EPA 8260D 11-24-21 11-24-21 Bromodichloromethane ND 0.0011 EPA 8260D 11-24-21 11-24-21 2-Chloroethyl Vinyl Ether ND 0.0055 EPA 8260D 11-24-21 11-24-21 (cis) 1,3-Dichloropropene ND 0.0011 EPA 8260D 11-24-21 11-24-21 Methyl Isobutyl Ketone ND 0.0055 EPA 8260D 11-24-21 11-24-21 Toluene ND 0.0055 EPA 8260D 11-24-21 11-24-21	1,2-Dichloroethane	ND	0.0011	EPA 8260D	11-24-21	11-24-21	
Dibromomethane ND 0.0011 EPA 8260D 11-24-21 11-24-21 Bromodichloromethane ND 0.0011 EPA 8260D 11-24-21 11-24-21 2-Chloroethyl Vinyl Ether ND 0.0055 EPA 8260D 11-24-21 11-24-21 (cis) 1,3-Dichloropropene ND 0.0011 EPA 8260D 11-24-21 11-24-21 Methyl Isobutyl Ketone ND 0.0055 EPA 8260D 11-24-21 11-24-21 Toluene ND 0.0055 EPA 8260D 11-24-21 11-24-21	Trichloroethene	ND	0.0011	EPA 8260D	11-24-21	11-24-21	
Bromodichloromethane ND 0.0011 EPA 8260D 11-24-21 11-24-21 2-Chloroethyl Vinyl Ether ND 0.0055 EPA 8260D 11-24-21 11-24-21 (cis) 1,3-Dichloropropene ND 0.0011 EPA 8260D 11-24-21 11-24-21 Methyl Isobutyl Ketone ND 0.0055 EPA 8260D 11-24-21 11-24-21 Toluene ND 0.0055 EPA 8260D 11-24-21 11-24-21	1,2-Dichloropropane	ND	0.0011	EPA 8260D	11-24-21	11-24-21	
2-Chloroethyl Vinyl Ether ND 0.0055 EPA 8260D 11-24-21 11-24-21 (cis) 1,3-Dichloropropene ND 0.0011 EPA 8260D 11-24-21 11-24-21 Methyl Isobutyl Ketone ND 0.0055 EPA 8260D 11-24-21 11-24-21 Toluene ND 0.0055 EPA 8260D 11-24-21 11-24-21	Dibromomethane	ND	0.0011	EPA 8260D	11-24-21	11-24-21	
(cis) 1,3-Dichloropropene ND 0.0011 EPA 8260D 11-24-21 11-24-21 Methyl Isobutyl Ketone ND 0.0055 EPA 8260D 11-24-21 11-24-21 Toluene ND 0.0055 EPA 8260D 11-24-21 11-24-21	Bromodichloromethane	ND	0.0011	EPA 8260D	11-24-21	11-24-21	
Methyl Isobutyl Ketone ND 0.0055 EPA 8260D 11-24-21 11-24-21 Toluene ND 0.0055 EPA 8260D 11-24-21 11-24-21	2-Chloroethyl Vinyl Ether	ND	0.0055	EPA 8260D	11-24-21	11-24-21	
Toluene ND 0.0055 EPA 8260D 11-24-21 11-24-21	(cis) 1,3-Dichloropropene	ND	0.0011	EPA 8260D	11-24-21	11-24-21	
	Methyl Isobutyl Ketone	ND	0.0055	EPA 8260D	11-24-21	11-24-21	
(trans) 1,3-Dichloropropene ND 0.0011 EPA 8260D 11-24-21 11-24-21	Toluene	ND	0.0055	EPA 8260D	11-24-21	11-24-21	
	(trans) 1,3-Dichloropropene	ND	0.0011	EPA 8260D	11-24-21	11-24-21	

Laboratory Reference: 2111-244 Project: 060172

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				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	CB-09-13-112321					
Laboratory ID:	11-244-02					
1,1,2-Trichloroethane	ND	0.0011	EPA 8260D	11-24-21	11-24-21	
Tetrachloroethene	ND	0.0011	EPA 8260D	11-24-21	11-24-21	
1,3-Dichloropropane	ND	0.0011	EPA 8260D	11-24-21	11-24-21	
2-Hexanone	ND	0.0055	EPA 8260D	11-24-21	11-24-21	
Dibromochloromethane	ND	0.0011	EPA 8260D	11-24-21	11-24-21	
1,2-Dibromoethane	ND	0.0011	EPA 8260D	11-24-21	11-24-21	
Chlorobenzene	ND	0.0011	EPA 8260D	11-24-21	11-24-21	
1,1,1,2-Tetrachloroethane	ND	0.0011	EPA 8260D	11-24-21	11-24-21	
Ethylbenzene	ND	0.0011	EPA 8260D	11-24-21	11-24-21	
m,p-Xylene	ND	0.0022	EPA 8260D	11-24-21	11-24-21	
o-Xylene	ND	0.0011	EPA 8260D	11-24-21	11-24-21	
Styrene	ND	0.0011	EPA 8260D	11-24-21	11-24-21	
Bromoform	ND	0.0055	EPA 8260D	11-24-21	11-24-21	
Isopropylbenzene	ND	0.0011	EPA 8260D	11-24-21	11-24-21	
Bromobenzene	ND	0.0011	EPA 8260D	11-24-21	11-24-21	
1,1,2,2-Tetrachloroethane	ND	0.0011	EPA 8260D	11-24-21	11-24-21	
1,2,3-Trichloropropane	ND	0.0011	EPA 8260D	11-24-21	11-24-21	
n-Propylbenzene	ND	0.0011	EPA 8260D	11-24-21	11-24-21	
2-Chlorotoluene	ND	0.0011	EPA 8260D	11-24-21	11-24-21	
4-Chlorotoluene	ND	0.0011	EPA 8260D	11-24-21	11-24-21	
1,3,5-Trimethylbenzene	ND	0.0011	EPA 8260D	11-24-21	11-24-21	
tert-Butylbenzene	ND	0.0011	EPA 8260D	11-24-21	11-24-21	
1,2,4-Trimethylbenzene	ND	0.0011	EPA 8260D	11-24-21	11-24-21	
sec-Butylbenzene	ND	0.0011	EPA 8260D	11-24-21	11-24-21	
1,3-Dichlorobenzene	ND	0.0011	EPA 8260D	11-24-21	11-24-21	
p-Isopropyltoluene	ND	0.0011	EPA 8260D	11-24-21	11-24-21	
1,4-Dichlorobenzene	ND	0.0011	EPA 8260D	11-24-21	11-24-21	
1,2-Dichlorobenzene	ND	0.0011	EPA 8260D	11-24-21	11-24-21	
n-Butylbenzene	ND	0.0011	EPA 8260D	11-24-21	11-24-21	
1,2-Dibromo-3-chloropropan	e ND	0.0055	EPA 8260D	11-24-21	11-24-21	
1,2,4-Trichlorobenzene	ND	0.0011	EPA 8260D	11-24-21	11-24-21	
Hexachlorobutadiene	ND	0.0055	EPA 8260D	11-24-21	11-24-21	
Naphthalene	ND	0.0055	EPA 8260D	11-24-21	11-24-21	
1,2,3-Trichlorobenzene	ND	0.0011	EPA 8260D	11-24-21	11-24-21	
Surrogate:	Percent Recovery	Control Limits				
Dibromofluoromethane	95	74-131				
Toluene-d8	103	78-128				
4-Bromofluorobenzene	99	71-130				

Laboratory Reference: 2111-244

Project: 060172

VOLATILE ORGANICS EPA 8260D

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Matrix: Soil Units: mg/kg

				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	CB-09-18-112321					
Laboratory ID:	11-244-03					
Dichlorodifluoromethane	ND	0.0012	EPA 8260D	11-24-21	11-24-21	
Chloromethane	ND	0.0058	EPA 8260D	11-24-21	11-24-21	
Vinyl Chloride	ND	0.0012	EPA 8260D	11-24-21	11-24-21	
Bromomethane	ND	0.0058	EPA 8260D	11-24-21	11-24-21	
Chloroethane	ND	0.0058	EPA 8260D	11-24-21	11-24-21	
Trichlorofluoromethane	ND	0.0012	EPA 8260D	11-24-21	11-24-21	
1,1-Dichloroethene	ND	0.0012	EPA 8260D	11-24-21	11-24-21	
Acetone	0.18	0.012	EPA 8260D	11-24-21	11-24-21	Υ
lodomethane	ND	0.0058	EPA 8260D	11-24-21	11-24-21	
Carbon Disulfide	0.0016	0.0012	EPA 8260D	11-24-21	11-24-21	
Methylene Chloride	ND	0.0058	EPA 8260D	11-24-21	11-24-21	
(trans) 1,2-Dichloroethene	ND	0.0012	EPA 8260D	11-24-21	11-24-21	
Methyl t-Butyl Ether	ND	0.0012	EPA 8260D	11-24-21	11-24-21	
1,1-Dichloroethane	ND	0.0012	EPA 8260D	11-24-21	11-24-21	
Vinyl Acetate	ND	0.0058	EPA 8260D	11-24-21	11-24-21	
2,2-Dichloropropane	ND	0.0012	EPA 8260D	11-24-21	11-24-21	
(cis) 1,2-Dichloroethene	ND	0.0012	EPA 8260D	11-24-21	11-24-21	
2-Butanone	0.032	0.0058	EPA 8260D	11-24-21	11-24-21	Υ
Bromochloromethane	ND	0.0012	EPA 8260D	11-24-21	11-24-21	
Chloroform	ND	0.0012	EPA 8260D	11-24-21	11-24-21	
1,1,1-Trichloroethane	ND	0.0012	EPA 8260D	11-24-21	11-24-21	
Carbon Tetrachloride	ND	0.0012	EPA 8260D	11-24-21	11-24-21	
1,1-Dichloropropene	ND	0.0012	EPA 8260D	11-24-21	11-24-21	
Benzene	ND	0.0012	EPA 8260D	11-24-21	11-24-21	
1,2-Dichloroethane	ND	0.0012	EPA 8260D	11-24-21	11-24-21	
Trichloroethene	ND	0.0012	EPA 8260D	11-24-21	11-24-21	
1,2-Dichloropropane	ND	0.0012	EPA 8260D	11-24-21	11-24-21	
Dibromomethane	ND	0.0012	EPA 8260D	11-24-21	11-24-21	
Bromodichloromethane	ND	0.0012	EPA 8260D	11-24-21	11-24-21	
2-Chloroethyl Vinyl Ether	ND	0.0058	EPA 8260D	11-24-21	11-24-21	
(cis) 1,3-Dichloropropene	ND	0.0012	EPA 8260D	11-24-21	11-24-21	
Methyl Isobutyl Ketone	ND	0.0058	EPA 8260D	11-24-21	11-24-21	
Toluene	ND	0.0058	EPA 8260D	11-24-21	11-24-21	
(trans) 1,3-Dichloropropene	. ND	0.0012	EPA 8260D	11-24-21	11-24-21	

Laboratory Reference: 2111-244 Project: 060172

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				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	CB-09-18-112321					
Laboratory ID:	11-244-03					
1,1,2-Trichloroethane	ND	0.0012	EPA 8260D	11-24-21	11-24-21	
Tetrachloroethene	ND	0.0012	EPA 8260D	11-24-21	11-24-21	
1,3-Dichloropropane	ND	0.0012	EPA 8260D	11-24-21	11-24-21	
2-Hexanone	ND	0.0058	EPA 8260D	11-24-21	11-24-21	
Dibromochloromethane	ND	0.0012	EPA 8260D	11-24-21	11-24-21	
1,2-Dibromoethane	ND	0.0012	EPA 8260D	11-24-21	11-24-21	
Chlorobenzene	ND	0.0012	EPA 8260D	11-24-21	11-24-21	
1,1,1,2-Tetrachloroethane	ND	0.0012	EPA 8260D	11-24-21	11-24-21	
Ethylbenzene	ND	0.0012	EPA 8260D	11-24-21	11-24-21	
m,p-Xylene	ND	0.0023	EPA 8260D	11-24-21	11-24-21	
o-Xylene	ND	0.0012	EPA 8260D	11-24-21	11-24-21	
Styrene	ND	0.0012	EPA 8260D	11-24-21	11-24-21	
Bromoform	ND	0.0058	EPA 8260D	11-24-21	11-24-21	
Isopropylbenzene	ND	0.0012	EPA 8260D	11-24-21	11-24-21	
Bromobenzene	ND	0.0012	EPA 8260D	11-24-21	11-24-21	
1,1,2,2-Tetrachloroethane	ND	0.0012	EPA 8260D	11-24-21	11-24-21	
1,2,3-Trichloropropane	ND	0.0012	EPA 8260D	11-24-21	11-24-21	
n-Propylbenzene	ND	0.0012	EPA 8260D	11-24-21	11-24-21	
2-Chlorotoluene	ND	0.0012	EPA 8260D	11-24-21	11-24-21	
4-Chlorotoluene	ND	0.0012	EPA 8260D	11-24-21	11-24-21	
1,3,5-Trimethylbenzene	ND	0.0012	EPA 8260D	11-24-21	11-24-21	
tert-Butylbenzene	ND	0.0012	EPA 8260D	11-24-21	11-24-21	
1,2,4-Trimethylbenzene	0.0017	0.0012	EPA 8260D	11-24-21	11-24-21	
sec-Butylbenzene	ND	0.0012	EPA 8260D	11-24-21	11-24-21	
1,3-Dichlorobenzene	ND	0.0012	EPA 8260D	11-24-21	11-24-21	
p-Isopropyltoluene	ND	0.0012	EPA 8260D	11-24-21	11-24-21	
1,4-Dichlorobenzene	ND	0.0012	EPA 8260D	11-24-21	11-24-21	
1,2-Dichlorobenzene	ND	0.0012	EPA 8260D	11-24-21	11-24-21	
n-Butylbenzene	ND	0.0012	EPA 8260D	11-24-21	11-24-21	
1,2-Dibromo-3-chloropropane	e ND	0.0058	EPA 8260D	11-24-21	11-24-21	
1,2,4-Trichlorobenzene	ND	0.0012	EPA 8260D	11-24-21	11-24-21	
Hexachlorobutadiene	ND	0.0058	EPA 8260D	11-24-21	11-24-21	
Naphthalene	ND	0.0058	EPA 8260D	11-24-21	11-24-21	
1,2,3-Trichlorobenzene	ND	0.0012	EPA 8260D	11-24-21	11-24-21	
Surrogate:	Percent Recovery	Control Limits				
Dibromofluoromethane	98	74-131				
Toluene-d8	104	78-128				

4-Bromofluorobenzene

71-130

99

Laboratory Reference: 2111-244

Project: 060172

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Matrix: Soil Units: mg/kg

				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	CB-09-22-112321					
Laboratory ID:	11-244-04					
Dichlorodifluoromethane	ND	0.0013	EPA 8260D	11-24-21	11-24-21	
Chloromethane	ND	0.0063	EPA 8260D	11-24-21	11-24-21	
Vinyl Chloride	ND	0.0013	EPA 8260D	11-24-21	11-24-21	
Bromomethane	ND	0.0063	EPA 8260D	11-24-21	11-24-21	
Chloroethane	ND	0.0063	EPA 8260D	11-24-21	11-24-21	
Trichlorofluoromethane	ND	0.0013	EPA 8260D	11-24-21	11-24-21	
1,1-Dichloroethene	ND	0.0013	EPA 8260D	11-24-21	11-24-21	
Acetone	0.27	0.013	EPA 8260D	11-24-21	11-24-21	Υ
lodomethane	ND	0.0063	EPA 8260D	11-24-21	11-24-21	
Carbon Disulfide	0.0018	0.0013	EPA 8260D	11-24-21	11-24-21	
Methylene Chloride	ND	0.0063	EPA 8260D	11-24-21	11-24-21	
(trans) 1,2-Dichloroethene	ND	0.0013	EPA 8260D	11-24-21	11-24-21	
Methyl t-Butyl Ether	ND	0.0013	EPA 8260D	11-24-21	11-24-21	
1,1-Dichloroethane	ND	0.0013	EPA 8260D	11-24-21	11-24-21	
Vinyl Acetate	ND	0.0063	EPA 8260D	11-24-21	11-24-21	
2,2-Dichloropropane	ND	0.0013	EPA 8260D	11-24-21	11-24-21	
(cis) 1,2-Dichloroethene	ND	0.0013	EPA 8260D	11-24-21	11-24-21	
2-Butanone	0.062	0.0063	EPA 8260D	11-24-21	11-24-21	Υ
Bromochloromethane	ND	0.0013	EPA 8260D	11-24-21	11-24-21	
Chloroform	ND	0.0013	EPA 8260D	11-24-21	11-24-21	
1,1,1-Trichloroethane	ND	0.0013	EPA 8260D	11-24-21	11-24-21	
Carbon Tetrachloride	ND	0.0013	EPA 8260D	11-24-21	11-24-21	
1,1-Dichloropropene	ND	0.0013	EPA 8260D	11-24-21	11-24-21	
Benzene	ND	0.0013	EPA 8260D	11-24-21	11-24-21	
1,2-Dichloroethane	ND	0.0013	EPA 8260D	11-24-21	11-24-21	
Trichloroethene	ND	0.0013	EPA 8260D	11-24-21	11-24-21	
1,2-Dichloropropane	ND	0.0013	EPA 8260D	11-24-21	11-24-21	
Dibromomethane	ND	0.0013	EPA 8260D	11-24-21	11-24-21	
Bromodichloromethane	ND	0.0013	EPA 8260D	11-24-21	11-24-21	
2-Chloroethyl Vinyl Ether	ND	0.0063	EPA 8260D	11-24-21	11-24-21	
(cis) 1,3-Dichloropropene	ND	0.0013	EPA 8260D	11-24-21	11-24-21	
Methyl Isobutyl Ketone	ND	0.0063	EPA 8260D	11-24-21	11-24-21	
Toluene	ND	0.0063	EPA 8260D	11-24-21	11-24-21	
(trans) 1,3-Dichloropropene	ND	0.0013	EPA 8260D	11-24-21	11-24-21	

Laboratory Reference: 2111-244 Project: 060172

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				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	CB-09-22-112321					
Laboratory ID:	11-244-04					
1,1,2-Trichloroethane	ND	0.0013	EPA 8260D	11-24-21	11-24-21	
Tetrachloroethene	ND	0.0013	EPA 8260D	11-24-21	11-24-21	
1,3-Dichloropropane	ND	0.0013	EPA 8260D	11-24-21	11-24-21	
2-Hexanone	ND	0.0063	EPA 8260D	11-24-21	11-24-21	
Dibromochloromethane	ND	0.0013	EPA 8260D	11-24-21	11-24-21	
1,2-Dibromoethane	ND	0.0013	EPA 8260D	11-24-21	11-24-21	
Chlorobenzene	ND	0.0013	EPA 8260D	11-24-21	11-24-21	
1,1,1,2-Tetrachloroethane	ND	0.0013	EPA 8260D	11-24-21	11-24-21	
Ethylbenzene	ND	0.0013	EPA 8260D	11-24-21	11-24-21	
m,p-Xylene	ND	0.0025	EPA 8260D	11-24-21	11-24-21	
o-Xylene	ND	0.0013	EPA 8260D	11-24-21	11-24-21	
Styrene	ND	0.0013	EPA 8260D	11-24-21	11-24-21	
Bromoform	ND	0.0063	EPA 8260D	11-24-21	11-24-21	
Isopropylbenzene	ND	0.0013	EPA 8260D	11-24-21	11-24-21	
Bromobenzene	ND	0.0013	EPA 8260D	11-24-21	11-24-21	
1,1,2,2-Tetrachloroethane	ND	0.0013	EPA 8260D	11-24-21	11-24-21	
1,2,3-Trichloropropane	ND	0.0013	EPA 8260D	11-24-21	11-24-21	
n-Propylbenzene	ND	0.0013	EPA 8260D	11-24-21	11-24-21	
2-Chlorotoluene	ND	0.0013	EPA 8260D	11-24-21	11-24-21	
4-Chlorotoluene	ND	0.0013	EPA 8260D	11-24-21	11-24-21	
1,3,5-Trimethylbenzene	ND	0.0013	EPA 8260D	11-24-21	11-24-21	
tert-Butylbenzene	ND	0.0013	EPA 8260D	11-24-21	11-24-21	
1,2,4-Trimethylbenzene	ND	0.0013	EPA 8260D	11-24-21	11-24-21	
sec-Butylbenzene	ND	0.0013	EPA 8260D	11-24-21	11-24-21	
1,3-Dichlorobenzene	ND	0.0013	EPA 8260D	11-24-21	11-24-21	
p-Isopropyltoluene	ND	0.0013	EPA 8260D	11-24-21	11-24-21	
1,4-Dichlorobenzene	ND	0.0013	EPA 8260D	11-24-21	11-24-21	
1,2-Dichlorobenzene	ND	0.0013	EPA 8260D	11-24-21	11-24-21	
n-Butylbenzene	ND	0.0013	EPA 8260D	11-24-21	11-24-21	
1,2-Dibromo-3-chloropropane	e ND	0.0063	EPA 8260D	11-24-21	11-24-21	
1,2,4-Trichlorobenzene	ND	0.0013	EPA 8260D	11-24-21	11-24-21	
Hexachlorobutadiene	ND	0.0063	EPA 8260D	11-24-21	11-24-21	
Naphthalene	ND	0.0063	EPA 8260D	11-24-21	11-24-21	
1,2,3-Trichlorobenzene	ND	0.0013	EPA 8260D	11-24-21	11-24-21	
Surrogate:	Percent Recovery	Control Limits				
Dibromofluoromethane	97	74-131				
Toluene-d8	101	78-128				
4-Bromofluorobenzene	99	71-130				

Laboratory Reference: 2111-244 Project: 060172

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Matrix: Soil Units: mg/kg

				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	CB-11-5-112321					
Laboratory ID:	11-244-05					
Dichlorodifluoromethane	ND	0.00095	EPA 8260D	11-24-21	11-24-21	
Chloromethane	ND	0.0048	EPA 8260D	11-24-21	11-24-21	
Vinyl Chloride	ND	0.00095	EPA 8260D	11-24-21	11-24-21	
Bromomethane	ND	0.0048	EPA 8260D	11-24-21	11-24-21	
Chloroethane	ND	0.0048	EPA 8260D	11-24-21	11-24-21	
Trichlorofluoromethane	ND	0.00095	EPA 8260D	11-24-21	11-24-21	
1,1-Dichloroethene	ND	0.00095	EPA 8260D	11-24-21	11-24-21	
Acetone	1.1	0.0095	EPA 8260D	11-24-21	11-24-21	Y,E
lodomethane	ND	0.0048	EPA 8260D	11-24-21	11-24-21	
Carbon Disulfide	ND	0.00095	EPA 8260D	11-24-21	11-24-21	
Methylene Chloride	ND	0.0048	EPA 8260D	11-24-21	11-24-21	
(trans) 1,2-Dichloroethene	ND	0.00095	EPA 8260D	11-24-21	11-24-21	
Methyl t-Butyl Ether	ND	0.00095	EPA 8260D	11-24-21	11-24-21	
1,1-Dichloroethane	ND	0.00095	EPA 8260D	11-24-21	11-24-21	
Vinyl Acetate	ND	0.0048	EPA 8260D	11-24-21	11-24-21	
2,2-Dichloropropane	ND	0.00095	EPA 8260D	11-24-21	11-24-21	
(cis) 1,2-Dichloroethene	ND	0.00095	EPA 8260D	11-24-21	11-24-21	
2-Butanone	0.12	0.0048	EPA 8260D	11-24-21	11-24-21	Υ
Bromochloromethane	ND	0.00095	EPA 8260D	11-24-21	11-24-21	
Chloroform	ND	0.00095	EPA 8260D	11-24-21	11-24-21	
1,1,1-Trichloroethane	ND	0.00095	EPA 8260D	11-24-21	11-24-21	
Carbon Tetrachloride	ND	0.00095	EPA 8260D	11-24-21	11-24-21	
1,1-Dichloropropene	ND	0.00095	EPA 8260D	11-24-21	11-24-21	
Benzene	ND	0.00095	EPA 8260D	11-24-21	11-24-21	
1,2-Dichloroethane	ND	0.00095	EPA 8260D	11-24-21	11-24-21	
Trichloroethene	ND	0.00095	EPA 8260D	11-24-21	11-24-21	
1,2-Dichloropropane	ND	0.00095	EPA 8260D	11-24-21	11-24-21	
Dibromomethane	ND	0.00095	EPA 8260D	11-24-21	11-24-21	
Bromodichloromethane	ND	0.00095	EPA 8260D	11-24-21	11-24-21	
2-Chloroethyl Vinyl Ether	ND	0.0048	EPA 8260D	11-24-21	11-24-21	
(cis) 1,3-Dichloropropene	ND	0.00095	EPA 8260D	11-24-21	11-24-21	
Methyl Isobutyl Ketone	ND	0.0048	EPA 8260D	11-24-21	11-24-21	
Toluene	ND	0.0048	EPA 8260D	11-24-21	11-24-21	
(trans) 1,3-Dichloropropene	ND	0.00095	EPA 8260D	11-24-21	11-24-21	

Laboratory Reference: 2111-244 Project: 060172

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				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	CB-11-5-112321					
Laboratory ID:	11-244-05					
1,1,2-Trichloroethane	ND	0.00095	EPA 8260D	11-24-21	11-24-21	
Tetrachloroethene	ND	0.00095	EPA 8260D	11-24-21	11-24-21	
1,3-Dichloropropane	ND	0.00095	EPA 8260D	11-24-21	11-24-21	
2-Hexanone	ND	0.0048	EPA 8260D	11-24-21	11-24-21	
Dibromochloromethane	ND	0.00095	EPA 8260D	11-24-21	11-24-21	
1,2-Dibromoethane	ND	0.00095	EPA 8260D	11-24-21	11-24-21	
Chlorobenzene	ND	0.00095	EPA 8260D	11-24-21	11-24-21	
1,1,1,2-Tetrachloroethane	ND	0.00095	EPA 8260D	11-24-21	11-24-21	
Ethylbenzene	ND	0.00095	EPA 8260D	11-24-21	11-24-21	
m,p-Xylene	ND	0.0019	EPA 8260D	11-24-21	11-24-21	
o-Xylene	ND	0.00095	EPA 8260D	11-24-21	11-24-21	
Styrene	ND	0.00095	EPA 8260D	11-24-21	11-24-21	
Bromoform	ND	0.0048	EPA 8260D	11-24-21	11-24-21	
Isopropylbenzene	ND	0.00095	EPA 8260D	11-24-21	11-24-21	
Bromobenzene	ND	0.00095	EPA 8260D	11-24-21	11-24-21	
1,1,2,2-Tetrachloroethane	ND	0.00095	EPA 8260D	11-24-21	11-24-21	
1,2,3-Trichloropropane	ND	0.00095	EPA 8260D	11-24-21	11-24-21	
n-Propylbenzene	ND	0.00095	EPA 8260D	11-24-21	11-24-21	
2-Chlorotoluene	ND	0.00095	EPA 8260D	11-24-21	11-24-21	
4-Chlorotoluene	ND	0.00095	EPA 8260D	11-24-21	11-24-21	
1,3,5-Trimethylbenzene	ND	0.00095	EPA 8260D	11-24-21	11-24-21	
tert-Butylbenzene	ND	0.00095	EPA 8260D	11-24-21	11-24-21	
1,2,4-Trimethylbenzene	ND	0.00095	EPA 8260D	11-24-21	11-24-21	
sec-Butylbenzene	ND	0.00095	EPA 8260D	11-24-21	11-24-21	
1,3-Dichlorobenzene	ND	0.00095	EPA 8260D	11-24-21	11-24-21	
p-Isopropyltoluene	ND	0.00095	EPA 8260D	11-24-21	11-24-21	
1,4-Dichlorobenzene	ND	0.00095	EPA 8260D	11-24-21	11-24-21	
1,2-Dichlorobenzene	ND	0.00095	EPA 8260D	11-24-21	11-24-21	
n-Butylbenzene	ND	0.00095	EPA 8260D	11-24-21	11-24-21	
1,2-Dibromo-3-chloropropane	e ND	0.0048	EPA 8260D	11-24-21	11-24-21	
1,2,4-Trichlorobenzene	ND	0.00095	EPA 8260D	11-24-21	11-24-21	
Hexachlorobutadiene	ND	0.0048	EPA 8260D	11-24-21	11-24-21	
Naphthalene	ND	0.0048	EPA 8260D	11-24-21	11-24-21	
1,2,3-Trichlorobenzene	ND	0.00095	EPA 8260D	11-24-21	11-24-21	
Surrogate:	Percent Recovery	Control Limits				
Dibromofluoromethane	99	74-131				
Toluene-d8	102	78-128				

4-Bromofluorobenzene

71-130

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Laboratory Reference: 2111-244 Project: 060172

VOLATILE ORGANICS EPA 8260D

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Matrix: Soil Units: mg/kg

				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	CB-11-8.5-112321					
Laboratory ID:	11-244-06					
Dichlorodifluoromethane	ND	0.0011	EPA 8260D	11-24-21	11-24-21	_
Chloromethane	ND	0.0055	EPA 8260D	11-24-21	11-24-21	
Vinyl Chloride	ND	0.0011	EPA 8260D	11-24-21	11-24-21	
Bromomethane	ND	0.0055	EPA 8260D	11-24-21	11-24-21	
Chloroethane	ND	0.0055	EPA 8260D	11-24-21	11-24-21	
Trichlorofluoromethane	ND	0.0011	EPA 8260D	11-24-21	11-24-21	
1,1-Dichloroethene	ND	0.0011	EPA 8260D	11-24-21	11-24-21	
Acetone	0.71	0.65	EPA 8260D	11-29-21	11-29-21	
Iodomethane	ND	0.0055	EPA 8260D	11-24-21	11-24-21	
Carbon Disulfide	0.0016	0.0011	EPA 8260D	11-24-21	11-24-21	
Methylene Chloride	ND	0.0055	EPA 8260D	11-24-21	11-24-21	
(trans) 1,2-Dichloroethene	ND	0.0011	EPA 8260D	11-24-21	11-24-21	
Methyl t-Butyl Ether	ND	0.0011	EPA 8260D	11-24-21	11-24-21	
1,1-Dichloroethane	ND	0.0011	EPA 8260D	11-24-21	11-24-21	
Vinyl Acetate	ND	0.0055	EPA 8260D	11-24-21	11-24-21	
2,2-Dichloropropane	ND	0.0011	EPA 8260D	11-24-21	11-24-21	
(cis) 1,2-Dichloroethene	ND	0.0011	EPA 8260D	11-24-21	11-24-21	
2-Butanone	0.13	0.0055	EPA 8260D	11-24-21	11-24-21	Υ
Bromochloromethane	ND	0.0011	EPA 8260D	11-24-21	11-24-21	
Chloroform	ND	0.0011	EPA 8260D	11-24-21	11-24-21	
1,1,1-Trichloroethane	ND	0.0011	EPA 8260D	11-24-21	11-24-21	
Carbon Tetrachloride	ND	0.0011	EPA 8260D	11-24-21	11-24-21	
1,1-Dichloropropene	ND	0.0011	EPA 8260D	11-24-21	11-24-21	
Benzene	ND	0.0011	EPA 8260D	11-24-21	11-24-21	
1,2-Dichloroethane	ND	0.0011	EPA 8260D	11-24-21	11-24-21	
Trichloroethene	ND	0.0011	EPA 8260D	11-24-21	11-24-21	
1,2-Dichloropropane	ND	0.0011	EPA 8260D	11-24-21	11-24-21	
Dibromomethane	ND	0.0011	EPA 8260D	11-24-21	11-24-21	
Bromodichloromethane	ND	0.0011	EPA 8260D	11-24-21	11-24-21	
2-Chloroethyl Vinyl Ether	ND	0.0055	EPA 8260D	11-24-21	11-24-21	
(cis) 1,3-Dichloropropene	ND	0.0011	EPA 8260D	11-24-21	11-24-21	
Methyl Isobutyl Ketone	ND	0.0055	EPA 8260D	11-24-21	11-24-21	
Toluene	ND	0.0055	EPA 8260D	11-24-21	11-24-21	
(trans) 1,3-Dichloropropene	e ND	0.0011	EPA 8260D	11-24-21	11-24-21	

Laboratory Reference: 2111-244

Project: 060172

VOLATILE ORGANICS EPA 8260D

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				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	CB-11-8.5-112321					
Laboratory ID:	11-244-06					
1,1,2-Trichloroethane	ND	0.0011	EPA 8260D	11-24-21	11-24-21	
Tetrachloroethene	ND	0.0011	EPA 8260D	11-24-21	11-24-21	
1,3-Dichloropropane	ND	0.0011	EPA 8260D	11-24-21	11-24-21	
2-Hexanone	ND	0.0055	EPA 8260D	11-24-21	11-24-21	
Dibromochloromethane	ND	0.0011	EPA 8260D	11-24-21	11-24-21	
1,2-Dibromoethane	ND	0.0011	EPA 8260D	11-24-21	11-24-21	
Chlorobenzene	ND	0.0011	EPA 8260D	11-24-21	11-24-21	
1,1,1,2-Tetrachloroethane	ND	0.0011	EPA 8260D	11-24-21	11-24-21	
Ethylbenzene	ND	0.0011	EPA 8260D	11-24-21	11-24-21	
m,p-Xylene	ND	0.0022	EPA 8260D	11-24-21	11-24-21	
o-Xylene	ND	0.0011	EPA 8260D	11-24-21	11-24-21	
Styrene	ND	0.0011	EPA 8260D	11-24-21	11-24-21	
Bromoform	ND	0.0055	EPA 8260D	11-24-21	11-24-21	
Isopropylbenzene	ND	0.0011	EPA 8260D	11-24-21	11-24-21	
Bromobenzene	ND	0.0011	EPA 8260D	11-24-21	11-24-21	
1,1,2,2-Tetrachloroethane	ND	0.0011	EPA 8260D	11-24-21	11-24-21	
1,2,3-Trichloropropane	ND	0.0011	EPA 8260D	11-24-21	11-24-21	
n-Propylbenzene	ND	0.0011	EPA 8260D	11-24-21	11-24-21	
2-Chlorotoluene	ND	0.0011	EPA 8260D	11-24-21	11-24-21	
4-Chlorotoluene	ND	0.0011	EPA 8260D	11-24-21	11-24-21	
1,3,5-Trimethylbenzene	ND	0.0011	EPA 8260D	11-24-21	11-24-21	
tert-Butylbenzene	ND	0.0011	EPA 8260D	11-24-21	11-24-21	
1,2,4-Trimethylbenzene	ND	0.0011	EPA 8260D	11-24-21	11-24-21	
sec-Butylbenzene	ND	0.0011	EPA 8260D	11-24-21	11-24-21	
1,3-Dichlorobenzene	ND	0.0011	EPA 8260D	11-24-21	11-24-21	
p-Isopropyltoluene	ND	0.0011	EPA 8260D	11-24-21	11-24-21	
1,4-Dichlorobenzene	ND	0.0011	EPA 8260D	11-24-21	11-24-21	
1,2-Dichlorobenzene	ND	0.0011	EPA 8260D	11-24-21	11-24-21	
n-Butylbenzene	ND	0.0011	EPA 8260D	11-24-21	11-24-21	
1,2-Dibromo-3-chloropropane		0.0055	EPA 8260D	11-24-21	11-24-21	
1,2,4-Trichlorobenzene	ND	0.0011	EPA 8260D	11-24-21	11-24-21	
Hexachlorobutadiene	ND	0.0055	EPA 8260D	11-24-21	11-24-21	
Naphthalene	ND	0.0055	EPA 8260D	11-24-21	11-24-21	
1,2,3-Trichlorobenzene	ND	0.0011	EPA 8260D	11-24-21	11-24-21	
Surrogate:	Percent Recovery	Control Limits				
Dibromofluoromethane	97	74-131				
Toluene-d8	103	78-128				
4-Bromofluorobenzene	99	71-130				

Laboratory Reference: 2111-244 Project: 060172

VOLATILE ORGANICS EPA 8260D

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Matrix: Soil Units: mg/kg

				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	CB-07-17-112321					
Laboratory ID:	11-244-07					
Dichlorodifluoromethane	ND	0.0011	EPA 8260D	11-24-21	11-24-21	
Chloromethane	ND	0.0056	EPA 8260D	11-24-21	11-24-21	
Vinyl Chloride	ND	0.0011	EPA 8260D	11-24-21	11-24-21	
Bromomethane	ND	0.0056	EPA 8260D	11-24-21	11-24-21	
Chloroethane	ND	0.0056	EPA 8260D	11-24-21	11-24-21	
Trichlorofluoromethane	ND	0.0011	EPA 8260D	11-24-21	11-24-21	
1,1-Dichloroethene	ND	0.0011	EPA 8260D	11-24-21	11-24-21	
Acetone	0.30	0.011	EPA 8260D	11-24-21	11-24-21	Υ
Iodomethane	ND	0.0056	EPA 8260D	11-24-21	11-24-21	
Carbon Disulfide	ND	0.0011	EPA 8260D	11-24-21	11-24-21	
Methylene Chloride	ND	0.0056	EPA 8260D	11-24-21	11-24-21	
(trans) 1,2-Dichloroethene	ND	0.0011	EPA 8260D	11-24-21	11-24-21	
Methyl t-Butyl Ether	ND	0.0011	EPA 8260D	11-24-21	11-24-21	
1,1-Dichloroethane	ND	0.0011	EPA 8260D	11-24-21	11-24-21	
Vinyl Acetate	ND	0.0056	EPA 8260D	11-24-21	11-24-21	
2,2-Dichloropropane	ND	0.0011	EPA 8260D	11-24-21	11-24-21	
(cis) 1,2-Dichloroethene	ND	0.0011	EPA 8260D	11-24-21	11-24-21	
2-Butanone	0.034	0.0056	EPA 8260D	11-24-21	11-24-21	Υ
Bromochloromethane	ND	0.0011	EPA 8260D	11-24-21	11-24-21	
Chloroform	ND	0.0011	EPA 8260D	11-24-21	11-24-21	
1,1,1-Trichloroethane	ND	0.0011	EPA 8260D	11-24-21	11-24-21	
Carbon Tetrachloride	ND	0.0011	EPA 8260D	11-24-21	11-24-21	
1,1-Dichloropropene	ND	0.0011	EPA 8260D	11-24-21	11-24-21	
Benzene	ND	0.0011	EPA 8260D	11-24-21	11-24-21	
1,2-Dichloroethane	ND	0.0011	EPA 8260D	11-24-21	11-24-21	
Trichloroethene	0.0011	0.0011	EPA 8260D	11-24-21	11-24-21	
1,2-Dichloropropane	ND	0.0011	EPA 8260D	11-24-21	11-24-21	
Dibromomethane	ND	0.0011	EPA 8260D	11-24-21	11-24-21	
Bromodichloromethane	ND	0.0011	EPA 8260D	11-24-21	11-24-21	
2-Chloroethyl Vinyl Ether	ND	0.0056	EPA 8260D	11-24-21	11-24-21	
(cis) 1,3-Dichloropropene	ND	0.0011	EPA 8260D	11-24-21	11-24-21	
Methyl Isobutyl Ketone	ND	0.0056	EPA 8260D	11-24-21	11-24-21	
Toluene	ND	0.0056	EPA 8260D	11-24-21	11-24-21	
(trans) 1,3-Dichloropropene	· ND	0.0011	EPA 8260D	11-24-21	11-24-21	

Laboratory Reference: 2111-244 Project: 060172

VOLATILE ORGANICS EPA 8260D

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				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	CB-07-17-112321					
Laboratory ID:	11-244-07					
1,1,2-Trichloroethane	ND	0.0011	EPA 8260D	11-24-21	11-24-21	
Tetrachloroethene	0.0066	0.0011	EPA 8260D	11-24-21	11-24-21	
1,3-Dichloropropane	ND	0.0011	EPA 8260D	11-24-21	11-24-21	
2-Hexanone	ND	0.0056	EPA 8260D	11-24-21	11-24-21	
Dibromochloromethane	ND	0.0011	EPA 8260D	11-24-21	11-24-21	
1,2-Dibromoethane	ND	0.0011	EPA 8260D	11-24-21	11-24-21	
Chlorobenzene	ND	0.0011	EPA 8260D	11-24-21	11-24-21	
1,1,1,2-Tetrachloroethane	ND	0.0011	EPA 8260D	11-24-21	11-24-21	
Ethylbenzene	ND	0.0011	EPA 8260D	11-24-21	11-24-21	
m,p-Xylene	ND	0.0023	EPA 8260D	11-24-21	11-24-21	
o-Xylene	ND	0.0011	EPA 8260D	11-24-21	11-24-21	
Styrene	ND	0.0011	EPA 8260D	11-24-21	11-24-21	
Bromoform	ND	0.0056	EPA 8260D	11-24-21	11-24-21	
Isopropylbenzene	ND	0.0011	EPA 8260D	11-24-21	11-24-21	
Bromobenzene	ND	0.0011	EPA 8260D	11-24-21	11-24-21	
1,1,2,2-Tetrachloroethane	ND	0.0011	EPA 8260D	11-24-21	11-24-21	
1,2,3-Trichloropropane	ND	0.0011	EPA 8260D	11-24-21	11-24-21	
n-Propylbenzene	ND	0.0011	EPA 8260D	11-24-21	11-24-21	
2-Chlorotoluene	ND	0.0011	EPA 8260D	11-24-21	11-24-21	
4-Chlorotoluene	ND	0.0011	EPA 8260D	11-24-21	11-24-21	
1,3,5-Trimethylbenzene	ND	0.0011	EPA 8260D	11-24-21	11-24-21	
tert-Butylbenzene	ND	0.0011	EPA 8260D	11-24-21	11-24-21	
1,2,4-Trimethylbenzene	ND	0.0011	EPA 8260D	11-24-21	11-24-21	
sec-Butylbenzene	ND	0.0011	EPA 8260D	11-24-21	11-24-21	
1,3-Dichlorobenzene	ND	0.0011	EPA 8260D	11-24-21	11-24-21	
p-Isopropyltoluene	ND	0.0011	EPA 8260D	11-24-21	11-24-21	
1,4-Dichlorobenzene	ND	0.0011	EPA 8260D	11-24-21	11-24-21	
1,2-Dichlorobenzene	ND	0.0011	EPA 8260D	11-24-21	11-24-21	
n-Butylbenzene	ND	0.0011	EPA 8260D	11-24-21	11-24-21	
1,2-Dibromo-3-chloropropane	e ND	0.0056	EPA 8260D	11-24-21	11-24-21	
1,2,4-Trichlorobenzene	ND	0.0011	EPA 8260D	11-24-21	11-24-21	
Hexachlorobutadiene	ND	0.0056	EPA 8260D	11-24-21	11-24-21	
Naphthalene	0.0087	0.0056	EPA 8260D	11-24-21	11-24-21	
1,2,3-Trichlorobenzene	ND	0.0011	EPA 8260D	11-24-21	11-24-21	
Surrogate:	Percent Recovery	Control Limits				
Carrogato.	. Groom recovery	COINTOI LITTIES				

Surrogate:	Percent Recovery	Control Limit
Dibromofluoromethane	99	74-131
Toluene-d8	102	78-128
4-Bromofluorobenzene	98	71-130

Laboratory Reference: 2111-244 Project: 060172

VOLATILE ORGANICS EPA 8260D QUALITY CONTROL

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Matrix: Soil Units: mg/kg

Office. Hig/kg				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1124S1					
Dichlorodifluoromethane	ND	0.0010	EPA 8260D	11-24-21	11-24-21	
Chloromethane	ND	0.0050	EPA 8260D	11-24-21	11-24-21	
Vinyl Chloride	ND	0.0010	EPA 8260D	11-24-21	11-24-21	
Bromomethane	ND	0.0050	EPA 8260D	11-24-21	11-24-21	
Chloroethane	ND	0.0050	EPA 8260D	11-24-21	11-24-21	
Trichlorofluoromethane	ND	0.0010	EPA 8260D	11-24-21	11-24-21	
1,1-Dichloroethene	ND	0.0010	EPA 8260D	11-24-21	11-24-21	
Acetone	ND	0.010	EPA 8260D	11-24-21	11-24-21	
lodomethane	ND	0.0050	EPA 8260D	11-24-21	11-24-21	
Carbon Disulfide	ND	0.0010	EPA 8260D	11-24-21	11-24-21	
Methylene Chloride	ND	0.0050	EPA 8260D	11-24-21	11-24-21	
(trans) 1,2-Dichloroethene	ND	0.0010	EPA 8260D	11-24-21	11-24-21	
Methyl t-Butyl Ether	ND	0.0010	EPA 8260D	11-24-21	11-24-21	
1,1-Dichloroethane	ND	0.0010	EPA 8260D	11-24-21	11-24-21	
Vinyl Acetate	ND	0.0050	EPA 8260D	11-24-21	11-24-21	
2,2-Dichloropropane	ND	0.0010	EPA 8260D	11-24-21	11-24-21	
(cis) 1,2-Dichloroethene	ND	0.0010	EPA 8260D	11-24-21	11-24-21	
2-Butanone	ND	0.0050	EPA 8260D	11-24-21	11-24-21	
Bromochloromethane	ND	0.0010	EPA 8260D	11-24-21	11-24-21	
Chloroform	ND	0.0010	EPA 8260D	11-24-21	11-24-21	
1,1,1-Trichloroethane	ND	0.0010	EPA 8260D	11-24-21	11-24-21	
Carbon Tetrachloride	ND	0.0010	EPA 8260D	11-24-21	11-24-21	
1,1-Dichloropropene	ND	0.0010	EPA 8260D	11-24-21	11-24-21	
Benzene	ND	0.0010	EPA 8260D	11-24-21	11-24-21	
1,2-Dichloroethane	ND	0.0010	EPA 8260D	11-24-21	11-24-21	
Trichloroethene	ND	0.0010	EPA 8260D	11-24-21	11-24-21	
1,2-Dichloropropane	ND	0.0010	EPA 8260D	11-24-21	11-24-21	
Dibromomethane	ND	0.0010	EPA 8260D	11-24-21	11-24-21	
Bromodichloromethane	ND	0.0010	EPA 8260D	11-24-21	11-24-21	
2-Chloroethyl Vinyl Ether	ND	0.0050	EPA 8260D	11-24-21	11-24-21	
(cis) 1,3-Dichloropropene	ND	0.0010	EPA 8260D	11-24-21	11-24-21	
Methyl Isobutyl Ketone	ND	0.0050	EPA 8260D	11-24-21	11-24-21	
Toluene	ND	0.0050	EPA 8260D	11-24-21	11-24-21	
(trans) 1,3-Dichloropropene	ND	0.0010	EPA 8260D	11-24-21	11-24-21	
(a.a.io) i,o biomoropropone	110	0.0010	L. / (0200D	1147-41	1127-21	

Laboratory Reference: 2111-244

Project: 060172

VOLATILE ORGANICS EPA 8260D QUALITY CONTROL

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METHOD BLANK Laboratory D: MB1124S1					Date	Date	
Laboratory ID: MB1124S1	Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
1,1,2-Trichloroethane	METHOD BLANK						
Tetrachloroethene ND 0.0010 EPA 8260D 11-24-21 11-24-21 1,3-Dichloropropane ND 0.0010 EPA 8260D 11-24-21 11-24-	Laboratory ID:	MB1124S1					
1,3-Dichloropropane ND 0.0010 EPA 8260D 11-24-21 11-24-21 2-Hexanone ND 0.0050 EPA 8260D 11-24-21 11-2	1,1,2-Trichloroethane	ND	0.0010	EPA 8260D	11-24-21	11-24-21	
2-Hexanone	Tetrachloroethene	ND	0.0010	EPA 8260D	11-24-21	11-24-21	
Dibromochloromethane	1,3-Dichloropropane	ND	0.0010	EPA 8260D	11-24-21	11-24-21	
1,2-Dibromoethane	2-Hexanone	ND	0.0050	EPA 8260D	11-24-21	11-24-21	
Chlorobenzene	Dibromochloromethane	ND	0.0010	EPA 8260D	11-24-21	11-24-21	
1,1,1,2-Tetrachloroethane	1,2-Dibromoethane	ND	0.0010	EPA 8260D	11-24-21	11-24-21	
Ethylbenzene	Chlorobenzene	ND	0.0010	EPA 8260D	11-24-21	11-24-21	
Mp-Xylene	1,1,1,2-Tetrachloroethane	ND	0.0010	EPA 8260D	11-24-21	11-24-21	
December ND 0.0010 EPA 8260D 11-24-21 11-24	Ethylbenzene	ND	0.0010	EPA 8260D	11-24-21	11-24-21	
Styrene ND 0.0010 EPA 8260D 11-24-21 11-24-	m,p-Xylene	ND	0.0020	EPA 8260D	11-24-21	11-24-21	
Bromoform ND	o-Xylene	ND	0.0010	EPA 8260D	11-24-21	11-24-21	
Sepropy S	Styrene	ND	0.0010	EPA 8260D	11-24-21	11-24-21	
Second December ND 0.0010 EPA 8260D 11-24-21	Bromoform	ND	0.0050	EPA 8260D	11-24-21	11-24-21	
Stromobenzene ND 0.0010 EPA 8260D 11-24-21	sopropylbenzene	ND	0.0010	EPA 8260D	11-24-21	11-24-21	
1,2,3-Trichloropropane	· · ·	ND	0.0010	EPA 8260D	11-24-21	11-24-21	
1,2,3-Trichloropropane	1,1,2,2-Tetrachloroethane	ND	0.0010	EPA 8260D	11-24-21	11-24-21	
2-Chlorotoluene ND 0.0010 EPA 8260D 11-24-21 11-24-21 12-4-21 13-4-21 11-24		ND	0.0010	EPA 8260D	11-24-21	11-24-21	
C-Chlorotoluene	n-Propylbenzene	ND	0.0010	EPA 8260D	11-24-21	11-24-21	
1,3,5-Trimethylbenzene ND 0.0010 EPA 8260D 11-24-21 11		ND			11-24-21	11-24-21	
ert-Butylbenzene ND 0.0010 EPA 8260D 11-24-21 11-24-21 12-4-21 13-24-21 11-	1-Chlorotoluene	ND	0.0010	EPA 8260D	11-24-21	11-24-21	
ert-Butylbenzene ND 0.0010 EPA 8260D 11-24-21 11-24-21 12-4-21 13-24-21 11-	1,3,5-Trimethylbenzene	ND	0.0010	EPA 8260D	11-24-21	11-24-21	
1,2,4-Trimethylbenzene		ND	0.0010	EPA 8260D	11-24-21	11-24-21	
Seec-Butylbenzene		ND	0.0010	EPA 8260D	11-24-21	11-24-21	
1,3-Dichlorobenzene ND 0.0010 EPA 8260D 11-24-21 11-24-21 1,4-Dispropyltoluene ND 0.0010 EPA 8260D 11-24-21 11-24-21 1,4-Dichlorobenzene ND 0.0010 EPA 8260D 11-24-21 11-24-21 1,2-Dichlorobenzene ND 0.0010 EPA 8260D 11-24-21 11-24-21 n-Butylbenzene ND 0.0010 EPA 8260D 11-24-21 11-24-21 1,2-Dibromo-3-chloropropane ND 0.0050 EPA 8260D 11-24-21 11-24-21 1,2,4-Trichlorobenzene ND 0.0010 EPA 8260D 11-24-21 11-24-21 Hexachlorobutadiene ND 0.0050 EPA 8260D 11-24-21 11-24-21 Naphthalene ND 0.0050 EPA 8260D 11-24-21 11-24-21 1,2,3-Trichlorobenzene ND 0.0010 EPA 8260D 11-24-21 11-24-21 Surrogate: Percent Recovery Control Limits Dibromofluoromethane 98 74-131 Toluene-d8		ND	0.0010	EPA 8260D	11-24-21	11-24-21	
Description		ND	0.0010	EPA 8260D	11-24-21	11-24-21	
1,4-Dichlorobenzene ND 0.0010 EPA 8260D 11-24-21 11-24-21 1,2-Dichlorobenzene ND 0.0010 EPA 8260D 11-24-21 11-24-21 n-Butylbenzene ND 0.0010 EPA 8260D 11-24-21 11-24-21 1,2-Dibromo-3-chloropropane ND 0.0050 EPA 8260D 11-24-21 11-24-21 1,2,4-Trichlorobenzene ND 0.0010 EPA 8260D 11-24-21 11-24-21 Hexachlorobutadiene ND 0.0050 EPA 8260D 11-24-21 11-24-21 Naphthalene ND 0.0050 EPA 8260D 11-24-21 11-24-21 1,2,3-Trichlorobenzene ND 0.0010 EPA 8260D 11-24-21 11-24-21 Surrogate: Percent Recovery Control Limits Dibromofluoromethane 98 74-131 Toluene-d8 104 78-128		ND	0.0010	EPA 8260D	11-24-21	11-24-21	
1,2-Dichlorobenzene ND 0.0010 EPA 8260D 11-24-21 11-24-21 n-Butylbenzene ND 0.0010 EPA 8260D 11-24-21 11-24-21 1,2-Dibromo-3-chloropropane ND 0.0050 EPA 8260D 11-24-21 11-24-21 1,2,4-Trichlorobenzene ND 0.0010 EPA 8260D 11-24-21 11-24-21 Hexachlorobutadiene ND 0.0050 EPA 8260D 11-24-21 11-24-21 Naphthalene ND 0.0050 EPA 8260D 11-24-21 11-24-21 1,2,3-Trichlorobenzene ND 0.0010 EPA 8260D 11-24-21 11-24-21 Surrogate: Percent Recovery Control Limits Dibromofluoromethane 98 74-131 Toluene-d8 104 78-128		ND			11-24-21		
ND 0.0010 EPA 8260D 11-24-21 11-24		ND	0.0010		11-24-21	11-24-21	
1,2-Dibromo-3-chloropropane ND 0.0050 EPA 8260D 11-24-21 11-24-21 1,2,4-Trichlorobenzene ND 0.0010 EPA 8260D 11-24-21 11-24-21 Hexachlorobutadiene ND 0.0050 EPA 8260D 11-24-21 11-24-21 Naphthalene ND 0.0050 EPA 8260D 11-24-21 11-24-21 1,2,3-Trichlorobenzene ND 0.0010 EPA 8260D 11-24-21 11-24-21 Surrogate: Percent Recovery Control Limits Dibromofluoromethane 98 74-131 Toluene-d8 104 78-128		ND	0.0010	EPA 8260D	11-24-21	11-24-21	
1,2,4-Trichlorobenzene ND 0.0010 EPA 8260D 11-24-21 11-24-21 Hexachlorobutadiene ND 0.0050 EPA 8260D 11-24-21 11-24-21 Naphthalene ND 0.0050 EPA 8260D 11-24-21 11-24-21 1,2,3-Trichlorobenzene ND 0.0010 EPA 8260D 11-24-21 11-24-21 Surrogate: Percent Recovery Control Limits Dibromofluoromethane 98 74-131 Toluene-d8 104 78-128		ND	0.0050	EPA 8260D	11-24-21	11-24-21	
No							
Naphthalene ND 0.0050 EPA 8260D 11-24-21 11-24-21 1,2,3-Trichlorobenzene ND 0.0010 EPA 8260D 11-24-21 11-24-21 Surrogate: Percent Recovery Control Limits Dibromofluoromethane 98 74-131 Toluene-d8 104 78-128	·			EPA 8260D			
1,2,3-Trichlorobenzene ND 0.0010 EPA 8260D 11-24-21 11-24-21 Surrogate: Percent Recovery Control Limits Dibromofluoromethane 98 74-131 Toluene-d8 104 78-128							
Surrogate: Percent Recovery Control Limits Dibromofluoromethane 98 74-131 Toluene-d8 104 78-128	•						
Dibromofluoromethane 98 74-131 Toluene-d8 104 78-128							
Toluene-d8 104 78-128	•						
	4-Bromofluorobenzene	104	71-130				

Laboratory Reference: 2111-244 Project: 060172

VOLATILE ORGANICS EPA 8260D QUALITY CONTROL

page 1 of 2

Matrix: Soil Units: mg/kg

Office. Hig/kg				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1129S1					
Dichlorodifluoromethane	ND	0.0013	EPA 8260D	11-29-21	11-29-21	
Chloromethane	ND	0.0050	EPA 8260D	11-29-21	11-29-21	
Vinyl Chloride	ND	0.0010	EPA 8260D	11-29-21	11-29-21	
Bromomethane	ND	0.0050	EPA 8260D	11-29-21	11-29-21	
Chloroethane	ND	0.0050	EPA 8260D	11-29-21	11-29-21	
Trichlorofluoromethane	ND	0.0010	EPA 8260D	11-29-21	11-29-21	
1,1-Dichloroethene	ND	0.0010	EPA 8260D	11-29-21	11-29-21	
Acetone	ND	0.010	EPA 8260D	11-29-21	11-29-21	
Iodomethane	ND	0.0050	EPA 8260D	11-29-21	11-29-21	
Carbon Disulfide	ND	0.0010	EPA 8260D	11-29-21	11-29-21	
Methylene Chloride	ND	0.0050	EPA 8260D	11-29-21	11-29-21	
(trans) 1,2-Dichloroethene	ND	0.0010	EPA 8260D	11-29-21	11-29-21	
Methyl t-Butyl Ether	ND	0.0010	EPA 8260D	11-29-21	11-29-21	
1,1-Dichloroethane	ND	0.0010	EPA 8260D	11-29-21	11-29-21	
Vinyl Acetate	ND	0.0050	EPA 8260D	11-29-21	11-29-21	
2,2-Dichloropropane	ND	0.0010	EPA 8260D	11-29-21	11-29-21	
(cis) 1,2-Dichloroethene	ND	0.0010	EPA 8260D	11-29-21	11-29-21	
2-Butanone	ND	0.0050	EPA 8260D	11-29-21	11-29-21	
Bromochloromethane	ND	0.0010	EPA 8260D	11-29-21	11-29-21	
Chloroform	ND	0.0010	EPA 8260D	11-29-21	11-29-21	
1,1,1-Trichloroethane	ND	0.0010	EPA 8260D	11-29-21	11-29-21	
Carbon Tetrachloride	ND	0.0010	EPA 8260D	11-29-21	11-29-21	
1,1-Dichloropropene	ND	0.0010	EPA 8260D	11-29-21	11-29-21	
Benzene	ND	0.0010	EPA 8260D	11-29-21	11-29-21	
1,2-Dichloroethane	ND	0.0010	EPA 8260D	11-29-21	11-29-21	
Trichloroethene	ND	0.0010	EPA 8260D	11-29-21	11-29-21	
1,2-Dichloropropane	ND	0.0010	EPA 8260D	11-29-21	11-29-21	
Dibromomethane	ND	0.0010	EPA 8260D	11-29-21	11-29-21	
Bromodichloromethane	ND	0.0010	EPA 8260D	11-29-21	11-29-21	
2-Chloroethyl Vinyl Ether	ND	0.0050	EPA 8260D	11-29-21	11-29-21	
(cis) 1,3-Dichloropropene	ND	0.0010	EPA 8260D	11-29-21	11-29-21	
Methyl Isobutyl Ketone	ND	0.0050	EPA 8260D	11-29-21	11-29-21	
Toluene	ND	0.0050	EPA 8260D	11-29-21	11-29-21	
(trans) 1,3-Dichloropropene	ND	0.0010	EPA 8260D	11-29-21	11-29-21	

Laboratory Reference: 2111-244

Project: 060172

VOLATILE ORGANICS EPA 8260D QUALITY CONTROL

page 2 of 2

				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1129S1					
1,1,2-Trichloroethane	ND	0.0010	EPA 8260D	11-29-21	11-29-21	
Tetrachloroethene	ND	0.0010	EPA 8260D	11-29-21	11-29-21	
1,3-Dichloropropane	ND	0.0010	EPA 8260D	11-29-21	11-29-21	
2-Hexanone	ND	0.0050	EPA 8260D	11-29-21	11-29-21	
Dibromochloromethane	ND	0.0010	EPA 8260D	11-29-21	11-29-21	
1,2-Dibromoethane	ND	0.0010	EPA 8260D	11-29-21	11-29-21	
Chlorobenzene	ND	0.0010	EPA 8260D	11-29-21	11-29-21	
1,1,1,2-Tetrachloroethane	ND	0.0010	EPA 8260D	11-29-21	11-29-21	
Ethylbenzene	ND	0.0010	EPA 8260D	11-29-21	11-29-21	
m,p-Xylene	ND	0.0020	EPA 8260D	11-29-21	11-29-21	
o-Xylene	ND	0.0010	EPA 8260D	11-29-21	11-29-21	
Styrene	ND	0.0010	EPA 8260D	11-29-21	11-29-21	
Bromoform	ND	0.0050	EPA 8260D	11-29-21	11-29-21	
Isopropylbenzene	ND	0.0010	EPA 8260D	11-29-21	11-29-21	
Bromobenzene	ND	0.0010	EPA 8260D	11-29-21	11-29-21	
1,1,2,2-Tetrachloroethane	ND	0.0010	EPA 8260D	11-29-21	11-29-21	
1,2,3-Trichloropropane	ND	0.0010	EPA 8260D	11-29-21	11-29-21	
n-Propylbenzene	ND	0.0010	EPA 8260D	11-29-21	11-29-21	
2-Chlorotoluene	ND	0.0010	EPA 8260D	11-29-21	11-29-21	
4-Chlorotoluene	ND	0.0010	EPA 8260D	11-29-21	11-29-21	
1,3,5-Trimethylbenzene	ND	0.0010	EPA 8260D	11-29-21	11-29-21	
tert-Butylbenzene	ND	0.0010	EPA 8260D	11-29-21	11-29-21	
1,2,4-Trimethylbenzene	ND	0.0010	EPA 8260D	11-29-21	11-29-21	
sec-Butylbenzene	ND	0.0010	EPA 8260D	11-29-21	11-29-21	
1,3-Dichlorobenzene	ND	0.0010	EPA 8260D	11-29-21	11-29-21	
p-Isopropyltoluene	ND	0.0010	EPA 8260D	11-29-21	11-29-21	
1,4-Dichlorobenzene	ND	0.0010	EPA 8260D	11-29-21	11-29-21	
1,2-Dichlorobenzene	ND	0.0010	EPA 8260D	11-29-21	11-29-21	
n-Butylbenzene	ND	0.0010	EPA 8260D	11-29-21	11-29-21	
1,2-Dibromo-3-chloropropane	ND	0.0050	EPA 8260D	11-29-21	11-29-21	
1,2,4-Trichlorobenzene	ND	0.0010	EPA 8260D	11-29-21	11-29-21	
Hexachlorobutadiene	ND	0.0050	EPA 8260D	11-29-21	11-29-21	
Naphthalene	ND	0.0050	EPA 8260D	11-29-21	11-29-21	
1,2,3-Trichlorobenzene	ND	0.0010	EPA 8260D	11-29-21	11-29-21	
Surrogate:	Percent Recovery	Control Limits				
Dibromofluoromethane	107	74-131				
Toluene-d8	107	78-128				
4-Bromofluorobenzene	105	71-130				

Laboratory Reference: 2111-244 Project: 060172

VOLATILE ORGANICS EPA 8260D QUALITY CONTROL

Matrix: Soil Units: mg/kg

					Per	cent	Recovery		RPD	
Analyte	Res	sult	Spike	Level	Reco	overy	Limits	RPD	Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB11	24S1								
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	0.0507	0.0578	0.0500	0.0500	101	116	71-131	13	19	
Benzene	0.0515	0.0569	0.0500	0.0500	103	114	73-124	10	18	
Trichloroethene	0.0533	0.0606	0.0500	0.0500	107	121	79-130	13	18	
Toluene	0.0495	0.0554	0.0500	0.0500	99	111	76-123	11	18	
Chlorobenzene	0.0453	0.0502	0.0500	0.0500	91	100	78-122	10	18	
Surrogate:										
Dibromofluoromethane					99	98	74-131			
Toluene-d8					104	104	78-128			
4-Bromofluorobenzene					106	106	71-130			
Laboratory ID:	SB11	29S1								
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	0.0524	0.0543	0.0500	0.0500	105	109	71-131	4	19	
Benzene	0.0537	0.0552	0.0500	0.0500	107	110	73-124	3	18	
Trichloroethene	0.0549	0.0573	0.0500	0.0500	110	115	79-130	4	18	
Toluene	0.0510	0.0528	0.0500	0.0500	102	106	76-123	3	18	
Chlorobenzene	0.0458	0.0470	0.0500	0.0500	92	94	78-122	3	18	
Surrogate:										
Dibromofluoromethane					103	103	74-131			
Toluene-d8					105	106	78-128			
4-Bromofluorobenzene					108	106	71-130			

Laboratory Reference: 2111-244 Project: 060172

% MOISTURE

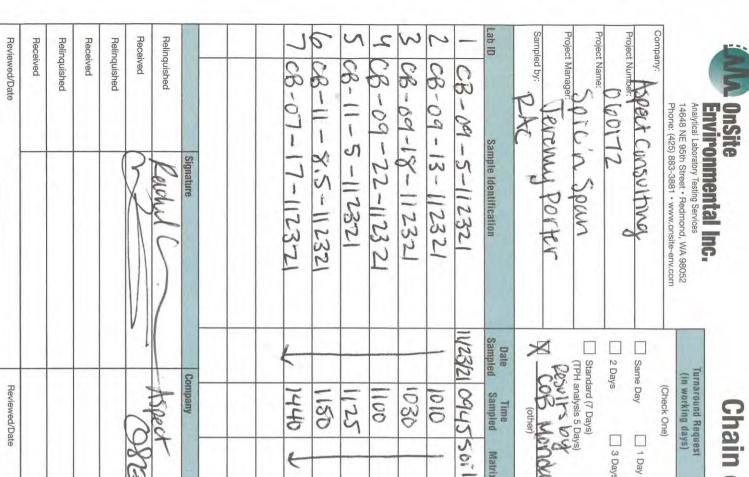
			Date
Client ID	Lab ID	% Moisture	Analyzed
CB-09-5-112321	11-244-01	6	11-24-21
CB-09-13-112321	11-244-02	17	11-24-21
CB-09-18-112321	11-244-03	26	11-24-21
CB-09-22-112321	11-244-04	26	11-24-21
CB-11-5-112321	11-244-05	6	11-24-21
CB-11-8.5-112321	11-244-06	19	11-24-21
CB-07-17-112321	11-244-07	23	11-24-21



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.
- 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 The sample chromatogram is similar to mineral spirits.
- ND Not Detected at PQL
- PQL Practical Quantitation Limit
- RPD Relative Percent Difference





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Comments/Special Instructions

Chromatograms with final report

Electronic Data Deliverables (EDDs)

Data Package: Standard

Level

 \equiv

Level

7

2012

Environmental Inc	Cildill O	Cildill of Gustouy	
Analytical Laboratory Testing Services 14648 NE 95th Street • Redmond, WA 98052	Turnaround Request (in working days)	Laboratory Number: 11-244	
Phone: (425) 883-3881 • www.onsite-env.com	(Check One)		
spect Consultively	Same Day 1 Day	0D/SIM	54
060172	2 Days 3 Days	5081B es 8270	
Spic a Span	Standard (7 Days) (TPH analysis 5 Days)	I / SG Communication of the second of the se	
TEVENMA POSTES	TORNIT DA	Acid Acid COC Volatile 1 (Wate 8270D SIM (lo	
PX E	(other)	es 8260 enated EPA 801 olatiles ow-leve 8270D/ 8082A ochlorin ophosp nated A RCRA M	sture
Sample Identification	Date Time Sampled Sampled Matrix	NWTP NWTP NWTP NWTP Volatil Halogo EDB E Semivvi (with In PAHs Organ Organ Chloria Total F Total N TCLP	% Moi



December 6, 2021

Jeremy Porter Aspect Consulting Dexter Horton Building 710 2nd Avenue, Suite 550 Seattle, WA 98104

Re: Analytical Data for Project 060172

Laboratory Reference No. 2112-041

Dear Jeremy:

Enclosed are the analytical results and associated quality control data for samples submitted on December 3, 2021.

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,

David Baumeister Project Manager

Enclosures



Project: 060172

Case Narrative

Samples were collected on December 3, 2021 and received by the laboratory on December 3, 2021. 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.

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 value reported for Acetone in sample CB-2A-3-120321 exceeds the calibration range and is therefore an estimate. The sample was re-analyzed at the lowest possible dilution allowed by Method 5035A with non-detect results for Acetone.

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.

Project: 060172

GASOLINE RANGE ORGANICS NWTPH-Gx

Matrix: Soil

Units: mg/kg (ppm)

				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	CB-4A-6-120321					
Laboratory ID:	12-041-01					
Gasoline	ND	5.7	NWTPH-Gx	12-3-21	12-3-21	
Surrogate:	Percent Recovery	Control Limits				
Fluorobenzene	106	66-129				
Client ID:	CB-2A-3-120321					
Laboratory ID:	12-041-02					
Gasoline	ND	5.1	NWTPH-Gx	12-3-21	12-3-21	
Surrogate:	Percent Recovery	Control Limits				
Fluorobenzene	114	66-129				
Client ID:	CB-2A-18-120321					
Laboratory ID:	12-041-03					
Gasoline	ND	6.6	NWTPH-Gx	12-3-21	12-3-21	
Surrogate:	Percent Recovery	Control Limits				
Fluorobenzene	111	66-129				

Project: 060172

GASOLINE RANGE ORGANICS NWTPH-Gx QUALITY CONTROL

Matrix: Soil

Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1203S1					
Gasoline	ND	5.0	NWTPH-Gx	12-3-21	12-3-21	
Surrogate:	Percent Recovery	Control Limits				
Fluorobenzene	105	66-129				

Analyte	Res	sult	Spike	Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE										
Laboratory ID:	12-04	11-01								
	ORIG	DUP								
Gasoline	ND	ND	NA	NA		NA	NA	NA	30	
Surrogate:										
Fluorobenzene						106 108	66-129			

Fluorobenzene

Project: 060172

VOLATILE ORGANICS EPA 8260D

page 1 of 2

Matrix: Soil Units: mg/kg

				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	CB-4A-6-120321					
Laboratory ID:	12-041-01					
Dichlorodifluoromethane	ND	0.0017	EPA 8260D	12-3-21	12-3-21	
Chloromethane	ND	0.0059	EPA 8260D	12-3-21	12-3-21	
Vinyl Chloride	ND	0.0012	EPA 8260D	12-3-21	12-3-21	
Bromomethane	ND	0.0059	EPA 8260D	12-3-21	12-3-21	
Chloroethane	ND	0.0059	EPA 8260D	12-3-21	12-3-21	
Trichlorofluoromethane	ND	0.0012	EPA 8260D	12-3-21	12-3-21	
1,1-Dichloroethene	ND	0.0012	EPA 8260D	12-3-21	12-3-21	
Acetone	0.083	0.012	EPA 8260D	12-3-21	12-3-21	
Iodomethane	ND	0.0059	EPA 8260D	12-3-21	12-3-21	
Carbon Disulfide	ND	0.0012	EPA 8260D	12-3-21	12-3-21	
Methylene Chloride	ND	0.0059	EPA 8260D	12-3-21	12-3-21	
(trans) 1,2-Dichloroethene	ND	0.0012	EPA 8260D	12-3-21	12-3-21	
Methyl t-Butyl Ether	ND	0.0012	EPA 8260D	12-3-21	12-3-21	
1,1-Dichloroethane	ND	0.0012	EPA 8260D	12-3-21	12-3-21	
Vinyl Acetate	ND	0.0059	EPA 8260D	12-3-21	12-3-21	
2,2-Dichloropropane	ND	0.0012	EPA 8260D	12-3-21	12-3-21	
(cis) 1,2-Dichloroethene	ND	0.0012	EPA 8260D	12-3-21	12-3-21	
2-Butanone	0.0065	0.0059	EPA 8260D	12-3-21	12-3-21	
Bromochloromethane	ND	0.0012	EPA 8260D	12-3-21	12-3-21	
Chloroform	ND	0.0012	EPA 8260D	12-3-21	12-3-21	
1,1,1-Trichloroethane	ND	0.0012	EPA 8260D	12-3-21	12-3-21	
Carbon Tetrachloride	ND	0.0012	EPA 8260D	12-3-21	12-3-21	
1,1-Dichloropropene	ND	0.0012	EPA 8260D	12-3-21	12-3-21	
Benzene	ND	0.0012	EPA 8260D	12-3-21	12-3-21	
1,2-Dichloroethane	ND	0.0012	EPA 8260D	12-3-21	12-3-21	
Trichloroethene	0.0020	0.0012	EPA 8260D	12-3-21	12-3-21	
1,2-Dichloropropane	ND	0.0012	EPA 8260D	12-3-21	12-3-21	
Dibromomethane	ND	0.0012	EPA 8260D	12-3-21	12-3-21	
Bromodichloromethane	ND	0.0012	EPA 8260D	12-3-21	12-3-21	
2-Chloroethyl Vinyl Ether	ND	0.0059	EPA 8260D	12-3-21	12-3-21	
(cis) 1,3-Dichloropropene	ND	0.0012	EPA 8260D	12-3-21	12-3-21	
Methyl Isobutyl Ketone	ND	0.0059	EPA 8260D	12-3-21	12-3-21	
Toluene	ND	0.0059	EPA 8260D	12-3-21	12-3-21	
(trans) 1,3-Dichloropropene	ND	0.0012	EPA 8260D	12-3-21	12-3-21	

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VOLATILE ORGANICS EPA 8260D

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				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	CB-4A-6-120321					
Laboratory ID:	12-041-01					
1,1,2-Trichloroethane	ND	0.0012	EPA 8260D	12-3-21	12-3-21	
Tetrachloroethene	0.0076	0.0012	EPA 8260D	12-3-21	12-3-21	
1,3-Dichloropropane	ND	0.0012	EPA 8260D	12-3-21	12-3-21	
2-Hexanone	ND	0.0059	EPA 8260D	12-3-21	12-3-21	
Dibromochloromethane	ND	0.0012	EPA 8260D	12-3-21	12-3-21	
1,2-Dibromoethane	ND	0.0012	EPA 8260D	12-3-21	12-3-21	
Chlorobenzene	ND	0.0012	EPA 8260D	12-3-21	12-3-21	
1,1,1,2-Tetrachloroethane	ND	0.0012	EPA 8260D	12-3-21	12-3-21	
Ethylbenzene	ND	0.0012	EPA 8260D	12-3-21	12-3-21	
m,p-Xylene	ND	0.0024	EPA 8260D	12-3-21	12-3-21	
o-Xylene	ND	0.0012	EPA 8260D	12-3-21	12-3-21	
Styrene	ND	0.0012	EPA 8260D	12-3-21	12-3-21	
Bromoform	ND	0.0059	EPA 8260D	12-3-21	12-3-21	
Isopropylbenzene	ND	0.0012	EPA 8260D	12-3-21	12-3-21	
Bromobenzene	ND	0.0012	EPA 8260D	12-3-21	12-3-21	
1,1,2,2-Tetrachloroethane	ND	0.0012	EPA 8260D	12-3-21	12-3-21	
1,2,3-Trichloropropane	ND	0.0012	EPA 8260D	12-3-21	12-3-21	
n-Propylbenzene	ND	0.0012	EPA 8260D	12-3-21	12-3-21	
2-Chlorotoluene	ND	0.0012	EPA 8260D	12-3-21	12-3-21	
4-Chlorotoluene	ND	0.0012	EPA 8260D	12-3-21	12-3-21	
1,3,5-Trimethylbenzene	ND	0.0012	EPA 8260D	12-3-21	12-3-21	
tert-Butylbenzene	ND	0.0012	EPA 8260D	12-3-21	12-3-21	
1,2,4-Trimethylbenzene	ND	0.0012	EPA 8260D	12-3-21	12-3-21	
sec-Butylbenzene	ND	0.0012	EPA 8260D	12-3-21	12-3-21	
1,3-Dichlorobenzene	ND	0.0012	EPA 8260D	12-3-21	12-3-21	
p-Isopropyltoluene	ND	0.0012	EPA 8260D	12-3-21	12-3-21	
1,4-Dichlorobenzene	ND	0.0012	EPA 8260D	12-3-21	12-3-21	
1,2-Dichlorobenzene	ND	0.0012	EPA 8260D	12-3-21	12-3-21	
n-Butylbenzene	ND	0.0012	EPA 8260D	12-3-21	12-3-21	
1,2-Dibromo-3-chloropropane	e ND	0.0059	EPA 8260D	12-3-21	12-3-21	
1,2,4-Trichlorobenzene	ND	0.0012	EPA 8260D	12-3-21	12-3-21	
Hexachlorobutadiene	ND	0.0059	EPA 8260D	12-3-21	12-3-21	
Naphthalene	ND	0.0059	EPA 8260D	12-3-21	12-3-21	
1,2,3-Trichlorobenzene	ND	0.0012	EPA 8260D	12-3-21	12-3-21	
Surrogate:	Percent Recovery	Control Limits				
Dibromofluoromethane	97	74-131				
Toluene-d8	98	78-128				

4-Bromofluorobenzene

71-130

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VOLATILE ORGANICS EPA 8260D

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Matrix: Soil Units: mg/kg

				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	CB-2A-3-120321					
Laboratory ID:	12-041-02					
Dichlorodifluoromethane	ND	0.0013	EPA 8260D	12-3-21	12-3-21	
Chloromethane	ND	0.0045	EPA 8260D	12-3-21	12-3-21	
Vinyl Chloride	ND	0.00090	EPA 8260D	12-3-21	12-3-21	
Bromomethane	ND	0.0045	EPA 8260D	12-3-21	12-3-21	
Chloroethane	ND	0.0045	EPA 8260D	12-3-21	12-3-21	
Trichlorofluoromethane	ND	0.00090	EPA 8260D	12-3-21	12-3-21	
1,1-Dichloroethene	ND	0.00090	EPA 8260D	12-3-21	12-3-21	
Acetone	0.51	0.0090	EPA 8260D	12-3-21	12-3-21	E
Iodomethane	ND	0.0045	EPA 8260D	12-3-21	12-3-21	
Carbon Disulfide	0.00091	0.00090	EPA 8260D	12-3-21	12-3-21	
Methylene Chloride	ND	0.0045	EPA 8260D	12-3-21	12-3-21	
(trans) 1,2-Dichloroethene	ND	0.00090	EPA 8260D	12-3-21	12-3-21	
Methyl t-Butyl Ether	ND	0.00090	EPA 8260D	12-3-21	12-3-21	
1,1-Dichloroethane	ND	0.00090	EPA 8260D	12-3-21	12-3-21	
Vinyl Acetate	ND	0.0045	EPA 8260D	12-3-21	12-3-21	
2,2-Dichloropropane	ND	0.00090	EPA 8260D	12-3-21	12-3-21	
(cis) 1,2-Dichloroethene	ND	0.00090	EPA 8260D	12-3-21	12-3-21	
2-Butanone	0.066	0.0045	EPA 8260D	12-3-21	12-3-21	
Bromochloromethane	ND	0.00090	EPA 8260D	12-3-21	12-3-21	
Chloroform	ND	0.00090	EPA 8260D	12-3-21	12-3-21	
1,1,1-Trichloroethane	ND	0.00090	EPA 8260D	12-3-21	12-3-21	
Carbon Tetrachloride	ND	0.00090	EPA 8260D	12-3-21	12-3-21	
1,1-Dichloropropene	ND	0.00090	EPA 8260D	12-3-21	12-3-21	
Benzene	0.0011	0.00090	EPA 8260D	12-3-21	12-3-21	
1,2-Dichloroethane	ND	0.00090	EPA 8260D	12-3-21	12-3-21	
Trichloroethene	0.012	0.00090	EPA 8260D	12-3-21	12-3-21	
1,2-Dichloropropane	ND	0.00090	EPA 8260D	12-3-21	12-3-21	
Dibromomethane	ND	0.00090	EPA 8260D	12-3-21	12-3-21	
Bromodichloromethane	ND	0.00090	EPA 8260D	12-3-21	12-3-21	
2-Chloroethyl Vinyl Ether	ND	0.0045	EPA 8260D	12-3-21	12-3-21	
(cis) 1,3-Dichloropropene	ND	0.00090	EPA 8260D	12-3-21	12-3-21	
Methyl Isobutyl Ketone	ND	0.0045	EPA 8260D	12-3-21	12-3-21	
Toluene	ND	0.0045	EPA 8260D	12-3-21	12-3-21	
(trans) 1,3-Dichloropropene	ND	0.00090	EPA 8260D	12-3-21	12-3-21	

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VOLATILE ORGANICS EPA 8260D

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				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	CB-2A-3-120321					
Laboratory ID:	12-041-02					
1,1,2-Trichloroethane	ND	0.00090	EPA 8260D	12-3-21	12-3-21	
Tetrachloroethene	0.20	0.050	EPA 8260D	12-3-21	12-3-21	
1,3-Dichloropropane	ND	0.00090	EPA 8260D	12-3-21	12-3-21	
2-Hexanone	ND	0.0045	EPA 8260D	12-3-21	12-3-21	
Dibromochloromethane	ND	0.00090	EPA 8260D	12-3-21	12-3-21	
1,2-Dibromoethane	ND	0.00090	EPA 8260D	12-3-21	12-3-21	
Chlorobenzene	ND	0.00090	EPA 8260D	12-3-21	12-3-21	
1,1,1,2-Tetrachloroethane	ND	0.00090	EPA 8260D	12-3-21	12-3-21	
Ethylbenzene	ND	0.00090	EPA 8260D	12-3-21	12-3-21	
m,p-Xylene	ND	0.0018	EPA 8260D	12-3-21	12-3-21	
o-Xylene	0.00091	0.00090	EPA 8260D	12-3-21	12-3-21	
Styrene	ND	0.00090	EPA 8260D	12-3-21	12-3-21	
Bromoform	ND	0.0045	EPA 8260D	12-3-21	12-3-21	
Isopropylbenzene	ND	0.00090	EPA 8260D	12-3-21	12-3-21	
Bromobenzene	ND	0.050	EPA 8260D	12-3-21	12-3-21	
1,1,2,2-Tetrachloroethane	ND	0.050	EPA 8260D	12-3-21	12-3-21	
1,2,3-Trichloropropane	ND	0.050	EPA 8260D	12-3-21	12-3-21	
n-Propylbenzene	ND	0.050	EPA 8260D	12-3-21	12-3-21	
2-Chlorotoluene	ND	0.050	EPA 8260D	12-3-21	12-3-21	
4-Chlorotoluene	ND	0.050	EPA 8260D	12-3-21	12-3-21	
1,3,5-Trimethylbenzene	ND	0.050	EPA 8260D	12-3-21	12-3-21	
tert-Butylbenzene	ND	0.050	EPA 8260D	12-3-21	12-3-21	
1,2,4-Trimethylbenzene	ND	0.050	EPA 8260D	12-3-21	12-3-21	
sec-Butylbenzene	ND	0.050	EPA 8260D	12-3-21	12-3-21	
1,3-Dichlorobenzene	ND	0.050	EPA 8260D	12-3-21	12-3-21	
p-Isopropyltoluene	ND	0.050	EPA 8260D	12-3-21	12-3-21	
1,4-Dichlorobenzene	ND	0.050	EPA 8260D	12-3-21	12-3-21	
1,2-Dichlorobenzene	ND	0.050	EPA 8260D	12-3-21	12-3-21	
n-Butylbenzene	ND	0.050	EPA 8260D	12-3-21	12-3-21	
1,2-Dibromo-3-chloropropane		0.25	EPA 8260D	12-3-21	12-3-21	
1,2,4-Trichlorobenzene	ND	0.050	EPA 8260D	12-3-21	12-3-21	
Hexachlorobutadiene	ND	0.25	EPA 8260D	12-3-21	12-3-21	
Naphthalene	ND	0.25	EPA 8260D	12-3-21	12-3-21	
1,2,3-Trichlorobenzene	ND	0.050	EPA 8260D	12-3-21	12-3-21	
Surrogate:	Percent Recovery	Control Limits				
Dibromofluoromethane	104	74-131				

4-Bromofluorobenzene

Toluene-d8

78-128

71-130

96

87

Project: 060172

VOLATILE ORGANICS EPA 8260D

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Matrix: Soil Units: mg/kg

				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	CB-2A-18-120321					
Laboratory ID:	12-041-03					
Dichlorodifluoromethane	ND	0.0013	EPA 8260D	12-3-21	12-3-21	
Chloromethane	ND	0.0046	EPA 8260D	12-3-21	12-3-21	
Vinyl Chloride	ND	0.00092	EPA 8260D	12-3-21	12-3-21	
Bromomethane	ND	0.0046	EPA 8260D	12-3-21	12-3-21	
Chloroethane	ND	0.0046	EPA 8260D	12-3-21	12-3-21	
Trichlorofluoromethane	ND	0.00092	EPA 8260D	12-3-21	12-3-21	
1,1-Dichloroethene	ND	0.00092	EPA 8260D	12-3-21	12-3-21	
Acetone	0.59	0.55	EPA 8260D	12-3-21	12-3-21	
lodomethane	ND	0.0046	EPA 8260D	12-3-21	12-3-21	
Carbon Disulfide	ND	0.00092	EPA 8260D	12-3-21	12-3-21	
Methylene Chloride	ND	0.0046	EPA 8260D	12-3-21	12-3-21	
(trans) 1,2-Dichloroethene	ND	0.00092	EPA 8260D	12-3-21	12-3-21	
Methyl t-Butyl Ether	ND	0.00092	EPA 8260D	12-3-21	12-3-21	
1,1-Dichloroethane	ND	0.00092	EPA 8260D	12-3-21	12-3-21	
Vinyl Acetate	ND	0.0046	EPA 8260D	12-3-21	12-3-21	
2,2-Dichloropropane	ND	0.00092	EPA 8260D	12-3-21	12-3-21	
(cis) 1,2-Dichloroethene	ND	0.00092	EPA 8260D	12-3-21	12-3-21	
2-Butanone	0.12	0.0046	EPA 8260D	12-3-21	12-3-21	
Bromochloromethane	ND	0.00092	EPA 8260D	12-3-21	12-3-21	
Chloroform	ND	0.00092	EPA 8260D	12-3-21	12-3-21	
1,1,1-Trichloroethane	ND	0.00092	EPA 8260D	12-3-21	12-3-21	
Carbon Tetrachloride	ND	0.00092	EPA 8260D	12-3-21	12-3-21	
1,1-Dichloropropene	ND	0.00092	EPA 8260D	12-3-21	12-3-21	
Benzene	ND	0.00092	EPA 8260D	12-3-21	12-3-21	
1,2-Dichloroethane	ND	0.00092	EPA 8260D	12-3-21	12-3-21	
Trichloroethene	ND	0.00092	EPA 8260D	12-3-21	12-3-21	
1,2-Dichloropropane	ND	0.00092	EPA 8260D	12-3-21	12-3-21	
Dibromomethane	ND	0.00092	EPA 8260D	12-3-21	12-3-21	
Bromodichloromethane	ND	0.00092	EPA 8260D	12-3-21	12-3-21	
2-Chloroethyl Vinyl Ether	ND	0.0046	EPA 8260D	12-3-21	12-3-21	
(cis) 1,3-Dichloropropene	ND	0.00092	EPA 8260D	12-3-21	12-3-21	
Methyl Isobutyl Ketone	ND	0.0046	EPA 8260D	12-3-21	12-3-21	
Toluene	ND	0.0046	EPA 8260D	12-3-21	12-3-21	
(trans) 1,3-Dichloropropene	. ND	0.00092	EPA 8260D	12-3-21	12-3-21	

VOLATILE ORGANICS EPA 8260D

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				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	CB-2A-18-120321					
Laboratory ID:	12-041-03					
1,1,2-Trichloroethane	ND	0.00092	EPA 8260D	12-3-21	12-3-21	
Tetrachloroethene	ND	0.00092	EPA 8260D	12-3-21	12-3-21	
1,3-Dichloropropane	ND	0.00092	EPA 8260D	12-3-21	12-3-21	
2-Hexanone	ND	0.0046	EPA 8260D	12-3-21	12-3-21	
Dibromochloromethane	ND	0.00092	EPA 8260D	12-3-21	12-3-21	
1,2-Dibromoethane	ND	0.00092	EPA 8260D	12-3-21	12-3-21	
Chlorobenzene	ND	0.00092	EPA 8260D	12-3-21	12-3-21	
1,1,1,2-Tetrachloroethane	ND	0.00092	EPA 8260D	12-3-21	12-3-21	
Ethylbenzene	ND	0.00092	EPA 8260D	12-3-21	12-3-21	
m,p-Xylene	ND	0.0018	EPA 8260D	12-3-21	12-3-21	
o-Xylene	ND	0.00092	EPA 8260D	12-3-21	12-3-21	
Styrene	ND	0.00092	EPA 8260D	12-3-21	12-3-21	
Bromoform	ND	0.0046	EPA 8260D	12-3-21	12-3-21	
Isopropylbenzene	ND	0.00092	EPA 8260D	12-3-21	12-3-21	
Bromobenzene	ND	0.00092	EPA 8260D	12-3-21	12-3-21	
1,1,2,2-Tetrachloroethane	ND	0.00092	EPA 8260D	12-3-21	12-3-21	
1,2,3-Trichloropropane	ND	0.00092	EPA 8260D	12-3-21	12-3-21	
n-Propylbenzene	ND	0.00092	EPA 8260D	12-3-21	12-3-21	
2-Chlorotoluene	ND	0.00092	EPA 8260D	12-3-21	12-3-21	
4-Chlorotoluene	ND	0.00092	EPA 8260D	12-3-21	12-3-21	
1,3,5-Trimethylbenzene	ND	0.00092	EPA 8260D	12-3-21	12-3-21	
tert-Butylbenzene	ND	0.00092	EPA 8260D	12-3-21	12-3-21	
1,2,4-Trimethylbenzene	ND	0.00092	EPA 8260D	12-3-21	12-3-21	
sec-Butylbenzene	ND	0.00092	EPA 8260D	12-3-21	12-3-21	
1,3-Dichlorobenzene	ND	0.00092	EPA 8260D	12-3-21	12-3-21	
p-Isopropyltoluene	ND	0.00092	EPA 8260D	12-3-21	12-3-21	
1,4-Dichlorobenzene	ND	0.00092	EPA 8260D	12-3-21	12-3-21	
1,2-Dichlorobenzene	ND	0.00092	EPA 8260D	12-3-21	12-3-21	
n-Butylbenzene	ND	0.00092	EPA 8260D	12-3-21	12-3-21	
1,2-Dibromo-3-chloropropane	e ND	0.0046	EPA 8260D	12-3-21	12-3-21	
1,2,4-Trichlorobenzene	ND	0.00092	EPA 8260D	12-3-21	12-3-21	
Hexachlorobutadiene	ND	0.0046	EPA 8260D	12-3-21	12-3-21	
Naphthalene	ND	0.0046	EPA 8260D	12-3-21	12-3-21	
1,2,3-Trichlorobenzene	ND	0.00092	EPA 8260D	12-3-21	12-3-21	
Surrogate:	Percent Recovery	Control Limits				
Dibromofluoromethane	100	74-131				
Toluene-d8	99	78-128				

4-Bromofluorobenzene

71-130

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Date of Report: December 6, 2021 Samples Submitted: December 3, 2021 Laboratory Reference: 2112-041 Project: 060172

VOLATILE ORGANICS EPA 8260D QUALITY CONTROL

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Matrix: Soil Units: mg/kg

METHOD BLANK Laboratory D: MB1203S1 Dichlorodiffluoromethane ND 0.0014 EPA 8260D 12-3-21					Date	Date	
Dichlorodifluoromethane	Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Dichlorodifluoromethane ND 0.0014 EPA 8260D 12-3-21 12-3-21 Chloromethane ND 0.0050 EPA 8260D 12-3-21 12-3-21 Vinyl Chloride ND 0.0050 EPA 8260D 12-3-21 12-3-21 Bromomethane ND 0.0050 EPA 8260D 12-3-21 12-3-21 Chloroethane ND 0.0050 EPA 8260D 12-3-21 12-3-21 Chloroethane ND 0.0010 EPA 8260D 12-3-21 12-3-21 Trichlorofluoromethane ND 0.0010 EPA 8260D 12-3-21 12-3-21 Acetone ND 0.0010 EPA 8260D 12-3-21 12-3-21 Iodomethane ND 0.0050 EPA 8260D 12-3-21 12-3-21 Iodomethane ND 0.0050 EPA 8260D 12-3-21 12-3-21 Iodomethane ND 0.0010 EPA 8260D 12-3-21 12-3-21 Iodomethane ND 0.0010 EPA 8260D 12-3-21 12-3-21	METHOD BLANK						
Chloromethane ND 0.0050 EPA 8260D 12-3-21 12-3-21 Vinyl Chloride ND 0.0010 EPA 8260D 12-3-21 12-3-21 Bromomethane ND 0.0050 EPA 8260D 12-3-21 12-3-21 Chloroethane ND 0.0050 EPA 8260D 12-3-21 12-3-21 Trichlorofluoromethane ND 0.0010 EPA 8260D 12-3-21 12-3-21 Trichloroethene ND 0.0010 EPA 8260D 12-3-21 12-3-21 Acetone ND 0.0010 EPA 8260D 12-3-21 12-3-21 Iodomethane ND 0.0050 EPA 8260D 12-3-21 12-3-21 Iodomethane ND 0.0010 EPA 8260D 12-3-21 12-3-21 Iodomethane ND 0.0010 EPA 8260D 12-3-21 12-3-21 Carbon Disulfide ND 0.0010 EPA 8260D 12-3-21 12-3-21 Carbon Disulfide ND 0.0010 EPA 8260D 12-3-21 12-3-21 <td>Laboratory ID:</td> <td>MB1203S1</td> <td></td> <td></td> <td></td> <td></td> <td></td>	Laboratory ID:	MB1203S1					
Vinyl Chloride ND 0.0010 EPA 8260D 12-3-21 12-3-21 Bromomethane ND 0.0050 EPA 8260D 12-3-21 12-3-21 Chloroethane ND 0.0050 EPA 8260D 12-3-21 12-3-21 Trichloroftuoromethane ND 0.0010 EPA 8260D 12-3-21 12-3-21 1,1-Dichloroethene ND 0.0010 EPA 8260D 12-3-21 12-3-21 Acetone ND 0.010 EPA 8260D 12-3-21 12-3-21 Iodomethane ND 0.0050 EPA 8260D 12-3-21 12-3-21 Iodomethane ND 0.0010 EPA 8260D 12-3-21 12-3-21 Methylene Chloride ND 0.0050 EPA 8260D 12-3-21 12-3-21 Methylene Chlorotethene ND 0.0010 EPA 8260D 12-3-21 12-3-21 Methyl t-Butyl Ether ND 0.0010 EPA 8260D 12-3-21 12-3-21 Vinyl Acetate ND 0.0050 EPA 8260D 12-3-21	Dichlorodifluoromethane	ND	0.0014	EPA 8260D	12-3-21	12-3-21	
Bromomethane ND 0.0050 EPA 8260D 12-3-21 12-3-21 Chloroethane ND 0.0050 EPA 8260D 12-3-21 12-3-21 Trichlorofluoromethane ND 0.0010 EPA 8260D 12-3-21 12-3-21 1,1-Dichloroethene ND 0.0010 EPA 8260D 12-3-21 12-3-21 Acetone ND 0.010 EPA 8260D 12-3-21 12-3-21 Iodomethane ND 0.0050 EPA 8260D 12-3-21 12-3-21 Carbon Disulfide ND 0.0010 EPA 8260D 12-3-21 12-3-21 Methylene Chloride ND 0.0050 EPA 8260D 12-3-21 12-3-21 (trans) 1,2-Dichloroethene ND 0.0010 EPA 8260D 12-3-21 12-3-21 Methyl t-Butyl Ether ND 0.0010 EPA 8260D 12-3-21 12-3-21 Vinyl Acetale ND 0.0010 EPA 8260D 12-3-21 12-3-21 Vinyl Acetale ND 0.0010 EPA 8260D 12-3-21 </td <td>Chloromethane</td> <td>ND</td> <td>0.0050</td> <td>EPA 8260D</td> <td>12-3-21</td> <td>12-3-21</td> <td></td>	Chloromethane	ND	0.0050	EPA 8260D	12-3-21	12-3-21	
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Trichlorofluoromethane ND 0.0010 EPA 8260D 12-3-21 12-3-21 1,1-Dichloroethene ND 0.0010 EPA 8260D 12-3-21 12-3-21 Acetone ND 0.010 EPA 8260D 12-3-21 12-3-21 Iodomethane ND 0.0050 EPA 8260D 12-3-21 12-3-21 Carbon Disulfide ND 0.0010 EPA 8260D 12-3-21 12-3-21 Methylene Chloride ND 0.0050 EPA 8260D 12-3-21 12-3-21 Methyl EButyl Ether ND 0.0010 EPA 8260D 12-3-21 12-3-21 Methyl L-Butyl Ether ND 0.0010 EPA 8260D 12-3-21 12-3-21 Methyl L-Butyl Ether ND 0.0010 EPA 8260D 12-3-21 12-3-21 Methyl L-Butyl Ether ND 0.0010 EPA 8260D 12-3-21 12-3-21 Vinyl Acetate ND 0.0010 EPA 8260D 12-3-21 12-3-21 2,2-Dichloroethane ND 0.0010 EPA 8260D	Bromomethane	ND	0.0050	EPA 8260D	12-3-21	12-3-21	
1,1-Dichloroethene ND 0.0010 EPA 8260D 12-3-21 12-3-21 Acetone ND 0.010 EPA 8260D 12-3-21 12-3-21 Iodomethane ND 0.0050 EPA 8260D 12-3-21 12-3-21 Carbon Disulfide ND 0.0010 EPA 8260D 12-3-21 12-3-21 Methylene Chloride ND 0.0010 EPA 8260D 12-3-21 12-3-21 Methyle Chloride ND 0.0010 EPA 8260D 12-3-21 12-3-21 Methyl t-Butyl Ether ND 0.0010 EPA 8260D 12-3-21 12-3-21 Methyl t-Butyl Ether ND 0.0010 EPA 8260D 12-3-21 12-3-21 Mipple Chloroptoethene ND 0.0010 EPA 8260D 12-3-21 12-3-21 Methyl t-Butyl Ether ND 0.0010 EPA 8260D 12-3-21 12-3-21 Mipple Chloroptoethane ND 0.0050 EPA 8260D 12-3-21 12-3-21 Methylene ND 0.0010 EPA 8260D <t< td=""><td>Chloroethane</td><td>ND</td><td>0.0050</td><td>EPA 8260D</td><td>12-3-21</td><td>12-3-21</td><td></td></t<>	Chloroethane	ND	0.0050	EPA 8260D	12-3-21	12-3-21	
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Iodomethane ND 0.0050 EPA 8260D 12-3-21 12-3-21 Carbon Disulfide ND 0.0010 EPA 8260D 12-3-21 12-3-21 Methylene Chloride ND 0.0050 EPA 8260D 12-3-21 12-3-21 Methyl Ebutyl Ether ND 0.0010 EPA 8260D 12-3-21 12-3-21 Methyl t-Butyl Ether ND 0.0010 EPA 8260D 12-3-21 12-3-21 1,1-Dichloroethane ND 0.0010 EPA 8260D 12-3-21 12-3-21 Vinyl Acetate ND 0.0050 EPA 8260D 12-3-21 12-3-21 2,2-Dichloropropane ND 0.0010 EPA 8260D 12-3-21 12-3-21 2,2-Dichloroethane ND 0.0010 EPA 8260D 12-3-21 12-3-21 2,2-Dichloroethane ND 0.0010 EPA 8260D 12-3-21 12-3-21 2-Butanone ND 0.0010 EPA 8260D 12-3-21 12-3-21 Bromochloromethane ND 0.0010 EPA 8260D <t< td=""><td>1,1-Dichloroethene</td><td>ND</td><td>0.0010</td><td>EPA 8260D</td><td>12-3-21</td><td>12-3-21</td><td></td></t<>	1,1-Dichloroethene	ND	0.0010	EPA 8260D	12-3-21	12-3-21	
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(trans) 1,2-Dichloroethene ND 0.0010 EPA 8260D 12-3-21 12-3-21 Methyl t-Butyl Ether ND 0.0010 EPA 8260D 12-3-21 12-3-21 1,1-Dichloroethane ND 0.0010 EPA 8260D 12-3-21 12-3-21 Vinyl Acetate ND 0.0050 EPA 8260D 12-3-21 12-3-21 2,2-Dichloropropane ND 0.0010 EPA 8260D 12-3-21 12-3-21 (cis) 1,2-Dichloroethene ND 0.0010 EPA 8260D 12-3-21 12-3-21 2-Butanone ND 0.0050 EPA 8260D 12-3-21 12-3-21 2-Butanone ND 0.0050 EPA 8260D 12-3-21 12-3-21 2-Butanone ND 0.0050 EPA 8260D 12-3-21 12-3-21 2-Butanone ND 0.0010 EPA 8260D 12-3-21 12-3-21 Chloroform ND 0.0010 EPA 8260D 12-3-21 12-3-21 Chloroethane ND 0.0010 EPA 8260D 12-3-21	Carbon Disulfide	ND	0.0010	EPA 8260D	12-3-21	12-3-21	
Methyl t-Butyl Ether ND 0.0010 EPA 8260D 12-3-21 12-3-21 1,1-Dichloroethane ND 0.0010 EPA 8260D 12-3-21 12-3-21 Vinyl Acetate ND 0.0050 EPA 8260D 12-3-21 12-3-21 2,2-Dichloropropane ND 0.0010 EPA 8260D 12-3-21 12-3-21 2,2-Dichloroethene ND 0.0010 EPA 8260D 12-3-21 12-3-21 2,2-Dichloroethene ND 0.0010 EPA 8260D 12-3-21 12-3-21 2,2-Dichloroethene ND 0.0050 EPA 8260D 12-3-21 12-3-21 2,2-Dichloroethene ND 0.0010 EPA 8260D 12-3-21 12-3-21 2-Butanone ND 0.0010 EPA 8260D 12-3-21 12-3-21 2-Butanone ND 0.0010 EPA 8260D 12-3-21 12-3-21 2-Butanone ND 0.0010 EPA 8260D 12-3-21 12-3-21 2-Chloroethane ND 0.0010 EPA 8260D 12-3-21 <td>Methylene Chloride</td> <td>ND</td> <td>0.0050</td> <td>EPA 8260D</td> <td>12-3-21</td> <td>12-3-21</td> <td></td>	Methylene Chloride	ND	0.0050	EPA 8260D	12-3-21	12-3-21	
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Bromochloromethane ND 0.0010 EPA 8260D 12-3-21 12-3-21 Chloroform ND 0.0010 EPA 8260D 12-3-21 12-3-21 1,1,1-Trichloroethane ND 0.0010 EPA 8260D 12-3-21 12-3-21 Carbon Tetrachloride ND 0.0010 EPA 8260D 12-3-21 12-3-21 1,1-Dichloropropene ND 0.0010 EPA 8260D 12-3-21 12-3-21 Benzene ND 0.0010 EPA 8260D 12-3-21 12-3-21 1,2-Dichloroethane ND 0.0010 EPA 8260D 12-3-21 12-3-21 1,2-Dichloropropane ND 0.0010 EPA 8260D 12-3-21 12-3-21 1,2-Dichloropropane ND 0.0010 EPA 8260D 12-3-21 12-3-21 1,2-Dichloropropane ND 0.0010 EPA 8260D 12-3-21 12-3-21 Dibromomethane ND 0.0010 EPA 8260D 12-3-21 12-3-21 2-Chloroethyl Vinyl Ether ND 0.0050 EPA 8260D	(cis) 1,2-Dichloroethene	ND	0.0010	EPA 8260D	12-3-21	12-3-21	
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Benzene ND 0.0010 EPA 8260D 12-3-21 12-3-21 1,2-Dichloroethane ND 0.0010 EPA 8260D 12-3-21 12-3-21 Trichloroethene ND 0.0010 EPA 8260D 12-3-21 12-3-21 1,2-Dichloropropane ND 0.0010 EPA 8260D 12-3-21 12-3-21 Dibromomethane ND 0.0010 EPA 8260D 12-3-21 12-3-21 Bromodichloromethane ND 0.0010 EPA 8260D 12-3-21 12-3-21 2-Chloroethyl Vinyl Ether ND 0.0050 EPA 8260D 12-3-21 12-3-21 (cis) 1,3-Dichloropropene ND 0.0010 EPA 8260D 12-3-21 12-3-21 Methyl Isobutyl Ketone ND 0.0050 EPA 8260D 12-3-21 12-3-21 Toluene ND 0.0050 EPA 8260D 12-3-21 12-3-21	Carbon Tetrachloride	ND	0.0010	EPA 8260D	12-3-21	12-3-21	
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Trichloroethene ND 0.0010 EPA 8260D 12-3-21 12-3-21 1,2-Dichloropropane ND 0.0010 EPA 8260D 12-3-21 12-3-21 Dibromomethane ND 0.0010 EPA 8260D 12-3-21 12-3-21 Bromodichloromethane ND 0.0010 EPA 8260D 12-3-21 12-3-21 2-Chloroethyl Vinyl Ether ND 0.0050 EPA 8260D 12-3-21 12-3-21 (cis) 1,3-Dichloropropene ND 0.0010 EPA 8260D 12-3-21 12-3-21 Methyl Isobutyl Ketone ND 0.0050 EPA 8260D 12-3-21 12-3-21 Toluene ND 0.0050 EPA 8260D 12-3-21 12-3-21	Benzene	ND	0.0010	EPA 8260D	12-3-21	12-3-21	
1,2-Dichloropropane ND 0.0010 EPA 8260D 12-3-21 12-3-21 Dibromomethane ND 0.0010 EPA 8260D 12-3-21 12-3-21 Bromodichloromethane ND 0.0010 EPA 8260D 12-3-21 12-3-21 2-Chloroethyl Vinyl Ether ND 0.0050 EPA 8260D 12-3-21 12-3-21 (cis) 1,3-Dichloropropene ND 0.0010 EPA 8260D 12-3-21 12-3-21 Methyl Isobutyl Ketone ND 0.0050 EPA 8260D 12-3-21 12-3-21 Toluene ND 0.0050 EPA 8260D 12-3-21 12-3-21	1,2-Dichloroethane	ND	0.0010	EPA 8260D	12-3-21	12-3-21	
Dibromomethane ND 0.0010 EPA 8260D 12-3-21 12-3-21 Bromodichloromethane ND 0.0010 EPA 8260D 12-3-21 12-3-21 2-Chloroethyl Vinyl Ether ND 0.0050 EPA 8260D 12-3-21 12-3-21 (cis) 1,3-Dichloropropene ND 0.0010 EPA 8260D 12-3-21 12-3-21 Methyl Isobutyl Ketone ND 0.0050 EPA 8260D 12-3-21 12-3-21 Toluene ND 0.0050 EPA 8260D 12-3-21 12-3-21	Trichloroethene	ND	0.0010	EPA 8260D	12-3-21	12-3-21	
Bromodichloromethane ND 0.0010 EPA 8260D 12-3-21 12-3-21 2-Chloroethyl Vinyl Ether ND 0.0050 EPA 8260D 12-3-21 12-3-21 (cis) 1,3-Dichloropropene ND 0.0010 EPA 8260D 12-3-21 12-3-21 Methyl Isobutyl Ketone ND 0.0050 EPA 8260D 12-3-21 12-3-21 Toluene ND 0.0050 EPA 8260D 12-3-21 12-3-21	1,2-Dichloropropane	ND	0.0010	EPA 8260D	12-3-21	12-3-21	
2-Chloroethyl Vinyl Ether ND 0.0050 EPA 8260D 12-3-21 12-3-21 (cis) 1,3-Dichloropropene ND 0.0010 EPA 8260D 12-3-21 12-3-21 Methyl Isobutyl Ketone ND 0.0050 EPA 8260D 12-3-21 12-3-21 Toluene ND 0.0050 EPA 8260D 12-3-21 12-3-21	Dibromomethane	ND	0.0010	EPA 8260D	12-3-21	12-3-21	
(cis) 1,3-Dichloropropene ND 0.0010 EPA 8260D 12-3-21 12-3-21 Methyl Isobutyl Ketone ND 0.0050 EPA 8260D 12-3-21 12-3-21 Toluene ND 0.0050 EPA 8260D 12-3-21 12-3-21	Bromodichloromethane	ND	0.0010	EPA 8260D	12-3-21	12-3-21	
(cis) 1,3-Dichloropropene ND 0.0010 EPA 8260D 12-3-21 12-3-21 Methyl Isobutyl Ketone ND 0.0050 EPA 8260D 12-3-21 12-3-21 Toluene ND 0.0050 EPA 8260D 12-3-21 12-3-21	2-Chloroethyl Vinyl Ether	ND	0.0050	EPA 8260D	12-3-21	12-3-21	
Methyl Isobutyl Ketone ND 0.0050 EPA 8260D 12-3-21 12-3-21 Toluene ND 0.0050 EPA 8260D 12-3-21 12-3-21	(cis) 1,3-Dichloropropene	ND	0.0010	EPA 8260D	12-3-21	12-3-21	
Toluene ND 0.0050 EPA 8260D 12-3-21 12-3-21	Methyl Isobutyl Ketone	ND	0.0050	EPA 8260D	12-3-21	12-3-21	
(trans) 1,3-Dichloropropene ND 0.0010 EPA 8260D 12-3-21 12-3-21	Toluene	ND	0.0050	EPA 8260D	12-3-21	12-3-21	
	(trans) 1,3-Dichloropropene	ND	0.0010	EPA 8260D	12-3-21	12-3-21	

Date of Report: December 6, 2021 Samples Submitted: December 3, 2021 Laboratory Reference: 2112-041

Project: 060172

VOLATILE ORGANICS EPA 8260D QUALITY CONTROL

page 2 of 2

				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1203S1					
1,1,2-Trichloroethane	ND	0.0010	EPA 8260D	12-3-21	12-3-21	
Tetrachloroethene	ND	0.0010	EPA 8260D	12-3-21	12-3-21	
1,3-Dichloropropane	ND	0.0010	EPA 8260D	12-3-21	12-3-21	
2-Hexanone	ND	0.0050	EPA 8260D	12-3-21	12-3-21	
Dibromochloromethane	ND	0.0010	EPA 8260D	12-3-21	12-3-21	
1,2-Dibromoethane	ND	0.0010	EPA 8260D	12-3-21	12-3-21	
Chlorobenzene	ND	0.0010	EPA 8260D	12-3-21	12-3-21	
1,1,1,2-Tetrachloroethane	ND	0.0010	EPA 8260D	12-3-21	12-3-21	
Ethylbenzene	ND	0.0010	EPA 8260D	12-3-21	12-3-21	
m,p-Xylene	ND	0.0020	EPA 8260D	12-3-21	12-3-21	
o-Xylene	ND	0.0010	EPA 8260D	12-3-21	12-3-21	
Styrene	ND	0.0010	EPA 8260D	12-3-21	12-3-21	
Bromoform	ND	0.0050	EPA 8260D	12-3-21	12-3-21	
Isopropylbenzene	ND	0.0010	EPA 8260D	12-3-21	12-3-21	
Bromobenzene	ND	0.0010	EPA 8260D	12-3-21	12-3-21	
1,1,2,2-Tetrachloroethane	ND	0.0010	EPA 8260D	12-3-21	12-3-21	
1,2,3-Trichloropropane	ND	0.0010	EPA 8260D	12-3-21	12-3-21	
n-Propylbenzene	ND	0.0010	EPA 8260D	12-3-21	12-3-21	
2-Chlorotoluene	ND	0.0010	EPA 8260D	12-3-21	12-3-21	
4-Chlorotoluene	ND	0.0010	EPA 8260D	12-3-21	12-3-21	
1,3,5-Trimethylbenzene	ND	0.0010	EPA 8260D	12-3-21	12-3-21	
tert-Butylbenzene	ND	0.0010	EPA 8260D	12-3-21	12-3-21	
1,2,4-Trimethylbenzene	ND	0.0010	EPA 8260D	12-3-21	12-3-21	
sec-Butylbenzene	ND	0.0010	EPA 8260D	12-3-21	12-3-21	
1,3-Dichlorobenzene	ND	0.0010	EPA 8260D	12-3-21	12-3-21	
p-Isopropyltoluene	ND	0.0010	EPA 8260D	12-3-21	12-3-21	
1,4-Dichlorobenzene	ND	0.0010	EPA 8260D	12-3-21	12-3-21	
1,2-Dichlorobenzene	ND	0.0010	EPA 8260D	12-3-21	12-3-21	
n-Butylbenzene	ND	0.0010	EPA 8260D	12-3-21	12-3-21	
1,2-Dibromo-3-chloropropane	e ND	0.0050	EPA 8260D	12-3-21	12-3-21	
1,2,4-Trichlorobenzene	ND	0.0010	EPA 8260D	12-3-21	12-3-21	
Hexachlorobutadiene	ND	0.0050	EPA 8260D	12-3-21	12-3-21	
Naphthalene	ND	0.0050	EPA 8260D	12-3-21	12-3-21	
1,2,3-Trichlorobenzene	ND	0.0010	EPA 8260D	12-3-21	12-3-21	
Surrogate:	Percent Recovery	Control Limits		-	•	
Dibromofluoromethane	99	74-131				
T. I 10	101	70.400				

4-Bromofluorobenzene

Toluene-d8

78-128

71-130

101

99

Date of Report: December 6, 2021 Samples Submitted: December 3, 2021 Laboratory Reference: 2112-041 Project: 060172

VOLATILE ORGANICS EPA 8260D QUALITY CONTROL

Matrix: Soil Units: mg/kg

					Per	cent	Recovery		RPD	
Analyte	Result		Spike Level		Reco	Recovery		RPD	Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB12	03S1								
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	0.0462	0.0473	0.0500	0.0500	92	95	71-131	2	19	
Benzene	0.0471	0.0477	0.0500	0.0500	94	95	73-124	1	18	
Trichloroethene	0.0548	0.0558	0.0500	0.0500	110	112	79-130	2	18	
Toluene	0.0505	0.0513	0.0500	0.0500	101	103	76-123	2	18	
Chlorobenzene	0.0541	0.0546	0.0500	0.0500	108	109	78-122	1	18	
Surrogate:										
Dibromofluoromethane					100	99	74-131			
Toluene-d8					100	101	78-128			
4-Bromofluorobenzene					100	101	71-130			

Date of Report: December 6, 2021 Samples Submitted: December 3, 2021 Laboratory Reference: 2112-041 Project: 060172

% MOISTURE

			Date
Client ID	Lab ID	% Moisture	Analyzed
CB-4A-6-120321	12-041-01	9	12-3-21
CB-2A-3-120321	12-041-02	13	12-3-21
CB-2A-18-120321	12-041-03	17	12-3-21



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.
- 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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		Clictor	

Received

Relinquished

Reviewed/Date

Reviewed/Date

Data Package: Standard | Level III |

Level IV

Chromatograms with final report $\ \square$ Electronic Data Deliverables (EDDs) $\ \square$

Received Relinquished Received Relinquished

Company

ASpect

2 Takety

12/3/2 1740

12/3/21 1240

Comments/Special Instructions



January 14, 2022

Jeremy Porter Aspect Consulting Dexter Horton Building 710 2nd Avenue, Suite 550 Seattle, WA 98104

Re: Analytical Data for Project 060172

Laboratory Reference No. 2201-077

Dear Jeremy:

Enclosed are the analytical results and associated quality control data for samples submitted on January 11, 2022.

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,

David Baumeister Project Manager

Enclosures



Project: 060172

Case Narrative

Samples were collected on January 10 and 11, 2022 and received by the laboratory on January 11, 2022. 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.

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.

GASOLINE RANGE ORGANICS NWTPH-Gx

Matrix: Soil

Units: mg/kg (ppm)

			Date	Date	
Result	PQL	Method	Prepared	Analyzed	Flags
CB-08-19.5-011022					
01-077-02					
ND	8.3	NWTPH-Gx	1-12-22	1-12-22	
Percent Recovery	Control Limits				
109	66-129				
CB-08-27-011022					
01-077-03					
ND	5.0	NWTPH-Gx	1-12-22	1-12-22	
Percent Recovery	Control Limits				
109	66-129				
CB-14-20-011022					
01-077-04					
ND	5.4	NWTPH-Gx	1-12-22	1-12-22	
Percent Recovery	Control Limits				
112	66-129				
CB-14-22-011022					
01-077-05					
ND	5.8	NWTPH-Gx	1-12-22	1-12-22	
Percent Recovery	Control Limits				
110	66-129				
CB-14-24.5-011022					
01-077-06					
ND	6.4	NWTPH-Gx	1-12-22	1-12-22	
Percent Recovery	Control Limits				
113	66-129				
	CB-08-19.5-011022	CB-08-19.5-011022 ND 8.3 Percent Recovery 109 Control Limits 66-129 CB-08-27-011022 01-077-03 Control Limits 66-129 ND 5.0 Percent Recovery 109 Control Limits 66-129 CB-14-20-011022 01-077-04 Control Limits 66-129 ND 5.4 Percent Recovery 112 Control Limits 66-129 CB-14-22-011022 01-077-05 Control Limits 66-129 CB-14-24.5-011022 01-077-06 Control Limits ND ND 6.4 Percent Recovery Control Limits Control Limits Control Limits Control Limits Control Limits Control Limits Control Limits	CB-08-19.5-011022 ND 8.3 NWTPH-Gx Percent Recovery 109 Control Limits 66-129 CB-08-27-011022 O1-077-03 ND 5.0 NWTPH-Gx Percent Recovery 109 Control Limits 66-129 CB-14-20-011022 01-077-04 ND 5.4 NWTPH-Gx Percent Recovery 112 Control Limits 66-129 CB-14-22-011022 01-077-05 ND 5.8 NWTPH-Gx Percent Recovery 110 Control Limits 66-129 CB-14-24.5-011022 01-077-06 ND 6.4 NWTPH-Gx Percent Recovery Percent Recovery 10 Control Limits 66-129 NWTPH-Gx	Result PQL Method Prepared CB-08-19.5-011022 01-077-02 8.3 NWTPH-Gx 1-12-22 ND 8.3 NWTPH-Gx 1-12-22 Percent Recovery 109 66-129 1-12-22 Percent Recovery 109 Control Limits 66-129 1-12-22 CB-14-20-011022 01-077-04 NWTPH-Gx 1-12-22 Percent Recovery 112 Control Limits 66-129 1-12-22 CB-14-22-011022 01-077-05 NWTPH-Gx 1-12-22 Percent Recovery 110 Control Limits 66-129 1-12-22 CB-14-24.5-011022 01-077-06 ND 6.4 NWTPH-Gx 1-12-22 Percent Recovery Percent Recovery Control Limits 1-12-22	Result PQL Method Prepared Analyzed CB-08-19.5-011022 01-077-02 01-077-02 1-12-22 1-12-22 ND 8.3 NWTPH-Gx 1-12-22 1-12-22 Percent Recovery 109 66-129 06-129 01-077-03 0.0 NWTPH-Gx 1-12-22 1-12-22 Percent Recovery 109 66-129 06-129 01-077-04 0.0<

GASOLINE RANGE ORGANICS NWTPH-Gx QUALITY CONTROL

Matrix: Soil

Units: mg/kg (ppm)

Angluto	Result	PQL	Method	Date	Date	Flogo
Analyte METHOD BLANK	Result	PQL	Metriou	Prepared	Analyzed	Flags
WEI HOD BLANK						
Laboratory ID:	MB0112S1					
Gasoline	ND	5.0	NWTPH-Gx	1-12-22	1-12-22	
Surrogate:	Percent Recovery	Control Limits				
Fluorobenzene	99	66-129				

Analyte	Res	sult	Spike	Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE										
Laboratory ID:	01-08	34-03								
	ORIG	DUP								
Gasoline	ND	ND	NA	NA		NA	NA	NA	30	
Surrogate:										
Fluorobenzene						96 102	66-129			

VOLATILE ORGANICS EPA 8260D

page 1 of 2

Matrix: Soil Units: mg/kg

Analyte	Result	PQL	Method	Duamanad		
		. ~=	Metriou	Prepared	Analyzed	Flags
Client ID: CB-	08-19.5-011022					
Laboratory ID:	01-077-02					
Dichlorodifluoromethane	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
Chloromethane	ND	0.0058	EPA 8260D	1-12-22	1-12-22	
Vinyl Chloride	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
Bromomethane	ND	0.0058	EPA 8260D	1-12-22	1-12-22	
Chloroethane	ND	0.0058	EPA 8260D	1-12-22	1-12-22	
Trichlorofluoromethane	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
1,1-Dichloroethene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
Acetone	0.15	0.012	EPA 8260D	1-12-22	1-12-22	
Iodomethane	ND	0.0058	EPA 8260D	1-12-22	1-12-22	
Carbon Disulfide	0.0051	0.0012	EPA 8260D	1-12-22	1-12-22	
Methylene Chloride	ND	0.0058	EPA 8260D	1-12-22	1-12-22	
(trans) 1,2-Dichloroethene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
Methyl t-Butyl Ether	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
1,1-Dichloroethane	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
Vinyl Acetate	ND	0.0058	EPA 8260D	1-12-22	1-12-22	
2,2-Dichloropropane	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
(cis) 1,2-Dichloroethene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
2-Butanone	0.028	0.0058	EPA 8260D	1-12-22	1-12-22	
Bromochloromethane	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
Chloroform	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
1,1,1-Trichloroethane	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
Carbon Tetrachloride	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
1,1-Dichloropropene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
Benzene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
1,2-Dichloroethane	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
Trichloroethene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
1,2-Dichloropropane	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
Dibromomethane	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
Bromodichloromethane	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
2-Chloroethyl Vinyl Ether	ND	0.0058	EPA 8260D	1-12-22	1-12-22	
(cis) 1,3-Dichloropropene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
Methyl Isobutyl Ketone	ND	0.0058	EPA 8260D	1-12-22	1-12-22	
Toluene	ND	0.0058	EPA 8260D	1-12-22	1-12-22	
(trans) 1,3-Dichloropropene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	

VOLATILE ORGANICS EPA 8260D

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
	CB-08-19.5-011022	. 42	motriou	Tioparoa	Analyzou	ı iugu
Laboratory ID:	01-077-02					
1,1,2-Trichloroethane	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
Tetrachloroethene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
1,3-Dichloropropane	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
2-Hexanone	ND	0.0058	EPA 8260D	1-12-22	1-12-22	
Dibromochloromethane	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
1,2-Dibromoethane	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
Chlorobenzene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
1,1,1,2-Tetrachloroethane	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
Ethylbenzene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
m,p-Xylene	ND	0.0023	EPA 8260D	1-12-22	1-12-22	
o-Xylene	ND	0.0023	EPA 8260D	1-12-22	1-12-22	
Styrene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
Bromoform	ND	0.0058	EPA 8260D	1-12-22	1-12-22	
Isopropylbenzene	ND	0.0038	EPA 8260D	1-12-22	1-12-22	
Bromobenzene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
1,1,2,2-Tetrachloroethane	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
1,2,3-Trichloropropane	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
n-Propylbenzene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
2-Chlorotoluene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
4-Chlorotoluene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
1,3,5-Trimethylbenzene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
tert-Butylbenzene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
1,2,4-Trimethylbenzene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
sec-Butylbenzene	ND ND	0.0012	EPA 8260D	1-12-22	1-12-22	
1,3-Dichlorobenzene	ND ND	0.0012	EPA 8260D	1-12-22	1-12-22	
	ND ND	0.0012	EPA 8260D	1-12-22	1-12-22	
p-Isopropyltoluene 1,4-Dichlorobenzene	ND ND	0.0012	EPA 8260D	1-12-22	1-12-22	
1,2-Dichlorobenzene	ND ND	0.0012	EPA 8260D	1-12-22	1-12-22	
	ND ND	0.0012	EPA 8260D EPA 8260D	1-12-22 1-12-22	1-12-22	
n-Butylbenzene 1,2-Dibromo-3-chloropropan		0.0012	EPA 8260D EPA 8260D	1-12-22 1-12-22	1-12-22	
1,2,4-Trichlorobenzene	e ND ND	0.0056	EPA 8260D EPA 8260D	1-12-22 1-12-22	1-12-22	
Hexachlorobutadiene	ND ND	0.0012	EPA 8260D EPA 8260D		1-12-22	
				1-12-22		
Naphthalene	ND ND	0.0058	EPA 8260D	1-12-22	1-12-22	
1,2,3-Trichlorobenzene	ND Paraent Reservant	0.0012	EPA 8260D	1-12-22	1-12-22	
Surrogate:	Percent Recovery	Control Limits				
Dibromofluoromethane	101	74-131				
Toluene-d8	104	78-128				

4-Bromofluorobenzene 102 71-130



VOLATILE ORGANICS EPA 8260D

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Matrix: Soil Units: mg/kg

				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	CB-08-27-011022					
Laboratory ID:	01-077-03					
Dichlorodifluoromethane	ND	0.00097	EPA 8260D	1-12-22	1-12-22	
Chloromethane	ND	0.0048	EPA 8260D	1-12-22	1-12-22	
Vinyl Chloride	ND	0.00097	EPA 8260D	1-12-22	1-12-22	
Bromomethane	ND	0.0048	EPA 8260D	1-12-22	1-12-22	
Chloroethane	ND	0.0048	EPA 8260D	1-12-22	1-12-22	
Trichlorofluoromethane	ND	0.00097	EPA 8260D	1-12-22	1-12-22	
1,1-Dichloroethene	ND	0.00097	EPA 8260D	1-12-22	1-12-22	
Acetone	0.15	0.0097	EPA 8260D	1-12-22	1-12-22	
lodomethane	ND	0.0048	EPA 8260D	1-12-22	1-12-22	
Carbon Disulfide	ND	0.00097	EPA 8260D	1-12-22	1-12-22	
Methylene Chloride	ND	0.0048	EPA 8260D	1-12-22	1-12-22	
(trans) 1,2-Dichloroethene	ND	0.00097	EPA 8260D	1-12-22	1-12-22	
Methyl t-Butyl Ether	ND	0.00097	EPA 8260D	1-12-22	1-12-22	
1,1-Dichloroethane	ND	0.00097	EPA 8260D	1-12-22	1-12-22	
Vinyl Acetate	ND	0.0048	EPA 8260D	1-12-22	1-12-22	
2,2-Dichloropropane	ND	0.00097	EPA 8260D	1-12-22	1-12-22	
(cis) 1,2-Dichloroethene	ND	0.00097	EPA 8260D	1-12-22	1-12-22	
2-Butanone	0.030	0.0048	EPA 8260D	1-12-22	1-12-22	
Bromochloromethane	ND	0.00097	EPA 8260D	1-12-22	1-12-22	
Chloroform	ND	0.00097	EPA 8260D	1-12-22	1-12-22	
1,1,1-Trichloroethane	ND	0.00097	EPA 8260D	1-12-22	1-12-22	
Carbon Tetrachloride	ND	0.00097	EPA 8260D	1-12-22	1-12-22	
1,1-Dichloropropene	ND	0.00097	EPA 8260D	1-12-22	1-12-22	
Benzene	ND	0.00097	EPA 8260D	1-12-22	1-12-22	
1,2-Dichloroethane	ND	0.00097	EPA 8260D	1-12-22	1-12-22	
Trichloroethene	ND	0.00097	EPA 8260D	1-12-22	1-12-22	
1,2-Dichloropropane	ND	0.00097	EPA 8260D	1-12-22	1-12-22	
Dibromomethane	ND	0.00097	EPA 8260D	1-12-22	1-12-22	
Bromodichloromethane	ND	0.00097	EPA 8260D	1-12-22	1-12-22	
2-Chloroethyl Vinyl Ether	ND	0.0048	EPA 8260D	1-12-22	1-12-22	
(cis) 1,3-Dichloropropene	ND	0.00097	EPA 8260D	1-12-22	1-12-22	
Methyl Isobutyl Ketone	ND	0.0048	EPA 8260D	1-12-22	1-12-22	
Toluene	ND	0.0048	EPA 8260D	1-12-22	1-12-22	
(trans) 1,3-Dichloropropene		0.00097	EPA 8260D	1-12-22	1-12-22	

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				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	CB-08-27-011022					
Laboratory ID:	01-077-03					
1,1,2-Trichloroethane	ND	0.00097	EPA 8260D	1-12-22	1-12-22	
Tetrachloroethene	ND	0.00097	EPA 8260D	1-12-22	1-12-22	
1,3-Dichloropropane	ND	0.00097	EPA 8260D	1-12-22	1-12-22	
2-Hexanone	ND	0.0048	EPA 8260D	1-12-22	1-12-22	
Dibromochloromethane	ND	0.00097	EPA 8260D	1-12-22	1-12-22	
1,2-Dibromoethane	ND	0.00097	EPA 8260D	1-12-22	1-12-22	
Chlorobenzene	ND	0.00097	EPA 8260D	1-12-22	1-12-22	
1,1,1,2-Tetrachloroethane	ND	0.00097	EPA 8260D	1-12-22	1-12-22	
Ethylbenzene	ND	0.00097	EPA 8260D	1-12-22	1-12-22	
m,p-Xylene	ND	0.0019	EPA 8260D	1-12-22	1-12-22	
o-Xylene	ND	0.00097	EPA 8260D	1-12-22	1-12-22	
Styrene	ND	0.00097	EPA 8260D	1-12-22	1-12-22	
Bromoform	ND	0.0048	EPA 8260D	1-12-22	1-12-22	
Isopropylbenzene	ND	0.00097	EPA 8260D	1-12-22	1-12-22	
Bromobenzene	ND	0.00097	EPA 8260D	1-12-22	1-12-22	
1,1,2,2-Tetrachloroethane	ND	0.00097	EPA 8260D	1-12-22	1-12-22	
1,2,3-Trichloropropane	ND	0.00097	EPA 8260D	1-12-22	1-12-22	
n-Propylbenzene	ND	0.00097	EPA 8260D	1-12-22	1-12-22	
2-Chlorotoluene	ND	0.00097	EPA 8260D	1-12-22	1-12-22	
4-Chlorotoluene	ND	0.00097	EPA 8260D	1-12-22	1-12-22	
1,3,5-Trimethylbenzene	ND	0.00097	EPA 8260D	1-12-22	1-12-22	
tert-Butylbenzene	ND	0.00097	EPA 8260D	1-12-22	1-12-22	
1,2,4-Trimethylbenzene	ND	0.00097	EPA 8260D	1-12-22	1-12-22	
sec-Butylbenzene	ND	0.00097	EPA 8260D	1-12-22	1-12-22	
1,3-Dichlorobenzene	ND	0.00097	EPA 8260D	1-12-22	1-12-22	
p-Isopropyltoluene	0.0011	0.00097	EPA 8260D	1-12-22	1-12-22	
1,4-Dichlorobenzene	ND	0.00097	EPA 8260D	1-12-22	1-12-22	
1,2-Dichlorobenzene	ND	0.00097	EPA 8260D	1-12-22	1-12-22	
n-Butylbenzene	ND	0.00097	EPA 8260D	1-12-22	1-12-22	
1,2-Dibromo-3-chloropropane	e ND	0.0048	EPA 8260D	1-12-22	1-12-22	
1,2,4-Trichlorobenzene	ND	0.00097	EPA 8260D	1-12-22	1-12-22	
Hexachlorobutadiene	ND	0.0048	EPA 8260D	1-12-22	1-12-22	
Naphthalene	0.015	0.0048	EPA 8260D	1-12-22	1-12-22	
1,2,3-Trichlorobenzene	ND	0.00097	EPA 8260D	1-12-22	1-12-22	
Surrogate:	Percent Recovery	Control Limits				
Dibromofluoromethane	102	74-131				
Toluene-d8	103	78-128				
4-Bromofluorobenzene	103	71-130				

VOLATILE ORGANICS EPA 8260D

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Matrix: Soil Units: mg/kg

				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	CB-13-24.5-011022					
Laboratory ID:	01-077-07					
Dichlorodifluoromethane	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
Chloromethane	ND	0.0060	EPA 8260D	1-12-22	1-12-22	
Vinyl Chloride	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
Bromomethane	ND	0.0060	EPA 8260D	1-12-22	1-12-22	
Chloroethane	ND	0.0060	EPA 8260D	1-12-22	1-12-22	
Trichlorofluoromethane	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
1,1-Dichloroethene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
Acetone	0.098	0.012	EPA 8260D	1-12-22	1-12-22	
lodomethane	ND	0.0060	EPA 8260D	1-12-22	1-12-22	
Carbon Disulfide	0.0043	0.0012	EPA 8260D	1-12-22	1-12-22	
Methylene Chloride	ND	0.0060	EPA 8260D	1-12-22	1-12-22	
(trans) 1,2-Dichloroethene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
Methyl t-Butyl Ether	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
1,1-Dichloroethane	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
Vinyl Acetate	ND	0.0060	EPA 8260D	1-12-22	1-12-22	
2,2-Dichloropropane	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
(cis) 1,2-Dichloroethene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
2-Butanone	0.014	0.0060	EPA 8260D	1-12-22	1-12-22	
Bromochloromethane	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
Chloroform	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
1,1,1-Trichloroethane	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
Carbon Tetrachloride	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
1,1-Dichloropropene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
Benzene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
1,2-Dichloroethane	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
Trichloroethene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
1,2-Dichloropropane	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
Dibromomethane	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
Bromodichloromethane	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
2-Chloroethyl Vinyl Ether	ND	0.0060	EPA 8260D	1-12-22	1-12-22	
(cis) 1,3-Dichloropropene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
Methyl Isobutyl Ketone	ND	0.0060	EPA 8260D	1-12-22	1-12-22	
Toluene	ND	0.0060	EPA 8260D	1-12-22	1-12-22	
(trans) 1,3-Dichloropropene	e ND	0.0012	EPA 8260D	1-12-22	1-12-22	

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Client ID:	Analyta	Result	PQL	Method	Date	Date	Elogo
Laboratory ID:			PQL	Metriou	Prepared	Analyzed	Flags
1,1,2-Trichloroethane							
Tetrachloroethene			0.0012	EDA 9260D	1 10 00	1 10 00	
1,3-Dichloropropane							
Part Part							
Dibromochloromethane							
Chlorobenzene							
1,1,1,2-Tetrachloroethane							
Ethylbenzene							
N_D							
Styrene							
Styrene ND 0.0012 EPA 8260D 1-12-22	•						
Second ND 0.0060 EPA 8260D 1-12-22	-						
Sopropylbenzene ND 0.0012 EPA 8260D 1-12-22							
Sammobenzene ND 0.0012 EPA 8260D 1-12-22 1-12-22 1.1							
1,1,2,2-Tetrachloroethane							
1,2,3-Trichloropropane							
1-Propy benzene							
2-Chlorotoluene ND 0.0012 EPA 8260D 1-12-22 1-12-22 1-3,5-Trimethylbenzene ND 0.0012 EPA 8260D 1-12-22 1-12-22 1-12-22 1-3,5-Trimethylbenzene ND 0.0012 EPA 8260D 1-12-22 1-12-22 1-12-22 1-3,5-Trimethylbenzene ND 0.0012 EPA 8260D 1-12-22 1-12-22 1-3,4-Trimethylbenzene ND 0.0012 EPA 8260D 1-12-22 1-3,2-22 1-3,3-Dichlorobenzene ND 0.0012 EPA 8260D 1-12-22 1-3,3-Dichlorobenzene ND 0.0012 EPA 8260D 1-12-22 1-3,3-Dichlorobenzene ND 0.0012 EPA 8260D 1-3,2-22 1-3,3-Dichlorobenzene ND 0.0012 EPA 8260D 1-3,2-22 1-3,2-22 1-3,3-Dichlorobenzene ND 0.0012 EPA 8260D 1-3,2-22 1-3,2-22 1-3,3-Dichlorobenzene ND 0.0012 EPA 8260D 1-3,2-22 1-3,2-22 1-3,3-Dichlorobenzene ND 0.0012 EPA 8260D 1-3,2-22							
A-Chlorotoluene ND 0.0012 EPA 8260D 1-12-22 1-	n-Propylbenzene		0.0012	EPA 8260D		1-12-22	
1,3,5-Trimethylbenzene ND 0.0012 EPA 8260D 1-12-22 1-12-22 1,2,4-Trimethylbenzene ND 0.0012 EPA 8260D 1-12-22 1-12-22 1,2,4-Trimethylbenzene ND 0.0012 EPA 8260D 1-12-22 1-12-22 1,3-Dichlorobenzene ND 0.0012 EPA 8260D 1-12-22 1-12-22 1,3-Dichlorobenzene ND 0.0012 EPA 8260D 1-12-22 1-12-22 1,4-Dichlorobenzene ND 0.0012 EPA 8260D 1-12-22 1-12-22 1,4-Dichlorobenzene ND 0.0012 EPA 8260D 1-12-22 1-12-22 1,2-Dichlorobenzene ND 0.0012 EPA 8260D 1-12-22 1-12-22 1,2-Dichlorobenzene ND 0.0012 EPA 8260D 1-12-22 1-12-22 1,2-Dibromo-3-chloropropane ND 0.0060 EPA 8260D 1-12-22 1-12-22 1,2,4-Trichlorobenzene ND 0.0012 EPA 8260D 1-12-22 1-12-22 1,2,4-Trichlorobenzene ND 0.0012 EPA 8260D 1-12-22 1-12-22 1,2,3-Trichlorobenzene ND 0.0060 EPA 8260D 1-12-22 1-12-22 1,2,3-Trichlorobenzene ND 0.0012 EPA 8260D 1-12-22 1-12-22 1,2,3-Trichlo	2-Chlorotoluene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
ert-Butylbenzene ND 0.0012 EPA 8260D 1-12-22 1	1-Chlorotoluene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
Seec-Butylbenzene	ert-Butylbenzene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
1,3-Dichlorobenzene ND 0.0012 EPA 8260D 1-12-22 1-12-22 1,4-Dichlorobenzene ND 0.0012 EPA 8260D 1-12-22 1-12-22 1,4-Dichlorobenzene ND 0.0012 EPA 8260D 1-12-22 1-12-22 1,2-Dichlorobenzene ND 0.0012 EPA 8260D 1-12-22 1-12-22 n-Butylbenzene ND 0.0012 EPA 8260D 1-12-22 1-12-22 1,2-Dibromo-3-chloropropane ND 0.0060 EPA 8260D 1-12-22 1-12-22 1,2,4-Trichlorobenzene ND 0.0012 EPA 8260D 1-12-22 1-12-22 Hexachlorobutadiene ND 0.0060 EPA 8260D 1-12-22 1-12-22 Naphthalene ND 0.0060 EPA 8260D 1-12-22 1-12-22 Surrogate: Percent Recovery Control Limits Dibromofluoromethane 103 74-131 Toluene-d8 100 78-128	1,2,4-Trimethylbenzene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
ND 0.0012 EPA 8260D 1-12-22	sec-Butylbenzene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
1,4-Dichlorobenzene ND 0.0012 EPA 8260D 1-12-22 1-12-22 1,2-Dichlorobenzene ND 0.0012 EPA 8260D 1-12-22 1-12-22 n-Butylbenzene ND 0.0012 EPA 8260D 1-12-22 1-12-22 1,2-Dibromo-3-chloropropane ND 0.0060 EPA 8260D 1-12-22 1-12-22 1,2,4-Trichlorobenzene ND 0.0012 EPA 8260D 1-12-22 1-12-22 Hexachlorobutadiene ND 0.0060 EPA 8260D 1-12-22 1-12-22 Naphthalene ND 0.0060 EPA 8260D 1-12-22 1-12-22 1,2,3-Trichlorobenzene ND 0.0012 EPA 8260D 1-12-22 1-12-22 Surrogate: Percent Recovery Control Limits Dibromofluoromethane 103 74-131 Toluene-d8 100 78-128	1,3-Dichlorobenzene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
1,2-Dichlorobenzene	o-Isopropyltoluene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
ND 0.0012 EPA 8260D 1-12-22	1,4-Dichlorobenzene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
1,2-Dibromo-3-chloropropane ND 0.0060 EPA 8260D 1-12-22 1-12-22 1,2,4-Trichlorobenzene ND 0.0012 EPA 8260D 1-12-22 1-12-22 Hexachlorobutadiene ND 0.0060 EPA 8260D 1-12-22 1-12-22 Naphthalene ND 0.0060 EPA 8260D 1-12-22 1-12-22 1,2,3-Trichlorobenzene ND 0.0012 EPA 8260D 1-12-22 1-12-22 Surrogate: Percent Recovery Control Limits Dibromofluoromethane 103 74-131 Toluene-d8 100 78-128	1,2-Dichlorobenzene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
1,2,4-Trichlorobenzene ND 0.0012 EPA 8260D 1-12-22 1-12-22 Hexachlorobutadiene ND 0.0060 EPA 8260D 1-12-22 1-12-22 Naphthalene ND 0.0060 EPA 8260D 1-12-22 1-12-22 1,2,3-Trichlorobenzene ND 0.0012 EPA 8260D 1-12-22 1-12-22 Surrogate: Percent Recovery Control Limits Dibromofluoromethane 103 74-131 Toluene-d8 100 78-128	n-Butylbenzene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
Hexachlorobutadiene ND 0.0060 EPA 8260D 1-12-22 1-12-22 Naphthalene ND 0.0060 EPA 8260D 1-12-22 1-12-22 1,2,3-Trichlorobenzene ND 0.0012 EPA 8260D 1-12-22 1-12-22 Surrogate: Percent Recovery Control Limits Dibromofluoromethane 103 74-131 Toluene-d8 100 78-128	1,2-Dibromo-3-chloropropan	e ND	0.0060	EPA 8260D	1-12-22	1-12-22	
Naphthalene ND 0.0060 EPA 8260D 1-12-22 1-12-22 1,2,3-Trichlorobenzene ND 0.0012 EPA 8260D 1-12-22 1-12-22 Surrogate: Percent Recovery Control Limits Dibromofluoromethane 103 74-131 Toluene-d8 100 78-128	1,2,4-Trichlorobenzene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
1,2,3-Trichlorobenzene ND 0.0012 EPA 8260D 1-12-22 1-12-22 Surrogate: Percent Recovery Control Limits Dibromofluoromethane 103 74-131 Toluene-d8 100 78-128	Hexachlorobutadiene	ND	0.0060	EPA 8260D	1-12-22	1-12-22	
Surrogate: Percent Recovery Control Limits Dibromofluoromethane 103 74-131 Toluene-d8 100 78-128	Naphthalene	ND	0.0060	EPA 8260D	1-12-22	1-12-22	
Surrogate: Percent Recovery Control Limits Dibromofluoromethane 103 74-131 Toluene-d8 100 78-128	1,2,3-Trichlorobenzene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
Dibromofluoromethane 103 74-131 Toluene-d8 100 78-128		Percent Recovery					
Toluene-d8 100 78-128		•					
	Toluene-d8		78-128				
	1-Bromofluorobenzene	99	71-130				

Project: 060172

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Matrix: Soil Units: mg/kg

				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	CB-06-24-011122					
Laboratory ID:	01-077-08					
Dichlorodifluoromethane	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
Chloromethane	ND	0.0059	EPA 8260D	1-12-22	1-12-22	
Vinyl Chloride	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
Bromomethane	ND	0.0059	EPA 8260D	1-12-22	1-12-22	
Chloroethane	ND	0.0059	EPA 8260D	1-12-22	1-12-22	
Trichlorofluoromethane	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
1,1-Dichloroethene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
Acetone	0.21	0.012	EPA 8260D	1-12-22	1-12-22	
lodomethane	ND	0.0059	EPA 8260D	1-12-22	1-12-22	
Carbon Disulfide	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
Methylene Chloride	ND	0.0059	EPA 8260D	1-12-22	1-12-22	
(trans) 1,2-Dichloroethene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
Methyl t-Butyl Ether	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
1,1-Dichloroethane	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
Vinyl Acetate	ND	0.0059	EPA 8260D	1-12-22	1-12-22	
2,2-Dichloropropane	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
(cis) 1,2-Dichloroethene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
2-Butanone	0.038	0.0059	EPA 8260D	1-12-22	1-12-22	
Bromochloromethane	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
Chloroform	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
1,1,1-Trichloroethane	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
Carbon Tetrachloride	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
1,1-Dichloropropene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
Benzene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
1,2-Dichloroethane	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
Trichloroethene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
1,2-Dichloropropane	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
Dibromomethane	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
Bromodichloromethane	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
2-Chloroethyl Vinyl Ether	ND	0.0059	EPA 8260D	1-12-22	1-12-22	
(cis) 1,3-Dichloropropene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
Methyl Isobutyl Ketone	ND	0.0059	EPA 8260D	1-12-22	1-12-22	
Toluene	ND	0.0059	EPA 8260D	1-12-22	1-12-22	
(trans) 1,3-Dichloropropene		0.0012	EPA 8260D	1-12-22	1-12-22	

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				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	CB-06-24-011122					
Laboratory ID:	01-077-08					
1,1,2-Trichloroethane	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
Tetrachloroethene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
1,3-Dichloropropane	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
2-Hexanone	ND	0.0059	EPA 8260D	1-12-22	1-12-22	
Dibromochloromethane	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
1,2-Dibromoethane	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
Chlorobenzene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
1,1,1,2-Tetrachloroethane	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
Ethylbenzene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
m,p-Xylene	ND	0.0023	EPA 8260D	1-12-22	1-12-22	
o-Xylene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
Styrene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
Bromoform	ND	0.0059	EPA 8260D	1-12-22	1-12-22	
Isopropylbenzene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
Bromobenzene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
1,1,2,2-Tetrachloroethane	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
1,2,3-Trichloropropane	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
n-Propylbenzene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
2-Chlorotoluene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
4-Chlorotoluene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
1,3,5-Trimethylbenzene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
tert-Butylbenzene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
1,2,4-Trimethylbenzene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
sec-Butylbenzene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
1,3-Dichlorobenzene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
p-Isopropyltoluene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
1,4-Dichlorobenzene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
1,2-Dichlorobenzene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
n-Butylbenzene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
1,2-Dibromo-3-chloropropane	e ND	0.0059	EPA 8260D	1-12-22	1-12-22	
1,2,4-Trichlorobenzene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
Hexachlorobutadiene	ND	0.0059	EPA 8260D	1-12-22	1-12-22	
Naphthalene	0.037	0.0059	EPA 8260D	1-12-22	1-12-22	
1,2,3-Trichlorobenzene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
Surrogate:	Percent Recovery	Control Limits				
Dibromofluoromethane	103	74-131				
Toluene-d8	102	78-128				
4-Bromofluorobenzene	96	71-130				

VOLATILE ORGANICS EPA 8260D

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Matrix: Soil Units: mg/kg

Client ID:					Date	Date	
Laboratory ID: 01-077-09 Dichlorodiffluoromethane ND 0.0011 EPA 8260D 1-12-22 1-12-22 Chloromethane ND 0.0053 EPA 8260D 1-12-22 1-12-22 Vinyl Chloride ND 0.0053 EPA 8260D 1-12-22 1-12-22 Bromomethane ND 0.0053 EPA 8260D 1-12-22 1-12-22 Chloroethane ND 0.0011 EPA 8260D 1-12-22 1-12-22 Trichlorofluoromethane ND 0.0011 EPA 8260D 1-12-22 1-12-22 1,1-Dichloroethene ND 0.0011 EPA 8260D 1-12-22 1-12-22 Acetone 0.49 0.011 EPA 8260D 1-12-22 1-12-22 Iodomethane ND 0.0053 EPA 8260D 1-12-22 1-12-22 Methylene Chloride ND 0.0011 EPA 8260D 1-12-22 1-12-22 Methylene Chloride ND 0.0011 EPA 8260D 1-12-22 1-12-22 Methylene Chloride N	Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Dichlorodifluoromethane	Client ID:	CB-07-15.5-011122					
Chloromethane ND 0.0053 EPA 8260D 1-12-22 1-12-22 Vinyl Chloride ND 0.0011 EPA 8260D 1-12-22 1-12-22 Bromomethane ND 0.0053 EPA 8260D 1-12-22 1-12-22 Chloroethane ND 0.0053 EPA 8260D 1-12-22 1-12-22 Trichlorofluoromethane ND 0.0011 EPA 8260D 1-12-22 1-12-22 1,1-Dichloroethene ND 0.0011 EPA 8260D 1-12-22 1-12-22 Acetone 0.49 0.011 EPA 8260D 1-12-22 1-12-22 Iodomethane ND 0.0053 EPA 8260D 1-12-22 1-12-22 Carbon Disulfide ND 0.0011 EPA 8260D 1-12-22 1-12-22 Methylene Chloride ND 0.0011 EPA 8260D 1-12-22 1-12-22 Methylene Chloride ND 0.0011 EPA 8260D 1-12-22 1-12-22 Methyle Edwyl Ether ND 0.0011 EPA 8260D 1-12-22	Laboratory ID:	01-077-09					
Vinyl Chloride ND 0.0011 EPA 8260D 1-12-22 1-12-22 Bromomethane ND 0.0053 EPA 8260D 1-12-22 1-12-22 Chloroethane ND 0.0053 EPA 8260D 1-12-22 1-12-22 Tricklorofluoromethane ND 0.0011 EPA 8260D 1-12-22 1-12-22 1,1-Dichloroethene ND 0.0011 EPA 8260D 1-12-22 1-12-22 Acetone 0.49 0.011 EPA 8260D 1-12-22 1-12-22 Icarbon Disulfide ND 0.0053 EPA 8260D 1-12-22 1-12-22 Methylene Chloride ND 0.0053 EPA 8260D 1-12-22 1-12-22 Methylene Chloride ND 0.0053 EPA 8260D 1-12-22 1-12-22 Methylene Chloride ND 0.0011 EPA 8260D 1-12-22 1-12-22 Methyler Ether ND 0.0011 EPA 8260D 1-12-22 1-12-22 Methyl Ebury Ether ND 0.0011 EPA 8260D 1-12-22	Dichlorodifluoromethane	ND	0.0011	EPA 8260D	1-12-22	1-12-22	
Bromomethane ND 0.0053 EPA 8260D 1-12-22 1-1	Chloromethane	ND	0.0053	EPA 8260D	1-12-22	1-12-22	
Chloroethane ND 0.0053 EPA 8260D 1-12-22 1-12-22 Trichlorofluoromethane ND 0.0011 EPA 8260D 1-12-22 1-12-22 1,1-Dichloroethene ND 0.0011 EPA 8260D 1-12-22 1-12-22 Acetone 0.49 0.011 EPA 8260D 1-12-22 1-12-22 Iodomethane ND 0.0053 EPA 8260D 1-12-22 1-12-22 Carbon Disulfide ND 0.0011 EPA 8260D 1-12-22 1-12-22 Methylene Chloride ND 0.0053 EPA 8260D 1-12-22 1-12-22 Methylene Chloride ND 0.0011 EPA 8260D 1-12-22 1-12-22 Methylene Chloride ND 0.0011 EPA 8260D 1-12-22 1-12-22 Methylene Chloride ND 0.0011 EPA 8260D 1-12-22 1-12-22 Methyle Ether ND 0.0011 EPA 8260D 1-12-22 1-12-22 1,1-Dichloroethane ND 0.0011 EPA 8260D 1-12-2	Vinyl Chloride	ND	0.0011	EPA 8260D	1-12-22	1-12-22	
Trichlorofluoromethane ND 0.0011 EPA 8260D 1-12-22 1-12-22 1,1-Dichloroethene ND 0.0011 EPA 8260D 1-12-22 1-12-22 Acetone 0.49 0.011 EPA 8260D 1-12-22 1-12-22 Iodomethane ND 0.0053 EPA 8260D 1-12-22 1-12-22 Carbon Disulfide ND 0.0053 EPA 8260D 1-12-22 1-12-22 Methylene Chloride ND 0.0053 EPA 8260D 1-12-22 1-12-22 Methylene Chloride ND 0.0053 EPA 8260D 1-12-22 1-12-22 Methyl t-Butyl Ether ND 0.0011 EPA 8260D 1-12-22 1-12-22 Methyl t-Butyl Ether ND 0.0011 EPA 8260D 1-12-22 1-12-22 Methyl t-Butyl Ether ND 0.0011 EPA 8260D 1-12-22 1-12-22 Vinyl Acetate ND 0.0011 EPA 8260D 1-12-22 1-12-22 Q-2-Dichloroethane ND 0.0011 EPA 8260D	Bromomethane	ND	0.0053	EPA 8260D	1-12-22	1-12-22	
1,1-Dichloroethene ND 0.0011 EPA 8260D 1-12-22 1-12-22 Acetone 0.49 0.011 EPA 8260D 1-12-22 1-12-22 Iodomethane ND 0.0053 EPA 8260D 1-12-22 1-12-22 Methylene Chloride ND 0.0011 EPA 8260D 1-12-22 1-12-22 Methylene Chloride ND 0.0011 EPA 8260D 1-12-22 1-12-22 (trans) 1,2-Dichloroethene ND 0.0011 EPA 8260D 1-12-22 1-12-22 Methyl I-Butyl Ether ND 0.0011 EPA 8260D 1-12-22 1-12-22 Methyl I-Butyl Ether ND 0.0011 EPA 8260D 1-12-22 1-12-22 Minyl Acetate ND 0.0053 EPA 8260D 1-12-22 1-12-22 1,1-Dichloroethane ND 0.0053 EPA 8260D 1-12-22 1-12-22 (cis) 1,2-Dichloroethane ND 0.0011 EPA 8260D 1-12-22 1-12-22 2-Butanone 0.056 0.0053 EPA 8260D	Chloroethane	ND	0.0053	EPA 8260D	1-12-22	1-12-22	
Acetone 0.49 0.011 EPA 8260D 1-12-22 1-12-22 lodomethane ND 0.0053 EPA 8260D 1-12-22 1-12-22 1-12-22 Carbon Disulfide ND 0.0053 EPA 8260D 1-12-22 1-12-22 (Itrans) 1,2-Dichloroethene ND 0.0053 EPA 8260D 1-12-22 1-12-22 (Itrans) 1,2-Dichloroethene ND 0.0011 EPA 8260D 1-12-22 1-12-22 (Itrans) 1,2-Dichloroethene ND 0.0011 EPA 8260D 1-12-22 1-12-22 (Itrans) 1,2-Dichloroethene ND 0.0011 EPA 8260D 1-12-22 1-12-22 (Itrans) 1,2-Dichloroethane ND 0.0011 EPA 8260D 1-12-22 1-12-22 (Itrans) 1,2-Dichloroethane ND 0.0011 EPA 8260D 1-12-22 1-12-22 (Itrans) 1,2-Dichloroethene ND 0.0053 EPA 8260D 1-12-22 1-12-22 (Itrans) 1,2-Dichloroethene ND 0.0011 EPA 8260D 1-12-22 1-12-22 (Itrans) 1,2-Dichloroethene ND 0.0011 EPA 8260D 1-12-22 1-12-22 (Itrans) 1,2-Dichloroethane ND 0.0011 EPA 8260D 1-12-22 1-12-22 (Itrans) 1,1-Trichloroethane ND 0.0011 EPA 8260D 1-12-22 1-12-22 (Itrans) 1,1-Trichloroethane ND 0.0011 EPA 8260D 1-12-22 1-12-22 (Itrans) 1,1-Trichloroethane ND 0.0011 EPA 8260D 1-12-22 1-12-22 (Itrans) 1,1-Dichloroethane ND 0.	Trichlorofluoromethane	ND	0.0011	EPA 8260D	1-12-22	1-12-22	
ND	1,1-Dichloroethene	ND	0.0011	EPA 8260D	1-12-22	1-12-22	
Carbon Disulfide ND 0.0011 EPA 8260D 1-12-22 1-12-22 Methylene Chloride ND 0.0053 EPA 8260D 1-12-22 1-12-22 Methyl t-Butyl Ether ND 0.0011 EPA 8260D 1-12-22 1-12-22 Methyl t-Butyl Ether ND 0.0011 EPA 8260D 1-12-22 1-12-22 I,1-Dichloroethane ND 0.0011 EPA 8260D 1-12-22 1-12-22 Vinyl Acetate ND 0.0053 EPA 8260D 1-12-22 1-12-22 2,2-Dichloropropane ND 0.0011 EPA 8260D 1-12-22 1-12-22 2,2-Dichloroptopapane ND 0.0011 EPA 8260D 1-12-22 1-12-22 2,2-Dichloroptopapane ND 0.0011 EPA 8260D 1-12-22 1-12-22 2,2-Dichloroptopapane ND 0.0011 EPA 8260D 1-12-22 1-12-22 2-Butanone 0.056 0.0053 EPA 8260D 1-12-22 1-12-22 2-Butone ND 0.0011 EPA 8260D	Acetone	0.49	0.011	EPA 8260D	1-12-22	1-12-22	
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(trans) 1,2-Dichloroethene ND 0.0011 EPA 8260D 1-12-22 1-12-22 Methyl t-Butyl Ether ND 0.0011 EPA 8260D 1-12-22 1-12-22 1,1-Dichloroethane ND 0.0011 EPA 8260D 1-12-22 1-12-22 Vinyl Acetate ND 0.0053 EPA 8260D 1-12-22 1-12-22 2,2-Dichloropropane ND 0.0011 EPA 8260D 1-12-22 1-12-22 (cis) 1,2-Dichloroethene ND 0.0011 EPA 8260D 1-12-22 1-12-22 2-Butanone 0.056 0.0053 EPA 8260D 1-12-22 1-12-22 2-Butanone 0.056 0.0053 EPA 8260D 1-12-22 1-12-22 2-Butanone 0.056 0.0053 EPA 8260D 1-12-22 1-12-22 Bromochloromethane ND 0.0011 EPA 8260D 1-12-22 1-12-22 Chloroform ND 0.0011 EPA 8260D 1-12-22 1-12-22 Chloroform ND 0.0011 EPA 8260D <td< td=""><td>Carbon Disulfide</td><td>ND</td><td>0.0011</td><td>EPA 8260D</td><td>1-12-22</td><td>1-12-22</td><td></td></td<>	Carbon Disulfide	ND	0.0011	EPA 8260D	1-12-22	1-12-22	
Methyl t-Butyl Ether ND 0.0011 EPA 8260D 1-12-22 1-12-22 1,1-Dichloroethane ND 0.0011 EPA 8260D 1-12-22 1-12-22 Vinyl Acetate ND 0.0053 EPA 8260D 1-12-22 1-12-22 2,2-Dichloropropane ND 0.0011 EPA 8260D 1-12-22 1-12-22 2,2-Dichloroethene ND 0.0011 EPA 8260D 1-12-22 1-12-22 2,2-Bitanone 0.056 0.0053 EPA 8260D 1-12-22 1-12-22 2-Butanone 0.056 0.0053 EPA 8260D 1-12-22 1-12-22 2-Bromochloromethane ND 0.0011 EPA 8260D 1-12-22 1-12-22 Bromochloromethane ND 0.0011 EPA 8260D 1-12-22 1-12-22 Chloroform ND 0.0011 EPA 8260D 1-12-22 1-12-22 1,1,1-Trichloroethane ND 0.0011 EPA 8260D 1-12-22 1-12-22 1,1-Dichloropropene ND 0.0011 EPA 8260D	Methylene Chloride	ND	0.0053	EPA 8260D	1-12-22	1-12-22	
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Vinyl Acetate ND 0.0053 EPA 8260D 1-12-22 1-12-22 2,2-Dichloropropane ND 0.0011 EPA 8260D 1-12-22 1-12-22 (cis) 1,2-Dichloroethene ND 0.0011 EPA 8260D 1-12-22 1-12-22 2-Butanone 0.056 0.0053 EPA 8260D 1-12-22 1-12-22 Bromochloromethane ND 0.0011 EPA 8260D 1-12-22 1-12-22 Chloroform ND 0.0011 EPA 8260D 1-12-22 1-12-22 Chloroform ND 0.0011 EPA 8260D 1-12-22 1-12-22 Chloroform ND 0.0011 EPA 8260D 1-12-22 1-12-22 1,1,1-Trichloroethane ND 0.0011 EPA 8260D 1-12-22 1-12-22 Carbon Tetrachloride ND 0.0011 EPA 8260D 1-12-22 1-12-22 1,1-Dichloropropene ND 0.0011 EPA 8260D 1-12-22 1-12-22 Benzene ND 0.0011 EPA 8260D 1-12-22	Methyl t-Butyl Ether	ND	0.0011	EPA 8260D	1-12-22	1-12-22	
2,2-Dichloropropane ND 0.0011 EPA 8260D 1-12-22 1-12-22 (cis) 1,2-Dichloroethene ND 0.0011 EPA 8260D 1-12-22 1-12-22 2-Butanone 0.056 0.0053 EPA 8260D 1-12-22 1-12-22 Bromochloromethane ND 0.0011 EPA 8260D 1-12-22 1-12-22 Chloroform ND 0.0011 EPA 8260D 1-12-22 1-12-22 Chloroform ND 0.0011 EPA 8260D 1-12-22 1-12-22 1,1,1-Trichloroethane ND 0.0011 EPA 8260D 1-12-22 1-12-22 Carbon Tetrachloride ND 0.0011 EPA 8260D 1-12-22 1-12-22 1,1-Dichloropropene ND 0.0011 EPA 8260D 1-12-22 1-12-22 1,2-Dichloroethane ND 0.0011 EPA 8260D 1-12-22 1-12-22 1,2-Dichloropropane ND 0.0011 EPA 8260D 1-12-22 1-12-22 1,2-Dichloropropane ND 0.0011 EPA 8260D <td>1,1-Dichloroethane</td> <td>ND</td> <td>0.0011</td> <td>EPA 8260D</td> <td>1-12-22</td> <td>1-12-22</td> <td></td>	1,1-Dichloroethane	ND	0.0011	EPA 8260D	1-12-22	1-12-22	
(cis) 1,2-Dichloroethene ND 0.0011 EPA 8260D 1-12-22 1-12-22 2-Butanone 0.056 0.0053 EPA 8260D 1-12-22 1-12-22 Bromochloromethane ND 0.0011 EPA 8260D 1-12-22 1-12-22 Chloroform ND 0.0011 EPA 8260D 1-12-22 1-12-22 1,1,1-Trichloroethane ND 0.0011 EPA 8260D 1-12-22 1-12-22 Carbon Tetrachloride ND 0.0011 EPA 8260D 1-12-22 1-12-22 1,1-Dichloropropene ND 0.0011 EPA 8260D 1-12-22 1-12-22 1,1-Dichloropropene ND 0.0011 EPA 8260D 1-12-22 1-12-22 1,2-Dichloroethane ND 0.0011 EPA 8260D 1-12-22 1-12-22 1,2-Dichloropropane ND 0.0011 EPA 8260D 1-12-22 1-12-22 1,2-Dichloropropane ND 0.0011 EPA 8260D 1-12-22 1-12-22 Bromodichloromethane ND 0.0011 EPA	Vinyl Acetate	ND	0.0053	EPA 8260D	1-12-22	1-12-22	
2-Butanone 0.056 0.0053 EPA 8260D 1-12-22 1-12-22 Bromochloromethane ND 0.0011 EPA 8260D 1-12-22 1-12-22 Chloroform ND 0.0011 EPA 8260D 1-12-22 1-12-22 1,1,1-Trichloroethane ND 0.0011 EPA 8260D 1-12-22 1-12-22 Carbon Tetrachloride ND 0.0011 EPA 8260D 1-12-22 1-12-22 1,1-Dichloropropene ND 0.0011 EPA 8260D 1-12-22 1-12-22 1,1-Dichloropropene ND 0.0011 EPA 8260D 1-12-22 1-12-22 1,2-Dichloroethane ND 0.0011 EPA 8260D 1-12-22 1-12-22 1,2-Dichloroptopane ND 0.0011 EPA 8260D 1-12-22 1-12-22 1,2-Dichloropropane ND 0.0011 EPA 8260D 1-12-22 1-12-22 Dibromodethane ND 0.0011 EPA 8260D 1-12-22 1-12-22 Bromodichloromethane ND 0.0011 EPA 8260D <td>2,2-Dichloropropane</td> <td>ND</td> <td>0.0011</td> <td>EPA 8260D</td> <td>1-12-22</td> <td>1-12-22</td> <td></td>	2,2-Dichloropropane	ND	0.0011	EPA 8260D	1-12-22	1-12-22	
Bromochloromethane ND 0.0011 EPA 8260D 1-12-22 1-12-22 Chloroform ND 0.0011 EPA 8260D 1-12-22 1-12-22 1,1,1-Trichloroethane ND 0.0011 EPA 8260D 1-12-22 1-12-22 Carbon Tetrachloride ND 0.0011 EPA 8260D 1-12-22 1-12-22 1,1-Dichloropropene ND 0.0011 EPA 8260D 1-12-22 1-12-22 Benzene ND 0.0011 EPA 8260D 1-12-22 1-12-22 1,2-Dichloroethane ND 0.0011 EPA 8260D 1-12-22 1-12-22 Trichloroethene ND 0.0011 EPA 8260D 1-12-22 1-12-22 1,2-Dichloropropane ND 0.0011 EPA 8260D 1-12-22 1-12-22 Dibromomethane ND 0.0011 EPA 8260D 1-12-22 1-12-22 Bromodichloromethane ND 0.0053 EPA 8260D 1-12-22 1-12-22 2-Chloroethyl Vinyl Ether ND 0.0053 EPA 8260D	(cis) 1,2-Dichloroethene	ND	0.0011	EPA 8260D	1-12-22	1-12-22	
Chloroform ND 0.0011 EPA 8260D 1-12-22 1-12-22 1,1,1-Trichloroethane ND 0.0011 EPA 8260D 1-12-22 1-12-22 Carbon Tetrachloride ND 0.0011 EPA 8260D 1-12-22 1-12-22 1,1-Dichloropropene ND 0.0011 EPA 8260D 1-12-22 1-12-22 Benzene ND 0.0011 EPA 8260D 1-12-22 1-12-22 1,2-Dichloroethane ND 0.0011 EPA 8260D 1-12-22 1-12-22 Trichloroethene ND 0.0011 EPA 8260D 1-12-22 1-12-22 1,2-Dichloropropane ND 0.0011 EPA 8260D 1-12-22 1-12-22 1,2-Dichloropropane ND 0.0011 EPA 8260D 1-12-22 1-12-22 Dibromomethane ND 0.0011 EPA 8260D 1-12-22 1-12-22 2-Chloroethyl Vinyl Ether ND 0.0053 EPA 8260D 1-12-22 1-12-22 Methyl Isobutyl Ketone ND 0.0053 EPA 8260D	2-Butanone	0.056	0.0053	EPA 8260D	1-12-22	1-12-22	
1,1,1-Trichloroethane ND 0.0011 EPA 8260D 1-12-22 1-12-22 Carbon Tetrachloride ND 0.0011 EPA 8260D 1-12-22 1-12-22 1,1-Dichloropropene ND 0.0011 EPA 8260D 1-12-22 1-12-22 Benzene ND 0.0011 EPA 8260D 1-12-22 1-12-22 1,2-Dichloroethane ND 0.0011 EPA 8260D 1-12-22 1-12-22 Trichloroethene ND 0.0011 EPA 8260D 1-12-22 1-12-22 1,2-Dichloropropane ND 0.0011 EPA 8260D 1-12-22 1-12-22 Dibromomethane ND 0.0011 EPA 8260D 1-12-22 1-12-22 Bromodichloromethane ND 0.0011 EPA 8260D 1-12-22 1-12-22 2-Chloroethyl Vinyl Ether ND 0.0053 EPA 8260D 1-12-22 1-12-22 (cis) 1,3-Dichloropropene ND 0.0053 EPA 8260D 1-12-22 1-12-22 Methyl Isobutyl Ketone ND 0.0053 EPA 8260D 1-12-22 1-12-22 Toluene ND <	Bromochloromethane	ND	0.0011	EPA 8260D	1-12-22	1-12-22	
Carbon Tetrachloride ND 0.0011 EPA 8260D 1-12-22 1-12-22 1,1-Dichloropropene ND 0.0011 EPA 8260D 1-12-22 1-12-22 Benzene ND 0.0011 EPA 8260D 1-12-22 1-12-22 1,2-Dichloroethane ND 0.0011 EPA 8260D 1-12-22 1-12-22 Trichloroethene ND 0.0011 EPA 8260D 1-12-22 1-12-22 1,2-Dichloropropane ND 0.0011 EPA 8260D 1-12-22 1-12-22 Dibromomethane ND 0.0011 EPA 8260D 1-12-22 1-12-22 Bromodichloromethane ND 0.0011 EPA 8260D 1-12-22 1-12-22 2-Chloroethyl Vinyl Ether ND 0.0053 EPA 8260D 1-12-22 1-12-22 (cis) 1,3-Dichloropropene ND 0.0053 EPA 8260D 1-12-22 1-12-22 Methyl Isobutyl Ketone ND 0.0053 EPA 8260D 1-12-22 1-12-22 Toluene ND 0.0053 EPA 8260D <td>Chloroform</td> <td>ND</td> <td>0.0011</td> <td>EPA 8260D</td> <td>1-12-22</td> <td>1-12-22</td> <td></td>	Chloroform	ND	0.0011	EPA 8260D	1-12-22	1-12-22	
1,1-Dichloropropene ND 0.0011 EPA 8260D 1-12-22 1-12-22 Benzene ND 0.0011 EPA 8260D 1-12-22 1-12-22 1,2-Dichloroethane ND 0.0011 EPA 8260D 1-12-22 1-12-22 Trichloroethene ND 0.0011 EPA 8260D 1-12-22 1-12-22 1,2-Dichloropropane ND 0.0011 EPA 8260D 1-12-22 1-12-22 Dibromomethane ND 0.0011 EPA 8260D 1-12-22 1-12-22 Bromodichloromethane ND 0.0011 EPA 8260D 1-12-22 1-12-22 2-Chloroethyl Vinyl Ether ND 0.0053 EPA 8260D 1-12-22 1-12-22 (cis) 1,3-Dichloropropene ND 0.0011 EPA 8260D 1-12-22 1-12-22 Methyl Isobutyl Ketone ND 0.0053 EPA 8260D 1-12-22 1-12-22 Toluene ND 0.0053 EPA 8260D 1-12-22 1-12-22	1,1,1-Trichloroethane	ND	0.0011	EPA 8260D	1-12-22	1-12-22	
Benzene ND 0.0011 EPA 8260D 1-12-22 1-12-22 1,2-Dichloroethane ND 0.0011 EPA 8260D 1-12-22 1-12-22 Trichloroethene ND 0.0011 EPA 8260D 1-12-22 1-12-22 1,2-Dichloropropane ND 0.0011 EPA 8260D 1-12-22 1-12-22 Dibromomethane ND 0.0011 EPA 8260D 1-12-22 1-12-22 Bromodichloromethane ND 0.0011 EPA 8260D 1-12-22 1-12-22 2-Chloroethyl Vinyl Ether ND 0.0053 EPA 8260D 1-12-22 1-12-22 (cis) 1,3-Dichloropropene ND 0.0011 EPA 8260D 1-12-22 1-12-22 Methyl Isobutyl Ketone ND 0.0053 EPA 8260D 1-12-22 1-12-22 Toluene ND 0.0053 EPA 8260D 1-12-22 1-12-22	Carbon Tetrachloride	ND	0.0011	EPA 8260D	1-12-22	1-12-22	
1,2-Dichloroethane ND 0.0011 EPA 8260D 1-12-22 1-12-22 Trichloroethene ND 0.0011 EPA 8260D 1-12-22 1-12-22 1,2-Dichloropropane ND 0.0011 EPA 8260D 1-12-22 1-12-22 Dibromomethane ND 0.0011 EPA 8260D 1-12-22 1-12-22 Bromodichloromethane ND 0.0011 EPA 8260D 1-12-22 1-12-22 2-Chloroethyl Vinyl Ether ND 0.0053 EPA 8260D 1-12-22 1-12-22 (cis) 1,3-Dichloropropene ND 0.0011 EPA 8260D 1-12-22 1-12-22 Methyl Isobutyl Ketone ND 0.0053 EPA 8260D 1-12-22 1-12-22 Toluene ND 0.0053 EPA 8260D 1-12-22 1-12-22	1,1-Dichloropropene	ND	0.0011	EPA 8260D	1-12-22	1-12-22	
Trichloroethene ND 0.0011 EPA 8260D 1-12-22 1-12-22 1,2-Dichloropropane ND 0.0011 EPA 8260D 1-12-22 1-12-22 Dibromomethane ND 0.0011 EPA 8260D 1-12-22 1-12-22 Bromodichloromethane ND 0.0011 EPA 8260D 1-12-22 1-12-22 2-Chloroethyl Vinyl Ether ND 0.0053 EPA 8260D 1-12-22 1-12-22 (cis) 1,3-Dichloropropene ND 0.0011 EPA 8260D 1-12-22 1-12-22 Methyl Isobutyl Ketone ND 0.0053 EPA 8260D 1-12-22 1-12-22 Toluene ND 0.0053 EPA 8260D 1-12-22 1-12-22	Benzene	ND	0.0011	EPA 8260D	1-12-22	1-12-22	
1,2-Dichloropropane ND 0.0011 EPA 8260D 1-12-22 1-12-22 Dibromomethane ND 0.0011 EPA 8260D 1-12-22 1-12-22 Bromodichloromethane ND 0.0011 EPA 8260D 1-12-22 1-12-22 2-Chloroethyl Vinyl Ether ND 0.0053 EPA 8260D 1-12-22 1-12-22 (cis) 1,3-Dichloropropene ND 0.0011 EPA 8260D 1-12-22 1-12-22 Methyl Isobutyl Ketone ND 0.0053 EPA 8260D 1-12-22 1-12-22 Toluene ND 0.0053 EPA 8260D 1-12-22 1-12-22	1,2-Dichloroethane	ND	0.0011	EPA 8260D	1-12-22	1-12-22	
Dibromomethane ND 0.0011 EPA 8260D 1-12-22 1-12-22 Bromodichloromethane ND 0.0011 EPA 8260D 1-12-22 1-12-22 2-Chloroethyl Vinyl Ether ND 0.0053 EPA 8260D 1-12-22 1-12-22 (cis) 1,3-Dichloropropene ND 0.0011 EPA 8260D 1-12-22 1-12-22 Methyl Isobutyl Ketone ND 0.0053 EPA 8260D 1-12-22 1-12-22 Toluene ND 0.0053 EPA 8260D 1-12-22 1-12-22	Trichloroethene	ND	0.0011	EPA 8260D	1-12-22	1-12-22	
Bromodichloromethane ND 0.0011 EPA 8260D 1-12-22 1-12-22 2-Chloroethyl Vinyl Ether ND 0.0053 EPA 8260D 1-12-22 1-12-22 (cis) 1,3-Dichloropropene ND 0.0011 EPA 8260D 1-12-22 1-12-22 Methyl Isobutyl Ketone ND 0.0053 EPA 8260D 1-12-22 1-12-22 Toluene ND 0.0053 EPA 8260D 1-12-22 1-12-22	1,2-Dichloropropane	ND	0.0011	EPA 8260D	1-12-22	1-12-22	
2-Chloroethyl Vinyl Ether ND 0.0053 EPA 8260D 1-12-22 1-12-22 (cis) 1,3-Dichloropropene ND 0.0011 EPA 8260D 1-12-22 1-12-22 Methyl Isobutyl Ketone ND 0.0053 EPA 8260D 1-12-22 1-12-22 Toluene ND 0.0053 EPA 8260D 1-12-22 1-12-22	Dibromomethane	ND	0.0011	EPA 8260D	1-12-22	1-12-22	
(cis) 1,3-Dichloropropene ND 0.0011 EPA 8260D 1-12-22 1-12-22 Methyl Isobutyl Ketone ND 0.0053 EPA 8260D 1-12-22 1-12-22 Toluene ND 0.0053 EPA 8260D 1-12-22 1-12-22	Bromodichloromethane	ND	0.0011	EPA 8260D	1-12-22	1-12-22	
Methyl Isobutyl Ketone ND 0.0053 EPA 8260D 1-12-22 1-12-22 Toluene ND 0.0053 EPA 8260D 1-12-22 1-12-22	2-Chloroethyl Vinyl Ether	ND	0.0053	EPA 8260D	1-12-22	1-12-22	
Toluene ND 0.0053 EPA 8260D 1-12-22 1-12-22	(cis) 1,3-Dichloropropene	ND	0.0011	EPA 8260D	1-12-22	1-12-22	
	Methyl Isobutyl Ketone	ND	0.0053	EPA 8260D	1-12-22	1-12-22	
(trans) 1,3-Dichloropropene ND 0.0011 EPA 8260D 1-12-22 1-12-22	Toluene	ND	0.0053	EPA 8260D	1-12-22	1-12-22	
	(trans) 1,3-Dichloropropene	e ND	0.0011	EPA 8260D	1-12-22	1-12-22	

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				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	CB-07-15.5-011122					
Laboratory ID:	01-077-09					
1,1,2-Trichloroethane	ND	0.0011	EPA 8260D	1-12-22	1-12-22	
Tetrachloroethene	0.014	0.0011	EPA 8260D	1-12-22	1-12-22	
1,3-Dichloropropane	ND	0.0011	EPA 8260D	1-12-22	1-12-22	
2-Hexanone	ND	0.0053	EPA 8260D	1-12-22	1-12-22	
Dibromochloromethane	ND	0.0011	EPA 8260D	1-12-22	1-12-22	
1,2-Dibromoethane	ND	0.0011	EPA 8260D	1-12-22	1-12-22	
Chlorobenzene	ND	0.0011	EPA 8260D	1-12-22	1-12-22	
1,1,1,2-Tetrachloroethane	ND	0.0011	EPA 8260D	1-12-22	1-12-22	
Ethylbenzene	ND	0.0011	EPA 8260D	1-12-22	1-12-22	
m,p-Xylene	ND	0.0021	EPA 8260D	1-12-22	1-12-22	
o-Xylene	ND	0.0011	EPA 8260D	1-12-22	1-12-22	
Styrene	ND	0.0011	EPA 8260D	1-12-22	1-12-22	
Bromoform	ND	0.0053	EPA 8260D	1-12-22	1-12-22	
sopropylbenzene	ND	0.0011	EPA 8260D	1-12-22	1-12-22	
Bromobenzene	ND	0.0011	EPA 8260D	1-12-22	1-12-22	
1,1,2,2-Tetrachloroethane	ND	0.0011	EPA 8260D	1-12-22	1-12-22	
1,2,3-Trichloropropane	ND	0.0011	EPA 8260D	1-12-22	1-12-22	
n-Propylbenzene	ND	0.0011	EPA 8260D	1-12-22	1-12-22	
2-Chlorotoluene	ND	0.0011	EPA 8260D	1-12-22	1-12-22	
4-Chlorotoluene	ND	0.0011	EPA 8260D	1-12-22	1-12-22	
1,3,5-Trimethylbenzene	ND	0.0011	EPA 8260D	1-12-22	1-12-22	
ert-Butylbenzene	ND	0.0011	EPA 8260D	1-12-22	1-12-22	
1,2,4-Trimethylbenzene	ND	0.0011	EPA 8260D	1-12-22	1-12-22	
sec-Butylbenzene	ND	0.0011	EPA 8260D	1-12-22	1-12-22	
1,3-Dichlorobenzene	ND	0.0011	EPA 8260D	1-12-22	1-12-22	
o-Isopropyltoluene	ND	0.0011	EPA 8260D	1-12-22	1-12-22	
1,4-Dichlorobenzene	ND	0.0011	EPA 8260D	1-12-22	1-12-22	
1,2-Dichlorobenzene	ND	0.0011	EPA 8260D	1-12-22	1-12-22	
n-Butylbenzene	ND	0.0011	EPA 8260D	1-12-22	1-12-22	
1,2-Dibromo-3-chloropropan	e ND	0.0053	EPA 8260D	1-12-22	1-12-22	
1,2,4-Trichlorobenzene	ND	0.0011	EPA 8260D	1-12-22	1-12-22	
-lexachlorobutadiene	ND	0.0053	EPA 8260D	1-12-22	1-12-22	
Naphthalene	0.042	0.0053	EPA 8260D	1-12-22	1-12-22	
1,2,3-Trichlorobenzene	ND	0.0011	EPA 8260D	1-12-22	1-12-22	
Surrogate:	Percent Recovery	Control Limits				
Dibromofluoromethane	105	74-131				
Toluene-d8	102	78-128				
TOTACTIC-UU	102	10-120				

4-Bromofluorobenzene 98 71-130

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Matrix: Soil Units: mg/kg

Office. Hig/Ng				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	CB-07-19-011122					
Laboratory ID:	01-077-10					
Dichlorodifluoromethane	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
Chloromethane	ND	0.0060	EPA 8260D	1-12-22	1-12-22	
Vinyl Chloride	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
Bromomethane	ND	0.0060	EPA 8260D	1-12-22	1-12-22	
Chloroethane	ND	0.0060	EPA 8260D	1-12-22	1-12-22	
Trichlorofluoromethane	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
1,1-Dichloroethene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
Acetone	0.31	0.012	EPA 8260D	1-12-22	1-12-22	
lodomethane	ND	0.0060	EPA 8260D	1-12-22	1-12-22	
Carbon Disulfide	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
Methylene Chloride	ND	0.0060	EPA 8260D	1-12-22	1-12-22	
(trans) 1,2-Dichloroethene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
Methyl t-Butyl Ether	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
1,1-Dichloroethane	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
Vinyl Acetate	ND	0.0060	EPA 8260D	1-12-22	1-12-22	
2,2-Dichloropropane	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
(cis) 1,2-Dichloroethene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
2-Butanone	0.050	0.0060	EPA 8260D	1-12-22	1-12-22	
Bromochloromethane	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
Chloroform	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
1,1,1-Trichloroethane	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
Carbon Tetrachloride	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
1,1-Dichloropropene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
Benzene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
1,2-Dichloroethane	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
Trichloroethene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
1,2-Dichloropropane	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
Dibromomethane	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
Bromodichloromethane	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
2-Chloroethyl Vinyl Ether	ND	0.0060	EPA 8260D	1-12-22	1-12-22	
(cis) 1,3-Dichloropropene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
Methyl Isobutyl Ketone	ND	0.0060	EPA 8260D	1-12-22	1-12-22	
Toluene	ND	0.0060	EPA 8260D	1-12-22	1-12-22	
(trans) 1,3-Dichloropropene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	

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				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	CB-07-19-011122					
Laboratory ID:	01-077-10					
1,1,2-Trichloroethane	ND	0.0012	EPA 8260D	1-12-22	1-12-22	_
Tetrachloroethene	0.0013	0.0012	EPA 8260D	1-12-22	1-12-22	
1,3-Dichloropropane	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
2-Hexanone	ND	0.0060	EPA 8260D	1-12-22	1-12-22	
Dibromochloromethane	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
1,2-Dibromoethane	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
Chlorobenzene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
1,1,1,2-Tetrachloroethane	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
Ethylbenzene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
m,p-Xylene	ND	0.0024	EPA 8260D	1-12-22	1-12-22	
o-Xylene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
Styrene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
Bromoform	ND	0.0060	EPA 8260D	1-12-22	1-12-22	
Isopropylbenzene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
Bromobenzene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
1,1,2,2-Tetrachloroethane	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
1,2,3-Trichloropropane	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
n-Propylbenzene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
2-Chlorotoluene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
4-Chlorotoluene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
1,3,5-Trimethylbenzene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
tert-Butylbenzene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
1,2,4-Trimethylbenzene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
sec-Butylbenzene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
1,3-Dichlorobenzene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
p-Isopropyltoluene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
1,4-Dichlorobenzene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
1,2-Dichlorobenzene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
n-Butylbenzene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
1,2-Dibromo-3-chloropropane	e ND	0.0060	EPA 8260D	1-12-22	1-12-22	
1,2,4-Trichlorobenzene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
Hexachlorobutadiene	ND	0.0060	EPA 8260D	1-12-22	1-12-22	
Naphthalene	0.12	0.0060	EPA 8260D	1-12-22	1-12-22	
1,2,3-Trichlorobenzene	ND	0.0012	EPA 8260D	1-12-22	1-12-22	
Surrogate:	Percent Recovery	Control Limits				
Dibromofluoromethane	105	74-131				
Toluene-d8	103	78-128				
4-Bromofluorobenzene	100	71-130				

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Matrix: Soil Units: mg/kg

3 0				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	CB-07-26.5-011122					
Laboratory ID:	01-077-11					
Dichlorodifluoromethane	ND	0.00097	EPA 8260D	1-12-22	1-12-22	
Chloromethane	ND	0.0048	EPA 8260D	1-12-22	1-12-22	
Vinyl Chloride	ND	0.00097	EPA 8260D	1-12-22	1-12-22	
Bromomethane	ND	0.0048	EPA 8260D	1-12-22	1-12-22	
Chloroethane	ND	0.0048	EPA 8260D	1-12-22	1-12-22	
Trichlorofluoromethane	ND	0.00097	EPA 8260D	1-12-22	1-12-22	
1,1-Dichloroethene	ND	0.00097	EPA 8260D	1-12-22	1-12-22	
Acetone	1.4	0.47	EPA 8260D	1-13-22	1-13-22	
lodomethane	ND	0.0048	EPA 8260D	1-12-22	1-12-22	
Carbon Disulfide	0.0029	0.00097	EPA 8260D	1-12-22	1-12-22	
Methylene Chloride	ND	0.0048	EPA 8260D	1-12-22	1-12-22	
(trans) 1,2-Dichloroethene	ND	0.00097	EPA 8260D	1-12-22	1-12-22	
Methyl t-Butyl Ether	ND	0.00097	EPA 8260D	1-12-22	1-12-22	
1,1-Dichloroethane	ND	0.00097	EPA 8260D	1-12-22	1-12-22	
Vinyl Acetate	ND	0.0048	EPA 8260D	1-12-22	1-12-22	
2,2-Dichloropropane	ND	0.00097	EPA 8260D	1-12-22	1-12-22	
(cis) 1,2-Dichloroethene	0.0023	0.00097	EPA 8260D	1-12-22	1-12-22	
2-Butanone	0.12	0.0048	EPA 8260D	1-12-22	1-12-22	
Bromochloromethane	ND	0.00097	EPA 8260D	1-12-22	1-12-22	
Chloroform	ND	0.00097	EPA 8260D	1-12-22	1-12-22	
1,1,1-Trichloroethane	ND	0.00097	EPA 8260D	1-12-22	1-12-22	
Carbon Tetrachloride	ND	0.00097	EPA 8260D	1-12-22	1-12-22	
1,1-Dichloropropene	ND	0.00097	EPA 8260D	1-12-22	1-12-22	
Benzene	ND	0.00097	EPA 8260D	1-12-22	1-12-22	
1,2-Dichloroethane	ND	0.00097	EPA 8260D	1-12-22	1-12-22	
Trichloroethene	ND	0.00097	EPA 8260D	1-12-22	1-12-22	
1,2-Dichloropropane	ND	0.00097	EPA 8260D	1-12-22	1-12-22	
Dibromomethane	ND	0.00097	EPA 8260D	1-12-22	1-12-22	
Bromodichloromethane	ND	0.00097	EPA 8260D	1-12-22	1-12-22	
2-Chloroethyl Vinyl Ether	ND	0.0048	EPA 8260D	1-12-22	1-12-22	
(cis) 1,3-Dichloropropene	ND	0.00097	EPA 8260D	1-12-22	1-12-22	
Methyl Isobutyl Ketone	ND	0.0048	EPA 8260D	1-12-22	1-12-22	
Toluene	ND	0.0048	EPA 8260D	1-12-22	1-12-22	
(trans) 1,3-Dichloropropend	e ND	0.00097	EPA 8260D	1-12-22	1-12-22	

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				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
	CB-07-26.5-011122					
Laboratory ID:	01-077-11					
1,1,2-Trichloroethane	ND	0.00097	EPA 8260D	1-12-22	1-12-22	
Tetrachloroethene	0.0016	0.00097	EPA 8260D	1-12-22	1-12-22	
1,3-Dichloropropane	ND	0.00097	EPA 8260D	1-12-22	1-12-22	
2-Hexanone	ND	0.0048	EPA 8260D	1-12-22	1-12-22	
Dibromochloromethane	ND	0.00097	EPA 8260D	1-12-22	1-12-22	
1,2-Dibromoethane	ND	0.00097	EPA 8260D	1-12-22	1-12-22	
Chlorobenzene	ND	0.00097	EPA 8260D	1-12-22	1-12-22	
1,1,1,2-Tetrachloroethane	ND	0.00097	EPA 8260D	1-12-22	1-12-22	
Ethylbenzene	ND	0.00097	EPA 8260D	1-12-22	1-12-22	
m,p-Xylene	ND	0.0019	EPA 8260D	1-12-22	1-12-22	
o-Xylene	ND	0.00097	EPA 8260D	1-12-22	1-12-22	
Styrene	ND	0.00097	EPA 8260D	1-12-22	1-12-22	
Bromoform	ND	0.0048	EPA 8260D	1-12-22	1-12-22	
Isopropylbenzene	ND	0.00097	EPA 8260D	1-12-22	1-12-22	
Bromobenzene	ND	0.00097	EPA 8260D	1-12-22	1-12-22	
1,1,2,2-Tetrachloroethane	ND	0.00097	EPA 8260D	1-12-22	1-12-22	
1,2,3-Trichloropropane	ND	0.00097	EPA 8260D	1-12-22	1-12-22	
n-Propylbenzene	ND	0.00097	EPA 8260D	1-12-22	1-12-22	
2-Chlorotoluene	ND	0.00097	EPA 8260D	1-12-22	1-12-22	
1-Chlorotoluene	ND	0.00097	EPA 8260D	1-12-22	1-12-22	
1,3,5-Trimethylbenzene	ND	0.00097	EPA 8260D	1-12-22	1-12-22	
ert-Butylbenzene	ND	0.00097	EPA 8260D	1-12-22	1-12-22	
1,2,4-Trimethylbenzene	0.0012	0.00097	EPA 8260D	1-12-22	1-12-22	
sec-Butylbenzene	ND	0.00097	EPA 8260D	1-12-22	1-12-22	
1,3-Dichlorobenzene	ND	0.00097	EPA 8260D	1-12-22	1-12-22	
o-Isopropyltoluene	0.0050	0.00097	EPA 8260D	1-12-22	1-12-22	
1,4-Dichlorobenzene	ND	0.00097	EPA 8260D	1-12-22	1-12-22	
1,2-Dichlorobenzene	ND	0.00097	EPA 8260D	1-12-22	1-12-22	
n-Butylbenzene	ND	0.00097	EPA 8260D	1-12-22	1-12-22	
1,2-Dibromo-3-chloropropan		0.0048	EPA 8260D	1-12-22	1-12-22	
1,2,4-Trichlorobenzene	ND	0.00097	EPA 8260D	1-12-22	1-12-22	
Hexachlorobutadiene	ND	0.0048	EPA 8260D	1-12-22	1-12-22	
Naphthalene	0.0094	0.0048	EPA 8260D	1-12-22	1-12-22	
1,2,3-Trichlorobenzene	0.009 4 ND	0.00097	EPA 8260D	1-12-22	1-12-22	
			LI A 0200D	1-12-22	1-14-44	
Surrogate:	Percent Recovery	Control Limits				
Dibromofluoromethane	106	74-131				
Toluene-d8	101	78-128				

4-Bromofluorobenzene

71-130

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VOLATILE ORGANICS EPA 8260D QUALITY CONTROL

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Matrix: Soil Units: mg/kg

Offits. Hig/kg				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0112S1					
Dichlorodifluoromethane	ND	0.0010	EPA 8260D	1-12-22	1-12-22	
Chloromethane	ND	0.0050	EPA 8260D	1-12-22	1-12-22	
Vinyl Chloride	ND	0.0010	EPA 8260D	1-12-22	1-12-22	
Bromomethane	ND	0.0050	EPA 8260D	1-12-22	1-12-22	
Chloroethane	ND	0.0050	EPA 8260D	1-12-22	1-12-22	
Trichlorofluoromethane	ND	0.0010	EPA 8260D	1-12-22	1-12-22	
1,1-Dichloroethene	ND	0.0010	EPA 8260D	1-12-22	1-12-22	
Acetone	ND	0.010	EPA 8260D	1-12-22	1-12-22	
lodomethane	ND	0.0050	EPA 8260D	1-12-22	1-12-22	
Carbon Disulfide	ND	0.0010	EPA 8260D	1-12-22	1-12-22	
Methylene Chloride	ND	0.0050	EPA 8260D	1-12-22	1-12-22	
(trans) 1,2-Dichloroethene	ND	0.0010	EPA 8260D	1-12-22	1-12-22	
Methyl t-Butyl Ether	ND	0.0010	EPA 8260D	1-12-22	1-12-22	
1,1-Dichloroethane	ND	0.0010	EPA 8260D	1-12-22	1-12-22	
Vinyl Acetate	ND	0.0050	EPA 8260D	1-12-22	1-12-22	
2,2-Dichloropropane	ND	0.0010	EPA 8260D	1-12-22	1-12-22	
(cis) 1,2-Dichloroethene	ND	0.0010	EPA 8260D	1-12-22	1-12-22	
2-Butanone	ND	0.0050	EPA 8260D	1-12-22	1-12-22	
Bromochloromethane	ND	0.0010	EPA 8260D	1-12-22	1-12-22	
Chloroform	ND	0.0010	EPA 8260D	1-12-22	1-12-22	
1,1,1-Trichloroethane	ND	0.0010	EPA 8260D	1-12-22	1-12-22	
Carbon Tetrachloride	ND	0.0010	EPA 8260D	1-12-22	1-12-22	
1,1-Dichloropropene	ND	0.0010	EPA 8260D	1-12-22	1-12-22	
Benzene	ND	0.0010	EPA 8260D	1-12-22	1-12-22	
1,2-Dichloroethane	ND	0.0010	EPA 8260D	1-12-22	1-12-22	
Trichloroethene	ND	0.0010	EPA 8260D	1-12-22	1-12-22	
1,2-Dichloropropane	ND	0.0010	EPA 8260D	1-12-22	1-12-22	
Dibromomethane	ND	0.0010	EPA 8260D	1-12-22	1-12-22	
Bromodichloromethane	ND	0.0010	EPA 8260D	1-12-22	1-12-22	
2-Chloroethyl Vinyl Ether	ND	0.0050	EPA 8260D	1-12-22	1-12-22	
(cis) 1,3-Dichloropropene	ND	0.0010	EPA 8260D	1-12-22	1-12-22	
Methyl Isobutyl Ketone	ND	0.0050	EPA 8260D	1-12-22	1-12-22	
Toluene	ND	0.0050	EPA 8260D	1-12-22	1-12-22	
(trans) 1,3-Dichloropropene	ND	0.0010	EPA 8260D	1-12-22	1-12-22	

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VOLATILE ORGANICS EPA 8260D QUALITY CONTROL

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				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0112S1					
1,1,2-Trichloroethane	ND	0.0010	EPA 8260D	1-12-22	1-12-22	
Tetrachloroethene	ND	0.0010	EPA 8260D	1-12-22	1-12-22	
1,3-Dichloropropane	ND	0.0010	EPA 8260D	1-12-22	1-12-22	
2-Hexanone	ND	0.0050	EPA 8260D	1-12-22	1-12-22	
Dibromochloromethane	ND	0.0010	EPA 8260D	1-12-22	1-12-22	
1,2-Dibromoethane	ND	0.0010	EPA 8260D	1-12-22	1-12-22	
Chlorobenzene	ND	0.0010	EPA 8260D	1-12-22	1-12-22	
1,1,1,2-Tetrachloroethane	ND	0.0010	EPA 8260D	1-12-22	1-12-22	
Ethylbenzene	ND	0.0010	EPA 8260D	1-12-22	1-12-22	
m,p-Xylene	ND	0.0020	EPA 8260D	1-12-22	1-12-22	
o-Xylene	ND	0.0010	EPA 8260D	1-12-22	1-12-22	
Styrene	ND	0.0010	EPA 8260D	1-12-22	1-12-22	
Bromoform	ND	0.0050	EPA 8260D	1-12-22	1-12-22	
Isopropylbenzene	ND	0.0010	EPA 8260D	1-12-22	1-12-22	
Bromobenzene	ND	0.0010	EPA 8260D	1-12-22	1-12-22	
1,1,2,2-Tetrachloroethane	ND	0.0010	EPA 8260D	1-12-22	1-12-22	
1,2,3-Trichloropropane	ND	0.0010	EPA 8260D	1-12-22	1-12-22	
n-Propylbenzene	ND	0.0010	EPA 8260D	1-12-22	1-12-22	
2-Chlorotoluene	ND	0.0010	EPA 8260D	1-12-22	1-12-22	
4-Chlorotoluene	ND	0.0010	EPA 8260D	1-12-22	1-12-22	
1,3,5-Trimethylbenzene	ND	0.0010	EPA 8260D	1-12-22	1-12-22	
tert-Butylbenzene	ND	0.0010	EPA 8260D	1-12-22	1-12-22	
1,2,4-Trimethylbenzene	ND	0.0010	EPA 8260D	1-12-22	1-12-22	
sec-Butylbenzene	ND	0.0010	EPA 8260D	1-12-22	1-12-22	
1,3-Dichlorobenzene	ND	0.0010	EPA 8260D	1-12-22	1-12-22	
p-Isopropyltoluene	ND	0.0010	EPA 8260D	1-12-22	1-12-22	
1,4-Dichlorobenzene	ND	0.0010	EPA 8260D	1-12-22	1-12-22	
1,2-Dichlorobenzene	ND	0.0010	EPA 8260D	1-12-22	1-12-22	
n-Butylbenzene	ND	0.0010	EPA 8260D	1-12-22	1-12-22	
1,2-Dibromo-3-chloropropane	ND	0.0050	EPA 8260D	1-12-22	1-12-22	
1,2,4-Trichlorobenzene	ND	0.0010	EPA 8260D	1-12-22	1-12-22	
Hexachlorobutadiene	ND	0.0050	EPA 8260D	1-12-22	1-12-22	
Naphthalene	ND	0.0050	EPA 8260D	1-12-22	1-12-22	
1,2,3-Trichlorobenzene	ND	0.0010	EPA 8260D	1-12-22	1-12-22	
Surrogate:	Percent Recovery	Control Limits				
Dibromofluoromethane	104	74-131				
Toluene-d8	103	78-128				
4-Bromofluorobenzene	104	71-130				

VOLATILE ORGANICS EPA 8260D QUALITY CONTROL

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Matrix: Soil Units: mg/kg

Onits. mg/kg				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0113S1					
Dichlorodifluoromethane	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
Chloromethane	ND	0.0050	EPA 8260D	1-13-22	1-13-22	
Vinyl Chloride	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
Bromomethane	ND	0.0050	EPA 8260D	1-13-22	1-13-22	
Chloroethane	ND	0.0050	EPA 8260D	1-13-22	1-13-22	
Trichlorofluoromethane	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
1,1-Dichloroethene	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
Acetone	ND	0.010	EPA 8260D	1-13-22	1-13-22	
lodomethane	ND	0.0069	EPA 8260D	1-13-22	1-13-22	
Carbon Disulfide	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
Methylene Chloride	ND	0.0050	EPA 8260D	1-13-22	1-13-22	
(trans) 1,2-Dichloroethene	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
Methyl t-Butyl Ether	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
1,1-Dichloroethane	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
Vinyl Acetate	ND	0.0050	EPA 8260D	1-13-22	1-13-22	
2,2-Dichloropropane	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
(cis) 1,2-Dichloroethene	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
2-Butanone	ND	0.0050	EPA 8260D	1-13-22	1-13-22	
Bromochloromethane	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
Chloroform	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
1,1,1-Trichloroethane	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
Carbon Tetrachloride	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
1,1-Dichloropropene	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
Benzene	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
1,2-Dichloroethane	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
Trichloroethene	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
1,2-Dichloropropane	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
Dibromomethane	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
Bromodichloromethane	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
2-Chloroethyl Vinyl Ether	ND	0.0050	EPA 8260D	1-13-22	1-13-22	
(cis) 1,3-Dichloropropene	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
Methyl Isobutyl Ketone	ND	0.0050	EPA 8260D	1-13-22	1-13-22	
Toluene	ND	0.0050	EPA 8260D	1-13-22	1-13-22	
(trans) 1,3-Dichloropropene	ND	0.0010	EPA 8260D	1-13-22	1-13-22	

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VOLATILE ORGANICS EPA 8260D QUALITY CONTROL

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				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
METHOD BLANK						_
Laboratory ID:	MB0113S1					
1,1,2-Trichloroethane	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
Tetrachloroethene	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
1,3-Dichloropropane	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
2-Hexanone	ND	0.0050	EPA 8260D	1-13-22	1-13-22	
Dibromochloromethane	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
1,2-Dibromoethane	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
Chlorobenzene	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
1,1,1,2-Tetrachloroethane	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
Ethylbenzene	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
m,p-Xylene	ND	0.0020	EPA 8260D	1-13-22	1-13-22	
o-Xylene	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
Styrene	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
Bromoform	ND	0.0050	EPA 8260D	1-13-22	1-13-22	
Isopropylbenzene	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
Bromobenzene	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
1,1,2,2-Tetrachloroethane	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
1,2,3-Trichloropropane	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
n-Propylbenzene	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
2-Chlorotoluene	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
4-Chlorotoluene	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
1,3,5-Trimethylbenzene	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
tert-Butylbenzene	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
1,2,4-Trimethylbenzene	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
sec-Butylbenzene	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
1,3-Dichlorobenzene	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
p-Isopropyltoluene	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
1,4-Dichlorobenzene	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
1,2-Dichlorobenzene	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
n-Butylbenzene	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
1,2-Dibromo-3-chloropropane	ND	0.0050	EPA 8260D	1-13-22	1-13-22	
1,2,4-Trichlorobenzene	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
Hexachlorobutadiene	ND	0.0050	EPA 8260D	1-13-22	1-13-22	
Naphthalene	ND	0.0050	EPA 8260D	1-13-22	1-13-22	
1,2,3-Trichlorobenzene	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
Surrogate:	Percent Recovery	Control Limits				
Dibromofluoromethane	102	74-131				
Toluene-d8	101	78-128				
4-Bromofluorobenzene	102	71-130				

VOLATILE ORGANICS EPA 8260D QUALITY CONTROL

Matrix: Soil Units: mg/kg

						Per	cent	Recovery		RPD	
Analyte	Res	ult	Spike	Level	R	lecc	overy	Limits	RPD	Limit	Flags
SPIKE BLANKS											
Laboratory ID:	SB01	12S1									
	SB	SBD	SB	SBD	S	B	SBD				
1,1-Dichloroethene	0.0499	0.0503	0.0500	0.0500	1	00	101	71-131	1	19	
Benzene	0.0495	0.0511	0.0500	0.0500	g	9	102	73-124	3	18	
Trichloroethene	0.0511	0.0523	0.0500	0.0500	1	02	105	79-130	2	18	
Toluene	0.0496	0.0503	0.0500	0.0500	g	9	101	76-123	1	18	
Chlorobenzene	0.0484	0.0490	0.0500	0.0500	9	7	98	78-122	1	18	
Surrogate:											
Dibromofluoromethane					1	05	105	74-131			
Toluene-d8					1	03	103	78-128			
4-Bromofluorobenzene					1	05	103	71-130			
Laboratory ID:	SB01	13S1									
	SB	SBD	SB	SBD	S	B	SBD				
1,1-Dichloroethene	0.0520	0.0528	0.0500	0.0500	1	04	106	71-131	2	19	
Benzene	0.0511	0.0533	0.0500	0.0500	1	02	107	73-124	4	18	
Trichloroethene	0.0530	0.0551	0.0500	0.0500	1	06	110	79-130	4	18	
Toluene	0.0505	0.0512	0.0500	0.0500	1	01	102	76-123	1	18	
Chlorobenzene	0.0496	0.0508	0.0500	0.0500	g	9	102	78-122	2	18	
Surrogate:											
Dibromofluoromethane					1	01	104	74-131			
Toluene-d8					1	02	102	78-128			
4-Bromofluorobenzene					1	08	107	71-130			

% MOISTURE

Client ID	Lab ID	% Moisture	Date Analyzed
CB-08-19.5-011022	01-077-02	26	1-12-22
CB-08-27-011022	01-077-03	12	1-12-22
CB-14-20-011022	01-077-04	15	1-12-22
CB-14-22-011022	01-077-05	13	1-12-22
CB-14-24.5-011022	01-077-06	21	1-12-22
CB-13-24.5-011022	01-077-07	13	1-12-22
CB-06-24-011122	01-077-08	24	1-12-22
CB-07-15.5-011122	01-077-09	21	1-12-22
CB-07-19-011122	01-077-10	17	1-12-22
CB-07-26.5-011122	01-077-11	11	1-12-22



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.
- 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 of 2

Skim 0SE 1/11,	of consuming	<u> </u>	Min L	Willy:	Min Willing	2 VIII	rown Wills	Min Win	Min Win	Min William Wi	Min VIOLE	Notice VIII	Date Sampler VIVIZ	Total NOTE	Date Samples VIII
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Chain of Custody

Page 2 of 2

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January 14, 2022

Jeremy Porter Aspect Consulting Dexter Horton Building 710 2nd Avenue, Suite 550 Seattle, WA 98104

Re: Analytical Data for Project 060172

Laboratory Reference No. 2201-094

Dear Jeremy:

Enclosed are the analytical results and associated quality control data for samples submitted on January 12, 2022.

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,

David Baumeister Project Manager

Enclosures



Project: 060172

Case Narrative

Samples were collected on January 12, 2022 and received by the laboratory on January 12, 2022. 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.

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-Gx Analysis - Water

The chromatograms for samples MW-3R-011222, MW-2R-011222, and VE-1R-011222 are not similar to a typical gas.

NWTPH-Gx Analysis - Soil

The chromatogram for sample CB-11-20-011222 is similar to mineral spirits.

Please note that any other QA/QC issues associated with these extractions and analyses will be indicated with a footnote reference and discussed in detail on the Data Qualifier page.

GASOLINE RANGE ORGANICS NWTPH-Gx

Matrix: Water Units: ug/L (ppb)

				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	MW-10-011222					
Laboratory ID:	01-094-01					
Gasoline	ND	100	NWTPH-Gx	1-13-22	1-13-22	
Surrogate:	Percent Recovery	Control Limits				
Fluorobenzene	98	66-117				
Client ID:	MW-3R-011222					
Laboratory ID:	01-094-02					
Gasoline	130	100	NWTPH-Gx	1-13-22	1-13-22	T
Surrogate:	Percent Recovery	Control Limits				
Fluorobenzene	100	66-117				
Client ID:	MW-2R-011222					
Laboratory ID:	01-094-03					
Gasoline	350	100	NWTPH-Gx	1-13-22	1-13-22	Т
Surrogate:	Percent Recovery	Control Limits				
Fluorobenzene	100	66-117				
Client ID:	VE-1R-011222					
Laboratory ID:	01-094-04					
Gasoline	180	100	NWTPH-Gx	1-13-22	1-13-22	Т
Surrogate:	Percent Recovery	Control Limits				
Fluorobenzene	100	66-117				

Project: 060172

GASOLINE RANGE ORGANICS NWTPH-Gx QUALITY CONTROL

Matrix: Water
Units: ug/L (ppb)

Amalada	Dagult	DOL	Mathad	Date	Date	Flore
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0113W1					
Gasoline	ND	100	NWTPH-Gx	1-13-22	1-13-22	
Surrogate:	Percent Recovery	Control Limits				
Fluorobenzene	99	66-117				

Analyte	Res	sult	Spike l	Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE										
Laboratory ID:	01-09	94-01								
	ORIG	DUP								
Gasoline	ND	ND	NA	NA		NA	NA	NA	30	
Surrogate:										
Fluorobenzene						98 98	66-117			

GASOLINE RANGE ORGANICS NWTPH-Gx

Matrix: Soil

Units: mg/kg (ppm)

				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	CB-11-20-011222					
Laboratory ID:	01-094-05					
Gasoline	8.1	4.8	NWTPH-Gx	1-13-22	1-13-22	Z
Surrogate:	Percent Recovery	Control Limits				
Fluorobenzene	109	66-129				
Client ID:	CB-11-24-011222					
Laboratory ID:	01-094-06					
Gasoline	ND	4.8	NWTPH-Gx	1-13-22	1-13-22	
Surrogate:	Percent Recovery	Control Limits				
Fluorobenzene	96	66-129				

GASOLINE RANGE ORGANICS NWTPH-Gx QUALITY CONTROL

Matrix: Soil

Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK	Nesuit	FQL	Wethou	Frepareu	Anaryzeu	ı iays
Laboratory ID:	MB0113S1					
Gasoline	ND	5.0	NWTPH-Gx	1-13-22	1-13-22	
Surrogate:	Percent Recovery	Control Limits				
Fluorobenzene	97	66-129				

Analyte	Res	sult	Spike	Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE										
Laboratory ID:	01-09	94-05								
	ORIG	DUP								
Gasoline	6.41	5.07	NA	NA		NA	NA	23	30	
Surrogate:										
Fluorobenzene						109 111	66-129			

Fluorobenzene

Project: 060172

VOLATILE ORGANICS EPA 8260D

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Offits. ug/L				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	MW-10-011222	·		•	•	
Laboratory ID:	01-094-01					
Dichlorodifluoromethane	ND	2.0	EPA 8260D	1-13-22	1-13-22	
Chloromethane	ND	10	EPA 8260D	1-13-22	1-13-22	
Vinyl Chloride	ND	2.0	EPA 8260D	1-13-22	1-13-22	
Bromomethane	ND	2.0	EPA 8260D	1-13-22	1-13-22	
Chloroethane	ND	10	EPA 8260D	1-13-22	1-13-22	
Trichlorofluoromethane	ND	2.0	EPA 8260D	1-13-22	1-13-22	
1,1-Dichloroethene	ND	2.0	EPA 8260D	1-13-22	1-13-22	
Acetone	650	50	EPA 8260D	1-13-22	1-13-22	
Iodomethane	ND	63	EPA 8260D	1-13-22	1-13-22	
Carbon Disulfide	ND	2.0	EPA 8260D	1-13-22	1-13-22	
Methylene Chloride	ND	10	EPA 8260D	1-13-22	1-13-22	
(trans) 1,2-Dichloroethene	ND	2.0	EPA 8260D	1-13-22	1-13-22	
Methyl t-Butyl Ether	ND	2.0	EPA 8260D	1-13-22	1-13-22	
1,1-Dichloroethane	ND	2.0	EPA 8260D	1-13-22	1-13-22	
Vinyl Acetate	ND	10	EPA 8260D	1-13-22	1-13-22	
2,2-Dichloropropane	ND	2.0	EPA 8260D	1-13-22	1-13-22	
(cis) 1,2-Dichloroethene	32	2.0	EPA 8260D	1-13-22	1-13-22	
2-Butanone	120	50	EPA 8260D	1-13-22	1-13-22	
Bromochloromethane	ND	2.0	EPA 8260D	1-13-22	1-13-22	
Chloroform	ND	2.0	EPA 8260D	1-13-22	1-13-22	
1,1,1-Trichloroethane	ND	2.0	EPA 8260D	1-13-22	1-13-22	
Carbon Tetrachloride	ND	2.0	EPA 8260D	1-13-22	1-13-22	
1,1-Dichloropropene	ND	2.0	EPA 8260D	1-13-22	1-13-22	
Benzene	ND	2.0	EPA 8260D	1-13-22	1-13-22	
1,2-Dichloroethane	2.2	2.0	EPA 8260D	1-13-22	1-13-22	
Trichloroethene	5.6	2.0	EPA 8260D	1-13-22	1-13-22	
1,2-Dichloropropane	ND	2.0	EPA 8260D	1-13-22	1-13-22	
Dibromomethane	ND	2.5	EPA 8260D	1-13-22	1-13-22	
Bromodichloromethane	ND	2.0	EPA 8260D	1-13-22	1-13-22	
(cis) 1,3-Dichloropropene	ND	2.0	EPA 8260D	1-13-22	1-13-22	
Methyl Isobutyl Ketone	ND	20	EPA 8260D	1-13-22	1-13-22	
Toluene	ND	10	EPA 8260D	1-13-22	1-13-22	
(trans) 1,3-Dichloropropene	ND	2.0	EPA 8260D	1-13-22	1-13-22	

Project: 060172

VOLATILE ORGANICS EPA 8260D

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Analista	Dogult	PQL	Mathad	Date	Date	Flore
Analyte Client ID:	Result MW-10-011222	PQL	Method	Prepared	Analyzed	Flags
Laboratory ID:	01-094-01					
1,1,2-Trichloroethane	ND	2.0	EPA 8260D	1-13-22	1-13-22	
Tetrachloroethene	4.0	2.0	EPA 8260D	1-13-22	1-13-22	
1,3-Dichloropropane	ND	2.0	EPA 8260D	1-13-22	1-13-22	
2-Hexanone	ND ND	20	EPA 8260D	1-13-22	1-13-22	
Dibromochloromethane	ND ND	2.0	EPA 8260D	1-13-22	1-13-22	
1,2-Dibromoethane	ND ND	2.0	EPA 8260D	1-13-22	1-13-22	
	ND ND	2.0				
Chlorobenzene			EPA 8260D	1-13-22	1-13-22	
1,1,1,2-Tetrachloroethane	ND	2.0	EPA 8260D	1-13-22	1-13-22	
Ethylbenzene	ND	2.0	EPA 8260D	1-13-22	1-13-22	
m,p-Xylene	ND	4.0	EPA 8260D	1-13-22	1-13-22	
o-Xylene	ND	2.0	EPA 8260D	1-13-22	1-13-22	
Styrene	ND	2.0	EPA 8260D	1-13-22	1-13-22	
Bromoform	ND	10	EPA 8260D	1-13-22	1-13-22	
Isopropylbenzene	ND	2.0	EPA 8260D	1-13-22	1-13-22	
Bromobenzene	ND	2.0	EPA 8260D	1-13-22	1-13-22	
1,1,2,2-Tetrachloroethane	ND	2.0	EPA 8260D	1-13-22	1-13-22	
1,2,3-Trichloropropane	ND	2.0	EPA 8260D	1-13-22	1-13-22	
n-Propylbenzene	ND	2.0	EPA 8260D	1-13-22	1-13-22	
2-Chlorotoluene	ND	2.0	EPA 8260D	1-13-22	1-13-22	
4-Chlorotoluene	ND	2.0	EPA 8260D	1-13-22	1-13-22	
1,3,5-Trimethylbenzene	ND	2.0	EPA 8260D	1-13-22	1-13-22	
tert-Butylbenzene	ND	2.0	EPA 8260D	1-13-22	1-13-22	
1,2,4-Trimethylbenzene	ND	2.0	EPA 8260D	1-13-22	1-13-22	
sec-Butylbenzene	ND	2.0	EPA 8260D	1-13-22	1-13-22	
1,3-Dichlorobenzene	ND	2.0	EPA 8260D	1-13-22	1-13-22	
p-Isopropyltoluene	2.6	2.0	EPA 8260D	1-13-22	1-13-22	
1,4-Dichlorobenzene	ND	2.0	EPA 8260D	1-13-22	1-13-22	
1,2-Dichlorobenzene	ND	2.0	EPA 8260D	1-13-22	1-13-22	
n-Butylbenzene	ND	2.0	EPA 8260D	1-13-22	1-13-22	
1,2-Dibromo-3-chloropropane	ND	10	EPA 8260D	1-13-22	1-13-22	
1,2,4-Trichlorobenzene	ND	2.0	EPA 8260D	1-13-22	1-13-22	
Hexachlorobutadiene	ND	10	EPA 8260D	1-13-22	1-13-22	
Naphthalene	170	10	EPA 8260D	1-13-22	1-13-22	
1,2,3-Trichlorobenzene	ND	2.0	EPA 8260D	1-13-22	1-13-22	
Surrogate:	Percent Recovery	Control Limits	2-11	<u> </u>		
	1 3.22					

Surrogate: Percent Recovery Control Limit
Dibromofluoromethane 112 75-127
Toluene-d8 104 80-127
4-Bromofluorobenzene 103 78-125



VOLATILE ORGANICS EPA 8260D

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				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	MW-3R-011222					
Laboratory ID:	01-094-02					
Dichlorodifluoromethane	ND	2.0	EPA 8260D	1-13-22	1-13-22	
Chloromethane	ND	10	EPA 8260D	1-13-22	1-13-22	
Vinyl Chloride	ND	2.0	EPA 8260D	1-13-22	1-13-22	
Bromomethane	ND	2.0	EPA 8260D	1-13-22	1-13-22	
Chloroethane	ND	10	EPA 8260D	1-13-22	1-13-22	
Trichlorofluoromethane	ND	2.0	EPA 8260D	1-13-22	1-13-22	
1,1-Dichloroethene	ND	2.0	EPA 8260D	1-13-22	1-13-22	
Acetone	860	50	EPA 8260D	1-13-22	1-13-22	
lodomethane	ND	63	EPA 8260D	1-13-22	1-13-22	
Carbon Disulfide	ND	2.0	EPA 8260D	1-13-22	1-13-22	
Methylene Chloride	ND	10	EPA 8260D	1-13-22	1-13-22	
(trans) 1,2-Dichloroethene	ND	2.0	EPA 8260D	1-13-22	1-13-22	
Methyl t-Butyl Ether	ND	2.0	EPA 8260D	1-13-22	1-13-22	
1,1-Dichloroethane	ND	2.0	EPA 8260D	1-13-22	1-13-22	
Vinyl Acetate	ND	10	EPA 8260D	1-13-22	1-13-22	
2,2-Dichloropropane	ND	2.0	EPA 8260D	1-13-22	1-13-22	
(cis) 1,2-Dichloroethene	ND	2.0	EPA 8260D	1-13-22	1-13-22	
2-Butanone	150	50	EPA 8260D	1-13-22	1-13-22	
Bromochloromethane	ND	2.0	EPA 8260D	1-13-22	1-13-22	
Chloroform	ND	2.0	EPA 8260D	1-13-22	1-13-22	
1,1,1-Trichloroethane	ND	2.0	EPA 8260D	1-13-22	1-13-22	
Carbon Tetrachloride	ND	2.0	EPA 8260D	1-13-22	1-13-22	
1,1-Dichloropropene	ND	2.0	EPA 8260D	1-13-22	1-13-22	
Benzene	ND	2.0	EPA 8260D	1-13-22	1-13-22	
1,2-Dichloroethane	ND	2.0	EPA 8260D	1-13-22	1-13-22	
Trichloroethene	ND	2.0	EPA 8260D	1-13-22	1-13-22	
1,2-Dichloropropane	ND	2.0	EPA 8260D	1-13-22	1-13-22	
Dibromomethane	ND	2.5	EPA 8260D	1-13-22	1-13-22	
Bromodichloromethane	ND	2.0	EPA 8260D	1-13-22	1-13-22	
(cis) 1,3-Dichloropropene	ND	2.0	EPA 8260D	1-13-22	1-13-22	
Methyl Isobutyl Ketone	ND	20	EPA 8260D	1-13-22	1-13-22	
Toluene	ND	10	EPA 8260D	1-13-22	1-13-22	
(trans) 1,3-Dichloropropene	ND	2.0	EPA 8260D	1-13-22	1-13-22	

VOLATILE ORGANICS EPA 8260D

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				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	MW-3R-011222					
Laboratory ID:	01-094-02					
1,1,2-Trichloroethane	ND	2.0	EPA 8260D	1-13-22	1-13-22	
Tetrachloroethene	ND	2.0	EPA 8260D	1-13-22	1-13-22	
1,3-Dichloropropane	ND	2.0	EPA 8260D	1-13-22	1-13-22	
2-Hexanone	ND	20	EPA 8260D	1-13-22	1-13-22	
Dibromochloromethane	ND	2.0	EPA 8260D	1-13-22	1-13-22	
1,2-Dibromoethane	ND	2.0	EPA 8260D	1-13-22	1-13-22	
Chlorobenzene	ND	2.0	EPA 8260D	1-13-22	1-13-22	
1,1,1,2-Tetrachloroethane	ND	2.0	EPA 8260D	1-13-22	1-13-22	
Ethylbenzene	ND	2.0	EPA 8260D	1-13-22	1-13-22	
m,p-Xylene	ND	4.0	EPA 8260D	1-13-22	1-13-22	
o-Xylene	ND	2.0	EPA 8260D	1-13-22	1-13-22	
Styrene	ND	2.0	EPA 8260D	1-13-22	1-13-22	
Bromoform	ND	10	EPA 8260D	1-13-22	1-13-22	
Isopropylbenzene	ND	2.0	EPA 8260D	1-13-22	1-13-22	
Bromobenzene	ND	2.0	EPA 8260D	1-13-22	1-13-22	
1,1,2,2-Tetrachloroethane	ND	2.0	EPA 8260D	1-13-22	1-13-22	
1,2,3-Trichloropropane	ND	2.0	EPA 8260D	1-13-22	1-13-22	
n-Propylbenzene	ND	2.0	EPA 8260D	1-13-22	1-13-22	
2-Chlorotoluene	ND	2.0	EPA 8260D	1-13-22	1-13-22	
4-Chlorotoluene	ND	2.0	EPA 8260D	1-13-22	1-13-22	
1,3,5-Trimethylbenzene	ND	2.0	EPA 8260D	1-13-22	1-13-22	
tert-Butylbenzene	ND	2.0	EPA 8260D	1-13-22	1-13-22	
1,2,4-Trimethylbenzene	ND	2.0	EPA 8260D	1-13-22	1-13-22	
sec-Butylbenzene	ND	2.0	EPA 8260D	1-13-22	1-13-22	
1,3-Dichlorobenzene	ND	2.0	EPA 8260D	1-13-22	1-13-22	
p-Isopropyltoluene	3.5	2.0	EPA 8260D	1-13-22	1-13-22	
1,4-Dichlorobenzene	ND	2.0	EPA 8260D	1-13-22	1-13-22	
1,2-Dichlorobenzene	ND	2.0	EPA 8260D	1-13-22	1-13-22	
n-Butylbenzene	ND	2.0	EPA 8260D	1-13-22	1-13-22	
1,2-Dibromo-3-chloropropane	ND	10	EPA 8260D	1-13-22	1-13-22	
1,2,4-Trichlorobenzene	ND	2.0	EPA 8260D	1-13-22	1-13-22	
Hexachlorobutadiene	ND	10	EPA 8260D	1-13-22	1-13-22	
Naphthalene	16	10	EPA 8260D	1-13-22	1-13-22	
1,2,3-Trichlorobenzene	ND	2.0	EPA 8260D	1-13-22	1-13-22	
Surrogate:	Percent Recovery	Control Limits				
Dibromofluoromethane	111	75-127				

4-Bromofluorobenzene

Toluene-d8

80-127

78-125

105

102

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				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	MW-2R-011222					
Laboratory ID:	01-094-03					
Dichlorodifluoromethane	ND	0.80	EPA 8260D	1-13-22	1-13-22	
Chloromethane	ND	4.0	EPA 8260D	1-13-22	1-13-22	
Vinyl Chloride	2.5	0.80	EPA 8260D	1-13-22	1-13-22	
Bromomethane	ND	0.80	EPA 8260D	1-13-22	1-13-22	
Chloroethane	ND	4.0	EPA 8260D	1-13-22	1-13-22	
Trichlorofluoromethane	ND	0.80	EPA 8260D	1-13-22	1-13-22	
1,1-Dichloroethene	ND	0.80	EPA 8260D	1-13-22	1-13-22	
Acetone	400	20	EPA 8260D	1-13-22	1-13-22	
lodomethane	ND	25	EPA 8260D	1-13-22	1-13-22	
Carbon Disulfide	ND	0.80	EPA 8260D	1-13-22	1-13-22	
Methylene Chloride	ND	4.0	EPA 8260D	1-13-22	1-13-22	
(trans) 1,2-Dichloroethene	0.93	0.80	EPA 8260D	1-13-22	1-13-22	
Methyl t-Butyl Ether	ND	0.80	EPA 8260D	1-13-22	1-13-22	
1,1-Dichloroethane	ND	0.80	EPA 8260D	1-13-22	1-13-22	
Vinyl Acetate	ND	4.0	EPA 8260D	1-13-22	1-13-22	
2,2-Dichloropropane	ND	0.80	EPA 8260D	1-13-22	1-13-22	
(cis) 1,2-Dichloroethene	52	0.80	EPA 8260D	1-13-22	1-13-22	
2-Butanone	98	20	EPA 8260D	1-13-22	1-13-22	
Bromochloromethane	ND	0.80	EPA 8260D	1-13-22	1-13-22	
Chloroform	ND	0.80	EPA 8260D	1-13-22	1-13-22	
1,1,1-Trichloroethane	ND	0.80	EPA 8260D	1-13-22	1-13-22	
Carbon Tetrachloride	ND	0.80	EPA 8260D	1-13-22	1-13-22	
1,1-Dichloropropene	ND	0.80	EPA 8260D	1-13-22	1-13-22	
Benzene	2.1	0.80	EPA 8260D	1-13-22	1-13-22	
1,2-Dichloroethane	ND	0.80	EPA 8260D	1-13-22	1-13-22	
Trichloroethene	4.8	0.80	EPA 8260D	1-13-22	1-13-22	
1,2-Dichloropropane	ND	0.80	EPA 8260D	1-13-22	1-13-22	
Dibromomethane	ND	1.0	EPA 8260D	1-13-22	1-13-22	
Bromodichloromethane	ND	0.80	EPA 8260D	1-13-22	1-13-22	
(cis) 1,3-Dichloropropene	ND	0.80	EPA 8260D	1-13-22	1-13-22	
Methyl Isobutyl Ketone	ND	8.0	EPA 8260D	1-13-22	1-13-22	
Toluene	ND	4.0	EPA 8260D	1-13-22	1-13-22	
(trans) 1,3-Dichloropropene	ND	0.80	EPA 8260D	1-13-22	1-13-22	

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		-01		Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	MW-2R-011222					
Laboratory ID:	01-094-03					
1,1,2-Trichloroethane	ND	0.80	EPA 8260D	1-13-22	1-13-22	
Tetrachloroethene	ND	0.80	EPA 8260D	1-13-22	1-13-22	
1,3-Dichloropropane	ND	0.80	EPA 8260D	1-13-22	1-13-22	
2-Hexanone	ND	8.0	EPA 8260D	1-13-22	1-13-22	
Dibromochloromethane	ND	0.80	EPA 8260D	1-13-22	1-13-22	
1,2-Dibromoethane	ND	0.80	EPA 8260D	1-13-22	1-13-22	
Chlorobenzene	ND	0.80	EPA 8260D	1-13-22	1-13-22	
1,1,1,2-Tetrachloroethane	ND	0.80	EPA 8260D	1-13-22	1-13-22	
Ethylbenzene	1.7	0.80	EPA 8260D	1-13-22	1-13-22	
m,p-Xylene	3.4	1.6	EPA 8260D	1-13-22	1-13-22	
o-Xylene	1.5	0.80	EPA 8260D	1-13-22	1-13-22	
Styrene	ND	0.80	EPA 8260D	1-13-22	1-13-22	
Bromoform	ND	4.0	EPA 8260D	1-13-22	1-13-22	
Isopropylbenzene	0.98	0.80	EPA 8260D	1-13-22	1-13-22	
Bromobenzene	ND	0.80	EPA 8260D	1-13-22	1-13-22	
1,1,2,2-Tetrachloroethane	ND	0.80	EPA 8260D	1-13-22	1-13-22	
1,2,3-Trichloropropane	ND	0.80	EPA 8260D	1-13-22	1-13-22	
n-Propylbenzene	3.9	0.80	EPA 8260D	1-13-22	1-13-22	
2-Chlorotoluene	ND	0.80	EPA 8260D	1-13-22	1-13-22	
4-Chlorotoluene	ND	0.80	EPA 8260D	1-13-22	1-13-22	
1,3,5-Trimethylbenzene	1.2	0.80	EPA 8260D	1-13-22	1-13-22	
tert-Butylbenzene	ND	0.80	EPA 8260D	1-13-22	1-13-22	
1,2,4-Trimethylbenzene	9.4	0.80	EPA 8260D	1-13-22	1-13-22	
sec-Butylbenzene	1.3	0.80	EPA 8260D	1-13-22	1-13-22	
1,3-Dichlorobenzene	ND	0.80	EPA 8260D	1-13-22	1-13-22	
p-Isopropyltoluene	3.5	0.80	EPA 8260D	1-13-22	1-13-22	
1,4-Dichlorobenzene	ND	0.80	EPA 8260D	1-13-22	1-13-22	
1,2-Dichlorobenzene	2.8	0.80	EPA 8260D	1-13-22	1-13-22	
n-Butylbenzene	ND	0.80	EPA 8260D	1-13-22	1-13-22	
1,2-Dibromo-3-chloropropane		4.0	EPA 8260D	1-13-22	1-13-22	
1,2,4-Trichlorobenzene	ND	0.80	EPA 8260D	1-13-22	1-13-22	
Hexachlorobutadiene	ND	4.0	EPA 8260D	1-13-22	1-13-22	
Naphthalene	74	4.0	EPA 8260D	1-13-22	1-13-22	
1,2,3-Trichlorobenzene	ND	0.80	EPA 8260D	1-13-22	1-13-22	
Surrogate:	Percent Recovery		, , 52000	1 10 22		
Dibromofluoromethane	100	75 127				

Surrogate: Percent Recovery Control Limit
Dibromofluoromethane 108 75-127
Toluene-d8 104 80-127
4-Bromofluorobenzene 101 78-125

VOLATILE ORGANICS EPA 8260D

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				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	VE-1R-011222					
Laboratory ID:	01-094-04					
Dichlorodifluoromethane	ND	2.0	EPA 8260D	1-13-22	1-13-22	
Chloromethane	ND	10	EPA 8260D	1-13-22	1-13-22	
Vinyl Chloride	ND	2.0	EPA 8260D	1-13-22	1-13-22	
Bromomethane	ND	2.0	EPA 8260D	1-13-22	1-13-22	
Chloroethane	ND	10	EPA 8260D	1-13-22	1-13-22	
Trichlorofluoromethane	ND	2.0	EPA 8260D	1-13-22	1-13-22	
1,1-Dichloroethene	ND	2.0	EPA 8260D	1-13-22	1-13-22	
Acetone	430	50	EPA 8260D	1-13-22	1-13-22	
lodomethane	ND	63	EPA 8260D	1-13-22	1-13-22	
Carbon Disulfide	ND	2.0	EPA 8260D	1-13-22	1-13-22	
Methylene Chloride	ND	10	EPA 8260D	1-13-22	1-13-22	
(trans) 1,2-Dichloroethene	ND	2.0	EPA 8260D	1-13-22	1-13-22	
Methyl t-Butyl Ether	ND	2.0	EPA 8260D	1-13-22	1-13-22	
1,1-Dichloroethane	ND	2.0	EPA 8260D	1-13-22	1-13-22	
Vinyl Acetate	ND	10	EPA 8260D	1-13-22	1-13-22	
2,2-Dichloropropane	ND	2.0	EPA 8260D	1-13-22	1-13-22	
(cis) 1,2-Dichloroethene	ND	2.0	EPA 8260D	1-13-22	1-13-22	
2-Butanone	97	50	EPA 8260D	1-13-22	1-13-22	
Bromochloromethane	ND	2.0	EPA 8260D	1-13-22	1-13-22	
Chloroform	ND	2.0	EPA 8260D	1-13-22	1-13-22	
1,1,1-Trichloroethane	ND	2.0	EPA 8260D	1-13-22	1-13-22	
Carbon Tetrachloride	ND	2.0	EPA 8260D	1-13-22	1-13-22	
1,1-Dichloropropene	ND	2.0	EPA 8260D	1-13-22	1-13-22	
Benzene	3.3	2.0	EPA 8260D	1-13-22	1-13-22	
1,2-Dichloroethane	ND	2.0	EPA 8260D	1-13-22	1-13-22	
Trichloroethene	ND	2.0	EPA 8260D	1-13-22	1-13-22	
1,2-Dichloropropane	ND	2.0	EPA 8260D	1-13-22	1-13-22	
Dibromomethane	ND	2.5	EPA 8260D	1-13-22	1-13-22	
Bromodichloromethane	ND	2.0	EPA 8260D	1-13-22	1-13-22	
(cis) 1,3-Dichloropropene	ND	2.0	EPA 8260D	1-13-22	1-13-22	
Methyl Isobutyl Ketone	ND	20	EPA 8260D	1-13-22	1-13-22	
Toluene	ND	10	EPA 8260D	1-13-22	1-13-22	
(trans) 1,3-Dichloropropene	ND	2.0	EPA 8260D	1-13-22	1-13-22	

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				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	VE-1R-011222					
Laboratory ID:	01-094-04					
1,1,2-Trichloroethane	ND	2.0	EPA 8260D	1-13-22	1-13-22	
Tetrachloroethene	ND	2.0	EPA 8260D	1-13-22	1-13-22	
1,3-Dichloropropane	ND	2.0	EPA 8260D	1-13-22	1-13-22	
2-Hexanone	ND	20	EPA 8260D	1-13-22	1-13-22	
Dibromochloromethane	ND	2.0	EPA 8260D	1-13-22	1-13-22	
1,2-Dibromoethane	ND	2.0	EPA 8260D	1-13-22	1-13-22	
Chlorobenzene	ND	2.0	EPA 8260D	1-13-22	1-13-22	
1,1,1,2-Tetrachloroethane	ND	2.0	EPA 8260D	1-13-22	1-13-22	
Ethylbenzene	ND	2.0	EPA 8260D	1-13-22	1-13-22	
m,p-Xylene	ND	4.0	EPA 8260D	1-13-22	1-13-22	
o-Xylene	ND	2.0	EPA 8260D	1-13-22	1-13-22	
Styrene	ND	2.0	EPA 8260D	1-13-22	1-13-22	
Bromoform	ND	10	EPA 8260D	1-13-22	1-13-22	
Isopropylbenzene	ND	2.0	EPA 8260D	1-13-22	1-13-22	
Bromobenzene	ND	2.0	EPA 8260D	1-13-22	1-13-22	
1,1,2,2-Tetrachloroethane	ND	2.0	EPA 8260D	1-13-22	1-13-22	
1,2,3-Trichloropropane	ND	2.0	EPA 8260D	1-13-22	1-13-22	
n-Propylbenzene	ND	2.0	EPA 8260D	1-13-22	1-13-22	
2-Chlorotoluene	ND	2.0	EPA 8260D	1-13-22	1-13-22	
4-Chlorotoluene	ND	2.0	EPA 8260D	1-13-22	1-13-22	
1,3,5-Trimethylbenzene	ND	2.0	EPA 8260D	1-13-22	1-13-22	
tert-Butylbenzene	ND	2.0	EPA 8260D	1-13-22	1-13-22	
1,2,4-Trimethylbenzene	2.8	2.0	EPA 8260D	1-13-22	1-13-22	
sec-Butylbenzene	ND	2.0	EPA 8260D	1-13-22	1-13-22	
1,3-Dichlorobenzene	ND	2.0	EPA 8260D	1-13-22	1-13-22	
p-Isopropyltoluene	ND	2.0	EPA 8260D	1-13-22	1-13-22	
1,4-Dichlorobenzene	ND	2.0	EPA 8260D	1-13-22	1-13-22	
1,2-Dichlorobenzene	ND	2.0	EPA 8260D	1-13-22	1-13-22	
n-Butylbenzene	ND	2.0	EPA 8260D	1-13-22	1-13-22	
1,2-Dibromo-3-chloropropane		10	EPA 8260D	1-13-22	1-13-22	
1,2,4-Trichlorobenzene	ND	2.0	EPA 8260D	1-13-22	1-13-22	
Hexachlorobutadiene	ND	10	EPA 8260D	1-13-22	1-13-22	
Naphthalene	96	10	EPA 8260D	1-13-22	1-13-22	
1,2,3-Trichlorobenzene	ND	2.0	EPA 8260D	1-13-22	1-13-22	
Surrogate:	Percent Recovery	Control Limits				
Dibromofluoromethane	110	75-127				

4-Bromofluorobenzene

Toluene-d8

80-127

78-125

104

103

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			Date	Date	
Result	PQL	Method	Prepared	Analyzed	Flags
MB0113W1					
ND	0.20	EPA 8260D	1-13-22	1-13-22	
ND	1.0	EPA 8260D	1-13-22	1-13-22	
ND	0.20	EPA 8260D	1-13-22	1-13-22	
ND	0.20	EPA 8260D	1-13-22	1-13-22	
ND	1.0	EPA 8260D	1-13-22	1-13-22	
ND	0.20	EPA 8260D	1-13-22	1-13-22	
ND	0.20	EPA 8260D	1-13-22	1-13-22	
ND	5.0	EPA 8260D	1-13-22	1-13-22	
ND	6.3	EPA 8260D	1-13-22	1-13-22	
ND	0.20	EPA 8260D	1-13-22	1-13-22	
ND	1.0	EPA 8260D	1-13-22	1-13-22	
ND	0.20	EPA 8260D	1-13-22	1-13-22	
ND	0.20	EPA 8260D	1-13-22	1-13-22	
ND	0.20	EPA 8260D	1-13-22	1-13-22	
ND	1.0	EPA 8260D	1-13-22	1-13-22	
ND	0.20	EPA 8260D	1-13-22	1-13-22	
ND	0.20	EPA 8260D	1-13-22	1-13-22	
ND	5.0	EPA 8260D	1-13-22	1-13-22	
ND	0.20	EPA 8260D	1-13-22	1-13-22	
ND	0.20	EPA 8260D	1-13-22	1-13-22	
ND	0.20	EPA 8260D	1-13-22	1-13-22	
ND	0.20	EPA 8260D	1-13-22	1-13-22	
ND	0.20	EPA 8260D	1-13-22	1-13-22	
ND	0.20	EPA 8260D	1-13-22	1-13-22	
ND	0.20	EPA 8260D	1-13-22	1-13-22	
ND	0.20	EPA 8260D	1-13-22	1-13-22	
ND	0.20	EPA 8260D	1-13-22	1-13-22	
ND	0.25	EPA 8260D	1-13-22	1-13-22	
ND	0.20	EPA 8260D	1-13-22	1-13-22	
ND	0.20	EPA 8260D	1-13-22	1-13-22	
ND	2.0	EPA 8260D	1-13-22	1-13-22	
ND	1.0	EPA 8260D	1-13-22	1-13-22	
ND	0.20	EPA 8260D	1-13-22	1-13-22	
	MB0113W1 ND ND ND ND ND ND ND ND ND ND	MB0113W1 ND 0.20 ND 1.0 ND 0.20 ND 0.20 ND 1.0 ND 0.20 ND 0.20 ND 5.0 ND 6.3 ND 0.20 ND 1.0 ND 0.20 ND 0.20	MB0113W1 ND 0.20 EPA 8260D ND 1.0 EPA 8260D ND 0.20 EPA 8260D ND 5.0 EPA 8260D ND 6.3 EPA 8260D ND 0.20 EPA 8260D <td>MB0113W1 PQL Method Prepared ND 0.20 EPA 8260D 1-13-22 ND 1.0 EPA 8260D 1-13-22 ND 0.20 EPA 8260D 1-13-22 ND 0.20 EPA 8260D 1-13-22 ND 1.0 EPA 8260D 1-13-22 ND 1.0 EPA 8260D 1-13-22 ND 0.20 EPA 8260D 1-13-22 ND 0.20 EPA 8260D 1-13-22 ND 5.0 EPA 8260D 1-13-22 ND 6.3 EPA 8260D 1-13-22 ND 6.3 EPA 8260D 1-13-22 ND 1.0 EPA 8260D 1-13-22 ND 1.0 EPA 8260D 1-13-22 ND 0.20 EPA 8260D 1-13-22</td> <td>MB0113W1 PQL Method Prepared Analyzed ND 0.20 EPA 8260D 1-13-22 1-13-22 ND 1.0 EPA 8260D 1-13-22 1-13-22 ND 0.20 EPA 8260D 1-13-22 1-13-22 ND 0.20 EPA 8260D 1-13-22 1-13-22 ND 1.0 EPA 8260D 1-13-22 1-13-22 ND 1.0 EPA 8260D 1-13-22 1-13-22 ND 1.0 EPA 8260D 1-13-22 1-13-22 ND 0.20 EPA 8260D 1-13-22 1-13-22 ND 0.20 EPA 8260D 1-13-22 1-13-22 ND 6.3 EPA 8260D 1-13-22 1-13-22 ND 0.20 EPA 8260D 1-13-22 <t< td=""></t<></td>	MB0113W1 PQL Method Prepared ND 0.20 EPA 8260D 1-13-22 ND 1.0 EPA 8260D 1-13-22 ND 0.20 EPA 8260D 1-13-22 ND 0.20 EPA 8260D 1-13-22 ND 1.0 EPA 8260D 1-13-22 ND 1.0 EPA 8260D 1-13-22 ND 0.20 EPA 8260D 1-13-22 ND 0.20 EPA 8260D 1-13-22 ND 5.0 EPA 8260D 1-13-22 ND 6.3 EPA 8260D 1-13-22 ND 6.3 EPA 8260D 1-13-22 ND 1.0 EPA 8260D 1-13-22 ND 1.0 EPA 8260D 1-13-22 ND 0.20 EPA 8260D 1-13-22	MB0113W1 PQL Method Prepared Analyzed ND 0.20 EPA 8260D 1-13-22 1-13-22 ND 1.0 EPA 8260D 1-13-22 1-13-22 ND 0.20 EPA 8260D 1-13-22 1-13-22 ND 0.20 EPA 8260D 1-13-22 1-13-22 ND 1.0 EPA 8260D 1-13-22 1-13-22 ND 1.0 EPA 8260D 1-13-22 1-13-22 ND 1.0 EPA 8260D 1-13-22 1-13-22 ND 0.20 EPA 8260D 1-13-22 1-13-22 ND 0.20 EPA 8260D 1-13-22 1-13-22 ND 6.3 EPA 8260D 1-13-22 1-13-22 ND 0.20 EPA 8260D 1-13-22 <t< td=""></t<>

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VOLATILE ORGANICS EPA 8260D QUALITY CONTROL

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				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0113W1					
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	1-13-22	1-13-22	
Tetrachloroethene	ND	0.20	EPA 8260D	1-13-22	1-13-22	
1,3-Dichloropropane	ND	0.20	EPA 8260D	1-13-22	1-13-22	
2-Hexanone	ND	2.0	EPA 8260D	1-13-22	1-13-22	
Dibromochloromethane	ND	0.20	EPA 8260D	1-13-22	1-13-22	
1,2-Dibromoethane	ND	0.20	EPA 8260D	1-13-22	1-13-22	
Chlorobenzene	ND	0.20	EPA 8260D	1-13-22	1-13-22	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	1-13-22	1-13-22	
Ethylbenzene	ND	0.20	EPA 8260D	1-13-22	1-13-22	
m,p-Xylene	ND	0.40	EPA 8260D	1-13-22	1-13-22	
o-Xylene	ND	0.20	EPA 8260D	1-13-22	1-13-22	
Styrene	ND	0.20	EPA 8260D	1-13-22	1-13-22	
Bromoform	ND	1.0	EPA 8260D	1-13-22	1-13-22	
Isopropylbenzene	ND	0.20	EPA 8260D	1-13-22	1-13-22	
Bromobenzene	ND	0.20	EPA 8260D	1-13-22	1-13-22	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	1-13-22	1-13-22	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	1-13-22	1-13-22	
n-Propylbenzene	ND	0.20	EPA 8260D	1-13-22	1-13-22	
2-Chlorotoluene	ND	0.20	EPA 8260D	1-13-22	1-13-22	
4-Chlorotoluene	ND	0.20	EPA 8260D	1-13-22	1-13-22	
1,3,5-Trimethylbenzene	ND	0.20	EPA 8260D	1-13-22	1-13-22	
tert-Butylbenzene	ND	0.20	EPA 8260D	1-13-22	1-13-22	
1,2,4-Trimethylbenzene	ND	0.20	EPA 8260D	1-13-22	1-13-22	
sec-Butylbenzene	ND	0.20	EPA 8260D	1-13-22	1-13-22	
1,3-Dichlorobenzene	ND	0.20	EPA 8260D	1-13-22	1-13-22	
p-Isopropyltoluene	ND	0.20	EPA 8260D	1-13-22	1-13-22	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	1-13-22	1-13-22	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	1-13-22	1-13-22	
n-Butylbenzene	ND	0.20	EPA 8260D	1-13-22	1-13-22	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260D	1-13-22	1-13-22	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260D	1-13-22	1-13-22	
Hexachlorobutadiene	ND	1.0	EPA 8260D	1-13-22	1-13-22	
Naphthalene	ND	1.0	EPA 8260D	1-13-22	1-13-22	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260D	1-13-22	1-13-22	
Surrogate:	Percent Recovery	Control Limits				
Dibromofluoromethane	111	75-127				

4-Bromofluorobenzene

Toluene-d8

80-127

78-125

105

102

VOLATILE ORGANICS EPA 8260D QUALITY CONTROL

					Per	cent	Recovery		RPD	
Analyte	Result		Spike Level		Rec	Recovery		RPD	Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB01	13W1								
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	10.7	11.1	10.0	10.0	107	111	78-125	4	19	
Benzene	10.3	10.5	10.0	10.0	103	105	80-119	2	16	
Trichloroethene	9.17	9.36	10.0	10.0	92	94	80-121	2	18	
Toluene	8.85	8.95	10.0	10.0	89	90	80-117	1	18	
Chlorobenzene	8.89	9.11	10.0	10.0	89	91	80-117	2	17	
Surrogate:										
Dibromofluoromethane					108	110	75-127			
Toluene-d8					103	104	80-127			
4-Bromofluorobenzene					102	104	78-125			

VOLATILE ORGANICS EPA 8260D

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Matrix: Soil Units: mg/kg

				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	CB-11-20-011222					
Laboratory ID:	01-094-05					
Dichlorodifluoromethane	ND	0.00060	EPA 8260D	1-13-22	1-13-22	
Chloromethane	ND	0.0030	EPA 8260D	1-13-22	1-13-22	
Vinyl Chloride	ND	0.00060	EPA 8260D	1-13-22	1-13-22	
Bromomethane	ND	0.0030	EPA 8260D	1-13-22	1-13-22	
Chloroethane	ND	0.0030	EPA 8260D	1-13-22	1-13-22	
Trichlorofluoromethane	ND	0.00060	EPA 8260D	1-13-22	1-13-22	
1,1-Dichloroethene	ND	0.00060	EPA 8260D	1-13-22	1-13-22	
Acetone	0.20	0.0060	EPA 8260D	1-13-22	1-13-22	
Iodomethane	ND	0.0041	EPA 8260D	1-13-22	1-13-22	
Carbon Disulfide	ND	0.00060	EPA 8260D	1-13-22	1-13-22	
Methylene Chloride	ND	0.0030	EPA 8260D	1-13-22	1-13-22	
(trans) 1,2-Dichloroethene	ND	0.00060	EPA 8260D	1-13-22	1-13-22	
Methyl t-Butyl Ether	ND	0.00060	EPA 8260D	1-13-22	1-13-22	
1,1-Dichloroethane	ND	0.00060	EPA 8260D	1-13-22	1-13-22	
Vinyl Acetate	ND	0.0030	EPA 8260D	1-13-22	1-13-22	
2,2-Dichloropropane	ND	0.00060	EPA 8260D	1-13-22	1-13-22	
(cis) 1,2-Dichloroethene	ND	0.00060	EPA 8260D	1-13-22	1-13-22	
2-Butanone	0.033	0.0030	EPA 8260D	1-13-22	1-13-22	
Bromochloromethane	ND	0.00060	EPA 8260D	1-13-22	1-13-22	
Chloroform	ND	0.00060	EPA 8260D	1-13-22	1-13-22	
1,1,1-Trichloroethane	ND	0.00060	EPA 8260D	1-13-22	1-13-22	
Carbon Tetrachloride	ND	0.00060	EPA 8260D	1-13-22	1-13-22	
1,1-Dichloropropene	ND	0.00060	EPA 8260D	1-13-22	1-13-22	
Benzene	ND	0.00060	EPA 8260D	1-13-22	1-13-22	
1,2-Dichloroethane	ND	0.00060	EPA 8260D	1-13-22	1-13-22	
Trichloroethene	ND	0.00060	EPA 8260D	1-13-22	1-13-22	
1,2-Dichloropropane	ND	0.00060	EPA 8260D	1-13-22	1-13-22	
Dibromomethane	ND	0.00060	EPA 8260D	1-13-22	1-13-22	
Bromodichloromethane	ND	0.00060	EPA 8260D	1-13-22	1-13-22	
2-Chloroethyl Vinyl Ether	ND	0.0030	EPA 8260D	1-13-22	1-13-22	
(cis) 1,3-Dichloropropene	ND	0.00060	EPA 8260D	1-13-22	1-13-22	
Methyl Isobutyl Ketone	ND	0.0030	EPA 8260D	1-13-22	1-13-22	
Toluene	ND	0.0030	EPA 8260D	1-13-22	1-13-22	
(trans) 1,3-Dichloropropene	ND	0.00060	EPA 8260D	1-13-22	1-13-22	

VOLATILE ORGANICS EPA 8260D

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				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	CB-11-20-011222					
₋aboratory ID:	01-094-05					
1,1,2-Trichloroethane	ND	0.00060	EPA 8260D	1-13-22	1-13-22	
Tetrachloroethene	ND	0.00060	EPA 8260D	1-13-22	1-13-22	
1,3-Dichloropropane	ND	0.00060	EPA 8260D	1-13-22	1-13-22	
2-Hexanone	ND	0.0030	EPA 8260D	1-13-22	1-13-22	
Dibromochloromethane	ND	0.00060	EPA 8260D	1-13-22	1-13-22	
1,2-Dibromoethane	ND	0.00060	EPA 8260D	1-13-22	1-13-22	
Chlorobenzene	ND	0.00060	EPA 8260D	1-13-22	1-13-22	
1,1,1,2-Tetrachloroethane	ND	0.00060	EPA 8260D	1-13-22	1-13-22	
Ethylbenzene	ND	0.00060	EPA 8260D	1-13-22	1-13-22	
m,p-Xylene	ND	0.0012	EPA 8260D	1-13-22	1-13-22	
o-Xylene	ND	0.00060	EPA 8260D	1-13-22	1-13-22	
Styrene	ND	0.00060	EPA 8260D	1-13-22	1-13-22	
Bromoform	ND	0.0030	EPA 8260D	1-13-22	1-13-22	
Isopropylbenzene	ND	0.00060	EPA 8260D	1-13-22	1-13-22	
Bromobenzene	ND	0.00060	EPA 8260D	1-13-22	1-13-22	
1,1,2,2-Tetrachloroethane	ND	0.00060	EPA 8260D	1-13-22	1-13-22	
1,2,3-Trichloropropane	ND	0.00060	EPA 8260D	1-13-22	1-13-22	
n-Propylbenzene	0.00081	0.00060	EPA 8260D	1-13-22	1-13-22	
2-Chlorotoluene	ND	0.00060	EPA 8260D	1-13-22	1-13-22	
4-Chlorotoluene	ND	0.00060	EPA 8260D	1-13-22	1-13-22	
1,3,5-Trimethylbenzene	ND	0.00060	EPA 8260D	1-13-22	1-13-22	
tert-Butylbenzene	ND	0.00060	EPA 8260D	1-13-22	1-13-22	
1,2,4-Trimethylbenzene	0.0019	0.00060	EPA 8260D	1-13-22	1-13-22	
sec-Butylbenzene	ND	0.00060	EPA 8260D	1-13-22	1-13-22	
1,3-Dichlorobenzene	ND	0.00060	EPA 8260D	1-13-22	1-13-22	
p-Isopropyltoluene	ND	0.00060	EPA 8260D	1-13-22	1-13-22	
1,4-Dichlorobenzene	ND	0.00060	EPA 8260D	1-13-22	1-13-22	
1,2-Dichlorobenzene	ND	0.00060	EPA 8260D	1-13-22	1-13-22	
n-Butylbenzene	0.0013	0.00060	EPA 8260D	1-13-22	1-13-22	
1,2-Dibromo-3-chloropropane	. ND	0.0030	EPA 8260D	1-13-22	1-13-22	
1,2,4-Trichlorobenzene	ND	0.00060	EPA 8260D	1-13-22	1-13-22	
Hexachlorobutadiene	ND	0.0030	EPA 8260D	1-13-22	1-13-22	
Naphthalene	0.030	0.0030	EPA 8260D	1-13-22	1-13-22	
1,2,3-Trichlorobenzene	ND	0.00060	EPA 8260D	1-13-22	1-13-22	
Surrogate:	Percent Recovery	Control Limits				
Dibromofluoromethane	102	74-131				
Toluene-d8	103	78-128				
4-Bromofluorobenzene	101	71-130				

VOLATILE ORGANICS EPA 8260D

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Matrix: Soil Units: mg/kg

				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	CB-11-24-011222					
Laboratory ID:	01-094-06					
Dichlorodifluoromethane	ND	0.0015	EPA 8260D	1-13-22	1-13-22	
Chloromethane	ND	0.0075	EPA 8260D	1-13-22	1-13-22	
Vinyl Chloride	ND	0.0015	EPA 8260D	1-13-22	1-13-22	
Bromomethane	ND	0.0075	EPA 8260D	1-13-22	1-13-22	
Chloroethane	ND	0.0075	EPA 8260D	1-13-22	1-13-22	
Trichlorofluoromethane	ND	0.0015	EPA 8260D	1-13-22	1-13-22	
1,1-Dichloroethene	ND	0.0015	EPA 8260D	1-13-22	1-13-22	
Acetone	0.80	0.55	EPA 8260D	1-13-22	1-13-22	
Iodomethane	ND	0.010	EPA 8260D	1-13-22	1-13-22	
Carbon Disulfide	0.0018	0.0015	EPA 8260D	1-13-22	1-13-22	
Methylene Chloride	ND	0.0075	EPA 8260D	1-13-22	1-13-22	
(trans) 1,2-Dichloroethene	ND	0.0015	EPA 8260D	1-13-22	1-13-22	
Methyl t-Butyl Ether	ND	0.0015	EPA 8260D	1-13-22	1-13-22	
1,1-Dichloroethane	ND	0.0015	EPA 8260D	1-13-22	1-13-22	
Vinyl Acetate	ND	0.0075	EPA 8260D	1-13-22	1-13-22	
2,2-Dichloropropane	ND	0.0015	EPA 8260D	1-13-22	1-13-22	
(cis) 1,2-Dichloroethene	ND	0.0015	EPA 8260D	1-13-22	1-13-22	
2-Butanone	0.13	0.0075	EPA 8260D	1-13-22	1-13-22	
Bromochloromethane	ND	0.0015	EPA 8260D	1-13-22	1-13-22	
Chloroform	ND	0.0015	EPA 8260D	1-13-22	1-13-22	
1,1,1-Trichloroethane	ND	0.0015	EPA 8260D	1-13-22	1-13-22	
Carbon Tetrachloride	ND	0.0015	EPA 8260D	1-13-22	1-13-22	
1,1-Dichloropropene	ND	0.0015	EPA 8260D	1-13-22	1-13-22	
Benzene	ND	0.0015	EPA 8260D	1-13-22	1-13-22	
1,2-Dichloroethane	ND	0.0015	EPA 8260D	1-13-22	1-13-22	
Trichloroethene	ND	0.0015	EPA 8260D	1-13-22	1-13-22	
1,2-Dichloropropane	ND	0.0015	EPA 8260D	1-13-22	1-13-22	
Dibromomethane	ND	0.0015	EPA 8260D	1-13-22	1-13-22	
Bromodichloromethane	ND	0.0015	EPA 8260D	1-13-22	1-13-22	
2-Chloroethyl Vinyl Ether	ND	0.0075	EPA 8260D	1-13-22	1-13-22	
(cis) 1,3-Dichloropropene	ND	0.0015	EPA 8260D	1-13-22	1-13-22	
Methyl Isobutyl Ketone	ND	0.0075	EPA 8260D	1-13-22	1-13-22	
Toluene	ND	0.0075	EPA 8260D	1-13-22	1-13-22	
(trans) 1,3-Dichloropropene	e ND	0.0015	EPA 8260D	1-13-22	1-13-22	

VOLATILE ORGANICS EPA 8260D

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Analyto	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Analyte Client ID:	CB-11-24-011222	FWL	METHOR	riepaieu	Allalyzeu	riays
Laboratory ID:	01-094-06	0.0015	EDA 0200D	4 42 22	1-13-22	
1,1,2-Trichloroethane	ND		EPA 8260D	1-13-22		
Tetrachloroethene	ND	0.0015	EPA 8260D	1-13-22	1-13-22	
1,3-Dichloropropane	ND	0.0015	EPA 8260D	1-13-22	1-13-22	
2-Hexanone	ND	0.0075	EPA 8260D	1-13-22	1-13-22	
Dibromochloromethane	ND	0.0015	EPA 8260D	1-13-22	1-13-22	
1,2-Dibromoethane	ND	0.0015	EPA 8260D	1-13-22	1-13-22	
Chlorobenzene	ND	0.0015	EPA 8260D	1-13-22	1-13-22	
1,1,1,2-Tetrachloroethane	ND	0.0015	EPA 8260D	1-13-22	1-13-22	
Ethylbenzene	ND	0.0015	EPA 8260D	1-13-22	1-13-22	
m,p-Xylene	ND	0.0030	EPA 8260D	1-13-22	1-13-22	
o-Xylene	ND	0.0015	EPA 8260D	1-13-22	1-13-22	
Styrene	ND	0.0015	EPA 8260D	1-13-22	1-13-22	
Bromoform	ND	0.0075	EPA 8260D	1-13-22	1-13-22	
Isopropylbenzene	ND	0.0015	EPA 8260D	1-13-22	1-13-22	
Bromobenzene	ND	0.0015	EPA 8260D	1-13-22	1-13-22	
1,1,2,2-Tetrachloroethane	ND	0.0015	EPA 8260D	1-13-22	1-13-22	
1,2,3-Trichloropropane	ND	0.0015	EPA 8260D	1-13-22	1-13-22	
n-Propylbenzene	0.0031	0.0015	EPA 8260D	1-13-22	1-13-22	
2-Chlorotoluene	ND	0.0015	EPA 8260D	1-13-22	1-13-22	
4-Chlorotoluene	ND	0.0015	EPA 8260D	1-13-22	1-13-22	
1,3,5-Trimethylbenzene	ND	0.0015	EPA 8260D	1-13-22	1-13-22	
tert-Butylbenzene	ND	0.0015	EPA 8260D	1-13-22	1-13-22	
1,2,4-Trimethylbenzene	0.0077	0.0015	EPA 8260D	1-13-22	1-13-22	
sec-Butylbenzene	ND	0.0015	EPA 8260D	1-13-22	1-13-22	
1,3-Dichlorobenzene	ND	0.0015	EPA 8260D	1-13-22	1-13-22	
p-Isopropyltoluene	0.0058	0.0015	EPA 8260D	1-13-22	1-13-22	
1,4-Dichlorobenzene	ND	0.0015	EPA 8260D	1-13-22	1-13-22	
1,2-Dichlorobenzene	0.0020	0.0015	EPA 8260D	1-13-22	1-13-22	
n-Butylbenzene	0.0051	0.0015	EPA 8260D	1-13-22	1-13-22	
1,2-Dibromo-3-chloropropane		0.0075	EPA 8260D	1-13-22	1-13-22	
1,2,4-Trichlorobenzene	ND	0.0015	EPA 8260D	1-13-22	1-13-22	
Hexachlorobutadiene	ND	0.0075	EPA 8260D	1-13-22	1-13-22	
Naphthalene	0.25	0.0075	EPA 8260D	1-13-22	1-13-22	
1,2,3-Trichlorobenzene	ND	0.0015	EPA 8260D	1-13-22	1-13-22	
Surrogate:	Percent Recovery	Control Limits			: : : 	
Dibromofluoromethane	102	74-131				
Toluene-d8	101	78-128				
4-Bromofluorohenzene	100	71-130				

4-Bromofluorobenzene 100 71-130



VOLATILE ORGANICS EPA 8260D QUALITY CONTROL

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Matrix: Soil Units: mg/kg

Offits. Hig/kg				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0113S1					
Dichlorodifluoromethane	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
Chloromethane	ND	0.0050	EPA 8260D	1-13-22	1-13-22	
Vinyl Chloride	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
Bromomethane	ND	0.0050	EPA 8260D	1-13-22	1-13-22	
Chloroethane	ND	0.0050	EPA 8260D	1-13-22	1-13-22	
Trichlorofluoromethane	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
1,1-Dichloroethene	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
Acetone	ND	0.010	EPA 8260D	1-13-22	1-13-22	
lodomethane	ND	0.0069	EPA 8260D	1-13-22	1-13-22	
Carbon Disulfide	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
Methylene Chloride	ND	0.0050	EPA 8260D	1-13-22	1-13-22	
(trans) 1,2-Dichloroethene	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
Methyl t-Butyl Ether	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
1,1-Dichloroethane	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
Vinyl Acetate	ND	0.0050	EPA 8260D	1-13-22	1-13-22	
2,2-Dichloropropane	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
(cis) 1,2-Dichloroethene	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
2-Butanone	ND	0.0050	EPA 8260D	1-13-22	1-13-22	
Bromochloromethane	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
Chloroform	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
1,1,1-Trichloroethane	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
Carbon Tetrachloride	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
1,1-Dichloropropene	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
Benzene	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
1,2-Dichloroethane	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
Trichloroethene	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
1,2-Dichloropropane	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
Dibromomethane	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
Bromodichloromethane	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
2-Chloroethyl Vinyl Ether	ND	0.0050	EPA 8260D	1-13-22	1-13-22	
(cis) 1,3-Dichloropropene	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
Methyl Isobutyl Ketone	ND	0.0050	EPA 8260D	1-13-22	1-13-22	
Toluene	ND	0.0050	EPA 8260D	1-13-22	1-13-22	
(trans) 1,3-Dichloropropene	ND	0.0010	EPA 8260D	1-13-22	1-13-22	

VOLATILE ORGANICS EPA 8260D QUALITY CONTROL

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				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0113S1					
1,1,2-Trichloroethane	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
Tetrachloroethene	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
1,3-Dichloropropane	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
2-Hexanone	ND	0.0050	EPA 8260D	1-13-22	1-13-22	
Dibromochloromethane	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
1,2-Dibromoethane	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
Chlorobenzene	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
1,1,1,2-Tetrachloroethane	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
Ethylbenzene	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
m,p-Xylene	ND	0.0020	EPA 8260D	1-13-22	1-13-22	
o-Xylene	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
Styrene	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
Bromoform	ND	0.0050	EPA 8260D	1-13-22	1-13-22	
Isopropylbenzene	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
Bromobenzene	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
1,1,2,2-Tetrachloroethane	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
1,2,3-Trichloropropane	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
n-Propylbenzene	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
2-Chlorotoluene	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
4-Chlorotoluene	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
1,3,5-Trimethylbenzene	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
tert-Butylbenzene	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
1,2,4-Trimethylbenzene	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
sec-Butylbenzene	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
1,3-Dichlorobenzene	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
p-Isopropyltoluene	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
1,4-Dichlorobenzene	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
1,2-Dichlorobenzene	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
n-Butylbenzene	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
1,2-Dibromo-3-chloropropane	ND	0.0050	EPA 8260D	1-13-22	1-13-22	
1,2,4-Trichlorobenzene	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
Hexachlorobutadiene	ND	0.0050	EPA 8260D	1-13-22	1-13-22	
Naphthalene	ND	0.0050	EPA 8260D	1-13-22	1-13-22	
1,2,3-Trichlorobenzene	ND	0.0010	EPA 8260D	1-13-22	1-13-22	
Surrogate:	Percent Recovery	Control Limits				
Dibromofluoromethane	102	74-131				
Toluene-d8	101	78-128				
4-Bromofluorobenzene	102	71-130				

VOLATILE ORGANICS EPA 8260D QUALITY CONTROL

Matrix: Soil Units: mg/kg

					Per	cent	Recovery		RPD	
Analyte	Result		Spike	Spike Level		Recovery		RPD	Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB01	13S1								
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	0.0520	0.0528	0.0500	0.0500	104	106	71-131	2	19	
Benzene	0.0511	0.0533	0.0500	0.0500	102	107	73-124	4	18	
Trichloroethene	0.0530	0.0551	0.0500	0.0500	106	110	79-130	4	18	
Toluene	0.0505	0.0512	0.0500	0.0500	101	102	76-123	1	18	
Chlorobenzene	0.0496	0.0508	0.0500	0.0500	99	102	78-122	2	18	
Surrogate:										
Dibromofluoromethane					101	104	74-131			
Toluene-d8					102	102	78-128			
4-Bromofluorobenzene					108	107	71-130			

% MOISTURE

Client ID	Lab ID	% Moisture	Date Analyzed
CB-11-20-011222	01-094-05	21	1-13-22
CB-11-24-011222	01-094-06	23	1-13-22



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 gas.
- 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.
- 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 The sample chromatogram is similar to mineral spirits.
- ND Not Detected at PQL
- PQL Practical Quantitation Limit
- RPD Relative Percent Difference





Chain of Custody

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Chromatograms with final report 🔲 Electronic Data Deliverables (EDDs) 🗌			te	Reviewed/Date		Reviewed/Date	
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