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REMEDIAL INVESTIGATION AND FEASIBILITY STUDY REPORT

18420 68TH AVENUE SOUTH
KENT, WASHINGTON

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ACRONYMS AND ABBREVIATIONS

ARARs	applicable, relevant and appropriate requirements
AS	air sparge
ATC	ATC Environmental Inc.
bgs	below ground surface
BTEX	benzene, toluene, ethylbenzene, and xylenes
CAM	CAM Industries, Inc.
cis-1,2-DCE	cis-1,2-dichloroethene
COCs	constituents of concern
COPCs	constituents of potential concern
cPAH	carcinogenic polycyclic aromatic hydrocarbon
CSM	conceptual site model
DCA	disproportionate cost analysis
DRO	total petroleum hydrocarbons as diesel-range organics
Ecology	Washington State Department of Ecology
EMS	Environmental Management Services, LLC
EPA	U.S. Environmental Protection Agency
Farallon	Farallon Consulting, L.L.C.
FS	Feasibility Study
GRO	total petroleum hydrocarbons as gasoline-range organics
HLA	Harding Lawson Associates
HVOCs	halogenated volatile organic compounds
ICU	Industrial Coatings Unlimited

ISCO	in-situ chemical oxidation
Lift	Lift Real Estate Partners Fund, LLC
mg/kg	milligrams per kilogram
µg/l	micrograms per liter
MTCA	Washington State Model Toxics Control Act Cleanup Regulation
NAVD88	North American Vertical Datum of 1988
ORO	total petroleum hydrocarbons as oil-range organics
PAHs	polynuclear aromatic hydrocarbons
PCE	tetrachloroethene
PID	photoionization detector
PQL	practical quantitation limit
Property	the property at 18420 68th Avenue South in Kent, Washington
RAO	remedial action objectives
RI	Remedial Investigation
SCFM	standard cubic feet per minute
Site	the area where hazardous substances have come to be located at concentrations exceeding applicable cleanup levels
SMP	Soil Management Plan
Storage Yard	an unpaved area used for vehicle parking, equipment staging, and materials storage on the eastern portion of the property at 18420 68th Avenue South in Kent, Washington
SVE	soil vapor extraction
TCE	trichloroethene
TEC	toxic equivalent concentration
TEE	Terrestrial Ecological Evaluation

TPH	total petroleum hydrocarbons
UST	underground storage tank
VCP	Voluntary Cleanup Program
VOCs	volatile organic compounds
WAC	Washington Administrative Code
West Valley Property	the south-adjoining property at 18417-18421 72nd Avenue South in Kent, Washington

EXECUTIVE SUMMARY

Farallon Consulting, L.L.C. (Farallon) has prepared this Remedial Investigation and Feasibility Study Report on behalf of Lift Real Estate Partners Fund, LLC for the property at 18420 68th Avenue South in Kent, Washington (Property). Lift Real Estate Partners Fund, LLC is under contract for the purchase of the Property from the current owner (Snider and Associates LLC), and plans to redevelop the Property with an industrial warehouse and distribution center. The preferred cleanup action alternative selected in the Feasibility Study would be conducted in conjunction with redevelopment.

The Property is part of the broader Site, which is defined under the Washington State Model Toxics Control Act Cleanup Regulation (MTCA) and its implementing regulations as established in Chapter 173-340 of the Washington Administrative Code (WAC 173-340) as comprising the area where hazardous substances have come to be located at concentrations exceeding applicable cleanup levels. Based on the results from the Remedial Investigation, the Site encompasses portions of the Property and the boundary with the south-adjoining property at 18417-18421 72nd Avenue South in Kent, Washington (West Valley Property).

The Property was enrolled in the Washington State Department of Ecology (Ecology) Voluntary Cleanup Program (VCP) as "Coating Unlimited Inc Kent" in October 2003, and was assigned VCP Project No. NW1172. The Property was removed from the VCP in 2007 due to inactivity.

The West Valley Property was enrolled in the VCP as "West Valley Business Park" in August 1999, and was assigned VCP Project No. NW0298. The West Valley Property was removed from the VCP in 2006 due to inactivity. The West Valley Property was added to the Ecology Confirmed and Suspected Contaminated Sites List in 1999 after a release of total petroleum hydrocarbons as diesel-range organics and as oil-range organics was detected in soil, and vinyl chloride and cis-1,2-dichloroethene were detected in groundwater at the property boundary between the Property and the West Valley Property. The West Valley Property received a determination of partial sufficiency from Ecology for the cleanup of total petroleum hydrocarbons as diesel-range organics and as oil-range organics in soil.

Multiple subsurface investigations and interim actions were conducted at the Property and the Site between 1987 and 2008. Interim actions have included underground storage tank decommissioning by permanent removal, excavation of petroleum- and metals-contaminated soil; and installation and operation of an air sparge groundwater treatment system to reduce concentrations of vinyl chloride and cis-1,2-dichloroethene in groundwater.

The previous investigations and interim actions performed by others did not provide sufficient information to meet the requirements under MTCA for a Remedial Investigation or selection of a preferred cleanup action alternative. One of the key objectives of this Remedial Investigation was to compile and evaluate historical data obtained by others and identify the data gaps to be addressed. In addition, the previous environmental investigations and interim actions were conducted more than 10 years ago, such that soil and groundwater conditions may have changed

due to attenuation of potential contaminants from natural processes and/or residual effects of the historical interim actions performed at the Site.

The Remedial Investigation was conducted by Farallon in multiple phases between 2019 and 2021 to evaluate current Site conditions, to further define the nature and extent of contamination, and to support the development and evaluation of cleanup action alternatives for the Site.

Based on results from the Remedial Investigation conducted at the Site, the following constituents of concern have been identified at concentrations exceeding MTCA cleanup levels and/or screening levels in soil, groundwater, and/or soil gas:

- Vinyl chloride and cis-1,2-dichloroethene in groundwater on the southern, northwestern, and northeastern portions of the Property;
- Tetrachloroethene and trichloroethene in soil gas;
- Oil-range organics in soil in a localized area on the southern portion of the Property; and
- Carcinogenic polycyclic aromatic hydrocarbons and lead in soil in a localized area on the east-central portion of the Property.

Arsenic was detected at concentrations exceeding MTCA cleanup levels in groundwater samples collected during the Remedial Investigation. However, concentrations of arsenic in groundwater are attributed to reducing conditions from wood debris in native saturated formation materials resulting in dissolution of naturally occurring solid-phase arsenic.

Based on the results from the Remedial Investigation, Farallon performed a Feasibility Study to develop and evaluate a selection of potential cleanup action alternatives under the criteria established under WAC 173-340-350. The following cleanup action alternatives were evaluated:

- Cleanup Alternative 1: Institutional and Engineered Controls and Monitored Natural Attenuation;
- Cleanup Alternative 2: In-Situ Chemical Oxidation, Limited Soil Excavation, and Engineered Controls; and
- Cleanup Alternative 3: Air Sparging and Soil Vapor Extraction, Limited Soil Excavation, and Engineered Controls.

Based on the results from the Feasibility Study and the Disproportionate Cost Analysis, the preferred cleanup action alternative selected was Cleanup Alternative 3, which includes installation of an air sparging and soil vapor extraction treatment system and limited spot excavations. Cleanup Alternative 3 also includes application of engineered controls, consisting of an impervious cap and building vapor barrier.

Cleanup Alternative 3 satisfies MTCA threshold criteria as specified in WAC 173-340-360(2)(a); meets additional requirements specified in WAC 173-340-360(2)(b), provides the greatest degree

of permanence and protectiveness, and provides the highest MTCA Composite Benefit Score for a cleanup alternative that is technically practicable.

Farallon, on behalf of Lift Real Estate Partners Fund, LLC, requests that Ecology issue an opinion that the Remedial Investigation and Feasibility Study are consistent with MTCA requirements, and that Cleanup Alternative 3 likely will result in a No Further Action determination.

1.0 INTRODUCTION

Farallon Consulting, L.L.C. (Farallon) has prepared this Remedial Investigation (RI) and Feasibility Study (FS) Report on behalf of Lift Real Estate Partners Fund, LLC (Lift) for the property at 18420 68th Avenue South in Kent, Washington (Property) (Figure 1). This RI/FS Report was prepared in accordance with the Washington State Model Toxics Control Act Cleanup Regulation (MTCA), as established in Chapter 173-340 of the Washington Administrative Code (WAC 173-340).

Lift is under contract for the purchase of purchase the Property from the current owner (Snider and Associates LLC), and plans to redevelop the Property with an industrial warehouse and distribution center. The preferred cleanup action alternative selected in the FS would be conducted in conjunction with redevelopment of the Property. A preliminary conceptual development plan is provided in Appendix A.

The Site, as defined under MTCA and its implementing regulations in WAC 173-340, comprises the area where hazardous substances have come to be located at concentrations exceeding applicable cleanup levels. Based on the results from the RI, the Site encompasses portions of the Property and the Property boundary with the south-adjoining property at 18417-18421 72nd Avenue South in Kent, Washington (West Valley Property).

The Property was enrolled in the Washington State Department of Ecology (Ecology) Voluntary Cleanup Program (VCP) as "Coating Unlimited Inc Kent" in October 2003, and was assigned VCP Project No. NW1172. The Property was removed from the VCP in 2007 due to inactivity. The West Valley Property was enrolled in the VCP as "West Valley Business Park" in August 1999, and was assigned VCP Project No. NW0298. The West Valley Property was removed from the VCP in 2006 due to inactivity. The West Valley Property was added to the Ecology Confirmed and Suspected Contaminated Sites List in 1999 after a release of hazardous substances was reported. Specifically, total petroleum hydrocarbons (TPH) as diesel-range organics (DRO) and as oil-range organics (ORO) were detected in soil on the West Valley Property, and vinyl chloride and cis-1,2-dichloroethene (cis-1,2-DCE) were detected in groundwater on the property boundary between the Property and the West Valley Property. The West Valley Property received a determination of partial sufficiency for DRO and ORO in soil from Ecology.

The Site will be enrolled in the VCP. This RI/FS Report will be submitted to Ecology with a request for an opinion on whether the selected preferred cleanup action alternative is sufficient to meet the substantive requirements of MTCA for the future issuance of a No Further Action determination.

1.1 PURPOSE

Multiple subsurface investigations and interim actions were conducted at the Site between 1987 and 2008. The previous investigations performed by others did not provide sufficient information to meet the requirements of WAC 173-340-350(7) for an RI or selection of a preferred cleanup

action alternative. One of the key objectives of this RI was to compile and evaluate historical data obtained by others and identify the data gaps to be addressed. In addition, the previous environmental investigations and interim actions were conducted more than 10 years ago, such that soil and groundwater conditions may have changed due to attenuation of potential contaminants from natural processes and/or residual effects of the historical interim actions performed at the Site.

The purpose of the RI was to collect the data necessary to adequately characterize the Site to develop and evaluate technically feasibly cleanup alternatives in accordance with WAC 173-340-350 through 173-340-370. The results from the RI provide sufficient data for use in evaluating feasible cleanup alternatives.

The purpose of the FS was to develop and evaluate cleanup action alternatives to facilitate selection of a cleanup action in accordance with WAC 173-340-350 through 173-340-370. The FS was conducted to screen available remediation technologies and identify a set of technically feasible and practicable cleanup action alternatives for evaluation in accordance with the requirements for cleanup actions established in WAC 173-340-360(2) and the expectations for cleanup action alternatives as specified in WAC 173-340-370.

1.2 REPORT ORGANIZATION

This report has been organized into the following sections:

- **Section 2, Background,** presents a description of the Property and its historical use, a history of adjacent property operations, the Site setting, and the geology and hydrogeology of the Site and region.
- **Section 3, Previous Environmental Investigations and Interim Actions,** presents a summary of previous environmental investigations and interim actions conducted at the Property between 1987 and 2008 by others.
- **Section 4, Remedial Investigation,** summarizes the data gaps to be addressed in the RI, the constituents of potential concern (COPCs), screening levels, the field program conducted between 2019 and 2021, and the nature and extent of contamination.
- **Section 5, Conceptual Site Model,** summarizes the results from the RI and the conceptual site model (CSM) developed for the Site, including the media of concern, the constituents of concern (COCs), confirmed and suspected sources, exposure pathways and receptors, and the Terrestrial Ecological Evaluation (TEE).
- **Section 6, Proposed Cleanup Standards,** presents the proposed cleanup levels and points of compliance for the COCs in soil and groundwater at the Site.
- **Section 7, Feasibility Study,** describes the scope of work and the results from the FS. Topics addressed are the applicable, relevant and appropriate requirements (ARARs) identified for the Site, the evaluation of feasible remediation technologies, the air sparging (AS) and soil vapor extraction (SVE) pilot tests conducted, the cleanup action alternatives

developed for the Site and the evaluation of the alternatives, the preferred alternative for implementation at the Site, the compliance monitoring to be conducted, and the restoration time frame.

- **Section 8, References,** provides a list of the source materials used in preparing this report.
- **Section 9, Limitations,** presents Farallon's standard limitations associated with conducting the work reported herein and preparing this report.

2.0 BACKGROUND

This section presents a description of the Property and its historical use, a history of adjacent property operations, the Site setting, and the geology and hydrogeology of the Site and region.

2.1 PROPERTY DESCRIPTION

The Property consists of King County Parcel Number 640760-0050, which totals 6.55 acres of land. According to the City of Kent, the Property is zoned in the Industrial Business District, which is intended for small- to moderate-scale industrial land uses. According to the King County Department of Assessments, the Property owner is Snider and Associates LLC.

The Property is developed with five buildings (Figure 2):

- Building 1, a two-story wood-framed office building totaling 10,488 square feet constructed in 1965;
- Building 2, a one-story wood-framed office building totaling 1,775 square feet constructed in 1948;
- Building 3, a pre-fabricated steel industrial manufacturing building totaling 59,437 square feet constructed in 1965;
- Building 4, a pre-fabricated steel warehouse/light industrial manufacturing building totaling 13,260 square feet constructed in 1966; and
- Building 5, a wood-framed materials-storage building totaling 7,800 square feet constructed in 1965.

Buildings 3 through 5 are adjoined as one building on the central portion of the Property. Storage buildings, portable storage containers, and covered storage areas are present along the south-central boundary of the Property. Small outbuildings and portable trailers used as a maintenance shop, a sandblast booth, and offices; and for parts storage are present along the eastern exterior of Building 4. An unpaved area used for vehicle parking, equipment staging, and materials storage is present on the eastern portion of the Property (Storage Yard). Paved parking areas are present on the western portion of the Property in the vicinity of Buildings 1 and 2. Small outbuildings and portable storage containers used for equipment, solvent, and paint storage are present on the southern portion of the Property. A concrete sump that reportedly collects surface stormwater runoff from the southern portion of the Property is present along the southern boundary of the Property. The sump reportedly discharges to the municipal storm sewer.

The Property is occupied by various tenants, and is used for office, manufacturing, light industrial, storage, and warehousing purposes. The tenants and their operations at the Property as of January 2020 consisted of:

Industrial Coatings Unlimited (ICU), operating as "Coatings Unlimited" prior to 2018: The majority of the Property is occupied by ICU. ICU has occupied the Property for over 20 years. ICU services the commercial, industrial, and marine markets. Operations include sandblasting, painting, and applying industrial coatings for corrosion control. ICU occupies a portion of Building 1 and portions of Buildings 3 through 5. ICU also occupies and/or uses the majority of the covered storage areas, storage buildings, and portable storage containers on the southern portion of the Property, and the portable trailers east of the Building 4. Materials are stored by ICU throughout exterior portions of the Property, with the majority stored in the Storage Yard.

Northwest Prefab: This tenant has occupied the Property since 2013. Northwest Prefab assembles wood panels for off-Property construction, occupies part of the western portion of Building 3, and stores wood on the eastern portion of the Storage Yard and on the southwestern portion of the Property.

Safe Systems: This tenant has occupied the Property for over 20 years. Safe Systems builds and fabricates sandblast equipment, and occupies portions of Building 1 and Building 3. Operations include welding, grinding, and milling. Lathes are used to smooth and shape various materials.

Natural Stoneworks: This tenant has occupied the Property for over 5 years and occupies the northwestern portion of Building 3. Natural Stoneworks operations include cutting and grinding stone slabs for installation at commercial and residential properties.

Protect Construction Services: This tenant has occupied the Property for over 5 years. Protect Construction Services conducts operations in Building 5 involving warehousing and storage of plastic wrapping, and uses a portion of Building 1 for office and retail sales purposes.

Phampena, Inc: This tenant has occupied the Property for approximately 1 year. Phampena, Inc operates as a general contractor and scaffolding rental company, and occupies Building 2 for storage of construction-related materials, tools, and equipment for off-Property use; and uses the southeastern portion of the Storage Yard for scaffolding storage.

CAM Industries, Inc. (CAM): This tenant has occupied the Property for over 20 years. CAM assembles heaters for resale, and occupies a small area in the western portion of Building 3, and a portion of Building 1. Equipment used by CAM on the Property includes small-scale tools and electric saws.

Dale: This tenant has occupied the Property for over 20 years, and uses a small tenant space in the western portion of the Building 3 for storage of tools and equipment.

2.2 PROPERTY HISTORICAL USE

The Property appeared undeveloped in 1937 and 1944 aerial photographs. By 1954, the southwestern portion of the Property appeared developed with the current Building 2, which was used as a private residence. By 1968, the Property appeared developed with Building 1 and

Buildings 3 through 5 and covered storage areas; Building 2 appeared to be used as a private residence; the eastern portion of the Property was undeveloped. By 1977, the Property appeared developed similar to the present, with Building 2 being used for commercial purposes, and the eastern portion of the Property being used as the Storage Yard by industrial tenants. The Property has remained relatively unchanged since 1977 (Farallon 2020).

City directory listings for the Property address included West Coast Electric in 1970, CAM Industries Inc. from 1970 through 2018, Washington Packaging from 1970 through 1985, Coates Electric Manufacturing Company from 1973 through 1985, COMPLT ABRASV BIST from 1980 through 1990, West Coast Electric from 1980 through 1985, CAB Abrasive Blasting from 1990 through 2002, Coates Heater Company from 1990 through 2002, Atlas Applicators from 1994 through 2018, Coatings Unlimited from 1994 through 2018, Seaport Fabrication, Steel Finishing Equipment, and Transonics in 1994, Carbek Steel in 1998, Cobra Machinery Fabrication Inc. from 1998 through 2002, Liden Dennis Enterprises welding in 1998, Pro Tect Construction Services from 1998 through 2018, Steel Abrasive Finishing Equipment from 1998 through 2018, West Coast Trailer Repair in 1998, and Trivitro Corporation abrasives from 2002 through 2018.

2.3 ADJACENT PROPERTY OPERATIONAL HISTORY

Adjacent properties are developed with industrial and commercial buildings. Layfield Group, an industrial fabric manufacturing and distribution warehouse, is directly south of the Property. Floor Dealz, a flooring supply retailer, and a civil engineering firm are directly north of the Property. 72nd Avenue South is directly east, followed by a PBS Logistics Ltd. distribution facility to the east. Sun Supply Inc., an industrial sign materials supply warehouse, and a single-family residence are directly to the southeast. West Valley Highway is directly west of the Property, followed by various commercial business offices.

- From at least 1937 through at least 1977, adjacent properties appeared developed with private residences, or were undeveloped and used for agricultural purposes.
- By 1981, the north-adjacent property appeared developed with private residences; the northeast-adjacent property appeared developed with a private residence similar to the present; the east-adjacent property appeared undeveloped; the current commercial/light industrial buildings were located on the south-adjacent property; and the current commercial buildings on the west-adjacent property were present.
- By 1990, one of the three current commercial buildings on the north-adjacent property was apparent; the remainder of the north-adjacent property appeared developed with a private residence, and the east-adjacent property remained undeveloped.
- By 2002 and through 2016, two of the current commercial buildings on the north-adjacent property were apparent, and the remainder of the north-adjacent property appeared developed with a private residence; the east-adjacent property appeared developed with the current commercial/light industrial building.

- By 2017, the third current commercial building on the north-adjacent property was apparent, and all other properties appeared similar to the present (Farallon 2020).

According to the city directory listings, historical businesses on adjacent properties included the following:

- The north-adjacent property included private residences from 1970 to 1994, and various engineering, contracting, and developer business offices from 1990 through 2018.
- The northeast-adjacent property included private residences from 1970 to 1994.
- The east-adjacent property included a cold storage and distribution warehouse from 2002 through 2018.
- The southeast-adjacent property included a wholesale distributor of automotive lubricants, equipment, and parts from 1980 to 1984; and a distribution warehouse from 1990 through 2018.
- The south-adjacent property included various commercial freight distribution warehouse facilities and manufacturing businesses from 1980 through 2018.
- The west-adjacent properties included commercial office buildings from 1980 through 2018.

2.4 SITE SETTING

The Site is in the Duwamish River valley, an approximately 8-mile-long north-south-trending valley that is bounded on the west and east by glacial upland areas. The Green River, approximately 310 feet northwest of the Site, flows northward through the valley to Puget Sound, approximately 15 miles to the north-northwest. The surface topography of the Site is relatively flat, at an approximate elevation of 27 feet North American Vertical Datum of 1988 (NAVD88).

2.5 SITE GEOLOGY AND HYDROGEOLOGY

The Geologic Map of the Renton Quadrangle (U.S. Geological Survey 1965) indicates that the Site is underlain by alluvium. These deposits consist of silt, sand, and clay deposited by the Green River.

Soil observed during subsurface investigations conducted by Farallon and others consisted of loose to medium dense interbedded silty sand, sandy silt, and silt to the maximum depth explored of 20 feet below ground surface (bgs). Wood debris was observed in multiple borings at depths ranging from approximately 15 to 19.5 feet bgs.

The locations of the geologic cross sections are shown on Figure 3. Cross sections depicting the general lithology of the Site are presented on Figures 4 and 5, which are based on field observations made during subsurface investigations conducted by Farallon and others, documented in boring logs (Appendix B).

Groundwater elevation contours were developed using the groundwater elevation data collected during the groundwater monitoring events conducted at the Site. Based on the depth-to-water measurements, calculated groundwater elevations ranged from 11.51 to 22.18 feet NAVD88 at the Site (Table 1). Based on groundwater levels measured during the May 24, 2021 groundwater monitoring event, the inferred groundwater flow direction is northwest toward the Green River, with an average horizontal hydraulic gradient of approximately 0.01 foot per foot. A groundwater elevation contour map for the Site is provided as Figure 6.

3.0 PREVIOUS ENVIRONMENTAL INVESTIGATIONS AND INTERIM ACTIONS

Multiple subsurface investigations and interim actions were conducted at the Property and the West Valley Property between 1987 and 2008. One of the key objectives of the RI for the Site was to compile and evaluate the historical data obtained by others and identify the data gaps to be addressed to complete the RI. Additionally, previous environmental investigations and interim actions were conducted more than 10 years ago. Soil and groundwater conditions may have changed due to attenuation of potential contaminants from natural processes and/or residual effects of historical interim actions performed at the Site.

Figure 3 shows the sampling locations for subsurface investigations conducted at the Site. Figure 7 shows the general locations of the interim action areas conducted between 1987 and 2006. Analytical results for halogenated volatile organic compounds (HVOCs) in groundwater and soil are summarized in Tables 2 and 3, respectively. Select tables and figures from previous environmental investigations and interim actions are provided in Appendix C.

The following chronological summary of previous investigations, interim actions, and regulatory history is based on data and information from documentation of previous environmental investigation and interim actions provided to Farallon by Lift and Ecology. Additional information pertaining to previous environmental investigations and interim actions, including site plans, sampling locations, and analytical tables, is provided in the referenced documents.

3.1 1987 UNDERGROUND STORAGE TANK REMOVAL

In July 1987, CAM (1987) decommissioned by permanent removal two 2,500-gallon underground storage tanks (USTs) containing gasoline and diesel fuel from the northern portion of the Property (Figure 7). During the UST removals, a single soil sample was collected and submitted for laboratory analysis for oil and grease, which were reported non-detect at the laboratory practical quantitation limit (PQL) of 20 milligrams per kilogram (mg/kg). The location or depth of the soil sample was not provided.

3.2 1990 SUBSURFACE INVESTIGATION

In November 1990, Harding Lawson Associates (HLA) (1991) conducted a subsurface investigation at the Property to evaluate soil conditions proximate to the USTs formerly present in the northern portion of the Property, and proximate to the sandblast booth east of Building 4 (Figure 3).

Two borings were advanced proximate to the former locations of the USTs. Soil samples were collected at depths ranging from 10 to 11.5 feet bgs, and submitted for laboratory analysis for TPH and benzene, toluene, ethylbenzene, and xylenes (BTEX). HLA (1991) reported that no obvious indications of petroleum contamination were observed or measured. ORO was detected at a

concentration of 580 mg/kg, less than the current MTCA Method A cleanup level of 2,000 mg/kg (Appendix C, HLA Figure 1 and Table 1).

Six shallow surface soil samples were collected proximate to the sandblast booth, and submitted for laboratory analysis for volatile organic compounds (VOCs) and metals. HLA (1991) observed soil staining in this area. Lead and chromium were detected at concentrations exceeding the MTCA Method A cleanup level in all of the samples analyzed. Concentrations of the remaining metals (barium, cadmium, copper, nickel, and zinc) and of VOCs were less than MTCA Method A cleanup levels in all samples analyzed (Appendix C, HLA Figure 1 and Table 1).

3.3 1991 INTERIM ACTION

In February 1991, HLA (1991) conducted an interim action at the Property to remove contaminated soil proximate to the former UST area and the sandblast booth (Figure 7; Appendix C, HLA Figures 2 and 3).

The soil excavation proximate to the former UST area extended to a depth of approximately 11 feet bgs. Approximately 54 cubic yards of soil was excavated and placed into two stockpiles at the Property. A performance soil sample was collected from each soil stockpile, and two confirmation soil samples were collected from the bottom of the excavation. The samples were submitted for laboratory analysis for DRO and ORO.

ORO was detected in the samples at concentrations less than the MTCA Method A cleanup level. DRO was reported non-detect at the laboratory PQL. ORO was detected at a concentration of 270 mg/kg in a soil sample collected from one of the soil stockpiles. Based on this result, the 17-cubic-yard soil stockpile was transported off the Property to a waste disposal facility.

Metals-contaminated soil that was previously identified proximate to the sandblast booth was excavated to depths ranging from 6 to 12 inches bgs and stockpiled. Soil samples were collected from the extents of the excavation and submitted for laboratory analysis for metals. Concentrations of lead and chromium exceeded MTCA Method A cleanup levels in all samples analyzed. The excavation continued laterally to the maximum extent practicable, but the lateral extent of the excavation was limited due to the presence of building foundations. HLA (1991) transported 48.5 tons of contaminated soil to the Chemical Waste Management facility in Arlington, Oregon.

3.4 1996-1997 SUBSURFACE INVESTIGATIONS

In 1996 and 1997, ATC Environmental Inc. (ATC) conducted multiple subsurface investigations at the West Valley Property after observing: a concrete-lined sump on the Property that was discharging to the West Valley Property through a 4-inch-diameter pipe; a 2-inch-diameter high-pressure hose that protruded from a building on the Property and appeared to discharge onto the West Valley Property; a hazardous-waste storage area on the southern portion of the Property; and compressors on the West Valley Property that appeared to be leaking oil (Figure 7). The purpose of the subsurface investigations was to evaluate potential source areas on the West Valley

Property for releases of hazardous substances related to the observations noted above. The subsurface investigations consisted of surface soil sampling, advancement of borings, and collection of soil and reconnaissance groundwater samples.

In November 1996, ATC (1997a) advanced hand-auger borings HA-1 through HA-4. Soil samples were collected at depths of 2 and 4 feet bgs, and submitted for laboratory analysis for TPH, VOCs, and metals. Concentrations of DRO and ORO exceeded the MTCA Method A cleanup level in a single soil sample collected from boring HA-2 at a depth of 2 feet bgs. VOCs and metals were either reported non-detect at the laboratory PQL or less than the MTCA Method A cleanup level in all soil samples analyzed (Appendix C; ATC Figure 1 and Table 1).

In January 1997, ATC (1997b) advanced borings B-1 through B-3 along the property boundary between the Property and the West Valley Property and collected reconnaissance groundwater samples for laboratory analysis for DRO, ORO, and VOCs. DRO and/or ORO were detected at concentrations exceeding the MTCA Method A cleanup level in the reconnaissance groundwater samples collected from borings B-1 and B-2. VOCs, including tetrachloroethene (PCE) and/or trichloroethene (TCE), were detected at concentrations less than MTCA Method A cleanup levels in the reconnaissance groundwater samples collected from borings B-1 through B-3 (Appendix C; ATC Drawing No. 1, and Columbia Analytical Services, Inc. Analytical Report).

In April 1997, ATC (1997c) collected surface soil samples S-1 and S-2 proximate to a compressor on the West Valley Property that was observed to be leaking oil. The samples were submitted for laboratory analysis for DRO and ORO. Concentrations of DRO and ORO exceeded the MTCA Method A cleanup level in the soil samples. ATC (1997c) compared the laboratory chromatograms to oil used in the compressor, and confirmed that the soil impacts were related to an oil leak from the compressor (Appendix C, ATC Figures 2 and 3).

3.5 1998 INTERIM ACTION

In October 1998, ATC (1999) conducted an interim action at the West Valley Property to remove DRO- and ORO-contaminated soil identified during previous investigations (Figure 7). The first excavation was extended to a maximum depth of 3 feet bgs proximate to the compressor. The second excavation was conducted proximate to the sump discharge area, and ranged in depth from 4 to 6 feet bgs.

ATC (1999) collected 43 soil samples during the excavation, and submitted the samples for laboratory analysis for DRO and ORO. Concentrations of DRO and ORO were less than the MTCA cleanup level in the confirmation soil samples collected from the final extents of the excavation areas, confirming that petroleum-contaminated soil had been removed (Appendix C, ATC Figures 4 through 6 and Table 1).

ATC (1999) transported 161.39 tons of petroleum-impacted soil to the Associated Sand & Gravel facility in Everett, Washington for disposal by thermal desorption.

3.6 1998 SUBSURFACE INVESTIGATION

In October 1998, Versar, Inc. (1998) conducted a subsurface investigation at the West Valley Property. The subsurface investigation included advancement of borings V-1 through V-4, and collection of reconnaissance groundwater samples for laboratory analysis for TPH and VOCs. Concentrations of DRO and ORO were reported non-detect at the laboratory PQL. Cis-1,2-DCE was detected at a concentration exceeding the MTCA Method A cleanup level in the reconnaissance groundwater sample collected from boring V-2, which was located on the boundary between the Property and the West Valley Property. Vinyl chloride was reported non-detect at the laboratory PQL of 1 microgram per liter (µg/l) in reconnaissance groundwater samples collected from borings V-1 through V-4 (Appendix C, Versar, Inc. Figure 3, and Transglobal Environmental Geosciences Northwest Inc. Laboratory Report).

3.7 1999 WEST VALLEY PROPERTY VCP ENROLLMENT

In August 1999, the West Valley Property was enrolled in the VCP as "West Valley Business Park" and was assigned VCP Project No. NW0298. The West Valley Property received a determination of partial sufficiency from Ecology for the cleanup of DRO and ORO in soil.

3.8 2000-2002 SUBSURFACE INVESTIGATIONS

In May 2000, ATC (2000a) installed monitoring wells SMW-1 through SMW-3 on the West Valley Property to evaluate groundwater conditions following the 1998 interim action (Figure 3). Soil samples were collected during well installation, and submitted for laboratory analysis for VOCs. Concentrations of VOCs were reported non-detect at the laboratory PQL in the soil samples analyzed (Appendix C, ATC Figure 2).

In May and June 2000, ATC (2000a, 2000b) collected groundwater samples from monitoring wells SMW-1 through SMW-3 for laboratory analysis for VOCs. Vinyl chloride was detected at concentrations of 150 and 24 µg/l in the groundwater samples collected from monitoring well SMW-2 in May and June 2000, respectively, exceeding the MTCA cleanup level of 0.2 µg/l. Monitoring well SMW-2 is located proximate to the concrete-lined sump on the Property (Figure 3). VOCs were reported non-detect at the laboratory PQL in the remaining groundwater samples analyzed (Appendix C, ATC Tables 1 and 2).

In July 2002, URS (2002) collected groundwater samples from monitoring wells SMW-1 through SMW-3 for laboratory analysis for VOCs. Concentrations of VOCs, including vinyl chloride and cis-1,2-DCE, were less than MTCA cleanup levels in all groundwater samples collected (Table 2; Appendix C, Analytical Resources Incorporated Laboratory Report).

3.9 2003 SUBSURFACE INVESTIGATION

In September 2003, Environmental Management Services, LLC (EMS) (2003a), conducted a subsurface investigation to evaluate groundwater on the southern portion of the Property that

potentially was impacted by the confirmed release of vinyl chloride and cis-1,2-DCE at the boundary with the West Valley Property, and potentially contaminated groundwater proximate to the location of the former USTs in the northern portion of the Property.

Borings Area-2-B6 through Area-2-B16 were advanced on the southern portion of the Property (Figure 3). A reconnaissance groundwater sample was collected from each boring, and submitted for laboratory analysis for VOCs. Concentrations of vinyl chloride and cis-1,2-DCE exceeded MTCA Method A cleanup levels in the reconnaissance groundwater samples analyzed. The highest concentration of vinyl chloride was 15 µg/l, detected in the reconnaissance groundwater sample collected from boring Area-2-B6, located proximate to the concrete-lined sump (Table 2).

Five borings were advanced proximate to the location of the former USTs (Figure 3). One soil sample and one reconnaissance groundwater sample were collected from borings Area-1-B3 and Area-1-B1, respectively. The samples were analyzed for TPH as gasoline-range organics (GRO), DRO, ORO, and BTEX, which were reported non-detect at the laboratory PQL (Appendix C, EMS Table 1).

3.10 2003 PROPERTY VCP ENROLLMENT

In October 2003, the Property was enrolled in the VCP as "Coatings Unlimited Inc Kent," and was assigned VCP Project No. NW1172. EMS (2003b) submitted a corrective action plan that included a scope of work for installing an AS groundwater treatment system on the southern portion of the Property.

3.11 2004-2006 INTERIM ACTION

In June 2004, EMS (2010) installed an AS groundwater treatment system to reduce concentrations of HVOCs, including vinyl chloride and cis-1,2-DCE, in groundwater on the southern portion of the Property. The general location of the treatment area is shown on Figure 7. EMS also installed monitoring wells MW-1 through MW-3 to monitor groundwater conditions in the treatment area (Figure 3).

The AS groundwater treatment system operated from June 2004 through December 2006. Monitoring wells MW-1 through MW-3 were sampled on a quarterly basis from September 2004 through May 2008 (EMS 2010).

According to EMS (2008b), concentrations of vinyl chloride and cis-1,2-DCE in groundwater decreased considerably during operation of the AS groundwater treatment system. However, concentrations of vinyl chloride and cis-1,2-DCE continued to exceed MTCA Method A cleanup levels in groundwater samples collected from monitoring wells MW-1 and MW-2 (Table 2). Following shutdown of the AS groundwater treatment system in December 2006, concentrations of vinyl chloride and/or cis-1,2-DCE in groundwater increased, and consistently exceeded MTCA Method A cleanup levels in monitoring wells MW-1 through MW-3 (Table 2).

3.12 2007 ECOLOGY OPINION

In December 2007, Ecology (2007) provided an opinion that additional characterization, including installation of additional monitoring wells, was necessary to evaluate the extent of vinyl chloride and cis-1,2-DCE in groundwater at the Property and at the West Valley Property. Ecology also indicated that groundwater should be screened based on the beneficial use of groundwater, which is protection of the nearby surface water of the Green River.

3.13 2008 SUBSURFACE INVESTIGATION

In 2008, EMS (2008a) conducted a subsurface investigation to further delineate the nature and extent of vinyl chloride- and cis-1,2-DCE-contaminated groundwater at the Site. The subsurface investigation included advancement of borings EMS-B1 through EMS-B5 on the West Valley Property, and borings EMS-B6 through EMS-B14 on the Property. The borings were located up-gradient of confirmed groundwater impacts on the West Valley Property; on the eastern, western, and northern boundaries of the Property; and in the Storage Yard (Figure 3). Soil and reconnaissance groundwater samples were collected, and submitted for laboratory analysis for VOCs.

Vinyl chloride and/or cis-1,2-DCE was detected at concentrations exceeding MTCA cleanup levels in reconnaissance groundwater samples collected from borings EMS-B8, EMS-B9, and EMS-B12, which were advanced on the northern, southwestern, and central portions of the Property, respectively (Table 2). The remaining reconnaissance groundwater samples collected on the eastern, northern, and western portions of the Property were either reported non-detect at the laboratory PQL or less than MTCA cleanup levels. Concentrations of VOCs, including vinyl chloride and/or cis-1,2-DCE, were reported non-detect at the laboratory PQL in the groundwater samples collected from up-gradient borings EMS-B1 through EMS-B5 on the West Valley Property (Table 2).

TCE was detected at a concentration of 0.091 mg/kg, which exceeds the MTCA Method A cleanup level of 0.03 mg/kg, in a single soil sample collected from boring EMS-B9 at a depth of 12 feet bgs. Concentrations of VOCs were reported either non-detect at the laboratory PQL or less than MTCA cleanup levels in the remaining soil samples analyzed (Table 3).

4.0 REMEDIAL INVESTIGATION

The overall objective of the RI performed by Farallon was to collect and evaluate sufficient information to support the development of feasible cleanup action alternatives for the Site in accordance with WAC 173-340-350 through WAC 173-340-370. Specific objectives of the RI were to: 1) identify the COPCs and the media of concern at the Site; 2) evaluate the data gaps from previous investigations; 3) evaluate current Site conditions following previous interim actions; 4) identify the potential source(s) of the release(s) of COPCs; 5) identify the nature and extent of COPCs in the identified media of concern; and 6) develop and refine a CSM for the Site.

The RI was conducted in several phases between December 2019 and May 2021. A summary of the data gaps, COPCs, screening levels, field program, and nature and extent of contamination is provided in the following sections.

4.1 DATA GAPS

One of the key objectives of the RI for the Site was to compile and evaluate historical data obtained by others and identify the data gaps to be addressed to complete the RI. The previous investigations performed by others did not provide sufficient information to meet the requirements under MTCA for an RI. In addition, the previous environmental investigations and interim actions were conducted more than 10 years ago. Soil and groundwater conditions may have changed due to attenuation of potential contaminants from natural processes and/or residual effects of the historical interim actions performed at the Site.

Specific data gaps consisted of the following:

- **Soil.** The nature and extent of COPCs in soil had not been adequately characterized in previous environmental investigations. Additional investigation was needed to:
    - Identify potential HVOC source areas.
    - Characterize the nature and extent of metals-contaminated soil proximate to the sandblast booth.
    - Evaluate current soil conditions proximate to the former USTs on the northern portion of the Property.
    - Evaluate soil for COPCs in areas with limited data.
- **Groundwater.** The nature and extent of COPCs in groundwater had not been adequately characterized in previous environmental investigations. Additional investigation was needed to:
    - Evaluate vinyl chloride and cis-1,2-DCE in groundwater at the Site, including the southern portion of the Property in the vicinity of the AS groundwater treatment system that operated from June 2004 through December 2006. Groundwater

sampling had not been conducted in this treatment area since 2008, and current conditions are unknown.

  - Evaluate groundwater for COPCs in areas with limited data.
  - Evaluate groundwater conditions at the Site with groundwater samples collected using low-flow techniques from properly installed and developed monitoring wells. Previous investigations included groundwater sampling only from monitoring wells on the southern portion of the Property. The reconnaissance groundwater samples collected from other areas of the Property were obtained from open borings with limited to no development prior to sampling. This method typically results in increased sample turbidity, which can bias detected chemical concentrations high, particularly for metals and hydrophobic organic compounds. If no exceedances are detected in reconnaissance groundwater samples, there is a high level of confidence that contaminant concentrations in groundwater are less than MTCA cleanup levels at that location. Groundwater samples collected from properly installed and developed monitoring wells are considered to be most-representative of groundwater quality.
  - Evaluate the groundwater to surface water exposure pathway.

- **Soil Gas.** Soil gas sampling had not been conducted in previous environmental studies. Additional investigation was needed to:
  - Evaluate the potential vapor intrusion pathway for existing and future buildings at the Property.
  - Identify potential source areas for HVOCs.

4.2 CONSTITUENTS OF POTENTIAL CONCERN

Soil, groundwater, and/or soil gas samples collected during the RI were analyzed for the COPCs identified for the Site. The COPCs were selected based on the historical uses of the Property and West Valley Property, the proximity to potential sources of contamination, and results from previous investigations and interim actions. The COPCs consisted of the following:

- GRO, DRO, and ORO;
- VOCs, including BTEX and HVOCs;
- Metals, including arsenic, barium, cadmium, chromium, lead, mercury, selenium, silver; and
- Polycyclic aromatic hydrocarbons (PAHs).

4.3 SCREENING LEVELS

This section presents the screening levels—the values that were derived to evaluate data collected during the RI to assess the nature and extent of contamination at the Site. The Site screening levels

were developed based on current and potential future exposure pathways and receptors, as described in Section 5.3. Proposed cleanup standards were developed based on results from the RI, presented in Section 6.

Cleanup levels under MTCA may be established under Method A, Method B, or Method C. Per WAC 173-340-704(1)(a) and 173-340-704(1)(b), MTCA Method A cleanup levels are appropriate for use at sites where:

- Few hazardous substances have been detected;
- The site is undergoing a routine cleanup action; and
- Numerical standards are available for applicable COPCs and media of concern.

MTCA Method A cleanup levels for unrestricted land use are appropriate for the affected media at the Site based on the criteria listed above.

The proposed soil and groundwater cleanup levels were used as preliminary screening levels for the RI. MTCA Method A cleanup levels for soil and groundwater have been established for the majority of the COPCs at the Site. If a MTCA Method A cleanup level has not been established for a specific COPC, the MTCA Method B cleanup level was used as the Site screening level.

Cleanup levels also consider both direct exposure pathways and exposure from intermedia transport. The following intermedia transport pathways were considered applicable during selection of screening levels:

- The groundwater to surface water pathway;
- The soil to groundwater pathway; and
- The groundwater to air pathway.

Concentrations of COPCs were compared to surface water cleanup standards due to the location of the Green River approximately 310 feet northwest of the Site. Based on the results from the RI, the potential transport pathway to surface water (i.e., the Green River) is incomplete. In addition, the proposed cleanup action alternative will eliminate future migration of COPCs to surface water. Additional details on exposure pathways are provided in Section 5.3.

The screening levels for soil gas are the MTCA Method B screening levels for protection of human health for residential and commercial exposure scenarios.

4.4 FIELD PROGRAM

The RI field program performed between December 2019 and May 2021 was conducted to address the data gaps listed in Section 4.1, and was composed of the following work elements: utility locate, boring advancement and soil and reconnaissance groundwater sample collection, monitoring well installation and development, groundwater monitoring, soil gas sampling, a

passive soil gas survey, and a pilot study. A summary of the scope of work conducted for each of these work elements and of the laboratory analyses conducted is provided below. Sample locations for the RI are shown on Figure 3.

4.4.1 Utility Locate

Applied Professional Services, Inc. of North Bend, Washington and Linescape, LLC of Seattle, Washington performed private utility locate surveys before each subsurface investigation, and identified underground utilities in the vicinity of each proposed boring location. The Northwest Utility Notification Center located public utilities in the vicinity of the Site.

4.4.2 Boring Advancement and Soil Sample Collection

A total of 46 borings, including those completed as monitoring wells, were advanced for the RI field program (Figure 3). Borings were advanced for collection of soil and/or reconnaissance groundwater samples, installation of monitoring wells, and installation of pilot study wells. Drilling services were provided by ESN Northwest, Inc. of Olympia, Washington, and Holt Services, Inc. of Edgewood, Washington.

Before borings were advanced for soil sample collection, each boring location was manually cleared for utilities using a vacuum excavator to depths of between 3 and 5 feet bgs. Soil samples collected in the utility clearance interval were obtained using a hand-auger. Once each location was cleared for utilities, a direct-push drill rig was used to advance each boring to total depth. Borings were continuously sampled using 5-foot probe rods lined with disposable polyvinyl chloride or Teflon liners that were removed and cut to reveal the sample after each interval driven. Soil samples were described by a Farallon Geologist in accordance with the Unified Soil Classification System, and screened in the field for potential visual and olfactory evidence of contamination, and by headspace analysis using a photoionization detector (PID) to detect the presence of VOCs. Headspace analysis was performed by placing soil from each sample interval into a sealable plastic bag and allowing the sample to sit for at least 30 seconds. The probe of the PID was inserted into the bag, and the highest reading obtained over an approximately 30-second interval was recorded. The PID readings, the Unified Soil Classification System symbol, and visual and olfactory notations for the samples were recorded on boring logs. Select boring logs are provided in Appendix B.

Soil samples retained for laboratory analysis were collected in laboratory-supplied containers, placed on ice, and transported to OnSite Environmental Inc. of Redmond, Washington.

Upon reaching total depth, borings that were not completed as groundwater monitoring wells were backfilled with bentonite and completed at the surface with concrete.

4.4.3 Reconnaissance Groundwater Sample Collection

Reconnaissance groundwater samples were collected by placing a temporary polyvinyl chloride or stainless steel well screen into the open borehole, and using a peristaltic pump to draw water from the borehole. Water was pumped directly into laboratory-prepared sample containers. Each

container was labeled with a unique sample identification number, placed on ice in a cooler, and transported to OnSite Environmental Inc. for laboratory analysis.

4.4.4 Groundwater Monitoring Well Installation and Development

A total of 15 monitoring wells (FMW-1 through FMW-15) were installed during the RI (Figure 3). Construction details for the wells are provided in Appendix B.

Following monitoring well installation, each well was developed using a downhole pump to surge and purge the well until water pumped from the well appeared clear. In March 2021, monitoring wells MW-1 through MW-3, which were installed in 2004, were redeveloped to ensure the filter pack was effectively reducing turbidity in the monitoring wells to ensure collection of representative groundwater samples. Approximately 20 to 30 gallons of water was purged from each well until the water was observed to be clear.

The monitoring well locations and elevations were surveyed by Professional Land Surveyors, Inc. of Issaquah, Washington. The monitoring well top of casings and top of monument were surveyed to an accuracy of 0.01 foot using a NAVD88 benchmark.

4.4.5 Groundwater Monitoring

Groundwater monitoring events were conducted in December 2019, June and September 2020, and March and May 2021. During each groundwater monitoring event, well caps were opened, and groundwater levels were allowed to equilibrate for at least 30 minutes. The depth to groundwater in each monitoring well was then measured to the nearest 0.01 foot using a water-level meter.

Groundwater samples were collected in accordance with U.S. Environmental Protection Agency (EPA) (1996) procedures, and a Site-specific work plan summary was prepared before each monitoring event. Purging and sampling of each monitoring well was performed using a peristaltic pump and dedicated silicone and polyethylene tubing, at flow rates ranging from approximately 100 to 300 milliliters per minute. The tubing intake generally was placed in the middle of the screen interval.

During purging, water quality was monitored using a YSI Pro DSS water-quality system equipped with a flow-through cell. The water-quality parameters temperature, pH, specific conductance, dissolved oxygen, oxidation reduction potential, and turbidity were monitored and recorded at 3-minute intervals during purging. Following purging, groundwater samples were collected from the pump outlet tubing located upstream of the flow-through cell, and placed directly into laboratory-prepared sample containers. Samples for analysis for dissolved metals were collected through a 0.45-micron field filter that was attached to the pump outlet and removed prior to filling containers for other analyses. Each container was labeled with a unique sample identification number, placed on ice in a cooler, and transported to OnSite Environmental Inc. for laboratory analysis.

4.4.6 Soil Gas Sampling

Soil gas sampling was conducted at the Property in December 2019 and May 2020 to evaluate potential vapor intrusion in existing and future buildings at the Site. Soil gas sampling involved collection of 18 subsurface soil gas samples (sample locations SG-1 through SG-4 and F-1 through F-14). Soil gas sample locations are shown on Figure 3.

Temporary soil gas sampling points were installed by ESN Northwest using a direct-push drill rig to depths ranging from approximately 0.5 to 5 feet bgs. Expendable soil gas sampling anchor points and Teflon tubing were advanced using 1-inch-diameter steel rods. The discrete soil gas samples were collected in 1-liter Summa canisters, and transported to Friedman & Bruya, Inc. of Seattle, Washington for analysis.

Soil gas samples SG-1 through SG-4 were collected within a temporary helium-filled shroud to prevent sample contamination from the ambient atmosphere above the building slab. Soil gas samples from sample locations F-1 through F-14 were not collected within a shroud or with other leak-testing methodology.

4.4.7 Passive Soil Gas Survey

The passive soil gas survey was conducted in September and October 2020 to evaluate potential source areas of VOCs beneath the Property. Passive soil gas surveys provide qualitative data regarding distribution of VOCs in soil gas, and cannot be compared to MTCA cleanup levels or screening levels. Results from the passive soil gas survey were used to focus soil sampling to determine whether source areas for VOCs were present beneath the Property.

The passive soil gas survey included installation of 113 passive soil gas samplers on a predetermined 50-foot grid pattern. Holt Services, Inc. advanced borings to an depth of approximately 3 feet bgs using hand-held rotary hammer drills. The passive soil gas samplers were inserted into each boring by a Farallon Scientist, secured with string and a cork plug, and allowed to sit for 10 days prior to retrieval. The passive soil gas samplers were retrieved after the 10-day collection period, placed into individual vials, and shipped under standard chain-of-custody protocols to Amplified Geochemical Imaging, LLC of Newark, Delaware for analysis.

Upon removal of the passive soil gas samplers, each borehole was backfilled with clean silica sand, and patched at the surface with concrete or asphalt.

4.4.8 Pilot Study

An air sparging (AS) and soil vapor extraction (SVE) pilot study was conducted in March 2021. The pilot study was conducted to develop and evaluate cleanup action alternatives for the FS. The pilot study included installation of AS well AS-1, SVE well SVE-1, and monitoring wells FMW-10 and FMW-11 proximate to existing monitoring well MW-4. Monitoring wells FMW-10 and FMW-11 were used as observation wells during the pilot study, but were not included in the groundwater monitoring event conducted in March 2021. Construction details for the wells are provided in Appendix B. The pilot study is described in greater detail in Section 7.3.

4.4.9 Laboratory Analyses

4.4.9.1 Soil

Soil samples collected during the field program were analyzed for one or more of the following analytes by the method indicated:

- DRO and ORO by Northwest Method NWTPH-Dx;
- GRO by Northwest Method NWTPH-Gx;
- BTEX by EPA Method 8021B or 8260D;
- VOCs by EPA Method 8260D;
- PAHs by EPA Method 8270E/Selective Ion Mode; and
- Total metals (arsenic, barium, cadmium, chromium, lead, mercury, selenium, and silver) by EPA Method 6010D/7471B.

4.4.9.2 Groundwater

Groundwater samples collected during the field program were analyzed for one or more of the following analytes by the method indicated:

- DRO and ORO by Northwest Method NWTPH-Dx;
- GRO by Northwest Method NWTPH-Gx;
- BTEX by EPA Method 8021B or 8260D;
- VOCs by EPA Method 8260D or 8260D/Selective Ion Mode;
- PAHs by EPA Method 8270E/Selective Ion Mode; and
- Total and/or dissolved metals (arsenic, cadmium, chromium, lead, and mercury) by EPA Method 200.8/245.1/7470A.

4.4.9.3 Soil Gas

Soil gas samples collected during the field program were analyzed for VOCs using EPA Method TO-15.

Passive soil gas samplers were analyzed for VOCs using the Geochemical Imaging, LLC screening method, which is a modified version of EPA Method 8260C.

4.5 NATURE AND EXTENT OF CONTAMINATION

The nature and extent of contamination at the Site as defined in WAC 173-340-350 has been sufficiently characterized by the results from the RI to evaluate technically feasible cleanup alternatives. This section presents a discussion of the nature and extent of contamination in the affected media. The analytical results for COPCs are summarized in Tables 2 through 11, and

shown on Figures 8 through 17. Select laboratory analytical reports for the samples collected during the RI are provided in Appendix D. The distribution of VOCs from the passive soil gas survey is shown on the maps in the Mapping Report provided in Appendix E.

4.5.1 Halogenated Volatile Organic Compounds

Concentrations of vinyl chloride and cis-1,2-DCE exceeded MTCA Method A cleanup levels in seven of the reconnaissance groundwater samples collected from borings advanced in the central portion of the Site down-gradient of the AS groundwater treatment system that operated from June 2004 through December 2006. Reconnaissance groundwater samples are collected from open borings with limited to no development prior to sampling. This method typically results in increased sample turbidity, which can bias detected chemical concentrations high, particularly for metals and hydrophobic organic compounds. Monitoring wells were installed during the RI to provide more-representative groundwater quality data.

cis-1,2-DCE was detected at a concentration of 18 µg/l in a groundwater sample collected from monitoring well MW-1 in December 2019, which exceeds the MTCA Method B cleanup level of 16 µg/l (Figure 8; Table 2). The concentrations of cis-1,2-DCE were less than the MTCA Method B cleanup level in the groundwater samples collected from monitoring well MW-1 in June and September 2020 and March 2021.

Vinyl chloride was detected at concentrations exceeding the MTCA Method A cleanup level of 0.2 µg/l in the groundwater samples collected from monitoring wells FMW-1, FMW-2, FMW-4, FMW-6, and MW-3 during one or more of the groundwater monitoring events conducted between December 2019 and March 2021 (Figure 8; Table 2). Vinyl chloride was detected at concentrations ranging from 0.33 µg/l in the groundwater sample collected from monitoring well FMW-2 to 4.3 µg/l in the groundwater sample collected from monitoring well FMW-4. Due to the proximity of the Green River, groundwater analytical results were compared also to the surface water standard of 0.02 µg/l. Vinyl chloride was reported non-detect at the laboratory PQL of 0.02 µg/l for samples collected from monitoring wells FMW-1, FMW-5, FMW-7, FMW-8, FMW-9, and FMW-15, located on the northern and western portions of the Property, down-gradient of vinyl chloride-impacted groundwater, during the March and/or May 2021 groundwater monitoring events. In addition, vinyl chloride was reported non-detect at the laboratory PQL of 0.02 µg/l in the groundwater sample collected from monitoring well FMW-14 located proximate to the Green River in May 2021 (Figure 8; Table 2).

According to the results from groundwater sampling, distribution of vinyl chloride was intermittent, and data suggested the presence of multiple distinct source areas for VOCs in groundwater. A passive soil gas survey was conducted in September and October 2020 to evaluate potential source areas. Several PCE and TCE areas were identified based on the results from the passive soil gas survey. The highest-concentration PCE and TCE areas were identified in the general vicinity of the maintenance shop, the solvent storage area on the southern portion of the Property, the northeastern portion of the Storage Yard, and the northwestern portion of Building 3 (Appendix E). The areas with vinyl chloride- and cis-1,2-DCE-contaminated groundwater

correlate with the PCE and TCE areas identified during soil gas sampling and the passive soil gas survey conducted in 2019 and 2020.

In 2021, soil samples were collected proximate to the PCE and TCE areas identified during soil gas sampling and the passive soil gas survey. PCE, TCE, and/or cis-1,2-DCE were detected at concentrations less than MTCA cleanup levels in soil samples collected proximate to the PCE and TCE areas identified during soil gas sampling and the passive soil gas survey (Figure 9; Table 3). TCE exceeded the MTCA Method A cleanup level in a single soil sample collected at a depth of 12 feet bgs from boring EMS-B9 during an environmental investigation conducted by others in 2008. In May 2021, boring F-31 was advanced immediately adjacent to boring EMS-B9. Multiple soil samples were collected and analyzed at depths ranging from 5 to 19.5 feet bgs, including a sample collected at 12 feet bgs. HVOCs, including TCE, were detected at concentrations less than the MTCA cleanup levels in all soil samples collected from boring F-31 (Figure 9; Table 3).

Concentrations of PCE and TCE exceeded the MTCA Method B soil gas screening level for a commercial exposure scenario (Table 11). The highest concentrations of PCE and TCE were detected at soil gas sampling locations F-1 and F-11, located proximate to the solvent storage area on the southern portion of the Property, and the maintenance shop, respectively.

These data indicate the following:

- Releases of HVOCs likely are related to multiple residual sources from historical and/or current industrial operations at the Property.
- The AS groundwater treatment system that operated on the southern portion of the Site from June 2004 through December 2006 was successful in remediating vinyl chloride- and cis-1,2-DCE-contaminated groundwater within the effective treatment area.
- Monitoring well MW-3, located on the southern portion of the Site, contains concentrations of vinyl chloride exceeding the MTCA cleanup level. The location of this monitoring well likely was outside the effective treatment area of the AS groundwater treatment system that operated from June 2004 through December 2006.
- Residual vinyl chloride- and cis-1,2-DCE-contaminated groundwater is present in multiple distinct locations at the Site, including the maintenance shop, the northeastern portion of the Storage Yard, the southern portion of Building 3 proximate to well FMW-04, the northwestern portion of Building 3, and the solvent storage area on the southern portion of the Property proximate to monitoring well MW-3.
- The transport pathway for groundwater to surface water is incomplete.
- HVOCs are not present in soil at concentrations exceeding MTCA cleanup levels. In 2008, TCE was detected at a concentration exceeding the MTCA Method A cleanup level in a single soil sample collected during previous investigations conducted at the Site between 1990 and 2008. During the RI, soil sampling was conducted proximate to the 2008 exceedance to evaluate current soil conditions. Based on the results from the RI, TCE soil

concentrations have decreased likely due to attenuation from natural processes and/or residual effects of the historical interim actions performed at the Site.

- Soil gas containing PCE and TCE is present at the Site, and likely is associated with residual sources related to the solvent storage area and the maintenance shop.

4.5.2 Total Petroleum Hydrocarbons

ORO was detected at a concentration exceeding the MTCA Method A cleanup level in a single shallow soil sample collected from boring B-5 at a depth of 5 feet bgs. ORO was reported either non-detect at the laboratory PQL or at concentrations less than the MTCA Method A cleanup level in the remaining soil samples analyzed, including borings F-14 through F-17, which were advanced proximate to boring B-5 to define the extent of ORO impacts in soil (Figure 10; Table 4). Concentrations of DRO, ORO, GRO, and BTEX were reported either non-detect at the laboratory PQLs or less than MTCA Method A cleanup levels in the remaining soil samples analyzed (Figures 10 and 11; Table 4).

Concentrations of DRO, ORO, GRO, and BTEX were reported either non-detect at the laboratory PQLs or less than the MTCA Method A cleanup levels in reconnaissance groundwater samples and groundwater samples collected from monitoring wells at the Site (Figures 12 and 13; Table 5).

These data indicate the following:

- An anomalous shallow localized area of ORO-contaminated soil is present proximate to boring B-5.
- Soil and groundwater are not impacted proximate to the former USTs on the northern portion of the Property.

4.5.3 PAHs

The total carcinogenic PAH (cPAH) toxic equivalent concentration (TEC) exceeded the MTCA Method A cleanup level for unrestricted land use of 0.1 mg/kg in the soil sample collected from boring B-4 at a depth of 1.0 foot bgs (Figure 14; Table 6). The total cPAH TEC detected in soil at a depth of 1.0 foot bgs in boring B-4 was 0.303 mg/kg. The total cPAH TEC did not exceed the MTCA cleanup level in the soil sample collected in boring B-4 at a depth of 5.0 feet bgs.

The total cPAH TECs were reported non-detect at the laboratory PQL in reconnaissance groundwater samples and groundwater samples collected from monitoring wells at the Site, including the reconnaissance groundwater sample collected from boring B-4 (Figure 15; Table 7).

These data indicate that a shallow localized area of cPAH-contaminated soil is present proximate to boring B-4 and the sandblast booth.

4.5.4 Metals

Lead was detected at a concentration exceeding the MTCA Method A cleanup level in a single shallow soil sample collected from boring B-4 at a depth of 1 foot bgs. Lead was reported either non-detect at the laboratory PQL or at concentrations less than the MTCA Method A cleanup level in the remaining soil samples analyzed, including those collected from borings F-19 through F-23, which were advanced proximate to boring B-4 to define the extent of lead (Figure 16; Table 8). The concentration of total lead was less than the MTCA Method A cleanup level in the reconnaissance groundwater sample collected from boring B-4 (Table 9).

Total arsenic, chromium, and lead were detected at concentrations exceeding MTCA Method A cleanup levels in reconnaissance groundwater samples collected from the Property (Table 9). Chromium or lead was not detected at a concentration exceeding MTCA Method A cleanup levels in groundwater samples collected from properly installed and developed monitoring wells at the Property, with the exception of the groundwater sample collected from monitoring well FMW-4 in December 2019. The concentrations of total chromium and lead detected in December 2019 in the groundwater sample collection from monitoring well FMW-4, which was installed 6 days before the sample was collected, were attributed to suspended solids in the groundwater sample collected. Concentrations of chromium and lead in groundwater samples collected from monitoring well FMW-4 during subsequent monitoring events were significantly less than the MTCA Method A cleanup level (Table 9).

Dissolved arsenic was detected at concentrations exceeding the MTCA Method A cleanup level in groundwater samples collected from monitoring wells FMW-3 through FMW-5, FMW-7, FMW-8, and MW-3. Concentrations of dissolved arsenic were consistent with the unpublished state-wide background concentration of 7 µg/l (Ecology 2018) in groundwater samples collected from monitoring wells FMW-5, FMW-7, and FMW-8 (Figure 17; Table 9).

Concentrations of dissolved arsenic detected in groundwater sampled collected during the RI ranged from 12 µg/l in monitoring well MW-3 to 49 µg/l in monitoring well FMW-3. Groundwater monitoring for these monitoring wells indicated that oxidation-reduction potential was negative, which is indicative of reducing conditions. In addition, naturally occurring wood debris was observed in multiple borings, including the borings for these monitoring wells, in the saturated zone at depths ranging from approximately 15 to 19.5 feet bgs.

These data indicate the following:

- A shallow localized area of cPAH-contaminated soil is present proximate to boring B-4 and the sandblast booth.
- Concentrations of total chromium and lead detected in reconnaissance groundwater samples and the groundwater sample collected from monitoring well FMW-4 are attributed to suspended solids in the samples. Based on this information, chromium and lead were eliminated as COCs in groundwater for the Site.

- Concentrations of arsenic in groundwater are attributed to reducing conditions from wood debris in native saturated formation materials, resulting in dissolution of naturally occurring solid-phase arsenic. Based on this information, arsenic was eliminated as a COC for the Site.

5.0 CONCEPTUAL SITE MODEL

This section provides a summary of the CSM derived from the results from the RI and from previous investigations and interim actions. Included in this section is a discussion of the media of concern and COCs, the confirmed and suspected sources, exposure pathways and receptors, and the TEE. The CSM is used as a basis for developing technically feasible cleanup action alternatives and selecting a final cleanup action in accordance with MTCA regulations.

5.1 MEDIA AND CONSTITUENTS OF CONCERN

According to results from the RI conducted at the Site, the following COCs have been identified at concentrations exceeding applicable MTCA cleanup levels and/or screening levels in soil, groundwater, and/or soil gas:

- HVOCs: in soil gas and groundwater;
- ORO: in soil;
- Lead: in soil; and
- cPAHs: in soil.

5.2 CONFIRMED AND SUSPECTED SOURCES

The sources and releases of contamination at the Site are presented below.

5.2.1 Halogenated Volatile Organic Compounds.

The Property has been used for industrial purposes since 1968. Although specific operations were not identified as HVOC sources, specific areas at the Site were identified as sources.

In 1996, wastewater was observed discharging from a sump onto the southern boundary of the Property. Subsequent investigations confirmed the presence of cis-1,2-DCE and vinyl chloride in groundwater. The historical discharge of wastewater onto the southern boundary of the Property appears to be the source of cis-1,2-DCE and vinyl chloride to groundwater on the southern portion of the Property.

Much of the impacted groundwater was remediated during previous interim actions. However, according to analytical results from the RI, cis-1,2-DCE- and vinyl chloride-impacted groundwater is still present proximate to monitoring well MW-3, located outside the interim action area where an air sparge treatment system operated between 2004 and 2006.

Additional source areas were identified proximate to monitoring wells FMW-2, FMW-4, FMW-6, and FMW-12. Sources of cis-1,2-DCE- and vinyl chloride-impacted groundwater in these areas are suspected to be direct releases to the ground. Although the exact mechanism of release is unknown, it is presumed that HVOCs were released through poor housekeeping practices, from

containers that may have been used to store HVOCs, or from leaks in the drains where HVOCs may have come to be located during industrial operations.

5.2.2 Metals and cPAHs

Results from the 1991 interim action and the RI confirm that a shallow localized area of metals and cPAH-contaminated soil is present proximate to the sandblast booth. Contaminated soil proximate to the sandblast booth was excavated to the maximum extent practicable in 1991. The excavation was limited due to the presence of the building foundations. Groundwater has not been impacted in this area.

5.2.3 Petroleum Hydrocarbons

Results from the RI confirm that a shallow localized area of ORO-contaminated soil is present proximate to boring B-5. The source of petroleum hydrocarbons in soil is suspected to be general industrial operations and spills. Groundwater has not been impacted in this area.

5.3 EXPOSURE PATHWAYS AND RECEPTORS

5.3.1 Groundwater to Surface Water

The Green River is approximately 310 feet northwest of the Site. Concentrations of HVOCs, including vinyl chloride, have not been detected at concentrations exceeding MTCA surface water cleanup levels in samples collected from the down-gradient points of compliance (monitoring wells FMW-1, FMW-5, FMW-7, FMW-8, FMW-9, FMW-14, and FMW-15) during the March and/or May 2021 groundwater monitoring events. As such, this pathway is incomplete. In addition, the preferred cleanup action alternative will remediate residual HVOC-contaminated groundwater, eliminating any potential pathway in the future. Compliance groundwater monitoring will be conducted as part of the cleanup action to demonstrate that this exposure pathway continues to be incomplete.

5.3.2 Soil to Groundwater

Based on the RI results, the soil to groundwater pathway is potentially complete. Residual sources of HVOCs have been identified at the Site, although concentrations detected in soil generally are less than MTCA cleanup levels in the residual source areas. Furthermore, empirical groundwater data suggest that the concentrations of PCE and TCE in soil are not leaching to groundwater. The preferred cleanup action alternative will remediate residual HVOCs in soil.

5.3.3 Soil and Groundwater Direct Contact

Contaminated soil and groundwater are present at the Site, and the direct contact pathway is considered a complete exposure pathway. This contamination presents a risk of direct contact if the improvements covering the contamination such as existing pavement, concrete building slabs, and buildings are removed.

As part of implementation of the cleanup action during redevelopment, contaminated soil and groundwater will be exposed and will present an exposure risk. Future receptors to potential contaminants in soil and groundwater primarily consist of construction workers through the ingestion and dermal exposure pathways. The preferred cleanup action includes excavation of contaminated soil, and groundwater remediation. Groundwater remediation will be conducted during and after Property redevelopment. Following redevelopment, the entire Property will be covered with pavement and a building, thus eliminating the direct contact exposure pathway.

5.3.4 Vapor Inhalation

Based on the RI soil gas results, there is potential for an unacceptable vapor intrusion risk from PCE and TCE in soil gas intruding into existing structures at the Site, and for short-term inhalation of volatilized contaminants by construction workers during future redevelopment activities. The preferred cleanup action alternative is expected to treat the residual HVOC source areas identified during the RI. In addition, a chemical-resistant vapor barrier will be installed in the future building on the Property, which will eliminate the vapor inhalation pathway for future occupants.

5.4 TERRESTRIAL ECOLOGICAL RISK EVALUATION

A TEE is required by WAC 173-340-7490 at any site where a release of a hazardous substances to soil has occurred. The regulation requires that one of the following actions be taken:

- Documenting a TEE exclusion using the criteria presented in WAC 173-340-7491;
- Conducting a simplified TEE in accordance with WAC 173-340-7492; or
- Conducting a site-specific TEE in accordance with WAC 173-340-7493.

Based on the criteria for TEE exclusion in WAC 173-340-7491, the following exclusions apply to the Site:

- All soil contamination is, or will be, at least 15 feet below the surface.
- All soil contaminated with hazardous substances is, or will be, covered by buildings, paved roads, pavement, or other physical barriers that prevent exposure to plants and wildlife, and institutional controls will be used to manage remaining contamination.
- There is less than 1.5 acres of contiguous undeveloped land on the Site or within 500 feet of any area of the Site, and the Site is not contaminated with the hazardous substances listed in WAC 173-340-7491(1)(c)(ii).

No further consideration of ecological impacts is required under MTCA. The TEE Form is provided in Appendix F.

6.0 PROPOSED CLEANUP STANDARDS

This section presents the proposed cleanup levels and points of compliance for the COCs in soil and groundwater at the Site. Chemicals detected at concentrations exceeding the selected cleanup levels at the selected points of compliance are considered to be COCs for future cleanup actions.

6.1 CLEANUP LEVELS

The proposed cleanup levels are the concentrations of COCs that are to be met for each medium of concern at the points of compliance defined for the Site. MTCA Method A cleanup levels for unrestricted land use are appropriate for COCs affecting the Site. If MTCA Method A cleanup levels were not available for a specific COC, the MTCA Method B cleanup level was used. Modified MTCA Method B air cleanup levels for a commercial exposure scenario were calculated for the Site (Tables 12 and 13).

The cleanup levels for COCs in soil at the Site are:

- ORO: 2,000 mg/kg;
- Lead: 250 mg/kg; and
- cPAH TEC: 0.1 mg/kg.

The cleanup levels for COCs in groundwater at the Site are:

- PCE: 5 µg/l;
- TCE: 5 µg/l;
- cis-1,2-DCE: 16 µg/l;
- Vinyl chloride: 0.2 µg/l;

The cleanup levels for COCs in air at the Site are:

- PCE: 50.2 µg/m^3;
- TCE: 1.48 µg/m^3; and
- Vinyl chloride: 1.5 µg/m^3.

6.2 POINTS OF COMPLIANCE

The points of compliance are the locations at which cleanup levels for the COCs must be attained to meet the requirements of MTCA and support issuance of a No Further Action determination from Ecology.

- In accordance with WAC 173-340-740(6), the point of compliance for soil is defined as all soil at the Site where COCs have been detected at concentrations exceeding MTCA soil cleanup levels.
- In accordance with WAC 173-340-720(8), the point of compliance for groundwater is defined as the uppermost level of the saturated zone extending vertically to the lowest depth at the Site that potentially could be impacted by COCs.

7.0 FEASIBILITY STUDY

This section describes the scope of work and the results from the FS. Topics addressed are the applicable, relevant and appropriate requirements (ARARs) identified for the Site, the evaluation of feasible remediation technologies, the air sparging (AS) and soil vapor extraction (SVE) pilot tests conducted, the cleanup action alternatives developed for the Site and the evaluation of those alternatives, the preferred alternative for implementation at the Site, the compliance monitoring to be conducted, and the reasonable restoration time frame.

The purpose of an FS is to develop and evaluate cleanup action alternatives to facilitate the selection of a preferred cleanup action at a site in accordance with WAC 173-340-350(8). The FS conducted for the Site was intended to provide sufficient information to select a preferred cleanup action alternative under the VCP.

Lift is under contract for the purchase of the Property from the current owner, and plans to redevelop the Property with an industrial warehouse and distribution center. The preferred cleanup action alternative selected in the FS would be conducted in conjunction with redevelopment. The existing structures on the Property will be demolished, and there will be no structures blocking access to subsurface impacts. A preliminary conceptual development plan is provided in Appendix A.

The FS conducted for the Site included screening of potentially feasible remedial technologies and development of a range of cleanup action alternatives that achieve the proposed cleanup standards in the shortest possible restoration time frame. The cleanup action alternatives were evaluated with respect to threshold and other requirements for cleanup actions set forth in MTCA. The FS conducted for the Site evaluated the alternatives, identified those that were not effective or were not technically possible or whose costs were disproportionate to benefits, and provided the basis for identifying a preferred cleanup action alternative.

The FS evaluated three cleanup action alternatives according to criteria provided in WAC 173-340-360(2). In accordance with WAC 173-340-350(8)(c)(ii), the FS included one permanent cleanup action alternative, as defined in WAC 173-340-200, to serve as a baseline against which other alternatives were evaluated for the purpose of assessing whether the cleanup action selected is permanent to the maximum extent practicable.

The FS included preparation of a disproportionate cost analysis (DCA) in accordance with WAC 173-340-360(3)(e)(ii). The DCA uses a semi-quantitative procedure to compare the cost of implementation against the environmental benefit to be achieved, and to identify which cleanup alternative is most-practicable under MTCA.

The FS identified a preferred cleanup alternative for the Site in accordance with WAC 173-340-360 through 173-340-370. The preferred cleanup alternative is considered to present the highest degree of permanence and protectiveness considering current and potential future Site conditions to the maximum extent practicable.

7.1 APPLICABLE OR RELEVANT AND APPROPRIATE REQUIREMENTS

MTCA requires that cleanup actions comply with applicable state and federal laws (WAC 173-340-360[2][a][iii]), which include applicable requirements and requirements that Ecology determines are relevant and appropriate. ARARs for cleanup actions often include various construction-related permits, air emission requirements, water discharge requirements, off-site disposal requirements, and other issues related to impacts in and around the site. ARARs can be categorized as follows:

- Chemical-specific ARARs: Laws and requirements that establish health- or risk-based numerical values or methodologies for developing such values. These ARARs are used to establish the acceptable concentration of a chemical that may remain in or be discharged to the environment. As such, chemical-specific ARARs are considered in developing cleanup standards (Section 6).
- Action-specific ARARs: Performance, design, or other requirements that may place controls or restrictions on a particular remedial action.
- Location-specific ARARs: Requirements that are triggered based on the location of the remedial action to be undertaken.

The following ARARs have been identified for the Site:

- MTCA, Chapter 70.105D of the Revised Code of Washington, and WAC 173-340;
- The State Environmental Policy Act (WAC 197-11) and its procedures (WAC 173-802);
- *The Guidance for Remediation of Petroleum Contaminated Sites* (Ecology 2016);
- The Draft *Guidance for Evaluating Soil Vapor Intrusion in Washington State: Investigation and Remedial Action* (Ecology 2010);
- Washington State Solid Waste Management Laws and Regulations, Chapter 70.95 of the Revised Code of Washington; WAC 173-351 and 173-304;
- The Washington State Dangerous Waste Regulation, WAC 173-303;
- A National Pollutant Discharge Elimination System Construction Stormwater General Permit;
- Water Quality Standards for Groundwater of the State of Washington (WAC 173-200);
- Water Quality Standards for Surface Waters of the State of Washington (WAC 173-201A); and
- City of Kent construction permits.

These primary ARARs are anticipated to be the most-applicable to the FS because they provide the framework for the remedial action, including applicable and relevant regulatory guidelines,

cleanup standards, waste disposal criteria, references for additional ARARs, and standards for documentation of the remedial action.

Other applicable ARARs for the Site include:

- The Occupational Safety and Health Act, Part 1910 of Title 29 of the Code of Federal Regulations;
- Safety Standards for Construction Work, WAC 296-155; and
- Accreditation of Environmental Laboratories, WAC 173-50.

7.2 EVAULATION OF FEASIBLE REMEDIATION TECHNOLOGIES

This section summarizes the technologies that were screened to determine which would be effective, implementable, and cost-effective based on Site conditions. Using the results from this screening, technologies were selected for grouping into three technically feasible cleanup action alternatives, which were evaluated according to MTCA threshold and other criteria according to WAC 173-340-360. The initial screening of remediation technologies focused primarily on implementability, protectiveness, and effectiveness (Table 14).

7.2.1 Remedial Action Objectives

Remedial action objectives (RAOs) are site-specific goals established to protect human health and the environment by eliminating or substantially reducing one or more exposure pathways. The RAOs established for the Site were based on the CSM discussed in Section 5, and provide a framework for developing and evaluating remedial technologies and cleanup action alternatives that will: (i) reduce the toxicity and volume of affected soil on the Site; (ii) eliminate the soil to groundwater leaching pathway; and (iii) eliminate the groundwater to soil gas and/or indoor air pathway.

The following RAOs have been identified for the Property:

- Reduce concentrations of HVOCs in groundwater to meet the proposed cleanup levels at the standard point of compliance;
- Reduce concentrations of COCs in soil to reduce or eliminate the potential soil to groundwater leaching pathway;
- Reduce concentrations of HVOCs in soil to reduce or eliminate the potential for vapor intrusion into future buildings;
- Comply with local, state, and federal laws; and
- Provide for compliance monitoring to evaluate the effectiveness of the preferred cleanup action alternative.

7.2.2 Remedial Technologies

Based on the RAOs, several remediation technologies were evaluated and screened for effectiveness, implementability, and relative cost to produce a focused list of technologies for inclusion in the development of the cleanup alternatives.

Table 14 summarizes the results from the technology screening for a wide range of remediation technologies, and identifies the most-favorable technologies for environmental conditions to be retained for evaluation as a cleanup action alternative. The remediation technologies that passed the screening process are discussed below.

7.2.2.1 Institutional and Engineered Controls

Institutional and engineered controls can be effective protective measures preventing exposure to impacted soil and/or groundwater, and are considered to be readily implementable at the Site at a significantly lower cost than active cleanup technologies.

Institutional controls are measures undertaken to limit or prohibit activities that may interfere with the integrity of a cleanup action, or that could result in adverse exposure to hazardous substances at a site, and are implemented in accordance with WAC 173-340-440. Institutional controls evaluated included an environmental covenant that restricts future uses of a site, consistent with industrial uses and cleanup levels. The environmental covenant would include provisions for long-term compliance monitoring of groundwater, and inspection and maintenance of the capping system.

Engineered controls refer to containment or treatment systems designed to prevent or limit movement of or exposure to hazardous substances. Physical barriers such as pavement covers or caps over contaminated areas are considered effective in limiting exposure to impacted soil, and in reducing rainwater infiltration that could mobilize soil contamination from soil to groundwater. Capping systems consist of impervious surfaces, including exterior paved surfaces suitable for vehicle traffic and a range of other uses. Capping systems typically require periodic inspections, maintenance, and implementation of protective measures when breached for subsurface maintenance or construction activities. Physical barriers and constructed cover are considered implementable and effective technologies for application at the Site. Installation of a chemical-resistant vapor barrier is considered effective in eliminating the vapor intrusion to indoor air exposure pathway.

7.2.2.2 Soil Excavation and Landfill Disposal

Excavation of impacted soil and disposal at an appropriately engineered and permitted facility is an effective approach to reducing risk to human health and the environment. Land disposal is the act of removing contaminated soil from an uncontrolled condition and placing it in a controlled condition where it will produce fewer adverse environmental impacts. A controlled condition generally refers to an engineered landfill that features a low-permeability liner and a leachate collection system to prevent disposed soil from leaching into the environment.

Excavation and landfill disposal employs standard construction practices and readily available construction and earthmoving equipment. Landfills are regulated under Subtitle C (hazardous waste) and Subtitle D (solid waste) of the Resource Conservation and Recovery Act. Regulated landfills are designed to securely manage hazardous and nonhazardous soil over the long term. Excavations will be backfilled with suitable imported material placed according to geotechnical specifications required for resurfacing according to future Property-use plans. Excavation and landfill disposal of soil exceeding MTCA cleanup levels is considered to be a quick, effective, and implementable technology at the Site.

7.2.2.3 Dewatering

Dewatering is the process of pumping out groundwater that collected in sumps, trenches, and wells in the excavation or treatment area. Dewatering may be required if groundwater is encountered during excavation activities or for accumulation of stormwater. Should excavation dewatering be necessary, wastewater collected from excavation dewatering will require analytical testing to support profiling, treatment, and/or disposal of the wastewater. Dewatering is considered a potentially applicable component for cleanup of soil and groundwater at the Site.

7.2.2.4 In-Situ Chemical Oxidation

In-situ chemical oxidation (ISCO) injections with permanganate is a proven technology that chemically oxidizes chlorinated solvents in groundwater. ISCO involves reduction/oxidation reactions that convert hazardous compounds to nonhazardous or less-toxic compounds. In this treatment process, a permanganate solution is injected into the subsurface using temporary points. Once injected, the permanganate solution is transported through the aquifer by groundwater flow. ISCO is a proven technology for treatment of groundwater exceeding cleanup levels, and could be considered an effective and implementable technology at the Site dependent upon future treatability testing results.

7.2.2.5 Air Sparging and Soil Vapor Extraction

AS involves injection of air through a contaminated aquifer. Injected air travels horizontally and vertically through the soil column, removing volatile and semi-volatile organic contaminants by volatilization. The injected air volatilizes contaminants into the unsaturated zone for uptake by an SVE system. Oxygen added to contaminated groundwater and unsaturated soils also can enhance biodegradation of contaminants above and below the water table. SVE is the process of inducing a pressure and concentration gradient in the subsurface to cause volatile organic compounds such as HVOCs to desorb from soil and flow with the vapor stream to a common collection point for discharge to the atmosphere. AS and SVE are proven technologies for treatment of groundwater exceeding cleanup levels, and is considered an effective and implementable technology at the Site based on both existing pilot test results (see Section 7.3) and prior implementation of this technology at the Site.

7.2.2.6 Monitored Natural Attenuation

Natural attenuation relies on natural processes to attenuate concentrations of hazardous constituents in soil and/or groundwater. Although natural attenuation occurs at most contaminated sites, optimal subsurface conditions must exist for effective and complete remediation of a site within a reasonable restoration time frame. Monitored natural attenuation is the process of monitoring these conditions to ensure that natural attenuation continues to occur until remediation is complete.

Monitored natural attenuation is considered an effective means of reducing risk to human health and the environment at some sites, especially when risk of exposure is low and a longer restoration time frame is acceptable. Monitored natural attenuation is considered a potentially applicable component for cleanup of soil and groundwater at the Site.

7.2.3 Rejected Technologies

Table 14 identifies cleanup technologies that were eliminated from further consideration for application at the Site because they are not amenable to or are less-suited to Site-specific conditions than other technologies, and/or did not perform as well as other technologies evaluated in the FS.

7.3 AIR SPARGING AND SOIL VAPOR EXTRACTION PILOT TEST

AS and SVE pilot tests were conducted to evaluate Site-specific soil gas flow rates and range of influence to prepare a full-scale AS and SVE design. A summary of the AS and SVE pilot tests is provided below.

7.3.1 Air Sparging Pilot Test

An AS pilot test was performed on March 18, 2021. Test well AS-1 was screened from 15 to 16.5 feet bgs. The AS pilot test consisted of a step test to apply variable pressures to test well AS-1 using a gas-powered compressor while monitoring air flow rate and pressure at the test well. The pilot test started with the minimum pressure to displace the water column in the test well; pressure was systematically increased in a step-wise manner. The air pressure applied at the test well was controlled and monitored through a series of valves and gauges; the corresponding air flow rate was recorded.

The AS pilot test was performed over a 5-hour period. The air flow rate and pressure at the test well were measured using in-line instrumentation. Depth-to-water and dissolved-oxygen measurements were collected pre- and post-pilot test. Induced pressure was monitored in nearby wells and subslab soil gas points.

Based on the AS pilot test results, an applied pressure of 5 pounds per square inch corresponded to an air flow rate of 7.5 standard cubic feet per minute. The measured pressure at an observation point was considered significant if at least 1 percent of the applied pressure from the test well was observed at the observation point. One percent of the applied pressure was observed at observation point FMW-4, approximately 11 feet from the test well. Concentrations of vinyl chloride, trans-

1,2-dichloroethene, cis-1,2-DCE, and TCE were detected in a performance soil gas sample collected from SVE well SVE-1, approximately 27 feet west of test well AS-1, demonstrating that the test well was effectively stripping HVOCs from saturated soil. A change in the pressure gradient was observed in monitoring wells as far as 40 feet away, which is attributed to heterogeneities in the subsurface soil.

Based on the results from the AS pilot study, a radius of influence of 20 feet was selected for full-scale design.

7.3.2 Soil Vapor Extraction Pilot Test

An SVE pilot test was performed on March 19, 2021. Test well SVE-1 was screened from 3 to 18 feet bgs. The SVE pilot test consisted of a step test to apply variable vacuums to test well SVE-1 using a vacuum truck. The pilot test started with the lowest achievable vacuum; the vacuum was systematically increased. Vacuum applied at the test well was controlled by adjusting the air dilution valve on the instrument train between the test well and the vacuum truck. The vacuum applied to test well SVE-1 ranged from 24 to 60 inches of water column during the pilot test.

The SVE pilot test was performed over a 6-hour period. The Air flow rate and the vacuum at the test well were measured using in-line instrumentation. Depth-to-water measurements were collected pre- and post- pilot test. Induced vacuum was monitored in nearby wells and subslab soil gas points.

Based on the pilot test results, an applied vacuum of 50 to 60 inches water column corresponded to an air flow rate of 50 to 60 standard cubic feet per minute at the test well. Pilot test data were evaluated to determine a range of influence for development of a full-scale design. The measured vacuum at an observation point was considered significant if at least 1 percent of the applied vacuum from the test well was observed at the observation point. A significant vacuum was observed at observation points FMW-04 and FMW-10, 23 to 24 feet away, respectively. An induced vacuum was observed as far as 34 feet from the test well. Concentrations of cis-1,2-DCE and TCE were detected in a performance soil gas sample collected from SVE-1, demonstrating that the test well was effectively removing HVOCs from unsaturated soil.

Based on the results from the AS pilot study, a radius of influence of 30 feet was selected for full-scale design.

7.4 CLEANUP ACTION ALTERNATIVES

The remedial technologies derived from the technology screening (Table 14) were used to develop three cleanup alternatives for the Site:

- Cleanup Alternative 1: Institutional and Engineered Controls and Monitored Natural Attenuation;
- Cleanup Alternative 2: In-Situ Chemical Oxidation, Limited Soil Excavation, and Engineered Controls; and

- Cleanup Alternative 3: Air Sparging and Soil Vapor Extraction, Limited Soil Excavation, and Engineered Controls.

A description of each cleanup action alternative is provided below, summarized in Table 15. Summary cost estimates developed for the three cleanup action alternatives are provided in Table 16.

7.4.1 Cleanup Alternative 1 – Institutional and Engineered Controls and Monitored Natural Attenuation

Cleanup Alternative 1 consists of: engineered controls to eliminate direct contact with shallow soil contamination, limit surface water infiltration through contaminated soil, and eliminate the soil vapor to indoor air exposure pathway; compliance groundwater sampling to demonstrate monitored natural attenuation and that groundwater is not a medium of concern with soil impacts left in-place; and institutional controls to protect ecological and human receptors from exposure to COCs remaining in shallow soil. The conceptual layout for Cleanup Alternative 1 is shown on Figure 18.

Implementation of Cleanup Alternative 1 incorporates the planned Site redevelopment that consists of demolishing existing structures on Property and constructing a new industrial warehouse facility improved with an asphalt-paved parking lot. The new building concrete foundation and surrounding asphalt surface will act as engineered controls (Figure 18). COCs will remain in soil and groundwater at concentrations exceeding MTCA cleanup levels over the long term. Groundwater monitoring will be conducted to evaluate or document the incomplete soil to groundwater leaching pathway. Successful implementation of Cleanup Alternative 1 includes an institutional control in the form of an environmental covenant that restricts future uses of the Property, consistent with industrial uses and cleanup levels.

Key assumptions for Cleanup Alternative 1 include the following:

- All existing buildings and warehouses will be demolished.
- The existing paved surfaces and buildings will be used for the foreseeable future as engineering controls to eliminate direct contact with COCs remaining in soil at concentrations exceeding cleanup levels.
- All permits associated with construction and Property redevelopment activities are development-related costs and were not included in the Alternative cost.
- Monitoring wells in the future building foundation will be decommissioned.
- Future use of shallow groundwater at the Site is not anticipated.
- Contaminant migration from soil to groundwater and via groundwater transport will be limited by existing and future impervious surfaces.
- A contaminant-resistant vapor barrier will be installed with the new building foundation as an engineered control to eliminate the soil gas to indoor air exposure pathway.

- Annual cap inspections will be conducted for a 20-year period.
- Resealing asphalt surfaces will be necessary after 10 years.
- Costs to demolish existing buildings, canopies, and other infrastructure are development-related costs and were not included in the Alternative cost.
- Institutional controls will be implemented per WAC 173-340-440 and will include an environmental covenant recorded on the property deed.
- A Soil Management Plan (SMP) will be implemented to govern the handling of potentially contaminated environmental media during future redevelopment or utility work, as necessary, including general worker protection measures. The SMP will include a Sampling and Analysis Plan developed per WAC 173-340-810.
- Installation of two new monitoring wells post-Property redevelopment to support groundwater compliance monitoring.
- Groundwater monitoring for Cleanup Alternative 1 consists of monitoring a network of 14 monitoring wells quarterly for Year 1, semiannually for Years 2 through 19, and quarterly for Year 20. Groundwater monitoring reports will be submitted annually for 20 years.

Monitoring wells will be decommissioned at the conclusion of the 20-year compliance groundwater monitoring program, or when the points of compliance have been achieved and Ecology issues a determination of No Further Action.

For the purpose of estimating its present worth cost, the time frame to implement Cleanup Alternative 1 was assumed to be 20 years. The estimated cost to complete Cleanup Alternative 1 is summarized below from Table 16:

Capital Cost:	$ 41,000
Ongoing Periodic and Future Cost:	$846,000
Cleanup Alternative 1 Total:	$887,000

7.4.2 Cleanup Alternative 2 – In-Situ Chemical Oxidation, Limited Soil Excavation, and Engineered Controls

Cleanup Alternative 2 includes ISCO injections to treat groundwater exceeding cleanup levels, and limited soil excavation in three areas where COCs have been detected at concentrations exceeding soil cleanup levels. Future Property development will incorporate a vapor barrier with the building foundation to eliminate the soil vapor to indoor air exposure pathway. Results from compliance groundwater monitoring will be used to evaluate the effectiveness of the remedial technology and restoration of groundwater quality. The conceptual layout for Cleanup Alternative 2 is shown on Figure 19.

Cleanup Alternative 2 assumes that a solution of sodium permanganate will be delivered to the subsurface in each treatment area via temporary injection points. Sodium permanganate will

oxidize HVOCs in groundwater, and convert hazardous compounds to nonhazardous or less-toxic compounds. Localized areas of soil with concentrations of COCs exceeding MTCA cleanup levels for ORO, TCE, and lead will be excavated, and the soil removed from the Site. As part of redevelopment, the majority of the Site will be covered with impervious surfaces consisting of the new building foundation and an asphalt-paved parking surface.

Key assumptions for Cleanup Alternative 2 include the following:

- All existing buildings and warehouses will be demolished.
- All permits associated with construction and Property redevelopment activities are development-related costs, and were not included in the Alternative cost.
- Monitoring wells in the future building foundation will be decommissioned.
- Future use of shallow groundwater at the Site is not anticipated.
- A contaminant-resistant vapor barrier will be installed with the new building foundation as an engineered control to eliminate the soil gas to indoor air exposure pathway.
- An SMP will be implemented to govern the handling of contaminated environmental media during future redevelopment and excavation activities, including general worker protection measures. The SMP will include a Sampling and Analysis Plan developed per WAC 173-340-810.
- Two limited areas on the Site proximate to borings B-4 and B-5 will be excavated. A 20-by-20-foot area will be excavated at each location to depths ranging from 5 feet bgs proximate to boring B-4 to 8 feet bgs proximate to boring B-5. An estimated 700 tons of soil will be transported off the Site for disposal as nonhazardous waste at a Subtitle D landfill. Confirmation soil samples will be collected from the base of the excavations and sidewalls for compliance sampling.
- Temporary dewatering will be required where excavation occurs below groundwater. The depth to groundwater varies seasonally between the ground surface and 6.5 to 12 feet bgs.
- No shoring was included in the estimate; a 1:1 slope back on the excavation sidewalls was assumed for the cost estimate.
- A treatability study will be conducted, including analysis of the soil oxidant demand.
- Approximately 20,000 pounds or 19,000 gallons of a 5 percent solution of sodium permanganate will be injected across 21 temporary injection points for each ISCO injection event. Each injection event will consist of injecting approximately 900 gallons of sodium permanganate into each temporary injection point.
- Two injection events are anticipated to treat HVOCs in groundwater, with a third contingency injection event.
- Installation of two new monitoring wells post-Property redevelopment to support groundwater compliance monitoring.

- Groundwater monitoring for Cleanup Alternative 2 consists of monitoring a network of 16 monitoring wells quarterly for Years 1 and 2, semiannually for Years 3 and 4, and quarterly for Year 5. Groundwater monitoring reports will be submitted annually for 5 years.

Monitoring wells will be decommissioned at the conclusion of the 5-year compliance groundwater monitoring program, or when the points of compliance have been achieved and Ecology issues a determination of No Further Action. For the purpose of estimating the present worth cost, the time frame to implement Cleanup Alternative 2 was assumed to be 5 years for compliance groundwater monitoring. The estimated cost to complete Cleanup Alternative 2 is summarized below from Table 16:

Capital Cost:	$1,368,000
Ongoing Periodic and Future Cost:	$ 264,000
Cleanup Alternative 2 Total:	$1,632,000

7.4.3 Cleanup Alternative 3 – Air Sparging and Soil Vapor Extraction, Limited Soil Excavation, and Engineered Controls

Cleanup Alternative 3 involves installation of an AS and SVE remediation system to treat soil and groundwater with HVOC concentrations exceeding MTCA cleanup levels, limited soil excavation in three areas where COCs detected at concentrations exceeding soil cleanup levels, and compliance groundwater monitoring to demonstrate the effectiveness of the remedial technology. The conceptual layout for Cleanup Alternative 3 is shown on Figure 20. AS and SVE are proven technologies for treatment of groundwater exceeding cleanup levels, and are considered effective and implementable technologies at the Site based on both existing pilot test results (see Section 7.3) and prior implementation of these technologies at the Site.

Cleanup Alternative 3 assumes that AS and SVE will be used to treat four localized areas with HVOCs detected at concentrations exceeding MTCA cleanup levels for groundwater. Localized areas of soil with concentrations of COCs exceeding MTCA cleanup levels for ORO, TCE, and lead will be excavated and removed from the Site. As part of redevelopment, the majority of the Site will be covered with impervious surfaces consisting of the new building foundation and an asphalt-paved parking surface.

Key assumptions for Cleanup Alternative 3 include the following:

- All existing buildings and warehouses will be demolished.
- All permits associated with construction and Property redevelopment activities are development-related costs and were not included in the Alternative cost.
- Monitoring wells in the future building foundation will be decommissioned.
- Future use of shallow groundwater at the Site is not anticipated.
- A contaminant-resistant vapor barrier will be installed with the new building foundation as an engineered control to eliminate the soil gas to indoor air exposure pathway.

- An SMP will be implemented to govern the handling of contaminated environmental media during future redevelopment and excavation activities, including general worker protection measures. The SMP will include a Sampling and Analysis Plan developed per WAC 173-340-810.
- Two limited areas on the Site proximate to borings B-4 and B-5 will be excavated. A 20-by-20-foot area will be excavated at each location to depths ranging from 5 feet bgs proximate to boring B-4 to 8 feet bgs proximate to B-5. An estimated 700 tons of soil will be transported off the Site for disposal as nonhazardous waste at a Subtitle D landfill. Confirmation soil samples will be collected from the base of the excavations and sidewalls for compliance sampling.
- Temporary dewatering will be required where excavation occurs below groundwater. The depth to groundwater varies seasonally between the ground surface and 6.5 to 12 feet bgs.
- No shoring is included in this estimate; a 1:1 slope back on the excavation sidewalls was assumed for the cost estimate.
- The cost estimate includes three separate AS/SVE systems that will be required for the four treatment areas. Each AS/SVE system will be composed of a series of AS wells with an assumed radius of influence of 20 feet. The AS/SVE systems will be operational for 5 years with monthly operation and maintenance visits. It was assumed that no vapor-phase treatment will be required prior to direct discharge to the atmosphere.
- Installation of two new monitoring wells post-Property redevelopment to support groundwater compliance monitoring.
- Groundwater monitoring for Cleanup Alternative 3 consists of monitoring a network of 16 monitoring wells quarterly for Years 1 through 3, semiannually for Years 4 and 5, and quarterly for Year 6. Groundwater monitoring reports will be submitted annually for 6 years.

Monitoring wells will be decommissioned at the conclusion of the 6-year compliance groundwater monitoring program, or when points of compliance have been achieved and Ecology issues a determination of No Further Action.

For the purpose of estimating the present worth cost, the time frame to implement Cleanup Alternative 3 was assumed to be 5 years for AS/SVE system operation, and 6 years for compliance groundwater monitoring. The estimated cost to complete Cleanup Alternative 3 is summarized below from Table 16:

Capital Cost:	$1,007,000
Ongoing Periodic and Future Cost:	$ 469,000
Cleanup Alternative 3 Total:	$1,476,000

7.5 CLEANUP ALTERNATIVE EVALUATION

This section presents the evaluation of Cleanup Alternatives 1 through 3 with respect to the requirements set forth in MTCA under WAC 173-340-350 through 173-340-370. The cleanup alternative evaluation considered results from the RI and Site-specific conditions, including the nature and extent of COCs and the exposure assessment presented in Section 5.3, Exposure Pathways and Receptors. The evaluation of cleanup alternatives also considered current and future land use. The evaluation process conducted per MTCA, the results from the evaluation, and the results from the DCA conducted for the Site are summarized below.

7.5.1 Evaluation Process

The FS considered the requirements under WAC 173-340-350 and the criteria defined in WAC 173-340-360 for screening potentially feasible cleanup alternatives for the Site. A cleanup alternative must satisfy the following threshold criteria specified in WAC 173-340-360(2)(a):

- Protect human health and the environment;
- Comply with cleanup standards;
- Comply with applicable state and federal laws; and
- Provide for compliance monitoring.

In addition to meeting the threshold criteria, cleanup actions under MTCA must meet the following additional requirements specified in WAC 173-340-360(2)(b):

- Provide for a reasonable restoration time frame based on the factors provided in WAC 173-340-360(4)(b);
- Use permanent solutions to the maximum extent practicable based on the criteria defined in WAC 173-340-360(3)(f); and
- Consider public concerns (WAC 173-340-600).

The factors used to evaluate the reasonableness of the restoration time frame per WAC 173-340-360(4)(b) were:

- Potential risks posed by COCs at the Site to human health and the environment;
- Practicability of achieving a shorter restoration time frame;
- Current use of the Site, surrounding areas, and associated resources that are or may be affected by releases from the Site;
- Availability of alternative water supplies;
- Likely effectiveness and reliability of institutional controls;
- Ability to control and monitor migration of hazardous substances from the Site;

- Toxicity of the hazardous substances at the Site; and
- Natural processes that reduce concentrations of hazardous substances and have been documented to occur at the Site or under similar Site conditions.

The criteria used to evaluate the degree of permanence to the maximum extent practicable per WAC 173-340-360(3)(f) were:

- Protectiveness: Overall protectiveness of human health and the environment, including the degree to which existing risks are reduced; the time required to reduce risk at the Site and attain cleanup standards, and risks at the Site resulting from implementing the alternative; and improvement of overall environmental quality.
- Permanence: The degree to which the alternative permanently reduces the toxicity, mobility, or volume of hazardous substances, including the adequacy of the alternative in destroying the hazardous substances, the reduction or elimination of hazardous substance releases and sources of releases, the degree of irreversibility of the waste treatment process, and the characteristics and quantity of treatment residuals generated.
- Long-term effectiveness: The degree of certainty that the alternative will be successful, the reliability of the alternative during the period of time that hazardous substances are expected to remain on the Site at concentrations that exceed preliminary cleanup levels, and the magnitude of residual risk with the alternative in place. The following types of cleanup action components may be used as a guide, in descending order, when assessing the relative degree of long-term effectiveness: reuse or recycling; destruction or detoxification; immobilization or solidification; disposal on or off the Site in an engineered, lined, and monitored facility; isolation or containment with attendant engineered controls on the Site; and institutional controls and monitoring.
- Management of short-term risks: The risk to human health and the environment associated with the alternative during construction and implementation, and the effectiveness of measures that will be taken to manage such risks. This criterion includes risks to workers and customers at businesses adjoining the Site and to members of the public on surrounding public roads resulting from implementation of the cleanup alternative.
- Technical and administrative implementability: Ability to be implemented, including consideration of whether the alternative is technically feasible, administrative and regulatory requirements, permitting, scheduling, size, complexity, monitoring requirements, access for construction operations and monitoring, and integration with the business operations at the Site and adjoining business operations.
- Consideration of public concerns: Whether the community has concerns regarding the alternative and, if so, the extent to which the alternative addresses those concerns. This process includes concerns from individuals, community groups, local governments, federal and state agencies, or any other organization that may have an interest in or knowledge of the Site.

- Cost: The cost to implement the alternative, including the cost of construction and anticipated long-term costs. Long-term costs include operation and maintenance, monitoring, and reporting costs.

7.5.2 Evaluation Results

A summary of the evaluation of the Threshold Requirements and Other Requirements for the cleanup action alternatives is provided in Table 17. The evaluation was conducted in accordance with MTCA requirements and is summarized below.

7.5.2.1 Threshold Requirements

The evaluation of Cleanup Alternatives 1 through 3 against the threshold requirements of WAC 173-340-360(2)(a) is summarized in Table 17. The evaluation indicates that Cleanup Alternatives 2 and 3 meet the minimum Threshold Requirements for a cleanup action under WAC 173-340-360(2). Cleanup Alternative 1 does not meet the Threshold Requirement for complying with cleanup standards (WAC 173-340-360 (2)(a)(iii). The restoration time frame is considered reasonable for Cleanup Alternatives 2 and 3.

7.5.2.2 Other Requirements

As defined in WAC 173-340-360(3), a cleanup action must use permanent solutions to the maximum extent practicable. The following criteria were considered for each of the cleanup alternatives under the requirement for a permanent solution to the maximum extent practicable. Table 17 summarizes the ranking of each alternative.

- **Protectiveness**
  - Cleanup Alternative 1 will achieve a low level of protectiveness as a result of no active treatment of soil or groundwater with COCs detected at concentrations exceeding cleanup levels, and relies on engineered and institutional controls to eliminate risks to human health and environment.
  - Cleanup Alternative 2 will provide a high level of protectiveness as a result of soil source removal and active groundwater treatment. ISCO requires direct contact with COCs in groundwater to oxidize and reduce toxicity of COCs, and may be limited by heterogeneities in the subsurface. A contaminant-resistant vapor barrier will be installed with the new building foundation as an engineered control to eliminate the soil gas to indoor air exposure pathway during the restoration time frame.
  - Cleanup Alternative 3 will provide a high level of protectiveness as a result of soil source removal and active groundwater treatment. In-situ treatment with AS and SVE physically removes COCs from groundwater and the unsaturated zone. A contaminant-resistant vapor barrier will be installed with the new building foundation as an engineered control to eliminate the soil gas to indoor air exposure pathway during the restoration time frame.

- **Permanence**
  - Cleanup Alternative 1 does not achieve permanence, and only prevents exposure to contaminated soil and groundwater by using containment and institutional controls. Natural attenuation may reduce concentrations of HVOCs in soil and groundwater; however, concentrations of lead in soil will be reduced only if removed by future redevelopment.
  - Cleanup Alternatives 2 and 3 provide a permanent solution by reducing the toxicity, mobility, and volume of COCs through both biological and physical means. Cleanup Alternative 3 will actively address COCs in soil and groundwater by physically removing COCs from the subsurface.
- **Long-Term Effectiveness**

  Cleanup Alternative 1 will not provide adequate long-term effectiveness. No contaminant mass will be removed, and long-term inspection and maintenance will be necessary to maintain effective containment. Cleanup Alternative 2 provides a medium to high level of long-term effectiveness by removing contaminant mass in soil, and via in-situ treatment of contaminated groundwater. Cleanup Alternative 3 provides a slightly higher level of effectiveness than Cleanup Alternative 2 by physically removing COCs from the subsurface.
- **Short-Term Risk Management**

  No short-term risks are associated with Cleanup Alternative 1. Cleanup Alternative 2 presents a moderate level of short-term risk associated with exposure to contaminated soil during the limited soil excavation. Cleanup Alternative 3 presents a moderate level of short-term risk associated with exposure to contaminated soil during the limited soil excavation and installation of the AS/SVE treatment system. Cleanup Alternative 2 presents a slightly higher short-term risk than Cleanup Alternative 3 due to the handling of strong chemical oxidants during the injection process.
- **Technical and Administrative Implementability**

  Implementing Cleanup Alternative 1 will be relatively uncomplicated, and will include activities such as establishing an environmental covenant, institutional controls, installing a building vapor barrier as part of redevelopment, and long-term monitoring of Site containment. Cleanup Alternatives 2 and 3 involve permitting and work along the Property boundary, and present a moderate to high level of difficulty in implementation. Cleanup Alternatives 2 and 3 involve heavy equipment.
- **Public Concerns**

  The Site is in an industrial area with controlled access. There is no pathway for direct contact with the public. All three alternatives will address potential public concerns.

- **Cost**

  The estimated cost for implementation for each cleanup alternative is:

  - Cleanup Alternative 1, Institutional and Engineered Controls and Monitored Natural Attenuation: $887,000;
  - Cleanup Alternative 2, In-Situ Chemical Oxidation, Limited Soil Excavation, and Engineered Controls: $1,632,000; and
  - Cleanup Alternative 3, Air Sparging and Soil Vapor Extraction, Limited Soil Excavation, and Engineered Controls: $1,476,000.

7.5.3 Disproportionate Cost Analysis

The purpose of the DCA was to facilitate selection of the cleanup alternative that provides the highest degree of permanence to the maximum extent practicable.

The DCA for the Site was conducted in accordance with the methodology provided in WAC 173-340-360(3)(e). The cleanup alternative evaluation presented in Table 17 is provided in the format suggested by Ecology (2009). Table 17 presents a quantitative assessment of the MTCA criteria for determining whether a cleanup action uses permanent solutions to the maximum extent practicable (WAC 173-340-360[3][f]). A numeric score ranging from 0 to 10 was assigned to each of the criteria based on best professional judgment. The higher the score, the more favorable the cleanup alternative is under MTCA. The criteria scores were weighted according to Ecology (2009) suggestions, as indicated in Table 17.

A MTCA Composite Benefit Score was calculated for each alternative by summing the mathematical product of each criterion score and the weighting factor, which provided the quantitative measure of environmental benefit that will be realized by implementation of each cleanup alternative. The weighting factors for the six criteria were:

- Protectiveness: 30 percent;
- Permanence: 20 percent;
- Long-Term Effectiveness: 20 percent;
- Short-Term Effectiveness: 10 percent;
- Implementability: 10 percent; and
- Public Concerns: 10 percent.

For example, if the scores for each of the above listed criteria were 7.5, 7, 6, 3, 7, and 6, respectively, the MTCA Composite Benefit Score would be calculated as: (7.5) x (0.3) + (7) x (0.2) + (6) x (0.2) + (3) x (0.1) + (7) x (0.1) + (6) x (0.1) = 6.45. On a scale of 0 to 10, with 10 having the highest environmental benefit, a score of 6.45 represents moderate environmental benefit.

Table 17 summarizes the basis for the scoring, and the estimated costs for the three cleanup alternatives. Chart 1 graphically presents the results from the DCA. The orange bars on Chart 1 reflect the MTCA Composite Benefit Score for each cleanup alternative. The blue bars reflect the estimated cost of each alternative. The incremental benefit of a cleanup alternative relative to its incremental cost thus can be discerned.

Based on this analysis:

- Cleanup Alternative 1 was assigned an overall benefit score of 5.0, with a cost of $887,000;
- Cleanup Alternative 2 was assigned an overall benefit score of 6.5, with an estimated cost of $1,632,000; and
- Cleanup Alternative 3 was assigned an overall benefit score of 7.5, with an estimated cost of $1,476,000.

Table 17 presents the MTCA evaluation criteria, the weighting factors, and the calculated cumulative benefit ranking (i.e., weighted average) for each cleanup alternative. A comparison of the overall benefit score versus the estimated cost for each of the alternatives is presented graphically on Chart 1.

Implementing Cleanup Alternative 1 results in a MTCA Composite Benefit Score of 5.0. The approximately $1.63 million to implement Cleanup Alternative 2 will increase the MTCA Composite Benefit Score to 6.5. Implementing Cleanup Alternative 3 costs approximately $1.48 million, resulting in a MTCA Composite Benefit Score of 7.5, an increase of 33 percent over Cleanup Alternative 1 and an increase of 13 percent over Cleanup Alternative 2. Cleanup Alternative 3 costs less than Cleanup Alternative 2 and has a higher benefit score.

Based on the MTCA Composite Benefit Score for the unit cost incurred, Cleanup Alternative 3 offers the greatest environmental benefit of the three cleanup alternatives evaluated. Cleanup Alternative 3, Air Sparging and Soil Vapor Extraction, Limited Soil Excavation, and Engineered Controls, is selected as the preferred cleanup alternative for the Site.

Cleanup Alternative 1 has the lowest cost, but does not provide environmental benefits similar to those of Cleanup Alternatives 2 and 3. The results from the DCA confirm that Cleanup Alternative 3 provides a permanent solution to the maximum extent practicable, meets the evaluation criteria defined in WAC 173-340-360(3)(f), provides a higher degree of environmental benefit over lower-cost Cleanup Alternative 1, and provides similar environmental benefits at a slightly lower cost than Cleanup Alternative 2.

7.6 PREFERRED CLEANUP ACTION ALTERNATIVE

Based on Site-specific conditions, the most-practicable cleanup approach for the Site is Cleanup Alternative 3, which includes installation and operation of an AS/SVE treatment system, limited soil excavation, and engineered controls. Compliance groundwater monitoring will be conducted

to confirm that treatment of groundwater exceeding cleanup levels is occurring. Figure 20 presents the conceptual layout of Cleanup Alternative 3.

Preferred Cleanup Alternative 3 satisfies the MTCA threshold criteria specified in WAC 173-340-360(2)(a), and meets additional requirements specified in WAC 173-340-360(2)(b) and the expectations specified in WAC 173-340-370. Cleanup Alternative 3 uses permanent solutions to the maximum extent practicable per WAC 173-340-360(3)(f), and with a MTCA Benefit Score that is practicable of 7.5, achieves the highest score for a practicable alternative.

7.7 COMPLIANCE MONITORING

During the limited source excavation, compliance monitoring will be conducted in accordance with a Compliance Monitoring Plan to be prepared, as specified in WAC 173-340-410, which will include protection, performance, and confirmation soil sampling. The Compliance Monitoring Plan also will include protocols for post-remediation groundwater monitoring. Figure 21 presents the Site restoration and compliance monitoring well network plan.

7.8 RESTORATION TIME FRAME

The active elements of Cleanup Alternative 3, including AS/SVE system operation, limited excavation, and site restoration, will be implemented over the period of approximately 1 to 2 months. A contaminant-resistant vapor barrier will be installed with the new building foundation as an engineered control to eliminate the soil gas to indoor air exposure pathway during the restoration timeframe. The restoration time frame is considered reasonable under MTCA, as additional protective controls, inspections, and monitoring will be implemented, no off-Site effects of COCs from source areas at the Site have been identified, and cleanup levels for shallow groundwater will be attained in a reasonable restoration time frame. For the purposes of the FS, AS/SVE system operations were assumed to be completed in Year 5, and groundwater compliance monitoring in Year 6.

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9.0 LIMITATIONS

9.1 GENERAL LIMITATIONS

The conclusions contained in this report/assessment are based on professional opinions with regard to the subject matter. These opinions have been arrived at in accordance with currently accepted hydrogeologic and engineering standards and practices applicable to this location. The conclusions contained herein are subject to the following inherent limitations:

- **Accuracy of Information**. Farallon obtained, reviewed, and evaluated certain information used in this report/assessment from sources that were believed to be reliable. Farallon's conclusions, opinions, and recommendations are based in part on such information. Farallon's services did not include verification of its accuracy or authenticity. Should the information upon which Farallon relied prove to be inaccurate or unreliable, Farallon reserves the right to amend or revise its conclusions, opinions, and/or recommendations.
- **Reconnaissance and/or Characterization**. Farallon performed a reconnaissance and/or characterization of the Site that is the subject of this report/assessment to document current conditions. Farallon focused on areas deemed more likely to exhibit hazardous materials conditions. Contamination may exist in other areas of the Site that were not investigated or were inaccessible. Site activities beyond Farallon's control could change at any time after the completion of this report/assessment.

For the foregoing reasons, Farallon cannot and does not warrant or guarantee that the Site is free of hazardous or potentially hazardous substances or conditions, or that latent or undiscovered conditions will not become evident in the future. Farallon's observations, findings, and opinions can be considered valid only as of the date of the report.

This report/assessment has been prepared in accordance with the contract for services between Farallon and Lift Real Estate Partners Fund, LLC, and currently accepted industry standards. No other warranties, representations, or certifications are made.

9.2 LIMITATION ON RELIANCE BY THIRD PARTIES

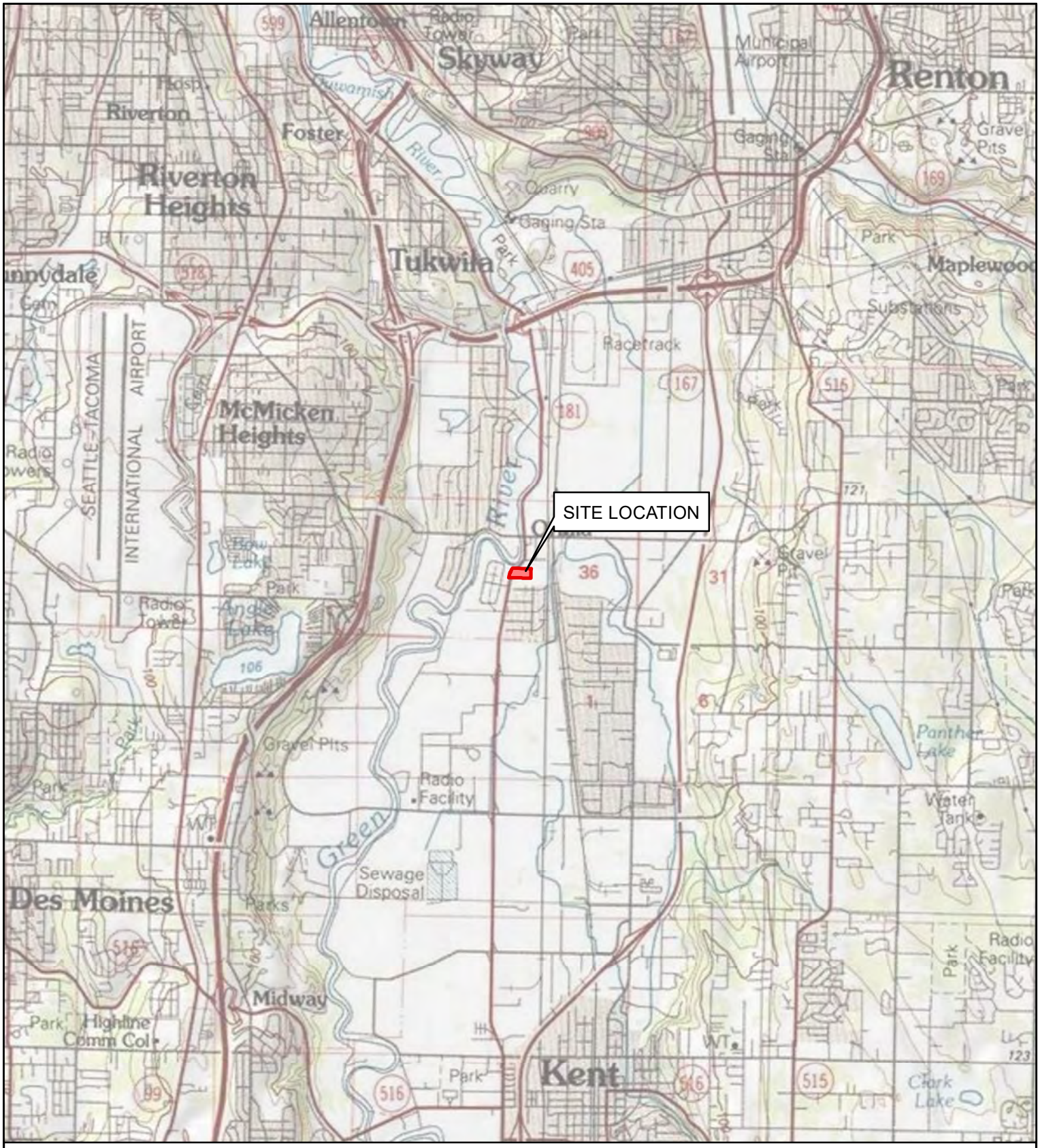
Reliance by third parties is prohibited. This report/assessment has been prepared for the exclusive use of Lift Real Estate Partners Fund, LLC to address the unique needs of Lift Real Estate Partners Fund, LLC at the 18420 68th Avenue property at a specific point in time.

This is not a general grant of reliance. No one other than Lift Real Estate Partners Fund, LLC may rely on this report unless Farallon agrees in advance to such reliance in writing. Any unauthorized use, interpretation, or reliance on this report/assessment is at the sole risk of that party and Farallon will have no liability for such unauthorized use, interpretation, or reliance.

FIGURES

REMEDIAL INVESTIGATION AND
FEASIBILITY STUDY REPORT
18420 68th Avenue South
Kent, Washington

Farallon PN: 2032-012



REFERENCE: 7.5 MINUTE USGS QUADRANGLE RENTON, WASHINGTON, DATED 2013

0 5,000
SCALE IN FEET

N

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Oregon
Portland | Baker City

California
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FIGURE 1

SITE VICINITY MAP
18420 68th AVENUE SOUTH
KENT, WASHINGTON

FARALLON PN: 2032-012

Drawn By: jjones | Checked By: PK | Date: 5/11/2021 | Disc Reference:

Path: Q:\Projects\2032 Lift Partners\012 18420 68th Ave S\Mapfiles\014\Figure-01_SiteVicinity.mxd

LEGEND

- FORMER DISCHARGE LINE
- SITE FEATURE
- FORMER UNDERGROUND STORAGE TANK (UST)
- PROPERTY BOUNDARY

N

0 120

SCALE IN FEET

NOTES:
1. ALL LOCATIONS ARE APPROXIMATE.
2. FIGURES WERE PRODUCED IN COLOR. GRAYSCALE COPIES MAY NOT REPRODUCE ALL ORIGINAL INFORMATION.

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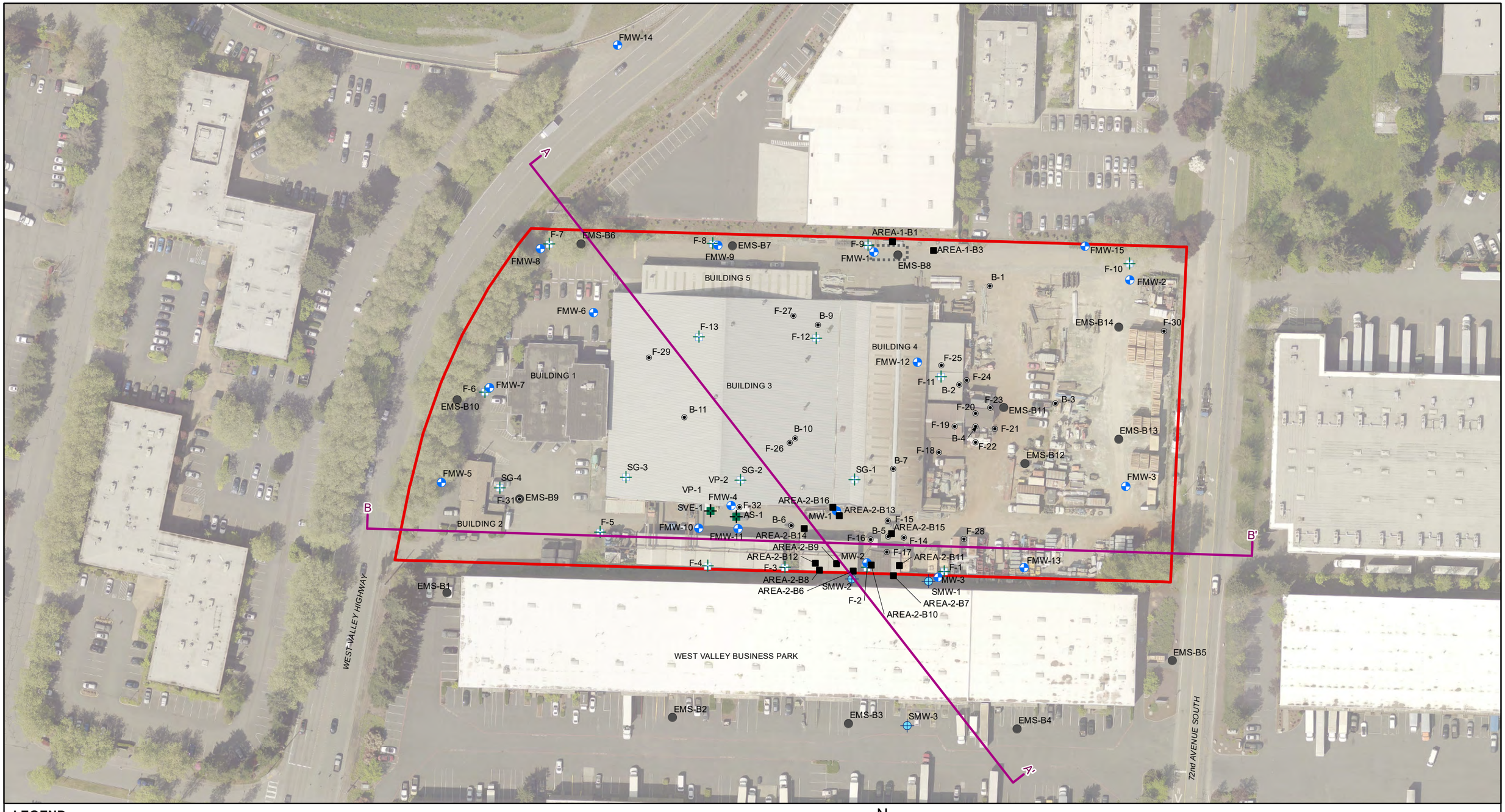
FIGURE 2

SITE PLAN
18420 68th AVENUE SOUTH
KENT, WASHINGTON

FARALLON PN: 2032-012

Drawn By: jjones
Checked By: PK
Date: 5/11/2021
Disc Reference: Q:\Projects\2032 Lift Partners\012 18420 68th Ave S\Mapfiles\014\Figure-02_PropertyPlan.mxd



LEGEND

- MONITORING WELL (FARALLON, 2019-2021)
- MONITORING WELL (ATC ENVIRONMENTAL INC., 2000)
- AIR SPARGE OR SOIL VAPOR EXTRACTION WELL (FARALLON, 2021)
- SOIL GAS SAMPLE (FARALLON, 2019/2020)
- SOIL SAMPLE (FARALLON, 2019-2021)
- SOIL SAMPLE (ENVIRONMENTAL MANAGEMENT SERVICES, LLC, 2008)
- SOIL SAMPLE (ENVIRONMENTAL MANAGEMENT SERVICES, LLC, 2003)
- FORMER UNDERGROUND STORAGE TANK (UST)
- PROPERTY BOUNDARY
- A — A' CROSS-SECTION

N

0 100

SCALE IN FEET

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FIGURE 3

SAMPLING LOCATIONS
18420 68th AVENUE SOUTH
KENT, WASHINGTON

FARALLON PN: 2032-012

Drawn By: jjones | Checked By: PK | Date: 6/8/2021 | Disc Reference: Q:\Projects\2032 Lift Partners\012 18420 68th Ave S\Mapfiles\014\Figure-03_SamplingLocations.mxd

A
(NORTHWEST)

A'
(SOUTHEAST)

B B'

PROPERTY BOUNDARY

PROPERTY BOUNDARY

2003-2006 AIR SPARGE / SOIL VAPOR EXTRACTION INTERIM ACTION

1998 INTERIM ACTION EXCAVATION

BUILDING 3

WEST VALLEY BUSINESS PARK

SHED

(GREEN RIVER APPROXIMATELY 310' NORTHWEST)

FMW-8(TP48'NE)
EMS-B6(TP10'NE)
FMW-6(TP47'NE)
F-29(TP28'NE)
B-11(TP37'NE)
B-10(TP43'SW)
SVE-1(TP77'NE)
AS-1(TP59'NE)
B-6(TP18'NE)
SUMP(TP16'W)
B-5(TP57'SW)
EMS B-3(TP101'NE)
EMS B-4(TP39'SW)

30
25
20
15
10
5
0

ELEVATION IN FEET(NAVD88)

SAND/ SILTY SAND

SILT

SAND/ SILTY SAND

ORGANICS (ROOTS)

SILT/ SILTY SAND

[3/10/2021|<0.020]

[3/10/2021|0.16]

[12/12/2019|<0.20]

[12/12/2019|7.0]

[3/10/2021|1.2]

WOOD DEBRIS

WOOD DEBRIS

SILT

SAND/ SILTY SAND

SILT/ SILTY SAND

?

LEGEND

FMW-8(TP48'NE) — BORING OR MONITORING WELL LOCATION TRANSPOSED (TP) IN FEET, NORTHEAST(NE), OR SOUTHWEST(SW) TO THE CROSS-SECTION LINE

STRATIGRAPHIC CONTACT (DASHED WHERE INFERRED)

[3/10/2021|<0.16] — GROUNDWATER SAMPLE [DATE|VINYL CHLORIDE] RESULTS IN MICROGRAMS PER LITER

BLANK CASING OR BORING

GROUNDWATER ELEVATION 3/10/2021

TEMPORARY WELL SCREEN

WELL SCREEN

5'
0'
0'
50'

NOTES:
1. ALL LOCATIONS ARE APPROXIMATE
2. FIGURES WERE PRODUCED IN COLOR. GRAYSCALE COPIES MAY NOT REPRODUCE ALL ORIGINAL INFORMATION.

< = DENOTES ANALYTE NOT DETECTED AT OR ABOVE THE LABORATORY REPORTING LIMIT LISTED.

NAVD88 = NORTH AMERICAN VERTICAL DATUM OF 1988

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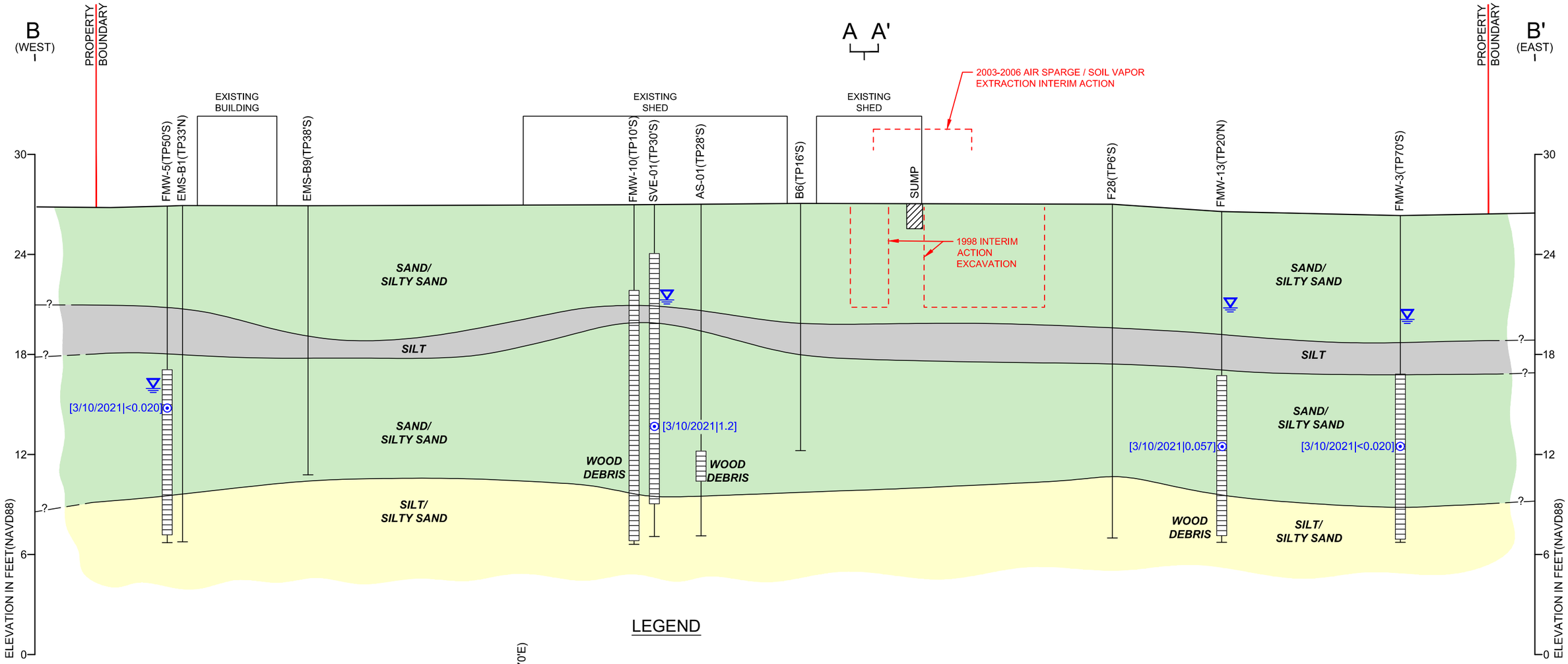
Drawn By: NM Checked By: GP

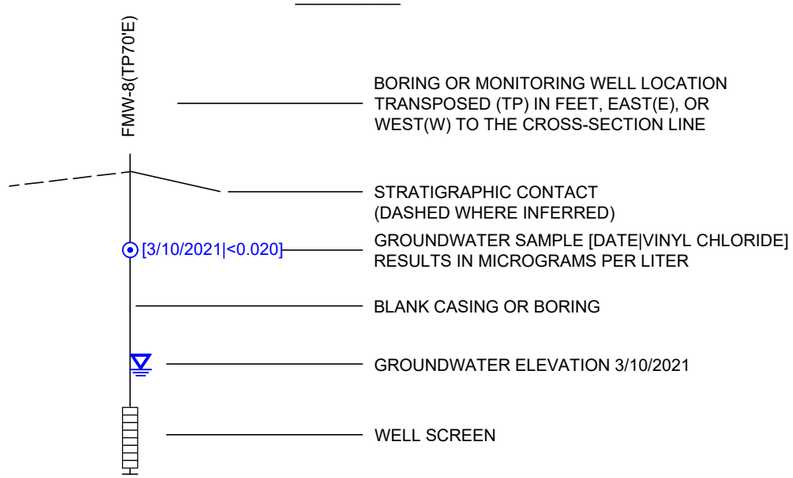
FIGURE 4

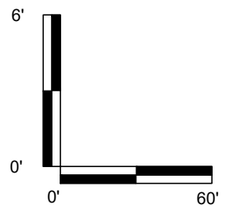
CROSS SECTION A-A'
18420 68TH AVENUE SOUTH
KENT, WASHINGTON

FARALLON PN: 2032-012



LEGEND





NOTES:
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2. FIGURES WERE PRODUCED IN COLOR. GRAYSCALE COPIES MAY NOT REPRODUCE ALL ORIGINAL INFORMATION.

< = DENOTES ANALYTE NOT DETECTED AT OR ABOVE THE LABORATORY REPORTING LIMIT LISTED.
NAVD88 = NORTH AMERICAN VERTICAL DATUM OF 1988

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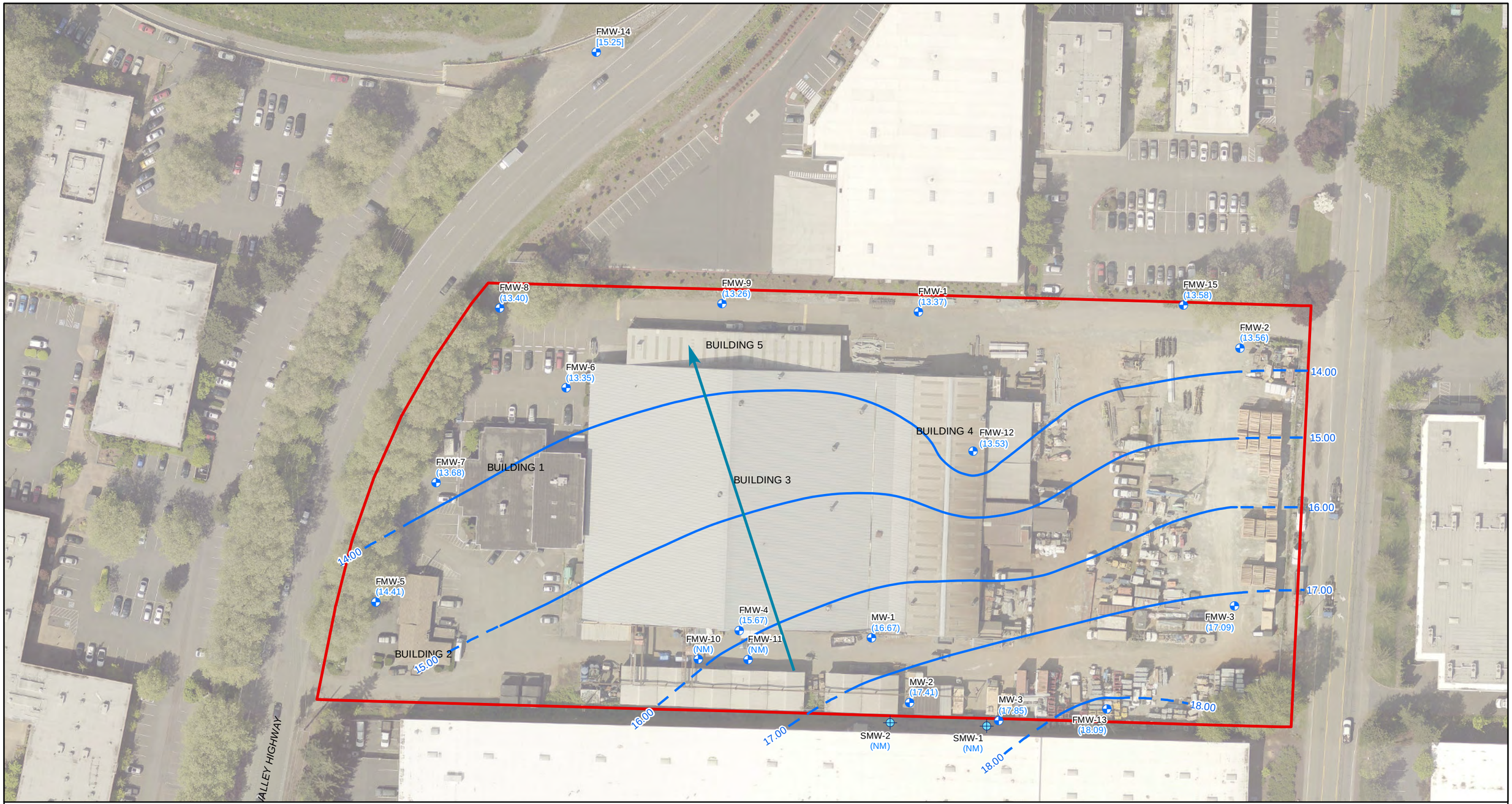
FIGURE 5

CROSS SECTION B-B'
18420 68TH AVENUE SOUTH
KENT, WASHINGTON

FARALLON PN: 2032-012



LEGEND

- MONITORING WELL (FARALLON, 2019-2021)
- MONITORING WELL (ATC ENVIRONMENTAL INC., 2000)
- PROPERTY BOUNDARY

(18.09)	GROUNDWATER ELEVATION IN FEET RELATIVE TO NORTH AMERICAN VERTICAL DATUM OF 1988, MAY 25, 2021
[15.25]	GROUNDWATER ELEVATION NOT USED IN CONTOUR GENERATION
18.00	GROUNDWATER ELEVATION CONTOUR IN FEET (DASHED WHERE INFERRED)
(NM)	GROUNDWATER ELEVATION NOT MEASURED OR USED IN GROUNDWATER CONTOURING (INACCESSIBLE)
→	APPROXIMATE DIRECTION OF GROUNDWATER FLOW

0 80
SCALE IN FEET

N

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FIGURE 6

GROUNDWATER ELEVATION CONTOURS
FOR MAY 25, 2021
18420 68th AVENUE SOUTH
KENT, WASHINGTON

FARALLON PN: 2032-012

Drawn By: jjones | Checked By: PK | Date: 6/29/2021 | Disc Reference: Q:\Projects\2032 Lift Partners\012 18420 68th Ave S\Mapfiles\014\Figure-06_GW_Contours_2021-03.mxd

LEGEND

- FORMER INTERIM ACTION AREA
- FORMER DISCHARGE LINE
- SITE FEATURE
- FORMER UNDERGROUND STORAGE TANK (UST)
- PROPERTY BOUNDARY

NOTES:
AS = AIR SPARGE
SVE = SOIL VAPOR EXTRACTION

N

0 80

SCALE IN FEET

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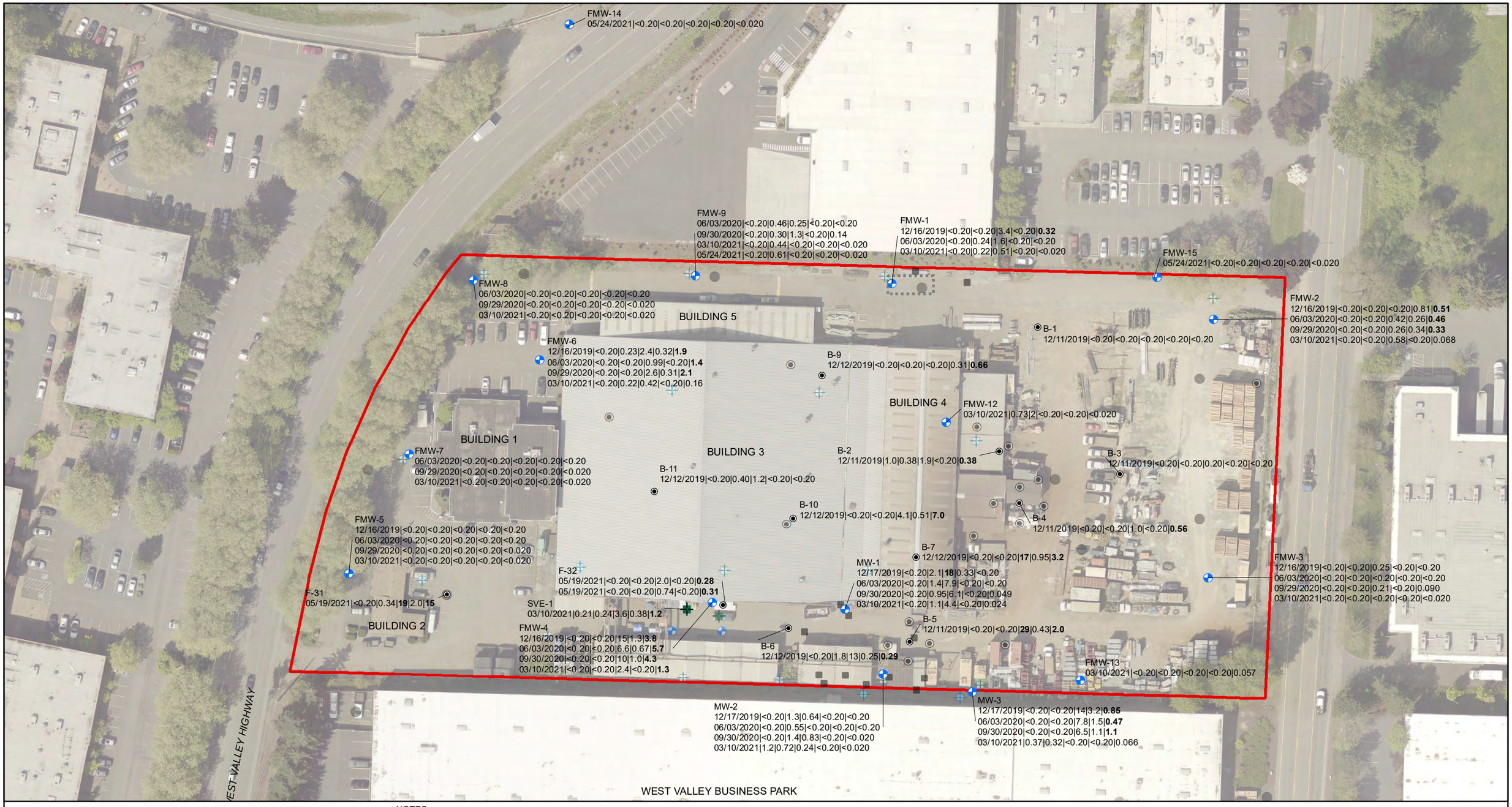
FIGURE 7

INTERIM ACTION AREAS
18420 68th AVENUE SOUTH
KENT, WASHINGTON

FARALLON PN: 2032-012

Drawn By: jjones
Checked By: PK
Date: 5/11/2021
Disc Reference: Q:\Projects\2032 Lift Partners\012 18420 68th Ave S\Mapfiles\014\Figure-07_InterimActionAreas.mxd



LEGEND

- MONITORING WELL (FARALLON, 2019-2021)
- MONITORING WELL (ATC, 2000)
- AIR SPARGE OR SVE WELL (FARALLON, 2021)
- SOIL GAS SAMPLE (FARALLON, 2019/2020)
- SOIL SAMPLE (FARALLON, 2019-2021)
- SOIL SAMPLE (EMS, 2008)
- SOIL SAMPLE (EMS, 2003)
- FORMER UST
- PROPERTY BOUNDARY

NOTES:
GROUNDWATER ANALYTICAL RESULTS REPORTED AS:
SAMPLE DATE | PCE | TCE | cis-1,2-DCE | trans-1,2-DCE | VINYL CHLORIDE
ANALYTICAL RESULTS IN MICROGRAMS PER LITER

BOLD = CONCENTRATIONS THAT EXCEED WASHINGTON STATE MODEL TOXICS CONTROL ACT CLEANUP REGULATION CLEANUP LEVEL
< = ANALYTE NOT DETECTED AT OR EXCEEDING THE REPORTING LIMIT LISTED
ATC = ATC ENVIRONMENTAL INC.
DCE = DICHLOROETHENE
EMS = ENVIRONMENTAL MANAGEMENT SERVICES, LLC.
HVOCs = HALOGENATED VOLATILE ORGANIC COMPOUNDS
PCE = TETRACHLOROETHENE
SVE = SOIL VAPOR EXTRACTION
TCE = TRICHLOROETHENE
UST = UNDERGROUND STORAGE TANK

N

0 80
SCALE IN FEET

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FIGURE 8

GROUNDWATER ANALYTICAL RESULTS
FOR HVOCs
18420 68th AVENUE SOUTH
KENT, WASHINGTON

FARALLON PN: 2032-012

Drawn By: jjones | Checked By: PK | Date: 6/8/2021 | Disc Reference: Q:\Projects\2032 Lift Partners\012 18420 68th Ave S\Mapfiles\014\Figure-08_Groundwater_HVOCs.mxd

FMW-14 LOCATED ~125' TO NORTH OF MAP FRAME
(INSET MAP IN TOP LEFT CORNER)

FMW-14
6.0'|<0.0013|<0.0013|<0.0013|<0.0013|<0.0013
12.0'|<0.0012|<0.0012|<0.0012|<0.0012|<0.0012

0 80
SCALE IN FEET

EMS-B6
11.0'|<0.02|<0.03|<0.02|<0.02|<0.02

EMS-B7
13.0'|<0.02|<0.03|<0.02|<0.02|<0.02

FMW-1
5.0'|<0.0014|<0.0014|<0.0014|<0.0014|<0.0014

FMW-15
5.0'|0.0023|<0.0010|<0.0010|<0.0010|<0.0010
10.0'|<0.0012|<0.0012|<0.0012|<0.0012|<0.0012

EMS-B8
14.0'|<0.02|<0.03|<0.02|<0.02|<0.02

BUILDING 5

F-27
2.0'|<0.00083|<0.00083|<0.00083|<0.00083|<0.00083
16.5'|<0.0012|0.0017|0.022|0.0017|<0.0012

FMW-2
5.0'|<0.0015|<0.0015|<0.0015|<0.0015|<0.0015

B-1
5.0'|<0.0013|<0.0013|<0.0013|<0.0013|<0.0013

FMW-6
5.0'|<0.0014|<0.0014|<0.0014|<0.0014|<0.0014

B-9
5.0'|<0.0014|<0.0014|<0.0014|<0.0014|<0.0014

FMW-12
2.0'|0.00086|<0.00083|<0.00083|<0.00083|<0.00083
10.0'|0.021|<0.0014|<0.0014|<0.0014|<0.0014

EMS-B14
13.0'|<0.02|<0.03|<0.02|<0.02|<0.02

F-30
2.0'|<0.00086|0.0022|0.0015|<0.00086|<0.00086
13.0'|<0.0010|<0.0010|<0.0010|<0.0010|<0.0010

F-29
2.0'|<0.00097|<0.00097|<0.00097|<0.00097|<0.00097
8.0'|0.0017|0.0012|<0.0011|<0.0011|<0.0011

BUILDING 4

F-24
2.0'|0.0054|<0.00090|<0.00090|<0.00090|<0.00090
5.0'|0.042|<0.0012|<0.0012|<0.0012|<0.0012

BUILDING 1

F-25
2.0'|0.031|<0.00091|<0.00091|<0.00091|<0.00091

BUILDING 3

F-23
2.0'|<0.00088|<0.00088|<0.00088|<0.00088|<0.00088
5.0'|<0.0012|<0.0012|<0.0012|<0.0012|<0.0012

B-2
5.0'|0.034|<0.0016|<0.0016|<0.0016|<0.0016

B-3
5.0'|<0.0015|<0.0015|<0.0015|<0.0015|<0.0015

EMS-B10
15.0'|<0.02|<0.03|<0.02|<0.02|<0.02

B-11
5.0'|<0.0014|<0.0014|<0.0014|<0.0014|<0.0014

EMS-B11
13.0'|<0.02|<0.03|<0.02|<0.02|<0.02

B-4
1.0'|<0.0010|<0.0010|<0.0010|<0.0010|<0.0010
5.0'|<0.0015|<0.0015|<0.0015|<0.0015|<0.0015

EMS-B13
12.5'|<0.02|<0.03|<0.02|<0.02|<0.02

F-26
2.0'|<0.00096|<0.00096|<0.00096|<0.00096|<0.00096
10.0'|<0.0011|<0.0011|0.0015|<0.0011|<0.0011

B-10
5.0'|0.0023|<0.0014|<0.0014|<0.0014|<0.0014

FMW-5
5.0'|<0.0015|<0.0015|<0.0015|<0.0015|<0.0015

EMS-B12
11.0'|<0.02|<0.03|<0.02|<0.02|<0.02

F-31
5.0'|<0.0013|<0.0013|<0.0013|<0.0013|<0.0013
10.0'|<0.0012|0.013|<0.0012|<0.0012|<0.0012
12.0'|<0.0013|<0.0013|0.21|0.0092|0.026
15.0'|<0.0010|0.0038|0.091|0.0050|0.010
19.5'|<0.0011|<0.0011|0.0029|<0.0011|<0.0011

B-7
5.0'|0.0057|<0.0014|<0.0014|<0.0014|<0.0014

FMW-3
5.0'|<0.0016|<0.0016|<0.0016|<0.0016|<0.0016

EMS-B9
12.0'|<0.02|**0.091**|0.023|<0.02|<0.02

FMW-4
5.0'|<0.0015|<0.0015|<0.0015|<0.0015|<0.0015

BUILDING 2

B-5
5.0'|<0.0013|<0.0013|<0.0013|0.0015|<0.0013|<0.0013

AS-1
2.0'|<0.0011|<0.0011|<0.0011|<0.0011|<0.0011
10.0'|<0.0015|<0.0015|<0.0015|<0.0015|<0.0015

B-6
5.0'|<0.0013|<0.0013|<0.0013|<0.0013|<0.0013

F-28
2.0'|<0.00079|0.00097|<0.00079|<0.00079|<0.00079
10.0'|<0.0013|<0.0013|<0.0013|<0.0013|<0.0013

FMW-13
2.0'|<0.0010|<0.0010|<0.0010|<0.0010|<0.0010

EMS-B1
16.0'|<0.02|<0.03|<0.02|<0.02|<0.02

WEST VALLEY BUSINESS PARK

EMS-B5
13.5'|<0.02|<0.03|<0.02|<0.02|<0.02

EMS-B2
13.0'|<0.02|<0.03|<0.02|<0.02|<0.02

EMS-B3
11.5'|<0.02|<0.03|<0.02|<0.02|<0.02

EMS-B4
8.0-9.0'|<0.02|<0.03|<0.02|<0.02|<0.02

72nd AVENUE SOUTH

NOTES:
SOIL ANALYTICAL RESULTS REPORTED AS:
DEPTH IN FEET BGS | PCE | TCE | cis-1,2-DCE | trans-1,2-DCE | VC
ANALYTICAL RESULTS IN MILLIGRAMS PER KILOGRAM (mg/kg)
BOLD = CONCENTRATIONS THAT EXCEED THE WASHINGTON STATE MODEL TOXICS CONTROL ACT CLEANUP REGULATION CLEANUP LEVELS
< = ANALYTE NOT DETECTED AT OR EXCEEDING THE REPORTING LIMIT LISTED
ATC = ATC ENVIRONMENTAL INC.
BGS = BELOW GROUND SURFACE
DCE = DICHLOROETHENE
EMS = ENVIRONMENTAL MANAGEMENT SERVICES, LLC
HVOCs = HALOGENATED VOLATILE ORGANIC COMPOUNDS
PCE = TETRACHLOROETHENE
TCE = TRICHLOROETHENE
SVE = SOIL VAPOR EXTRACTION
VC = VINYL CHLORIDE
UST = UNDERGROUND STORAGE TANK

LEGEND

- MONITORING WELL (FARALLON, 2019-2021)
- MONITORING WELL (ATC, 2000)
- AIR SPARGE OR SVE WELL (FARALLON, 2021)
- SOIL GAS SAMPLE (FARALLON, 2019/2020)
- SOIL SAMPLE (FARALLON, 2019-2021)
- SOIL SAMPLE (EMS, 2008)
- SOIL SAMPLE (EMS, 2003)
- FORMER UST
- PROPERTY BOUNDARY

N

0 80
SCALE IN FEET

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FIGURE 9

SOIL ANALYTICAL RESULTS
FOR HVOCs
18420 68th AVENUE SOUTH
KENT, WASHINGTON

FARALLON PN: 2032-012

Drawn By: jjones
Checked By: PK
Date: 6/8/2021
Disc Reference: Q:\Projects\2032 Lift Partners\012 18420 68th Ave S\Mapfiles\014\Figure-09_Soil_HVOCs.mxd

LEGEND

- MONITORING WELL (FARALLON, 2019-2021)
- MONITORING WELL (ATC, 2000)
- AIR SPARGE OR SVE WELL (FARALLON, 2021)
- SOIL GAS SAMPLE (FARALLON, 2019/2020)
- SOIL SAMPLE (FARALLON, 2019-2021)
- SOIL SAMPLE (EMS, 2008)
- SOIL SAMPLE (EMS, 2003)
- FORMER UST
- PROPERTY BOUNDARY

NOTES:
SOIL ANALYTICAL RESULTS REPORTED AS:
DEPTH IN FEET BGS | DRO | ORO
ANALYTICAL RESULTS IN MILLIGRAMS PER KILOGRAM

BOLD = CONCENTRATIONS THAT EXCEED THE WASHINGTON STATE MODEL TOXICS CONTROL ACT CLEANUP REGULATION CLEANUP LEVELS
< = ANALYTE NOT DETECTED AT OR EXCEEDING THE REPORTING LIMIT LISTED
ATC = ATC ENVIRONMENTAL INC.
BGS = BELOW GROUND SURFACE
DRO = TOTAL PETROLEUM HYDROCARBONS (TPH) AS DIESEL-RANGE ORGANICS
EMS = ENVIRONMENTAL MANAGEMENT SERVICES, LLC
ORO = TPH AS OIL-RANGE ORGANICS
SVE = SOIL VAPOR EXTRACTION
UST = UNDERGROUND STORAGE TANK

N

0 80
SCALE IN FEET

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FIGURE 10

SOIL ANALYTICAL RESULTS
FOR DRO AND ORO
18420 68th AVENUE SOUTH
KENT, WASHINGTON

FARALLON PN: 2032-012

Drawn By: jjones
Checked By: PK
Date: 5/11/2021
Disc Reference: Q:\Projects\2032 Lift Partners\012 18420 68th Ave S\Mapfiles\014\Figure-10_Soil_DRO-ORO.mxd

LEGEND

- MONITORING WELL (FARALLON, 2019-2021)
- MONITORING WELL (ATC ENVIRONMENTAL INC., 2000)
- AIR SPARGE OR SOIL VAPOR EXTRACTION WELL (FARALLON, 2021)
- SOIL GAS SAMPLE (FARALLON, 2019/2020)
- SOIL SAMPLE (FARALLON, 2019-2021)
- SOIL SAMPLE (EMS, 2008)
- SOIL SAMPLE (EMS, 2003)
- FORMER UST
- PROPERTY BOUNDARY

NOTES:
SOIL ANALYTICAL RESULTS REPORTED AS:
DEPTH IN FEET BGS | GRO | BENZENE | TOLUENE | ETHYLBENZENE | XYLENES
ANALYTICAL RESULTS IN MILLIGRAMS PER KILOGRAM

BOLD = CONCENTRATIONS THAT EXCEED THE WASHINGTON STATE MODEL TOXICS CONTROL ACT CLEANUP REGULATION CLEANUP LEVELS
< = ANALYTE NOT DETECTED AT OR EXCEEDING THE REPORTING LIMIT LISTED
--- = DENOTES SAMPLE NOT ANALYZED
BTEX = BENZENE, TOLUENE, ETHYLBENZENE, XYLENES
BGS = BELOW GROUND SURFACE
GRO = TOTAL PETROLEUM HYDROCARBONS AS GASOLINE-RANGE ORGANICS
UST = UNDERGROUND STORAGE TANK

N

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FIGURE 11

SOIL ANALYTICAL RESULTS
FOR GRO AND BTEX
18420 68th AVENUE SOUTH
KENT, WASHINGTON

FARALLON PN: 2032-012

Drawn By: jjones
Checked By: PK
Date: 5/11/2021
Disc Reference:
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LEGEND

- MONITORING WELL (FARALLON, 2019-2021)
- MONITORING WELL (ATC, 2000)
- AIR SPARGE OR SVE WELL (FARALLON, 2021)
- SOIL GAS SAMPLE (FARALLON, 2019/2020)
- SOIL SAMPLE (FARALLON, 2019-2021)
- SOIL SAMPLE (EMS, 2008)
- SOIL SAMPLE (EMS, 2003)
- FORMER UST
- PROPERTY BOUNDARY

NOTES:
GROUNDWATER ANALYTICAL RESULTS REPORTED AS:
DATE SAMPLED | DRO | ORO
ANALYTICAL RESULTS IN MICROGRAMS PER LITER

< = ANALYTE NOT DETECTED AT OR EXCEEDING THE REPORTING LIMIT LISTED
ATC = ATC ENVIRONMENTAL INC.
DRO = TOTAL PETROLEUM HYDROCARBONS (TPH) AS DIESEL-RANGE ORGANICS
EMS = ENVIRONMENTAL MANAGEMENT SERVICES, LLC
ORO = TPH AS OIL-RANGE ORGANICS
SVE = SOIL VAPOR EXTRACTION
UST = UNDERGROUND STORAGE TANK

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SCALE IN FEET

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FIGURE 12

GROUNDWATER ANALYTICAL RESULTS
FOR DRO AND ORO
18420 68th AVENUE SOUTH
KENT, WASHINGTON

FARALLON PN: 2032-012

Drawn By: jjones | Checked By: PK | Date: 5/11/2021 | Disc Reference: Q:\Projects\2032 Lift Partners\012 18420 68th Ave S\Mapfiles\014\Figure-12_GW_DRO-ORO.mxd

FMW-1
12/16/2019|<100|<0.20|<1.0|<0.20|<0.60

AREA-1-B1
09/22/2003|<100|<1.0|<1.0|<1.0|<1.0

FMW-2
12/16/2019|<100|<0.20|<1.0|<0.20|<0.60
09/29/2020|---|<0.20|<1.0|<0.20|<0.60

FMW-8
09/29/2020|---|<0.20|<1.0|<0.20|<0.60

FMW-9
09/30/2020|---|<0.20|<1.0|<0.20|<0.60

BUILDING 5

B-1
12/11/2019|<100|<0.20|<1.0|2.1|10.8

FMW-6
12/16/2019|<100|<0.20|<1.0|<0.20|<0.60
09/29/2020|---|<0.20|<1.0|<0.20|<0.60

B-9
12/12/2019|<100|<0.20|<1.0|0.82|4.09

BUILDING 4

BUILDING 1

B-2
12/11/2019|<100|<0.20|<1.0|2.7|15

FMW-7
09/29/2020|---|<0.20|<1.0|<0.20|<0.60

BUILDING 3

B-3
12/11/2019|<100|<0.20|<1.0|1.1|5.9

B-11
12/12/2019|<400|<0.20|<1.0|2.6|14.1

B-4
12/11/2019|<100|<0.20|<1.0|0.67|3.33

B-10
12/12/2019|<100|<0.20|<1.0|0.77|3.86

FMW-5
12/16/2019|<100|<0.20|<1.0|<0.20|<0.60
09/29/2020|---|<0.20|<1.0|<0.20|<0.60

B-7
12/12/2019|<400|<0.20|<1.0|1.2|6.4

FMW-3
12/16/2019|<100|<0.20|<1.0|<0.20|<0.60
09/29/2020|---|<0.20|<1.0|<0.20|<0.60

FMW-4
12/16/2019|<100|<0.20|<1.0|<0.20|<0.60
09/30/2020|---|<0.20|<1.0|<0.20|<0.60

MW-1
12/17/2019|<100|<0.20|<1.0|<0.20|<0.60
09/30/2020|---|<0.20|<1.0|<0.20|<0.60

BUILDING 2

B-5
12/11/2019|<100|<0.20|<1.0|1.2|6.0

B-6
12/12/2019|<100|<0.20|<1.0|1.2|6.4

MW-3
12/17/2019|<100|<0.20|<1.0|<0.20|<0.60
09/30/2020|---|<0.20|<1.0|<0.20|<0.60

MW-2
12/17/2019|<100|<0.20|<1.0|<0.20|<0.60
09/30/2020|---|<0.20|<1.0|<0.20|<0.60

WEST VALLEY BUSINESS PARK

WEST VALLEY HIGHWAY

72nd AVENUE SOUTH

LEGEND

- MONITORING WELL (FARALLON, 2019-2021)
- MONITORING WELL (ATC ENVIRONMENTAL INC., 2000)
- AIR SPARGE OR SOIL VAPOR EXTRACTION WELL (FARALLON, 2021)
- SOIL GAS SAMPLE (FARALLON, 2019/2020)
- SOIL SAMPLE (FARALLON, 2019-2021)
- SOIL SAMPLE (EMS, 2008)
- SOIL SAMPLE (EMS, 2003)
- FORMER UST
- PROPERTY BOUNDARY

NOTES:
GROUNDWATER ANALYTICAL RESULTS REPORTED AS:
DATE SAMPLED | GRO | BENZENE | TOLUENE | ETHYLBENZENE | XYLENES
ANALYTICAL RESULTS IN MICROGRAMS PER LITER

< = ANALYTE NOT DETECTED AT OR EXCEEDING THE REPORTING LIMIT LISTED
--- = DENOTES SAMPLE NOT ANALYZED
BTEX = BENZENE, TOLUENE, ETHYLBENZENE, XYLENES
BGS = BELOW GROUND SURFACE
GRO = TOTAL PETROLEUM HYDROCARBONS AS GASOLINE-RANGE ORGANICS
UST = UNDERGROUND STORAGE TANK

N

0 80
SCALE IN FEET

1. ALL LOCATIONS ARE APPROXIMATE.
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FIGURE 13

GROUNDWATER ANALYTICAL RESULTS
FOR GRO AND BTEX
18420 68th AVENUE SOUTH
KENT, WASHINGTON

FARALLON PN: 2032-012

Drawn By: jjones | Checked By: PK | Date: 5/12/2021 | Disc Reference: Q:\Projects\2032 Lift Partners\012 18420 68th Ave S\Mapfiles\014\Figure-13_GW_GRO-BTEX.mxd

LEGEND

- MONITORING WELL (FARALLON, 2019-2021)
- MONITORING WELL (ATC, 2000)
- MONITORING WELL (EMS, 2004)
- AIR SPARGE OR SVE WELL (FARALLON, 2021)
- SOIL GAS SAMPLE (FARALLON, 2019/2020)
- SOIL SAMPLE (FARALLON, 2019-2021)
- SOIL SAMPLE (EMS, 2008)
- SOIL SAMPLE (EMS, 2003)
- FORMER UST
- PROPERTY BOUNDARY

NOTES:
SOIL ANALYTICAL RESULTS REPORTED AS:
DEPTH IN FEET BGS | cPAH TEC
ANALYTICAL RESULTS IN MILLIGRAMS PER KILOGRAM

BOLD = CONCENTRATIONS THAT EXCEED THE WASHINGTON STATE MODEL TOXICS CONTROL ACT CLEANUP REGULATION CLEANUP LEVELS
< = ANALYTE NOT DETECTED AT OR EXCEEDING THE REPORTING LIMIT LISTED
ATC = ATC ENVIRONMENTAL INC.
BGS = BELOW GROUND SURFACE
cPAH TEC = CARCINOGENIC POLYCYCLIC AROMATIC HYDROCARBON TOXIC EQUIVALENT CONCENTRATION
EMS = ENVIRONMENTAL MANAGEMENT SERVICES, LLC
SVE = SOIL VAPOR EXTRACTION
UST = UNDERGROUND STORAGE TANK

N

0 80
SCALE IN FEET

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FIGURE 14

SOIL ANALYTICAL RESULTS
FOR cPAH TEC
18420 68th AVENUE SOUTH
KENT, WASHINGTON

FARALLON PN: 2032-012

Drawn By: jjones | Checked By: PK | Date: 5/12/2021 | Disc Reference: Q:\Projects\2032 Lift Partners\012 18420 68th Ave S\Mapfiles\014\Figure-14_Soil_cPAHs.mxd

LEGEND

- MONITORING WELL (FARALLON, 2019-2021)
- MONITORING WELL (ATC, 2000)
- AIR SPARGE OR SVE WELL (FARALLON, 2021)
- SOIL GAS SAMPLE (FARALLON, 2019/2020)
- SOIL SAMPLE (FARALLON, 2019-2021)
- SOIL SAMPLE (EMS, 2008)
- SOIL SAMPLE (EMS, 2003)
- FORMER UST
- PROPERTY BOUNDARY

NOTES:
GROUNDWATER ANALYTICAL RESULTS REPORTED AS:
DATE SAMPLED | cPAH TEC
ANALYTICAL RESULTS IN MICROGRAMS PER LITER

< =	ANALYTE NOT DETECTED AT OR EXCEEDING THE REPORTING LIMIT LISTED
ATC =	ATC ENVIRONMENTAL INC.
cPAH TEC =	CARCINOGENIC POLYCYCLIC AROMATIC HYDROCARBON TOXIC EQUIVALENT CONCENTRATION
EMS =	ENVIRONMENTAL MANAGEMENT SERVICES, LLC
SVE =	SOIL VAPOR EXTRACTION
UST =	UNDERGROUND STORAGE TANK

N

0 80
SCALE IN FEET

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FIGURE 15

GROUNDWATER ANALYTICAL RESULTS
FOR cPAH TEC
18420 68th AVENUE SOUTH
KENT, WASHINGTON

FARALLON PN: 2032-012

Drawn By: jjones | Checked By: PK | Date: 5/12/2021 | Disc Reference: Q:\Projects\2032 Lift Partners\012 18420 68th Ave S\Mapfiles\014\Figure-15_GW_cPAHs.mxd

LEGEND

- MONITORING WELL (FARALLON, 2019-2021)
- MONITORING WELL (ATC, 2000)
- AIR SPARGE OR SVE WELL (FARALLON, 2021)
- SOIL GAS SAMPLE (FARALLON, 2019/2020)
- SOIL SAMPLE (FARALLON, 2019-2021)
- SOIL SAMPLE (EMS, 2008)
- SOIL SAMPLE (EMS, 2003)
- FORMER UST
- PROPERTY BOUNDARY

NOTES:
SOIL ANALYTICAL RESULTS REPORTED AS:
DEPTH IN FEET BGS | ARSENIC | CADMIUM | CHROMIUM | LEAD
ANALYTICAL RESULTS IN MILLIGRAMS PER KILOGRAM

BOLD = DENOTES CONCENTRATIONS THAT EXCEED THE WASHINGTON STATE MODEL TOXICS CONTROL ACT CLEANUP REGULATION CLEANUP LEVEL
< = ANALYTE NOT DETECTED AT OR EXCEEDING THE REPORTING LIMIT LISTED
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BGS = BELOW GROUND SURFACE
EMS = ENVIRONMENTAL MANAGEMENT SERVICES, LLC
SVE = SOIL VAPOR EXTRACTION
UST = UNDERGROUND STORAGE TANK

N

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SCALE IN FEET

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FIGURE 16

SOIL ANALYTICAL RESULTS
FOR METALS
18420 68th AVENUE SOUTH
KENT, WASHINGTON

FARALLON PN: 2032-012

Drawn By: jjones
Checked By: PK
Date: 5/11/2021
Disc Reference: Q:\Projects\2032 Lift Partners\012 18420 68th Ave S\Mapfiles\014\Figure-16_Soil-Metals.mxd

FMW-9
06/03/2020|<3.3|<3.0
09/30/2020|4.0|3.5
03/10/2021|<3.3|<3.0

FMW-8
06/03/2020|**5.2**|3.7
09/29/2020|5.0|**5.6**
03/10/2021|4.7|4.5

FMW-1
12/16/2019|<3.3|<3.0
06/03/2020|<3.3|<3.0
03/10/2021|<3.3|<3.0

FMW-2
12/16/2019|<3.3|<3.0
06/03/2020|<3.3|<3.0
09/29/2020|<3.3|<3.0
03/10/2021|<3.3|<3.0

FMW-6
12/16/2019|4.0|3.8
06/03/2020|<3.3|<3.0
09/29/2020|4.2|4.3
03/10/2021|<3.3|<3.0

FMW-12
03/10/2021|<3.3|<3.0

FMW-7
06/03/2020|**8.4**|4.7
09/29/2020|**6.4**|**6.5**
03/10/2021|<3.3|<3.0

FMW-5
12/16/2019|5.0|**5.3**
06/03/2020|<3.3|<3.0
09/29/2020|**8.8**|**7.6**
03/10/2021|**6.4**|**5.8**

FMW-4
12/16/2019|**49**|**9.1**
06/03/2020|**18**|**13**
03/10/2021|**17**|**15**

SVE-1
03/10/2021|3.7|<3.0

MW-1
12/17/2019|<3.3|<3.0
06/03/2020|<3.3|<3.0
03/10/2021|<3.3|<3.0

FMW-3
12/16/2019|**26**|**22**
06/03/2020|**45**|**45**
09/29/2020|**31**|**32**
03/10/2021|**51**|**49**

FMW-13
03/10/2021|3.5|<3.0

MW-2
12/17/2019|<3.3|<3.0
06/03/2020|<3.3|<3.0
03/10/2021|<3.3|<3.0

MW-3
12/17/2019|**13**|**13**
06/03/2020|**14**|**12**

BUILDING 1
BUILDING 2
BUILDING 3
BUILDING 4
BUILDING 5
WEST VALLEY BUSINESS PARK
WEST VALLEY HIGHWAY
72nd AVENUE SOUTH

LEGEND

- MONITORING WELL (FARALLON, 2019-2021)
- MONITORING WELL (ATC, 2000)
- AIR SPARGE OR SVE WELL (FARALLON, 2021)
- SOIL GAS SAMPLE (FARALLON, 2019/2020)
- SOIL SAMPLE (FARALLON, 2019-2021)
- SOIL SAMPLE (EMS, 2008)
- SOIL SAMPLE (EMS, 2003)
- FORMER UST
- PROPERTY BOUNDARY

NOTES:
DATE SAMPLED AND ANALYTICAL RESULTS AS:
SAMPLE DATE | TOTAL ARSENIC | DISSOLVED ARSENIC
ANALYTICAL RESULTS IN MICROGRAMS PER LITER

BOLD = DENOTES CONCENTRATIONS THAT EXCEED THE WASHINGTON STATE MODEL TOXICS CONTROL ACT CLEANUP REGULATION CLEANUP LEVEL
< = ANALYTE NOT DETECTED AT OR EXCEEDING THE REPORTING LIMIT LISTED
ATC = ATC ENVIRONMENTAL INC.
EMS = ENVIRONMENTAL MANAGEMENT SERVICES, LLC
SVE = SOIL VAPOR EXTRACTION
UST = UNDERGROUND STORAGE TANK

N

0 80
SCALE IN FEET

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FIGURE 17

GROUNDWATER ANALYTICAL RESULTS
FOR TOTAL AND DISSOLVED ARSENIC
18420 68th AVENUE SOUTH
KENT, WASHINGTON

FARALLON PN: 2032-012

Drawn By: jjones | Checked By: PK | Date: 5/11/2021 | Disc Reference: Q:\Projects\2032 Lift Partners\012 18420 68th Ave S\Mapfiles\014\Figure-17_Groundwater_Arsenic.mxd

LEGEND

- MONITORING WELL TO BE DECOMMISSIONED
- MONITORING WELL (FARALLON, 2019-2021)
- MONITORING WELL (ATC ENVIRONMENTAL INC., 2000)
- AIR SPARGE OR SVE WELL (FARALLON, 2021)
- PROPOSED REDEVELOPMENT BUILDING FOOTPRINT WITH CHEMICAL-RESISTANT VAPOR BARRIER
- PROPOSED REDEVELOPMENT IMPERVIOUS SURFACE FOOTPRINT
- FORMER UNDERGROUND STORAGE TANK (UST)
- PROPERTY BOUNDARY

N

0 80

SCALE IN FEET

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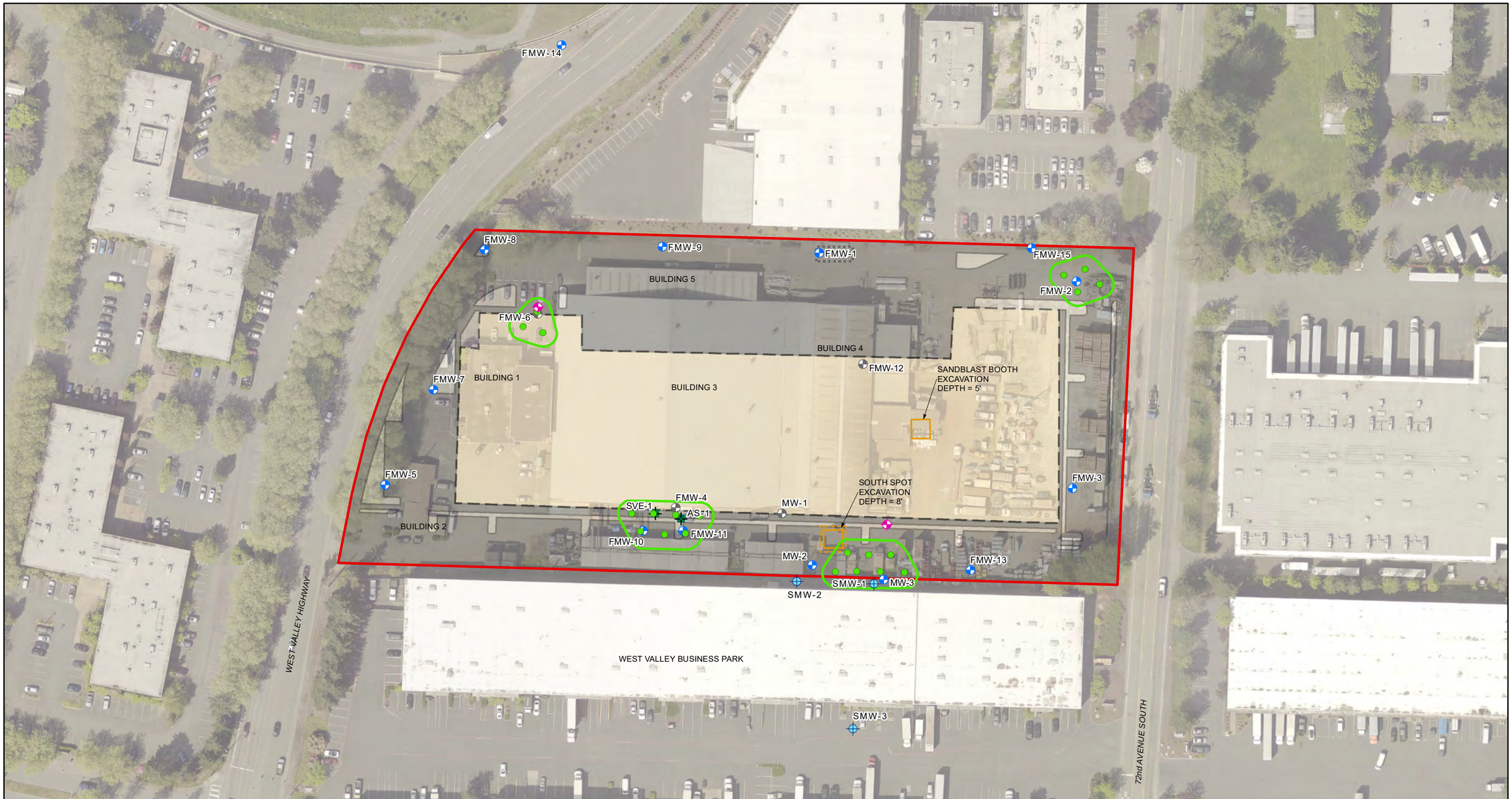
FIGURE 18

CLEANUP ALTERNATIVE 1
18420 68th AVENUE SOUTH
KENT, WASHINGTON

FARALLON PN: 2032-012

Drawn By: jjones | Checked By: PK | Date: 6/21/2021 | Disc Reference: Q:\Projects\2032 Lift Partners\012 18420 68th Ave S\Mapfiles\014\Figure-18_CleanupAlternative-1.mxd



LEGEND

- PROPOSED MONITORING WELL
- MONITORING WELL TO BE DECOMMISSIONED
- MONITORING WELL (FARALLON, 2019-2021)
- MONITORING WELL (ATC ENVIRONMENTAL INC., 2000)
- AIR SPARGE OR SOIL VAPOR EXTRACTION WELL (FARALLON, 2021)
- INJECTION POINT
- TREATMENT AREA
- PROPOSED REDEVELOPMENT IMPERVIOUS SURFACE FOOTPRINT
- PROPOSED REDEVELOPMENT BUILDING FOOTPRINT WITH CHEMICAL-RESISTANT VAPOR BARRIER
- EXCAVATION AREA
- EXCAVATION SLOPE
- FORMER UNDERGROUND STORAGE TANK (UST)
- PROPERTY BOUNDARY

N

0 100

SCALE IN FEET

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FIGURE 19

CLEANUP ALTERNATIVE 2
18420 68th AVENUE SOUTH
KENT, WASHINGTON

FARALLON PN: 2032-012

Drawn By: jjones | Checked By: PK | Date: 6/21/2021 | Disc Reference: Q:\Projects\2032 Lift Partners\012 18420 68th Ave S\Mapfiles\014\Figure-19_CleanupAlternative-2.mxd

FMW-14
FMW-8
FMW-9
FMW-1
FMW-15
BUILDING 5
FMW-2
FMW-6
BUILDING 4
FMW-12
FMW-7
BUILDING 1
BUILDING 3
SANDBLAST BOOTH EXCAVATION DEPTH = 5'
FMW-5
FMW-3
SOUTH SPOT EXCAVATION DEPTH = 8'
FMW-4
SVE-1
AS-1
MW-1
BUILDING 2
FMW-11
FMW-10
MW-2
FMW-13
SMW-1
MW-3
SMW-2
WEST VALLEY HIGHWAY
WEST VALLEY BUSINESS PARK
SMW-3
72nd AVENUE SOUTH

LEGEND

- PROPOSED MONITORING WELL
- MONITORING WELL TO BE DECOMMISSIONED
- MONITORING WELL (FARALLON, 2019-2021)
- MONITORING WELL (ATC ENVIRONMENTAL INC., 2000)
- AIR SPARGE OR SOIL VAPOR EXTRACTION WELL (FARALLON, 2021)
- AIR SPARGE WELL
- HORIZONTAL SOIL VAPOR EXTRACTION LINE
- AIR SPARGE TREATMENT AREA
- PROPOSED REDEVELOPMENT BUILDING FOOTPRINT WITH CHEMICAL-RESISTANT VAPOR BARRIER
- PROPOSED REDEVELOPMENT IMPERVIOUS SURFACE FOOTPRINT
- EXCAVATION AREA
- EXCAVATION SLOPE
- FORMER UNDERGROUND STORAGE TANK (UST)
- PROPERTY BOUNDARY

N

0 100

SCALE IN FEET

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FIGURE 20

CLEANUP ALTERNATIVE 3
18420 68th AVENUE SOUTH
KENT, WASHINGTON

FARALLON PN: 2032-012

Drawn By: jjones
Checked By: PK
Date: 6/21/2021
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FMW-14
FMW-8
FMW-9
FMW-1
FMW-15
BUILDING 5
FMW-2
FMW-6
BUILDING 4
FMW-12
FMW-7
BUILDING 1
BUILDING 3
FMW-5
FMW-3
SVE-1
FMW-4
AS-1
MW-1
BUILDING 2
FMW-10
FMW-11
MW-2
FMW-13
SMW-1
MW-3
SMW-2
WEST VALLEY HIGHWAY
WEST VALLEY BUSINESS PARK
SMW-3
72nd AVENUE SOUTH

LEGEND

- PROPOSED MONITORING WELL
- MONITORING WELL (FARALLON, 2019-2021)
- MONITORING WELL (ATC ENVIRONMENTAL INC., 2000)
- MONITORING WELL TO BE DECOMMISSIONED
- AIR SPARGE OR SOIL VAPOR EXTRACTION WELL (FARALLON, 2021)
- PROPOSED REDEVELOPMENT BUILDING FOOTPRINT WITH CHEMICAL-RESISTANT VAPOR BARRIER
- PROPOSED REDEVELOPMENT IMPERVIOUS SURFACE FOOTPRINT
- PROPERTY BOUNDARY

N

0 100

SCALE IN FEET

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FIGURE 21

SITE RESTORATION AND
COMPLIANCE MONITORING WELL NETWORK
18420 68th AVENUE SOUTH
KENT, WASHINGTON

FARALLON PN: 2032-012

Drawn By: jjones | Checked By: PK | Date: 6/21/2021 | Disc Reference: Q:\Projects\2032 Lift Partners\012 18420 68th Ave S\Mapfiles\014\Figure-21_Restoration_w_Compliance.mxd

TABLES

REMEDIAL INVESTIGATION AND
FEASIBILITY STUDY REPORT
18420 68th Avenue South
Kent, Washington

Farallon PN: 2032-012

Table 1
Groundwater Elevations
18420 68th Avenue South
Kent, Washington
Farallon PN: 2032-012

Location	Location Area	Top of Casing Elevation (feet NAVD88)[1]	Measured By	Monitoring Date	Depth to Water (feet)[2]	Water Level Elevation (feet NAVD88)[1]
FMW-1	Coatings	26.24	Farallon	12/16/2019	13.30	12.94
			Farallon	3/10/2021	10.83	15.41
			Farallon	5/24/2021	12.87	13.37
FMW-2	Coatings	26.34	Farallon	12/16/2019	11.80	14.54
			Farallon	9/29/2020	14.44	11.90
			Farallon	3/10/2021	10.80	15.54
			Farallon	5/24/2021	12.78	13.56
FMW-3	Coatings	26.19	Farallon	12/16/2019	9.39	16.80
			Farallon	9/29/2020	13.35	12.84
			Farallon	3/10/2021	6.58	19.61
			Farallon	5/24/2021	9.10	17.09
FMW-4	Coatings	26.91	Farallon	12/16/2019	12.35	14.56
			Farallon	9/29/2020	13.30	13.61
			Farallon	3/10/2021	9.17	17.74
			Farallon	5/24/2021	11.24	15.67
FMW-5	Coatings	27.26	Farallon	12/16/2019	13.99	13.27
			Farallon	9/29/2020	15.15	12.11
			Farallon	3/10/2021	10.89	16.37
			Farallon	5/24/2021	12.85	14.41
FMW-6	Coatings	27.39	Farallon	12/16/2019	14.40	12.99
			Farallon	9/29/2020	15.82	11.57
			Farallon	3/10/2021	11.94	15.45
			Farallon	5/24/2021	14.04	13.35
FMW-7	Coatings	27.02	Farallon	9/29/2020	15.24	11.78
			Farallon	3/10/2021	10.82	16.20
			Farallon	5/24/2021	13.34	13.68
FMW-8	Coatings	26.66	Farallon	9/29/2020	15.10	11.56
			Farallon	3/10/2021	11.15	15.51
			Farallon	5/24/2021	13.26	13.40
FMW-9	Coatings	27.01	Farallon	9/29/2020	15.50	11.51
			Farallon	3/10/2021	11.86	15.15
			Farallon	5/24/2021	13.75	13.26
FMW-10	Coatings	26.42	Farallon	5/24/2021	10.90	15.52
FMW-11	Coatings	26.54	Farallon	5/24/2021	10.57	15.97
FMW-12	Coatings	27.66	Farallon	3/10/2021	12.19	15.47
			Farallon	5/24/2021	14.13	13.53
FMW-13	Coatings	26.13	Farallon	3/10/2021	5.74	20.39
			Farallon	5/24/2021	8.04	18.09
FMW-14	Off-Property	32.25	Farallon	5/24/2021	17.00	15.25
FMW-15	Coatings	26.25	Farallon	5/24/2021	12.67	13.58

Table 1
Groundwater Elevations
18420 68th Avenue South
Kent, Washington
Farallon PN: 2032-012

Location	Location Area	Top of Casing Elevation (feet NAVD88)[1]	Measured By	Monitoring Date	Depth to Water (feet)[2]	Water Level Elevation (feet NAVD88)[1]
MW-1	Coatings	26.42	EMS	9/29/2004	8.21	18.21
			EMS	12/28/2004	7.43	18.99
			EMS	3/25/2005	10.42	16.00
			EMS	6/7/2005	10.72	15.70
			EMS	8/16/2005	12.01	14.41
			EMS	12/17/2005	12.20	14.22
			EMS	2/4/2006	6.29	20.13
			EMS	6/30/2006	10.53	15.89
			EMS	9/30/2006	12.05	14.37
			EMS	12/11/2006	7.78	18.64
			EMS	1/25/2007	6.90	19.52
			EMS	6/19/2007	10.39	16.03
			EMS	8/10/2007	10.90	15.52
			EMS	12/28/2007	8.53	17.89
			EMS	2/21/2008	9.08	17.34
			EMS	5/21/2008	9.20	17.22
			Farallon	12/16/2019	10.51	15.91
			Farallon	9/29/2020	11.65	14.77
			Farallon	3/10/2021	7.16	19.26
			Farallon	5/24/2021	9.75	16.67
MW-2	Coatings	27.28	EMS	9/29/2004	6.28	21.00
			EMS	12/28/2004	5.99	21.29
			EMS	3/25/2005	6.41	20.87
			EMS	6/7/2005	9.60	17.68
			EMS	8/16/2005	10.89	16.39
			EMS	12/17/2005	10.31	16.97
			EMS	2/4/2006	5.10	22.18
			EMS	6/30/2006	10.69	16.59
			EMS	9/30/2006	11.00	16.28
			EMS	12/11/2006	6.74	20.54
			EMS	1/25/2007	5.75	21.53
			EMS	6/19/2007	9.40	17.88
			EMS	8/10/2007	9.40	17.88
			EMS	12/28/2007	7.72	19.56
			EMS	2/21/2008	8.16	19.12
			EMS	5/21/2008	8.26	19.02
			Farallon	12/16/2019	10.52	16.76
			Farallon	9/29/2020	11.88	15.40
			Farallon	3/10/2021	7.48	19.80
			Farallon	5/24/2021	9.87	17.41

Table 1
Groundwater Elevations
18420 68th Avenue South
Kent, Washington
Farallon PN: 2032-012

Location	Location Area	Top of Casing Elevation (feet NAVD88)[1]	Measured By	Monitoring Date	Depth to Water (feet)[2]	Water Level Elevation (feet NAVD88)[1]
MW-3	Coatings	26.45	EMS	9/29/2004	7.80	18.65
			EMS	12/28/2004	6.90	19.55
			EMS	3/25/2005	7.22	19.23
			EMS	6/7/2005	8.72	17.73
			EMS	8/16/2005	10.50	15.95
			EMS	12/17/2005	10.61	15.84
			EMS	2/4/2006	4.67	21.78
			EMS	6/30/2006	8.98	17.47
			EMS	9/30/2006	11.15	15.30
			EMS	12/11/2006	5.32	21.13
			EMS	1/25/2007	6.20	20.25
			EMS	6/19/2007	9.12	17.33
			EMS	8/10/2007	9.12	17.33
			EMS	12/28/2007	5.55	20.90
			EMS	2/21/2008	6.78	19.67
			EMS	5/21/2008	8.50	17.95
			Farallon	12/16/2019	11.52	14.93
			Farallon	9/29/2020	13.77	12.68
			Farallon	3/10/2021	6.15	20.30
			Farallon	5/24/2021	8.60	17.85
SVE-1	Coatings	27.06	Farallon	3/10/2021	5.55	21.51

Notes:

— denotes elevation could not be calculated.

[1] In feet referenced to North American Vertical Datum of 1988 (NAVD88).

[2] In feet below top of well casing.

Coatings = Coatings Unlimited, Inc.

EMS = Environmental Management Services, LLC

Farallon = Farallon Consulting, L.L.C.

Table 2
Groundwater Analytical Results for Halogenated Volatile Organic Compounds
18420 68th Avenue South
Kent, Washington
Farallon PN: 2032-012

Sample Location	Location Area	Sampled By	Sample Date	Sample Identification	Analytical Results (micrograms per liter)[1]				
					PCE	TCE	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Vinyl Chloride
Reconnaissance Boring Groundwater Samples									
2003 Subsurface Investigation									
Area-2-B6	Coatings	EMS	9/22/2003	B-6	< 1.0	< 1.0	< 1.0	< 1.0	< 0.2
Area-2-B7	Coatings	EMS	9/22/2003	B-7	< 1.0	< 1.0	< 1.0	< 1.0	< 0.2
Area-2-B8	Coatings	EMS	9/22/2003	B-8	< 1.0	< 1.0	< 1.0	< 1.0	**15**
Area-2-B9	Coatings	EMS	9/29/2003	B-9	< 1.0	< 1.0	4.2	< 1.0	**5.9**
Area-2-B10	Coatings	EMS	9/29/2003	B-10	< 1.0	< 1.0	7.8	< 1.0	**0.25**
Area-2-B11	Coatings	EMS	9/29/2003	B-11	< 1.0	< 1.0	< 1.0	< 1.0	< 0.2
Area-2-B12	Coatings	EMS	9/29/2003	B-12	< 1.0	< 1.0	< 1.0	< 1.0	< 0.2
Area-2-B13	Coatings	EMS	9/29/2003	B-13	< 1.0	< 1.0	7.8	< 1.0	**0.24**
Area-2-B14	Coatings	EMS	9/29/2003	B-14	< 1.0	< 1.0	3	< 1.0	< 0.2
Area-2-B15	Coatings	EMS	9/29/2003	B-15	< 1.0	< 1.0	**18**	< 1.0	< 0.2
Area-2-B16	Coatings	EMS	9/29/2003	B-16	< 1.0	< 1.0	1	< 1.0	< 0.2
2008 Subsurface Investigation									
EMS-B1	West Valley	EMS	2/13/2008	B1-021208-W1	< 1.0	< 1.0	< 1.0	< 1.0	< 0.2
EMS-B2	West Valley	EMS	2/13/2008	B2-021208-W2	< 1.0	< 1.0	< 1.0	< 1.0	< 0.2
EMS-B3	West Valley	EMS	2/13/2008	B3-021208-W3	< 1.0	< 1.0	< 1.0	< 1.0	< 0.2
EMS-B4	West Valley	EMS	2/13/2008	B4-021208-W4	< 1.0	< 1.0	< 1.0	< 1.0	< 0.2
EMS-B5	West Valley	EMS	2/13/2008	B5-021208-W5	< 1.0	< 1.0	< 1.0	< 1.0	< 0.2
EMS-B6	Coatings	EMS	2/13/2008	B6-021208-W6	< 1.0	< 1.0	< 1.0	< 1.0	< 0.2
EMS-B7	Coatings	EMS	2/13/2008	B7-021208-W7	< 1.0	< 1.0	< 1.0	< 1.0	< 0.2
EMS-B8	Coatings	EMS	2/13/2008	B8-021208-W8	< 1.0	< 1.0	1.6	< 1.0	**0.57**
EMS-B9	Coatings	EMS	3/21/2008	B9-032108-W9	< 1.0	< 1.0	**57.1**	3.0	**1.1**
EMS-B10	Coatings	EMS	3/21/2008	B10-032108-W10	< 1.0	< 1.0	< 1.0	< 1.0	< 0.2
EMS-B11	Coatings	EMS	3/21/2008	B11-032108-W11	< 1.0	< 1.0	< 1.0	< 1.0	< 0.2
EMS-B12	Coatings	EMS	3/21/2008	B12-032108-W12	< 1.0	< 1.0	2.8	< 1.0	< 0.2
EMS-B13	Coatings	EMS	3/21/2008	B13-032108-W13	< 1.0	< 1.0	< 1.0	< 1.0	< 0.2
EMS-B14	Coatings	EMS	3/21/2008	B14-021208-W14	< 1.0	< 1.0	< 1.0	< 1.0	< 0.2
MTCA Cleanup Levels for Groundwater					**5**[2]	**5**[2]	**16**[3]	**160**[3]	**0.2**[2]

Table 2
Groundwater Analytical Results for Halogenated Volatile Organic Compounds
18420 68th Avenue South
Kent, Washington
Farallon PN: 2032-012

Sample Location	Location Area	Sampled By	Sample Date	Sample Identification	Analytical Results (micrograms per liter)[1]				
					PCE	TCE	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Vinyl Chloride
2019 Subsurface Investigation									
B-1	Coatings	Farallon	12/11/2019	B1-121119-GW	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
B-2	Coatings	Farallon	12/11/2019	B2-121119-GW	1.0	0.38	1.9	< 0.20	**0.38**
B-3	Coatings	Farallon	12/11/2019	B3-121119-GW	< 0.20	< 0.20	0.20	< 0.20	< 0.20
B-4	Coatings	Farallon	12/11/2019	B4-121119-GW	< 0.20	< 0.20	1.0	< 0.20	**0.56**
B-5	Coatings	Farallon	12/11/2019	B5-121119-GW	< 0.20	< 0.20	**29**	0.43	**2.0**
B-6	Coatings	Farallon	12/12/2019	B6-121219-GW	< 0.20	1.8	13	0.25	**0.29**
B-7	Coatings	Farallon	12/12/2019	B7-121219-GW	< 0.20	< 0.20	**17**	0.95	**3.2**
B-9	Coatings	Farallon	12/12/2019	B9-121219-GW	< 0.20	< 0.20	< 0.20	0.31	**0.66**
B-10	Coatings	Farallon	12/12/2019	B10-121219-GW	< 0.20	< 0.20	4.1	0.51	**7.0**
B-11	Coatings	Farallon	12/12/2019	B11-121219-GW	< 0.20	0.40	1.2	< 0.20	< 0.20
2021 Subsurface Investigation									
F-31	Coatings	Farallon	5/19/2021	F-31-20210519	< 0.20	0.34	**19**	2.0	**15**
F-32	Coatings	Farallon	5/19/2021	F-32-15-20210519	< 0.20	< 0.20	2.0	< 0.20	**0.28**
		Farallon	5/19/2021	F-32-35-20210519	< 0.20	< 0.20	0.74	< 0.20	**0.31**
Monitoring Well Groundwater Samples									
FMW-1	Coatings	Farallon	12/16/2019	FMW-1-121619	< 0.20	< 0.20	3.4	< 0.20	**0.32**
		Farallon	6/3/2020	FMW-1-06032020	< 0.20	0.24	1.6	< 0.20	< 0.20
		Farallon	3/10/2021	FMW-1-20210310	< 0.20	0.22	0.51	< 0.20	< 0.020
FMW-2	Coatings	Farallon	12/16/2019	FMW-2-121619	< 0.20	< 0.20	< 0.20	0.81	**0.51**
		Farallon	6/3/2020	FMW-2-06032020	< 0.20	< 0.20	0.42	0.26	**0.46**
		Farallon	9/29/2020	FMW-2-092920	< 0.20	< 0.20	0.26	0.34	**0.33**
		Farallon	3/10/2021	FMW-2-20210310	< 0.20	< 0.20	0.58	< 0.20	0.068
FMW-3	Coatings	Farallon	12/16/2019	FMW-3-121619	< 0.20	< 0.20	0.25	< 0.20	< 0.20
		Farallon	6/3/2020	FMW-3-06032020	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
		Farallon	9/29/2020	FMW-3-092920	< 0.20	< 0.20	0.21	< 0.20	0.090
		Farallon	3/10/2021	FMW-3-20210310	< 0.20	< 0.20	< 0.20	< 0.20	< 0.020
MTCA Cleanup Levels for Groundwater					**5**[2]	**5**[2]	**16**[3]	**160**[3]	**0.2**[2]

Table 2
Groundwater Analytical Results for Halogenated Volatile Organic Compounds
18420 68th Avenue South
Kent, Washington
Farallon PN: 2032-012

Sample Location	Location Area	Sampled By	Sample Date	Sample Identification	Analytical Results (micrograms per liter)[1]				
					PCE	TCE	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Vinyl Chloride
FMW-4	Coatings	Farallon	12/16/2019	FMW-4-121619	< 0.20	< 0.20	15	1.3	**3.8**
		Farallon	6/3/2020	FMW-4-060320	< 0.20	< 0.20	6.6	0.67	**5.7**
		Farallon	9/30/2020	FMW-4-093020	< 0.20	< 0.20	10	1.0	**4.3**
		Farallon	3/10/2021	FMW-4-20210310	< 0.20	< 0.20	2.4	< 0.20	**1.3**
FMW-5	Coatings	Farallon	12/16/2019	FMW-5-121619	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
		Farallon	6/3/2020	FMW-5-060320	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
		Farallon	9/29/2020	FMW-5-092920	< 0.20	< 0.20	< 0.20	< 0.20	< 0.020
		Farallon	3/10/2021	FMW-5-20210310	< 0.20	< 0.20	< 0.20	< 0.20	< 0.020
FMW-6	Coatings	Farallon	12/16/2019	FMW-6-121619	< 0.20	0.23	2.4	0.32	**1.9**
		Farallon	6/3/2020	FMW-6-06032020	< 0.20	< 0.20	0.99	< 0.20	**1.4**
		Farallon	9/29/2020	FMW-6-092920	< 0.20	< 0.20	2.6	0.31	**2.1**
		Farallon	3/10/2021	FMW-6-20210310	< 0.20	0.22	0.42	< 0.20	0.16
FMW-7	Coatings	Farallon	6/3/2020	FMW-7-060320	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
		Farallon	9/29/2020	FMW-7-092920	< 0.20	< 0.20	< 0.20	< 0.20	< 0.020
		Farallon	3/10/2021	FMW-7-20210310	< 0.20	< 0.20	< 0.20	< 0.20	< 0.020
FMW-8	Coatings	Farallon	6/3/2020	FMW-8-060320	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
		Farallon	9/29/2020	FMW-8-092920	< 0.20	< 0.20	< 0.20	< 0.20	< 0.020
		Farallon	3/10/2021	FMW-8-20210310	< 0.20	< 0.20	< 0.20	< 0.20	< 0.020
FMW-9	Coatings	Farallon	6/3/2020	FMW-9-06032020	< 0.20	0.46	0.25	< 0.20	< 0.20
		Farallon	9/30/2020	FMW-9-093020	< 0.20	0.30	1.3	< 0.20	0.14
		Farallon	3/10/2021	FMW-9-20210310	< 0.20	0.44	< 0.20	< 0.20	< 0.020
		Farallon	5/24/2021	FMW-9-20210524	< 0.20	0.61	< 0.20	< 0.20	< 0.020
FMW-12	Coatings	Farallon	3/10/2021	FMW-12-20210310	0.73	2.0	< 0.20	< 0.20	< 0.020
FMW-13	Coatings	Farallon	3/10/2021	FMW-13-20210310	< 0.20	< 0.20	< 0.20	< 0.20	0.057
FMW-14	Off-Property	Farallon	5/24/2021	FMW-14-20210524	< 0.20	< 0.20	< 0.20	< 0.20	< 0.020
FMW-15	Coatings	Farallon	5/24/2021	FMW-15-20210524	< 0.20	< 0.20	< 0.20	< 0.20	< 0.020
MTCA Cleanup Levels for Groundwater					**5[2]**	**5[2]**	**16[3]**	**160[3]**	**0.2[2]**

Table 2
Groundwater Analytical Results for Halogenated Volatile Organic Compounds
18420 68th Avenue South
Kent, Washington
Farallon PN: 2032-012

Sample Location	Location Area	Sampled By	Sample Date	Sample Identification	Analytical Results (micrograms per liter)[1]				
					PCE	TCE	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Vinyl Chloride
MW-1	Coatings	EMS	9/29/2004	MW1-092904	< 1	< 1	**46**	3	**260**
		EMS	12/28/2004	MW1-122804	< 1	< 1	**22**	2	**82**
		EMS	3/25/2005	MW1-032505	< 1	< 1	9	1	**39**
		EMS	6/7/2005	MW1-060705	< 1	< 1	6.9	2	**25**
		EMS	8/16/2005	MW1-081605	< 4	< 4	14	< 4	**230**
		EMS	12/17/2005	MW1-121705	< 0.5	< 0.5	7.2	0.8	**28**
		EMS	2/4/2006	MW1-020406	< 1	< 1	9	1.1	**43**
		EMS	6/30/2006	MW1-063006	< 1	< 1	4.6	< 1	**39**
		EMS	9/30/2006	MW1-093006	< 1	< 1	11	2.5	**160**
		EMS	12/11/2006	MW1-121106	< 1	< 1	5.5	2.5	**40**
		EMS	1/25/2007	MW1-012507	< 1	< 1	9	< 1	**40.3**
		EMS	6/19/2007	MW1-061907	< 1	< 1	9.8	1.1	**27**
		EMS	8/10/2007	MW1-081007	< 1	< 1	14	2.1	**75**
		EMS	12/28/2007	MW1-122807	< 1	1.7	8.2	< 1	**16**
		EMS	2/21/2008	MW1-022108	< 1	1.4	12	1.1	**27**
		EMS	5/21/2008	MW1-052108	< 1	1.0	15	1.6	**34**
		Farallon	12/17/2019	MW-1-121719	< 0.20	2.1	**18**	0.33	< 0.20
		Farallon	6/3/2020	MW-1-060320	< 0.20	1.4	7.9	< 0.20	< 0.20
		Farallon	9/30/2020	MW-1-093020	< 0.20	0.95	6.1	< 0.20	0.049
		Farallon	3/10/2021	MW-1-20210310	< 0.20	1.1	4.4	< 0.20	0.024
MTCA Cleanup Levels for Groundwater					**5**[2]	**5**[2]	**16**[3]	**160**[3]	**0.2**[2]

Table 2
Groundwater Analytical Results for Halogenated Volatile Organic Compounds
18420 68th Avenue South
Kent, Washington
Farallon PN: 2032-012

Sample Location	Location Area	Sampled By	Sample Date	Sample Identification	Analytical Results (micrograms per liter)[1]				
					PCE	TCE	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Vinyl Chloride
MW-2	Coatings	EMS	9/29/2004	MW2-092904	< 1	< 1	**90**	3	**170**
		EMS	12/28/2004	MW2-122804	< 1	< 1	7	1	**130**
		EMS	3/25/2005	MW2-032505	< 1	< 1	**36**	2	**190**
		EMS	6/7/2005	MW2-060705	< 2	< 2	**32**	< 2	**180**
		EMS	8/16/2005	MW2-081605	< 1	< 1	**39**	2.1	**260**
		EMS	12/17/2005	MW2-121705	< 0.5	< 0.5	**31**	1.3	**96**
		EMS	2/4/2006	MW2-020406	< 1	< 1	4.1	< 1	**18**
		EMS	6/30/2006	MW2-063006	< 1	< 1	**18**	< 1	**88**
		EMS	9/30/2006	MW2-093006	< 1	< 1	**44**	1.7	**140**
		EMS	12/11/2006	MW2-121106	< 1	< 1	0.99	< 1	**3.5**
		EMS	1/25/2007	MW2-012507	< 1	< 1	0.99	< 1	**1.5**
		EMS	6/19/2007	MW2-061907	< 1	< 1	**35**	1.6	**140**
		EMS	8/10/2007	MW2-081007	< 1	< 1	0.99	< 1	0.2
		EMS	12/28/2007	MW2-122807	< 1	< 1	1.6	< 1	**16**
		EMS	2/21/2008	MW2-022108	< 1	< 1	10	< 1	**52**
		EMS	5/21/2008	MW2-052108	< 1	< 1	**29**	1.6	**100**
		Farallon	12/17/2019	MW-2-121719	< 0.20	1.3	0.64	< 0.20	< 0.20
		Farallon	6/3/2020	MW-2-060320	< 0.20	0.55	< 0.20	< 0.20	< 0.20
		Farallon	9/30/2020	MW-2-093020	< 0.20	1.4	0.83	< 0.20	< 0.020
		Farallon	3/10/2021	MW-2-20210310	1.2	0.72	0.24	< 0.20	< 0.020
MTCA Cleanup Levels for Groundwater					**5**[2]	**5**[2]	**16**[3]	**160**[3]	**0.2**[2]

Table 2
Groundwater Analytical Results for Halogenated Volatile Organic Compounds
18420 68th Avenue South
Kent, Washington
Farallon PN: 2032-012

Sample Location	Location Area	Sampled By	Sample Date	Sample Identification	Analytical Results (micrograms per liter)[1]				
					PCE	TCE	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Vinyl Chloride
MW-3	Coatings	EMS	9/29/2004	MW3-092904	< 1	< 1	1	< 1	0.2
		EMS	12/28/2004	MW3-122804	< 1	< 1	1	< 1	0.2
		EMS	3/25/2005	MW3-032505	< 1	< 1	1	< 1	0.2
		EMS	6/7/2005	MW3-060705	< 1	< 1	0.99	< 1	0.2
		EMS	8/16/2005	MW3-081605	< 1	< 1	3.3	< 1	0.2
		EMS	12/17/2005	MW3-121705	< 0.5	0.5	1.5	< 0.5	0.2
		EMS	2/4/2006	MW3-020406	< 1	1.5	0.99	< 1	0.2
		EMS	6/30/2006	MW3-063006	< 1	< 1	0.99	< 1	0.2
		EMS	9/30/2006	MW3-093006	< 1	< 1	4.9	< 1	0.2
		EMS	12/11/2006	MW3-121106	< 1	< 1	0.99	< 1	0.2
		EMS	1/25/2007	MW3-012507	< 1	< 1	0.99	< 1	0.2
		EMS	6/19/2007	MW3-061907	< 1	< 1	0.99	< 1	0.2
		EMS	8/10/2007	MW3-081007	< 1	< 1	**51**	4.9	**670**
		EMS	12/28/2007	MW3-122807	< 1	< 1	0.99	< 1	0.2
		EMS	2/21/2008	MW3-022108	< 0.2	< 1	0.99	< 1	0.2
		EMS	2/21/2008	MW3-022108	< 0.2	< 1	0.99	< 1	0.2
		EMS	5/21/2008	MW3-052108	< 1	< 1	2.6	< 1	**0.32**
		Farallon	12/17/2019	MW-3-121719	< 0.20	< 0.20	14	3.2	**0.85**
		Farallon	6/3/2020	MW-3-060320	< 0.20	< 0.20	7.8	1.5	**0.47**
		Farallon	9/30/2020	MW-3-093020	< 0.20	< 0.20	6.5	1.1	**1.1**
		Farallon	3/10/2021	MW-3-20210310	0.37	0.32	< 0.20	< 0.20	0.066
MTCA Cleanup Levels for Groundwater					**5[2]**	**5[2]**	**16[3]**	**160[3]**	**0.2[2]**

Table 2
Groundwater Analytical Results for Halogenated Volatile Organic Compounds
18420 68th Avenue South
Kent, Washington
Farallon PN: 2032-012

Sample Location	Location Area	Sampled By	Sample Date	Sample Identification	Analytical Results (micrograms per liter)[1]				
					PCE	TCE	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Vinyl Chloride
SMW-1	West Valley	URS	5/21/2002	AMBMW1052102	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
SMW-2	West Valley	URS	5/21/2002	AMBMW2052102	< 1.0	1.0	1.1	< 1.0	< 1.0
SMW-3	West Valley	URS	5/21/2002	AMBMW3052102	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
SVE-1	Coatings	Farallon	3/10/2021	SVE-1-20210310	0.21	0.24	3.6	0.38	**1.2**
		Farallon	3/25/2021	SVE-1-032521	0.40	0.40	1.9	< 0.20	< 0.20
MTCA Cleanup Levels for Groundwater					**5**[2]	**5**[2]	**16**[3]	**160**[3]	**0.2**[2]

NOTES:

Results in **bold** and highlighted gold denote concentrations exceeding applicable cleanup levels.

< denotes analyte not detected at or exceeding the reporting limit listed.

[1]Analyzed by U.S. Environmental Protection Agency (EPA) Method 8260 except for samples analyzed in 2003; 2003 samples analyzed by EPA Method 8021B. Only select VOCs shown in table; see lab reports for full list of analytes.

[2]Washington State Model Toxics Control Act Cleanup Regulation (MTCA) Method A Soil Cleanup Levels for Unrestricted Land Uses, Table 740-1 of Section 900 of Chapter 173-340 of the Washington Administrative Code, as revised 2013.

[3]Washington State Model Toxics Control Act Cleanup Regulation Cleanup Levels and Risk Calculations, Standard Method B Values for Groundwater, updated August 2020, https://ecology.wa.gov/Regulations-Permits/Guidance-technical-assistance/Contamination-clean-up-tools/CLARC

Coatings = Coatings Unlimited, Inc.
EMS = Environmental Management Services, LLC
Farallon = Farallon Consulting, L.L.C.
PCE = tetrachloroethene
TCE = trichloroethene
URS = URS Corporation
VOC = volatile organic compound
West Valley = West Valley Business Park

Table 3
Soil Analytical Results for Halogenated Volatile Organic Compounds
18420 68th Avenue South
Kent, Washington
Farallon PN: 2032-012

Sample Location	Location Area	Sampled By	Sample Identification	Sample Depth (feet)[1]	Sample Date	Analytical Results (milligrams per kilogram)[2]				
						PCE	TCE	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Vinyl Chloride
2008 Subsurface Investigation										
EMS-B1	West Valley	EMS	B1-021208-16'	16.0	2/13/2008	<0.02	<0.03	<0.02	<0.02	<0.02
EMS-B2	West Valley	EMS	B2-021208-13'	13.0	2/13/2008	<0.02	<0.03	<0.02	<0.02	<0.02
EMS-B3	West Valley	EMS	B3-021208-11.5'	11.5	2/13/2008	<0.02	<0.03	<0.02	<0.02	<0.02
EMS-B4	West Valley	EMS	B4-021208-8-9'	8.0-9.0	2/13/2008	<0.02	<0.03	<0.02	<0.02	<0.02
EMS-B5	West Valley	EMS	B5-021208-13.5'	13.5	2/13/2008	<0.02	<0.03	<0.02	<0.02	<0.02
EMS-B6	Coatings	EMS	B6-021208-11'	11.0	2/13/2008	<0.02	<0.03	<0.02	<0.02	<0.02
EMS-B7	Coatings	EMS	B7-021208-13'	13.0	2/13/2008	<0.02	<0.03	<0.02	<0.02	<0.02
EMS-B8	Coatings	EMS	B8-021208-14'	14.0	2/13/2008	<0.02	<0.03	<0.02	<0.02	<0.02
EMS-B9	Coatings	EMS	B9-032108-12'	12.0	3/21/2008	<0.02	**0.091**	0.023	<0.02	<0.02
EMS-B10	Coatings	EMS	B10-032108-15'	15.0	3/21/2008	<0.02	<0.03	<0.02	<0.02	<0.02
EMS-B11	Coatings	EMS	B11-032108-13'	13.0	3/21/2008	<0.02	<0.03	<0.02	<0.02	<0.02
EMS-B12	Coatings	EMS	B12-032108-11'	11.0	3/21/2008	<0.02	<0.03	<0.02	<0.02	<0.02
EMS-B13	Coatings	EMS	B13-032108-12.5'	12.5	3/21/2008	<0.02	<0.03	<0.02	<0.02	<0.02
EMS-B14	Coatings	EMS	B14-032108-13'	13.0	3/21/2008	<0.02	<0.03	<0.02	<0.02	<0.02
2019-2020 Subsurface Investigation										
B-1	Coatings	Farallon	B1-5.0	5.0	12/10/2019	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013
B-2	Coatings	Farallon	B2-5.0	5.0	12/11/2019	0.034	<0.0016	<0.0016	<0.0016	<0.0016
B-3	Coatings	Farallon	B3-5.0	5.0	12/11/2019	<0.0015	<0.0015	<0.0015	<0.0015	<0.0015
B-4	Coatings	Farallon	B4-1.0	1.0	12/11/2019	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
		Farallon	B4-5.0	5.0	12/11/2019	<0.0015	<0.0015	<0.0015	<0.0015	<0.0015
B-5	Coatings	Farallon	B5-5.0	5.0	12/11/2019	<0.0013	<0.0013	0.0015	<0.0013	<0.0013
B-6	Coatings	Farallon	B6-5.0	5.0	12/12/2019	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013
B-7	Coatings	Farallon	B7-5.0	5.0	12/12/2019	0.0057	<0.0014	<0.0014	<0.0014	<0.0014
B-9	Coatings	Farallon	B9-5.0	5.0	12/12/2019	<0.0014	<0.0014	<0.0014	<0.0014	<0.0014
B-10	Coatings	Farallon	B10-5.0	5.0	12/12/2019	0.0023	<0.0014	<0.0014	<0.0014	<0.0014
B-11	Coatings	Farallon	B11-5.0	5.0	12/12/2019	<0.0014	<0.0014	<0.0014	<0.0014	<0.0014
MTCA Cleanup Levels for Soil						**0.05**[3]	**0.03**[3]	**160**[4]	**1,600**[4]	**0.67**[4]

Table 3
Soil Analytical Results for Halogenated Volatile Organic Compounds
18420 68th Avenue South
Kent, Washington
Farallon PN: 2032-012

Sample Location	Location Area	Sampled By	Sample Identification	Sample Depth (feet)[1]	Sample Date	Analytical Results (milligrams per kilogram)[2]				
						PCE	TCE	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Vinyl Chloride
FMW-1	Coatings	Farallon	FMW1-5.0	5.0	12/9/2019	<0.0014	<0.0014	<0.0014	<0.0014	<0.0014
FMW-2	Coatings	Farallon	FMW2-5.0	5.0	12/9/2019	<0.0015	<0.0015	<0.0015	<0.0015	<0.0015
FMW-3	Coatings	Farallon	FMW3-5.0	5.0	12/10/2019	<0.0016	<0.0016	<0.0016	<0.0016	<0.0016
FMW-4	Coatings	Farallon	FMW4-5.0	5.0	12/10/2019	<0.0015	<0.0015	<0.0015	<0.0015	<0.0015
FMW-5	Coatings	Farallon	FMW5-5.0	5.0	12/10/2019	<0.0015	<0.0015	<0.0015	<0.0015	<0.0015
FMW-6	Coatings	Farallon	FMW6-5.0	5.0	12/10/2019	<0.0014	<0.0014	<0.0014	<0.0014	<0.0014
F-23	Coatings	Farallon	F-23-2.0	2.0	5/28/2020	<0.00088	<0.00088	<0.00088	<0.00088	<0.00088
		Farallon	F-23-5.0	5.0	5/28/2020	<0.0012	<0.0012	<0.0012	<0.0012	<0.0012
F-24	Coatings	Farallon	F-24-2.0	2.0	5/28/2020	0.0054	<0.00090	<0.00090	<0.00090	<0.00090
		Farallon	F-24-5.0	5.0	5/28/2020	0.042	<0.0012	<0.0012	<0.0012	<0.0012
2021 Subsurface Investigation										
AS-1	Coatings	Farallon	AS-1-2	2.0	3/3/2021	< 0.0011	< 0.0011	< 0.0011	< 0.0011	< 0.0011
		Farallon	AS-1-10	10.0	3/4/2021	< 0.0015	< 0.0015	< 0.0015	< 0.0015	< 0.0015
FMW-12	Coatings	Farallon	FMW-12-2	2.0	3/3/2021	0.00086	< 0.00083	< 0.00083	< 0.00083	< 0.00083
	Coatings	Farallon	FMW-12-10	10.0	3/5/2021	0.021	< 0.0014	< 0.0014	< 0.0014	< 0.0014
FMW-13	Coatings	Farallon	FMW-13-2	2.0	3/3/2021	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
FMW-14	Off-Property	Farallon	FMW-14-6	6.0	5/19/2021	< 0.0013	< 0.0013	< 0.0013	< 0.0013	< 0.0013
		Farallon	FMW-14-12	12.0	5/19/2021	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012
FMW-15	Coatings	Farallon	FMW-15-5	5.0	5/19/2021	0.0023	< 0.0010	< 0.0010	< 0.0010	< 0.0010
		Farallon	FMW-15-10	10.0	5/19/2021	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012
F-25	Coatings	Farallon	F-25-2	2.0	3/3/2021	0.031	< 0.00091	< 0.00091	< 0.00091	< 0.00091
F-26	Coatings	Farallon	F-26-2	2.0	3/3/2021	< 0.00096	< 0.00096	< 0.00096	< 0.00096	< 0.00096
		Farallon	F-26-6.5	6.5	3/4/2021	0.0028	< 0.0013	< 0.0013	< 0.0013	< 0.0013
		Farallon	F-26-10	10.0	3/4/2021	< 0.0011	< 0.0011	0.0015	< 0.0011	< 0.0011
F-27	Coatings	Farallon	F-27-2	2.0	3/3/2021	< 0.00083	< 0.00083	< 0.00083	< 0.00083	< 0.00083
		Farallon	F-27-7	7.0	3/4/2021	< 0.0013	< 0.0013	< 0.0013	< 0.0013	< 0.0013
		Farallon	F-27-16.5	16.5	3/4/2021	< 0.0012	0.0017	0.022	0.0017	< 0.0012
MTCA Cleanup Levels for Soil						**0.05[3]**	**0.03[3]**	**160[4]**	**1,600[4]**	**0.67[4]**

Table 3
Soil Analytical Results for Halogenated Volatile Organic Compounds
18420 68th Avenue South
Kent, Washington
Farallon PN: 2032-012

Sample Location	Location Area	Sampled By	Sample Identification	Sample Depth (feet)[1]	Sample Date	Analytical Results (milligrams per kilogram)[2]				
						PCE	TCE	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Vinyl Chloride
F-28	Coatings	Farallon	F-28-2	2.0	3/3/2021	< 0.00079	0.00097	< 0.00079	< 0.00079	< 0.00079
		Farallon	F-28-10	10.0	3/4/2021	< 0.0013	< 0.0013	< 0.0013	< 0.0013	< 0.0013
F-29	Coatings	Farallon	F-29-2	2.0	3/3/2021	< 0.00097	< 0.00097	< 0.00097	< 0.00097	< 0.00097
		Farallon	F-29-8	8.0	3/5/2021	0.0017	0.0012	< 0.0011	< 0.0011	< 0.0011
F-30	Coatings	Farallon	F-30-2	2.0	3/3/2021	< 0.00086	0.0022	0.0015	< 0.00086	< 0.00086
		Farallon	F-30-13	13.0	3/5/2021	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
F-31	Coatings	Farallon	F-31-5	5.0	5/19/2021	< 0.0013	< 0.0013	< 0.0013	< 0.0013	< 0.0013
		Farallon	F-31-10	10.0	5/19/2021	< 0.0012	0.013	< 0.0012	< 0.0012	< 0.0012
		Farallon	F-31-12	12.0	5/19/2021	< 0.0013	< 0.0013	0.21	0.0092	0.026
		Farallon	F-31-15	15.0	5/19/2021	< 0.0010	0.0038	0.091	0.0050	0.010
		Farallon	F-31-19.5	19.5	5/19/2021	< 0.0011	< 0.0011	0.0029	< 0.0011	< 0.0011
SVE-1	Coatings	Farallon	SVE-1-5	5.0	3/4/2021	< 0.0013	< 0.0013	< 0.0013	< 0.0013	< 0.0013
		Farallon	SVE-1-20	20.0	3/4/2021	< 0.0013	< 0.0013	0.015	0.0018	0.0059
MTCA Cleanup Levels for Soil						**0.05**[3]	**0.03**[3]	**160**[4]	**1,600**[4]	**0.67**[4]

NOTES:

Results in **bold** and highlighted gold denote concentrations exceeding applicable cleanup levels.

< denotes analyte not detected at or exceeding the reporting limit listed.

[1]Depth in feet below ground surface.

[2]Analyzed by U.S. Environmental Protection Agency Method 8260. Only select VOCs shown in table; see lab reports for full list of analytes.

[3]Washington State Model Toxics Control Act Cleanup Regulation (MTCA) Method A Soil Cleanup Levels for Unrestricted Land Uses, Table 740-1 of Section 900 of Chapter 173-340 of the Washington Administrative Code, as revised 2013.

[4]Washington State Cleanup Levels and Risk Calculations under the Washington State Model Toxics Control Act Cleanup Regulation, Standard Method B Formula Values for Soil (Unrestricted Land Use) - Direct Contact (Ingestion Only) and Leaching Pathway, https://ecology.wa.gov/Regulations-Permits/Guidance-technical-assistance/Contamination-clean-up-tools/CLARC

Coatings = Coatings Unlimited, Inc.
EMS = Environmental Management Services, LLC
Farallon = Farallon Consulting, L.L.C.
PCE = tetrachloroethene
TCE = trichloroethene
VOC = volatile organic compound
West Valley = West Valley Business Park

Table 4
Soil Analytical Results for TPH and BTEX
18420 68th Avenue South
Kent, Washington
Farallon PN: 2032-012

Sample Location	Location Area	Sampled By	Sample Identification	Sample Depth (feet)[1]	Sample Date	Analytical Results (milligrams per kilogram)						
						DRO[2]	ORO[2]	GRO[3]	Benzene[4]	Toluene[4]	Ethylbenzene[4]	Xylenes[4]
2003 Limited Subsurface Investigation												
Area-1-B3	Coatings	EMS	B3-092203-SS	13.0-15.0	9/22/2003	< 20	< 40	< 10	< 0.02	< 0.05	< 0.05	< 0.05
2019-2020 Subsurface Investigation												
B-1	Coatings	Farallon	B1-5.0	5.0	12/10/2019	< 27	< 54	< 6.1	< 0.0013	< 0.0067	< 0.0013	< 0.0040
B-2	Coatings	Farallon	B2-5.0	5.0	12/11/2019	< 28	< 57	< 6.6	< 0.0016	< 0.0080	< 0.0016	< 0.0048
B-3	Coatings	Farallon	B3-5.0	5.0	12/11/2019	< 31	< 62	< 7.5	< 0.0015	< 0.0076	< 0.0015	< 0.0045
B-4	Coatings	Farallon	B4-1.0	1.0	12/11/2019	60	170	< 6.4	< 0.0010	< 0.0050	< 0.0010	0.0013
		Farallon	B4-5.0	5.0	12/11/2019	< 33	< 66	< 7.9	< 0.0015	< 0.0075	< 0.0015	< 0.0045
B-5	Coatings	Farallon	B5-5.0	5.0	12/11/2019	1,500	**5,000**	< 12	< 0.0013	< 0.0065	< 0.0013	< 0.0039
B-6	Coatings	Farallon	B6-5.0	5.0	12/12/2019	< 30	< 59	< 6.7	< 0.0013	< 0.0065	< 0.0013	< 0.0039
B-7	Coatings	Farallon	B7-5.0	5.0	12/12/2019	< 30	< 61	< 6.8	< 0.0014	< 0.0070	< 0.0014	< 0.0042
B-9	Coatings	Farallon	B9-5.0	5.0	12/12/2019	< 28	< 55	< 6.0	< 0.0014	< 0.0069	< 0.0014	< 0.0042
B-10	Coatings	Farallon	B10-5.0	5.0	12/12/2019	< 29	< 58	< 6.1	< 0.0014	< 0.0068	< 0.0014	< 0.0041
B-11	Coatings	Farallon	B11-5.0	5.0	12/12/2019	< 31	< 62	< 7.1	< 0.0014	< 0.0071	< 0.0014	< 0.0042
FMW-1	Coatings	Farallon	FMW1-5.0	5.0	12/9/2019	< 36	< 72	< 9.2	< 0.0014	< 0.0069	< 0.0014	< 0.0042
FMW-2	Coatings	Farallon	FMW2-5.0	5.0	12/9/2019	< 36	< 71	< 9.0	< 0.0015	< 0.0077	< 0.0015	< 0.0046
FMW-3	Coatings	Farallon	FMW3-5.0	5.0	12/10/2019	< 30	< 60	< 6.7	< 0.0016	< 0.0080	< 0.0016	< 0.0048
FMW-4	Coatings	Farallon	FMW4-5.0	5.0	12/10/2019	< 36	< 71	< 9.2	< 0.0015	< 0.0074	< 0.0015	< 0.0045
FMW-5	Coatings	Farallon	FMW5-5.0	5.0	12/10/2019	< 27	< 53	< 5.7	< 0.0015	< 0.0076	< 0.0015	< 0.0045
FMW-6	Coatings	Farallon	FMW6-5.0	5.0	12/10/2019	< 35	< 70	< 8.6	< 0.0014	< 0.0070	< 0.0014	< 0.0042
F-14	Coatings	Farallon	F-14-2.0	2.0	5/28/2020	<27	120	---	---	---	---	---
		Farallon	F-14-5.0	5.0	5/28/2020	<28	<56	---	---	---	---	---
F-15	Coatings	Farallon	F-15-2.0	2.0	5/28/2020	<26	<53	---	---	---	---	---
		Farallon	F-15-5.0	5.0	5/28/2020	<28	<57	---	---	---	---	---
F-16	Coatings	Farallon	F-16-2.0	2.0	5/28/2020	<27	<55	---	---	---	---	---
		Farallon	F-16-5.0	5.0	5/28/2020	<29	<58	---	---	---	---	---
F-17	Coatings	Farallon	F-17-2.0	2.0	5/27/2020	<27	<55	---	---	---	---	---
		Farallon	F-17-5.0	5.0	5/27/2020	<29	<59	---	---	---	---	---
MTCA Method A Cleanup Levels for Soil[5]						**2,000**	**2,000**	**30/100[6]**	**0.03**	**7**	**6**	**9**

Table 4
Soil Analytical Results for TPH and BTEX
18420 68th Avenue South
Kent, Washington
Farallon PN: 2032-012

Sample Location	Location Area	Sampled By	Sample Identification	Sample Depth (feet)[1]	Sample Date	Analytical Results (milligrams per kilogram)						
						DRO[2]	ORO[2]	GRO[3]	Benzene[4]	Toluene[4]	Ethylbenzene[4]	Xylenes[4]
F-23	Coatings	Farallon	F-23-2.0	2.0	5/28/2020	30	170	<4.6	---	---	---	---
		Farallon	F-23-5.0	5.0	5/28/2020	<30	<61	<6.4	---	---	---	---
F-24	Coatings	Farallon	F-24-2.0	2.0	5/29/2020	<27	<54	<5.0	---	---	---	---
		Farallon	F-24-5.0	5.0	5/29/2020	<36	<73	<8.5	---	---	---	---
2021 Subsurface Investigation												
F-28	Coatings	Farallon	F-28-5	5.0	3/4/2021	< 30	330	< 7.1	---	---	---	---
		Farallon	F-28-10	10.0	3/4/2021	< 33	< 65	< 7.6	---	---	---	---
FMW-12	Coatings	Farallon	FMW-12-10	10.0	3/5/2021	< 64	200	16	---	---	---	---
MTCA Method A Cleanup Levels for Soil[5]						**2,000**	**2,000**	**30/100[6]**	**0.03**	**7**	**6**	**9**

NOTES:

Results in **bold** and highlighted gold denote concentrations exceeding applicable cleanup levels.

< denotes analyte not detected at or exceeding the laboratory reporting limit listed.

— denotes sample not analyzed.

[1]Depth in feet below ground surface.

[2]Analyzed by Northwest Method NWTPH-Dx.

[3]Analyzed by Northwest Method NWTPH-Gx.

[4]Analyzed by U.S. Environmental Protection Agency Method 8021B or 8260D.

[5]Washington State Model Toxics Control Act Cleanup Regulation (MTCA) Method A Soil Cleanup Levels for Unrestricted Land Uses, Table 740-1 of Section 900 of Chapter 173-340 of the Washington Administrative Code, as revised 2013.

[6]Cleanup level is 30 milligrams per kilogram if benzene is detected and 100 milligrams per kilogram if benzene is not detected.

BTEX = benzene, toluene, ethylbenzene and xylenes

Coatings = Coatings Unlimited, Inc.

DRO = total petroleum hydrocarbons (TPH) as diesel-range organics

EMS = Environmental Management Services, LLC

Farallon = Farallon Consulting, L.L.C.

GRO = TPH as gasoline-range organics

HLA = Harding Lawson Associates

ORO = TPH as oil-range organics

West Valley = West Valley Business Park

Table 5
Groundwater Analytical Results for TPH and BTEX
18420 68th Avenue South
Kent, Washington
Farallon PN: 2032-012

Sample Location	Location Area	Sampled By	Sample Date	Sample Identification	Analytical Results (micrograms per liter)						
					DRO[1]	ORO[1]	GRO[2]	Benzene[3]	Toluene[3]	Ethylbenzene[3]	Xylenes[3]
Reconnaissance Boring Groundwater Samples											
2003 Limited Subsurface Investigation											
Area-1-B1	Coatings	EMS	9/22/2003	B1-092203	< 200	< 400	< 100	< 1.0	< 1.0	< 1.0	< 1.0
2019-2020 Subsurface Investigation											
B-1	Coatings	Farallon	12/11/2019	B1-121119-GW	< 230	290	< 100	< 0.20	< 1.0	2.1	10.8
B-2	Coatings	Farallon	12/11/2019	B2-121119-GW	< 220	< 240	< 100	< 0.20	< 1.0	2.7	15
B-3	Coatings	Farallon	12/11/2019	B3-121119-GW	< 210	420	< 100	< 0.20	< 1.0	1.1	5.9
B-4	Coatings	Farallon	12/11/2019	B4-121119-GW	< 210	< 210	< 100	< 0.20	< 1.0	0.67	3.33
B-5	Coatings	Farallon	12/11/2019	B5-121119-GW	< 220	< 220	< 100	< 0.20	< 1.0	1.2	6.0
B-6	Coatings	Farallon	12/12/2019	B6-121219-GW	< 200	< 220	< 100	< 0.20	< 1.0	1.2	6.4
B-7	Coatings	Farallon	12/12/2019	B7-121219-GW	< 200	< 230	< 400	< 0.20	< 1.0	1.2	6.4
B-9	Coatings	Farallon	12/12/2019	B9-121219-GW	< 200	< 220	< 100	< 0.20	< 1.0	0.82	4.09
B-10	Coatings	Farallon	12/12/2019	B10-121219-GW	< 200	< 220	< 100	< 0.20	< 1.0	0.77	3.86
B-11	Coatings	Farallon	12/12/2019	B11-121219-GW	< 200	< 300	< 400	< 0.20	< 1.0	2.6	14.1
Monitoring Well Groundwater Samples											
FMW-1	Coatings	Farallon	12/16/2019	FMW-1-121619	< 180	310	< 100	< 0.20	< 1.0	< 0.20	< 0.60
FMW-2	Coatings	Farallon	12/16/2019	FMW-2-121619	< 210	< 210	< 100	< 0.20	< 1.0	< 0.20	< 0.60
		Farallon	9/29/2020	FMW-2-092920	< 190	300	---	< 0.20	< 1.0	< 0.20	< 0.60
FMW-3	Coatings	Farallon	12/16/2019	FMW-3-121619	< 210	210	< 100	< 0.20	< 1.0	< 0.20	< 0.60
		Farallon	9/29/2020	FMW-3-092920	< 210	220	---	< 0.20	< 1.0	< 0.20	< 0.60
FMW-4	Coatings	Farallon	12/16/2019	FMW-4-121619	< 210	< 210	< 100	< 0.20	< 1.0	< 0.20	< 0.60
		Farallon	9/30/2020	FMW-4-093020	< 220	< 220	---	< 0.20	< 1.0	< 0.20	< 0.60
FMW-5	Coatings	Farallon	12/16/2019	FMW-5-121619	< 210	260	< 100	< 0.20	< 1.0	< 0.20	< 0.60
		Farallon	9/29/2020	FMW-5-092920	< 170	320	---	< 0.20	< 1.0	< 0.20	< 0.60
FMW-6	Coatings	Farallon	12/16/2019	FMW-6-121619	< 210	< 210	< 100	< 0.20	< 1.0	< 0.20	< 0.60
		Farallon	9/29/2020	FMW-6-092920	< 210	< 210	---	< 0.20	< 1.0	< 0.20	< 0.60
FMW-7	Coatings	Farallon	9/29/2020	FMW-7-092920	< 210	< 210	---	< 0.20	< 1.0	< 0.20	< 0.60
FMW-8	Coatings	Farallon	9/29/2020	FMW-8-092920	< 210	< 210	---	< 0.20	< 1.0	< 0.20	< 0.60
FMW-9	Coatings	Farallon	9/30/2020	FMW-9-093020	< 210	< 210	---	< 0.20	< 1.0	< 0.20	< 0.60
MW-1	Coatings	Farallon	12/17/2019	MW-1-121719	< 210	< 210	< 100	< 0.20	< 1.0	< 0.20	< 0.60
		Farallon	9/30/2020	MW-1-093020	< 200	290	---	< 0.20	< 1.0	< 0.20	< 0.60
MW-2	Coatings	Farallon	12/17/2019	MW-2-121719	< 210	< 210	< 100	< 0.20	< 1.0	< 0.20	< 0.60
		Farallon	9/30/2020	MW-2-093020	< 220	< 220	---	< 0.20	< 1.0	< 0.20	< 0.60
MW-3	Coatings	Farallon	12/17/2019	MW-3-121719	< 210	< 210	< 100	< 0.20	< 1.0	< 0.20	< 0.60
		Farallon	9/30/2020	MW-3-093020	< 190	< 190	---	< 0.20	< 1.0	< 0.20	< 0.60
MTCA Method A Cleanup Level for Groundwater[4]					**500**	**500**	**800/1,000[5]**	**5**	**1,000**	**700**	**1,000**

NOTES:

< denotes analyte not detected at or exceeding the reporting limit listed.

— denotes sample not analyzed.

[1]Analyzed by Northwest Method NWTPH-Dx.

[2]Analyzed by Northwest Method NWTPH-Gx.

[3]Analyzed by U.S. Environmental Protection Agency Method 8021B, 8260D, 8260D/SIM.

[4]Washington State Model Toxics Control Act Cleanup Regulation Method A Cleanup Levels for Groundwater, Table 720-1 of Section 900 of Chapter 173-340 of the Washington Administrative Code, as amended 2013.

[5]Cleanup level is 800 micrograms per liter if benzene is detected and 1,000 micrograms per liter if benzene is not detected.

Coatings = Coatings Unlimited, Inc.

BTEX = benzene, toluene, ethylbenzene, and xylenes

DRO = total petroleum hydrocarbons (TPH) as diesel-range organics

EMS = Environmental Management Services, LLC

Farallon = Farallon Consulting, L.L.C.

GRO = TPH as gasoline-range organics

ORO = TPH as oil-range organics

Table 6
Soil Analytical Results for PAHs
18420 68th Avenue South
Kent, Washington
Farallon PN: 2032-012

Sample Location	Location Area	Sampled By	Sample Identification	Sample Depth (feet)[1]	Sample Date	Analytical Results (milligrams per kilogram)[2]																		
						Non-Carcinogenic PAHs											Carcinogenic PAHs							
						Naphthalene	1-Methylnaphthalene	2-Methylnaphthalene	Total Naphthalenes[3]	Acenaphthene	Acenaphthylene	Anthracene	Benzo(g,h,i)Perylene	Fluoranthene	Fluorene	Phenanthrene	Pyrene	Benzo(a)Pyrene	Benzo(a)Anthracene	Benzo(b)Fluoranthene	Benzo(j,k)Fluoranthene	Chrysene	Dibenzo(a,h)Anthracene	Indeno(1,2,3-cd)Pyrene	Total cPAHs TEC[4,5]
B-1	Coatings	Farallon	B1-5.0	5.0	12/10/2019	< 0.0072	< 0.0072	< 0.0072	< 0.0216	< 0.0072	< 0.0072	< 0.0072	< 0.0072	< 0.0072	< 0.0072	< 0.0072	< 0.0072	< 0.0072	< 0.0072	< 0.0072	< 0.0072	< 0.0072	< 0.0072	< 0.0072	< 0.0054
B-2	Coatings	Farallon	B2-5.0	5.0	12/11/2019	< 0.0076	< 0.0076	< 0.0076	< 0.0228	< 0.0076	< 0.0076	< 0.0076	< 0.0076	< 0.0076	< 0.0076	0.0079	< 0.0076	< 0.0076	< 0.0076	< 0.0076	< 0.0076	< 0.0076	< 0.0076	< 0.0076	< 0.0057
B-3	Coatings	Farallon	B3-5.0	5.0	12/11/2019	< 0.0083	< 0.0083	< 0.0083	< 0.0249	< 0.0083	< 0.0083	< 0.0083	< 0.0083	< 0.0083	< 0.0083	< 0.0083	< 0.0083	< 0.0083	< 0.0083	< 0.0083	< 0.0083	< 0.0083	< 0.0083	< 0.0083	< 0.0063
B-4	Coatings	Farallon	B4-1.0	1.0	12/11/2019	0.011	0.0086	0.010	0.0296	0.031	< 0.0075	0.035	0.19	0.46	0.021	0.23	0.37	0.22	0.19	0.29	0.11	0.22	0.032	0.19	**0.303**
		Farallon	B4-5.0	5.0	12/11/2019	< 0.0088	< 0.0088	< 0.0088	< 0.0264	< 0.0088	< 0.0088	< 0.0088	< 0.0088	< 0.0088	< 0.0088	< 0.0088	< 0.0088	< 0.0088	< 0.0088	< 0.0088	< 0.0088	< 0.0088	< 0.0088	< 0.0088	< 0.0066
B-5	Coatings	Farallon	B5-5.0	5.0	12/11/2019	0.024	0.0077	0.012	0.0437	< 0.0074	< 0.0074	0.0084	< 0.037	0.028	< 0.0074	0.051	0.029	< 0.037	< 0.037	< 0.037	< 0.037	< 0.037	< 0.037	< 0.037	< 0.028
B-6	Coatings	Farallon	B6-5.0	5.0	12/12/2019	< 0.0079	< 0.0079	< 0.0079	< 0.0237	< 0.0079	< 0.0079	< 0.0079	< 0.0079	< 0.0079	< 0.0079	< 0.0079	< 0.0079	< 0.0079	< 0.0079	< 0.0079	< 0.0079	< 0.0079	< 0.0079	< 0.0079	< 0.0060
B-7	Coatings	Farallon	B7-5.0	5.0	12/12/2019	0.015	0.0096	0.015	0.0396	< 0.0081	< 0.0081	< 0.0081	< 0.0081	< 0.0081	< 0.0081	0.011	< 0.0081	< 0.0081	< 0.0081	< 0.0081	< 0.0081	< 0.0081	< 0.0081	< 0.0081	< 0.0061
B-9	Coatings	Farallon	B9-5.0	5.0	12/12/2019	< 0.0074	< 0.0074	< 0.0074	< 0.0222	< 0.0074	< 0.0074	< 0.0074	< 0.0074	< 0.0074	< 0.0074	< 0.0074	< 0.0074	< 0.0074	< 0.0074	< 0.0074	< 0.0074	< 0.0074	< 0.0074	< 0.0074	< 0.0056
B-10	Coatings	Farallon	B10-5.0	5.0	12/12/2019	< 0.0077	< 0.0077	< 0.0077	< 0.0231	< 0.0077	< 0.0077	< 0.0077	< 0.0077	< 0.0077	< 0.0077	< 0.0077	< 0.0077	< 0.0077	< 0.0077	< 0.0077	< 0.0077	< 0.0077	< 0.0077	< 0.0077	< 0.0058
B-11	Coatings	Farallon	B11-5.0	5.0	12/12/2019	< 0.0082	< 0.0082	< 0.0082	< 0.0246	< 0.0082	< 0.0082	< 0.0082	< 0.0082	< 0.0082	< 0.0082	< 0.0082	0.010	< 0.0082	< 0.0082	< 0.0082	< 0.0082	< 0.0082	< 0.0082	< 0.0082	< 0.0062
FMW-1	Coatings	Farallon	FMW1-5.0	5.0	12/9/2019	< 0.0096	< 0.0096	< 0.0096	< 0.0288	< 0.0096	< 0.0096	< 0.0096	< 0.0096	< 0.0096	< 0.0096	< 0.0096	< 0.0096	< 0.0096	< 0.0096	< 0.0096	< 0.0096	< 0.0096	< 0.0096	< 0.0096	< 0.0072
FMW-2	Coatings	Farallon	FMW2-5.0	5.0	12/9/2019	< 0.0095	< 0.0095	< 0.0095	< 0.0285	< 0.0095	< 0.0095	< 0.0095	< 0.0095	< 0.0095	< 0.0095	< 0.0095	< 0.0095	< 0.0095	< 0.0095	< 0.0095	< 0.0095	< 0.0095	< 0.0095	< 0.0095	< 0.0072
FMW-3	Coatings	Farallon	FMW3-5.0	5.0	12/10/2019	< 0.0080	< 0.0080	< 0.0080	< 0.024	< 0.0080	< 0.0080	< 0.0080	< 0.0080	< 0.0080	< 0.0080	0.017	< 0.0080	< 0.0080	< 0.0080	< 0.0080	< 0.0080	< 0.0080	< 0.0080	< 0.0080	< 0.0060
FMW-4	Coatings	Farallon	FMW4-5.0	5.0	12/10/2019	< 0.0095	< 0.0095	< 0.0095	< 0.0285	< 0.0095	< 0.0095	< 0.0095	< 0.0095	< 0.0095	< 0.0095	< 0.0095	< 0.0095	< 0.0095	< 0.0095	< 0.0095	< 0.0095	< 0.0095	< 0.0095	< 0.0095	< 0.0072
FMW-5	Coatings	Farallon	FMW5-5.0	5.0	12/10/2019	< 0.0071	< 0.0071	< 0.0071	< 0.0213	< 0.0071	< 0.0071	< 0.0071	< 0.0071	< 0.0071	< 0.0071	< 0.0071	< 0.0071	< 0.0071	< 0.0071	< 0.0071	< 0.0071	< 0.0071	< 0.0071	< 0.0071	< 0.0054
FMW-6	Coatings	Farallon	FMW6-5.0	5.0	12/10/2019	< 0.0093	< 0.0093	< 0.0093	< 0.0279	< 0.0093	< 0.0093	< 0.0093	< 0.0093	< 0.0093	< 0.0093	< 0.0093	< 0.0093	< 0.0093	< 0.0093	< 0.0093	< 0.0093	< 0.0093	< 0.0093	< 0.0093	< 0.0070
F-23	Coatings	Farallon	F-23-2.0	2.0	5/28/2020	<0.0072	<0.0072	<0.0072	<0.0216	<0.0072	<0.0072	<0.0072	0.012	0.011	<0.0072	<0.0072	0.014	0.012	0.0074	0.014	<0.0072	0.010	<0.0072	0.011	0.016
		Farallon	F-23-5.0	5.0	5/28/2020	<0.0081	<0.0081	<0.0081	<0.0243	<0.0081	<0.0081	<0.0081	<0.0081	<0.0081	<0.0081	<0.0081	<0.0081	<0.0081	<0.0081	<0.0081	<0.0081	<0.0081	<0.0081	<0.0081	<0.0061
F-24	Coatings	Farallon	F-24-2.0	2.0	5/28/2020	<0.0072	<0.0072	<0.0072	<0.0216	<0.0072	<0.0072	<0.0072	<0.0072	<0.0072	<0.0072	<0.0072	<0.0072	<0.0072	<0.0072	0.0075	<0.0072	<0.0072	<0.0072	<0.0072	0.0058
		Farallon	F-24-5.0	5.0	5/28/2020	<0.0097	<0.0097	<0.0097	<0.0291	<0.0097	<0.0097	<0.0097	0.014	0.012	<0.0097	<0.0097	0.013	0.012	<0.0097	0.021	<0.0097	0.013	<0.0097	0.015	0.017
MTCA Method A Cleanup Level for Soil[6]									**5**	**4,800[7]**	**NE**	**24,000[7]**	**NE**	**3,200[7]**	**3,200[7]**	**NE**	**2,400[7]**								**0.1**
MTCA Method B Levels for Soil Protective of Groundwater Vadose @ 13 Degrees Celsius[8]						**4.5**	**NE**	**NE**	**NE**	**98.0**	**NE**	**2,300**	**NE**	**630**	**100**	**NE**	**650**								
MTCA Method B Levels for Soil Protective of Groundwater Saturated[8]						**0.24**	**NE**	**NE**	**NE**	**5.0**	**NE**	**110**	**NE**	**32.0**	**5.1**	**NE**	**33.0**								

NOTES:

Results in **bold** and highlighted gold denote concentrations exceeding applicable cleanup levels.
< denotes analyte not detected at or exceeding the reporting limit listed.

[1]Depth in feet below ground surface.
[2]Analyzed by U.S. Environmental Protection Agency Method 8270E/SIM.
[3]Sum of naphthalene, 1-methylnaphthalene and 2-methylnaphthalene.
[4]Total carcinogenic polycyclic aromatic hydrocarbons derived using the total toxicity equivalency method in Section 708(8) of Chapter 173-340 of the Washington Administrative Code.
[5]For concentrations reported at less than the laboratory reporting limit, half the reporting limit was used to calculate the TEC.
[6]Washington State Model Toxics Control Act Cleanup Regulation (MTCA) Method A Soil Cleanup Levels for Unrestricted Land Uses, Table 740-1 of Section 900 of Chapter 173-340 of the Washington Administrative Code, as revised 2013, unless otherwise noted.
[7]Washington State Department of Ecology Cleanup Levels and Risk Calculations, under the Washington State Model Toxics Control Act Cleanup Regulation (MTCA) Standard Method B Formula Values for Soil (Unrestricted Land Use) - Direct Contact (Ingestion Only) and Leaching Pathway, https://ecology.wa.gov/Regulations-Permits/Guidance-technical-assistance/Contamination-clean-up-tools/CLARC
[8]Washington State Cleanup Levels and Risk Calculations under the Washington State MTCA, Standard Method B Formula Values for Soil from CLARC Master spreadsheet updated May 2019, https://ecology.wa.gov/Regulations-Permits/Guidance-technical-assistance/Contamination-clean-up-tools/CLARC

Coatings = Coatings Unlimited, Inc.
cPAHs = carcinogenic polycyclic aromatic hydrocarbons
Farallon = Farallon Consulting, L.L.C.
PAHs = polycyclic aromatic hydrocarbons
TEC = toxic equivalent concentration
NE = not established

Table 7
Groundwater Analytical Results for PAHs
18420 68th Avenue South
Kent, Washington
Farallon PN: 2032-012

Sample Location	Location Area	Sampled By	Sample Date	Sample Identification	Analytical Results (micrograms per liter)[1]																	
					Non-Carcinogenic PAHs											Carcinogenic PAHs							
					Naphthalene	1-Methylnaphthalene	2-Methylnaphthalene	Total Naphthalenes[2]	Acenaphthene	Acenaphthylene	Anthracene	Benzo(g,h,i)Perylene	Fluoranthene	Fluorene	Phenanthrene	Pyrene	Benzo(a)Pyrene	Benzo(a)Anthracene	Benzo(b)Fluoranthene	Benzo(j,k)Fluoranthene	Chrysene	Dibenzo(a,h)Anthracene	Indeno(1,2,3-cd)Pyrene	Total cPAHs TEC[3,4]
Reconnaissance Boring Groundwater Samples																						
B-1	Coatings	Farallon	12/11/2019	B1-121119-GW	< 0.10	< 0.10	< 0.10	< 0.30	< 0.10	< 0.10	< 0.10	< 0.010	< 0.10	< 0.10	< 0.10	< 0.10	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.008
B-2	Coatings	Farallon	12/11/2019	B2-121119-GW	< 0.10	< 0.10	< 0.10	< 0.30	< 0.10	< 0.10	< 0.10	< 0.010	< 0.10	< 0.10	< 0.10	< 0.10	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.008
B-3	Coatings	Farallon	12/11/2019	B3-121119-GW	< 0.10	< 0.10	< 0.10	< 0.30	< 0.10	< 0.10	< 0.10	< 0.010	< 0.10	< 0.10	< 0.10	< 0.10	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.008
B-4	Coatings	Farallon	12/11/2019	B4-121119-GW	< 0.10	< 0.10	< 0.10	< 0.30	< 0.10	< 0.10	< 0.10	< 0.010	< 0.10	< 0.10	< 0.10	< 0.10	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.008
B-5	Coatings	Farallon	12/11/2019	B5-121119-GW	< 0.099	< 0.099	< 0.099	< 0.297	< 0.099	< 0.099	< 0.099	< 0.0099	< 0.099	< 0.099	< 0.099	< 0.099	< 0.0099	< 0.0099	< 0.0099	< 0.0099	< 0.0099	< 0.0099	< 0.0099	< 0.0075
B-6	Coatings	Farallon	12/12/2019	B6-121219-GW	< 0.10	< 0.10	< 0.10	< 0.30	< 0.10	< 0.10	< 0.10	< 0.010	< 0.10	< 0.10	< 0.10	< 0.10	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.008
B-7	Coatings	Farallon	12/12/2019	B7-121219-GW	< 0.13	< 0.13	< 0.13	< 0.39	< 0.13	< 0.13	< 0.13	< 0.013	< 0.13	< 0.13	< 0.13	< 0.13	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013	< 0.01
B-9	Coatings	Farallon	12/12/2019	B9-121219-GW	< 0.10	< 0.10	< 0.10	< 0.30	< 0.10	< 0.10	< 0.10	< 0.010	< 0.10	< 0.10	< 0.10	< 0.10	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.008
B-10	Coatings	Farallon	12/12/2019	B10-121219-GW	< 0.099	< 0.099	< 0.099	< 0.297	< 0.099	< 0.099	< 0.099	< 0.0099	< 0.099	< 0.099	< 0.099	< 0.099	< 0.0099	< 0.0099	< 0.0099	< 0.0099	< 0.0099	< 0.0099	< 0.0099	< 0.0075
Monitoring Well Groundwater Samples																						
FMW-1	Coatings	Farallon	12/16/2019	FMW-1-121619	< 0.095	< 0.095	< 0.095	< 0.285	< 0.095	< 0.095	< 0.095	< 0.0095	< 0.095	< 0.095	< 0.095	< 0.095	< 0.0095	< 0.0095	< 0.0095	< 0.0095	< 0.0095	< 0.0095	< 0.0095	< 0.0072
FMW-2	Coatings	Farallon	12/16/2019	FMW-2-121619	< 0.095	< 0.095	< 0.095	< 0.285	< 0.095	< 0.095	< 0.095	< 0.0095	< 0.095	< 0.095	< 0.095	< 0.095	< 0.0095	< 0.0095	< 0.0095	< 0.0095	< 0.0095	< 0.0095	< 0.0095	< 0.0072
FMW-3	Coatings	Farallon	12/16/2019	FMW-3-121619	< 0.097	< 0.097	< 0.097	< 0.291	< 0.097	< 0.097	< 0.097	< 0.0097	< 0.097	< 0.097	< 0.097	< 0.097	< 0.0097	< 0.0097	< 0.0097	< 0.0097	< 0.0097	< 0.0097	< 0.0097	< 0.0073
FMW-4	Coatings	Farallon	12/16/2019	FMW-4-121619	< 0.10	< 0.10	< 0.10	< 0.30	< 0.10	< 0.10	< 0.10	< 0.010	< 0.10	< 0.10	< 0.10	< 0.10	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.008
FMW-5	Coatings	Farallon	12/16/2019	FMW-5-121619	< 0.097	< 0.097	< 0.097	< 0.291	< 0.097	< 0.097	< 0.097	< 0.0097	< 0.097	< 0.097	< 0.097	< 0.097	< 0.0097	< 0.0097	< 0.0097	< 0.0097	< 0.0097	< 0.0097	< 0.0097	< 0.0073
FMW-6	Coatings	Farallon	12/16/2019	FMW-6-121619	< 0.095	< 0.095	< 0.095	< 0.285	< 0.095	< 0.095	< 0.095	< 0.0095	< 0.095	< 0.095	< 0.095	< 0.095	< 0.0095	< 0.0095	< 0.0095	< 0.0095	< 0.0095	< 0.0095	< 0.0095	< 0.0072
MW-1	Coatings	Farallon	12/17/2019	MW-1-121719	< 0.097	< 0.097	< 0.097	< 0.291	< 0.097	< 0.097	< 0.097	< 0.0097	< 0.097	< 0.097	< 0.097	< 0.097	< 0.0097	< 0.0097	< 0.0097	< 0.0097	< 0.0097	< 0.0097	< 0.0097	< 0.0073
MW-2	Coatings	Farallon	12/17/2019	MW-2-121719	< 0.098	< 0.098	< 0.098	< 0.294	< 0.098	< 0.098	< 0.098	< 0.0098	< 0.098	< 0.098	< 0.098	< 0.098	< 0.0098	< 0.0098	< 0.0098	< 0.0098	< 0.0098	< 0.0098	< 0.0098	< 0.0074
MW-3	Coatings	Farallon	12/17/2019	MW-3-121719	< 0.10	< 0.10	< 0.10	< 0.30	< 0.10	< 0.10	< 0.10	< 0.010	< 0.10	< 0.10	< 0.10	< 0.10	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.008
MTCA Method A Cleanup Level for Groundwater[5]								**160**	**960[6]**	**NE**	**4,800[6]**	**NE**	**640[6]**	**640[6]**	**NE**	**480[6]**								**0.1**

NOTES:

< denotes analyte not detected at or exceeding the reporting limit listed.

[1]Analyzed by U.S. Environmental Protection Agency Method 8270E/SIM.

[2]Sum of naphthalene, 1-methylnaphthalene, and 2-methylnaphthalene.

[3]Total cPAHs derived using the total toxicity equivalency method in Section 708(8) of Chapter 173-340 of the Washington Administrative Code.

[4]For concentrations reported at less than the laboratory reporting limit, half the reporting limit was used to calculate the TEC.

[5]Washington State Model Toxics Control Act Cleanup Regulation Method A Cleanup Levels for Groundwater, Table 720-1 of Section 900 of Chapter 173-340 of the Washington Administrative Code, as revised 2013, unless otherwise noted.

[6]Washington State Model Toxics Control Act Cleanup Regulation Cleanup Levels and Risk Calculations, Standard Method B Values for Groundwater, updated August 2020, https://ecology.wa.gov/Regulations-Permits/Guidance-technical-assistance/Contamination-clean-up-tools/CLARC

Coatings = Coatings Unlimited, Inc.
cPAHs = carcinogenic polycyclic aromatic hydrocarbons
Farallon = Farallon Consulting, L.L.C.
PAHs = polycyclic aromatic hydrocarbons
TEC = toxic equivalent concentration
NE = not established

Table 8
Soil Analytical Results for Metals
18420 68th Avenue South
Kent, Washington
Farallon PN: 2032-012

Sample Location	Location Area	Sampled By	Sample Identification	Sample Depth (feet)[1]	Sample Date	Analytical Results (milligrams per kilogram)[2]				
						Arsenic	Cadmium	Chromium	Lead	Mercury
B-1	Coatings	Farallon	B1-5.0	5.0	12/10/2019	< 11	< 0.54	7.4	< 5.4	< 0.27
B-2	Coatings	Farallon	B2-5.0	5.0	12/11/2019	< 11	< 0.57	11	< 5.7	< 0.28
B-3	Coatings	Farallon	B3-5.0	5.0	12/11/2019	< 12	< 0.62	7.6	< 6.2	< 0.31
B-4	Coatings	Farallon	B4-1.0	1.0	12/11/2019	13	1.6	330	**460**	< 0.28
		Farallon	B4-5.0	5.0	12/11/2019	< 13	< 0.66	14	< 6.6	< 0.33
B-5	Coatings	Farallon	B5-5.0	5.0	12/11/2019	< 11	< 0.55	12	< 5.5	< 0.28
B-6	Coatings	Farallon	B6-5.0	5.0	12/12/2019	< 12	< 0.59	9.0	< 5.9	< 0.30
B-7	Coatings	Farallon	B7-5.0	5.0	12/12/2019	< 12	< 0.61	12	10	< 0.30
B-9	Coatings	Farallon	B9-5.0	5.0	12/12/2019	< 11	< 0.55	11	5.6	< 0.28
B-10	Coatings	Farallon	B10-5.0	5.0	12/12/2019	< 12	< 0.58	11	7.4	< 0.29
B-11	Coatings	Farallon	B11-5.0	5.0	12/12/2019	< 12	< 0.62	9.4	< 6.2	< 0.31
FMW-1	Coatings	Farallon	FMW1-5.0	5.0	12/9/2019	< 14	< 0.72	17	< 7.2	< 0.36
FMW-2	Coatings	Farallon	FMW2-5.0	5.0	12/9/2019	< 14	< 0.71	20	< 7.1	< 0.36
FMW-3	Coatings	Farallon	FMW3-5.0	5.0	12/10/2019	< 12	< 0.60	11	6.6	< 0.30
FMW-4	Coatings	Farallon	FMW4-5.0	5.0	12/10/2019	< 14	< 0.71	15	< 7.1	< 0.36
FMW-5	Coatings	Farallon	FMW5-5.0	5.0	12/10/2019	< 11	< 0.53	5.4	< 5.3	< 0.27
FMW-6	Coatings	Farallon	FMW6-5.0	5.0	12/10/2019	< 14	< 0.70	15	< 7.0	< 0.35
F-18	Coatings	Farallon	F-18-1.0	1.0	5/27/2020	<11	<0.55	24	11	<0.28
F-19	Coatings	Farallon	F-19-1.5	1.5	5/27/2020	16	<0.53	130	95	<0.27
F-20	Coatings	Farallon	F-20-1.5	1.5	5/27/2020	<11	<0.55	33	20	<0.27
F-21	Coatings	Farallon	F-21-1.5	1.5	5/27/2020	<11	0.78	170	24	<0.26
F-22	Coatings	Farallon	F-22-1.5	1.5	5/27/2020	17	<0.52	110	27	<0.26
F-23	Coatings	Farallon	F-23-2.0	2.0	5/28/2020	13	<0.54	88	26	<0.27
		Farallon	F-23-5.0	5.0	5/28/2020	<12	<0.61	8.3	<6.1	<0.30
F-24	Coatings	Farallon	F-24-2.0	2.0	5/28/2020	<11	<0.54	15	<5.4	<0.27
		Farallon	F-24-5.0	5.0	5/28/2020	<15	<0.73	19	<7.3	<0.36
MTCA Cleanup Levels for Soil[3]						**20**	**2**	**2,000**	**250**	**2**

NOTES:

Results in **bold** and highlighted gold denote concentrations exceeding applicable cleanup levels.

< denotes analyte not detected at or exceeding the laboratory reporting limit listed.

Coatings = Coatings Unlimited, Inc.

Farallon = Farallon Consulting, L.L.C.

[1]Depth in feet below ground surface.

[2]Analyzed by U.S. Environmental Protection Agency Methods 6020B/7471B.

[3]Washington State Model Toxics Control Act Cleanup Regulation (MTCA) Method A Soil Cleanup Levels for Unrestricted Land Uses, Table 740-1 of Section 900 of Chapter 173-340 of the Washington Administrative Code, as revised 2013.

Table 9
Groundwater Analytical Results for Metals
18420 68th Avenue South
Kent, Washington
Farallon PN: 2032-012

Sample Location	Location Area	Sampled By	Sample Date	Sample Identification	Analytical Results (micrograms per liter)[1]									
					Total Arsenic	Dissolved Arsenic	Total Cadmium	Dissolved Cadmium	Total Chromium	Dissolved Chromium	Total Lead	Dissolved Lead	Total Mercury	Dissolved Mercury
Reconnaissance Boring Groundwater Samples														
B-1	Coatings	Farallon	12/11/2019	B1-121119-GW	**9.8**	---	< 4.4	---	16	---	2.9	---	< 0.50	---
B-2	Coatings	Farallon	12/11/2019	B2-121119-GW	3.4	---	< 4.4	---	< 11	---	1.9	---	< 0.50	---
B-3	Coatings	Farallon	12/11/2019	B3-121119-GW	**25**	---	< 4.4	---	29	---	7.4	---	< 0.50	---
B-4	Coatings	Farallon	12/11/2019	B4-121119-GW	**16**	---	< 4.4	---	14	---	3.9	---	< 0.50	---
B-5	Coatings	Farallon	12/11/2019	B5-121119-GW	**8.9**	---	< 4.4	---	< 11	---	< 1.1	---	< 0.50	---
B-6	Coatings	Farallon	12/12/2019	B6-121219-GW	**8.3**	---	< 4.4	---	24	---	5.5	---	< 0.50	---
B-7	Coatings	Farallon	12/12/2019	B7-121219-GW	**64**	---	< 4.4	---	**170**	---	**37**	---	< 0.50	---
B-9	Coatings	Farallon	12/12/2019	B9-121219-GW	**17**	---	< 4.4	---	**54**	---	13	---	< 0.50	---
B-10	Coatings	Farallon	12/12/2019	B10-121219-GW	**13**	---	< 4.4	---	< 11	---	1.3	---	< 0.50	---
B-11	Coatings	Farallon	12/12/2019	B11-121219-GW	**710**	---	< 4.4	---	**930**	---	**190**	---	1.5	---
Monitoring Well Groundwater Samples														
FMW-1	Coatings	Farallon	12/16/2019	FMW-1-121619	< 3.3	< 3.0	< 4.4	< 4.0	< 11	< 10	< 1.1	< 1.0	< 0.50	< 0.50
		Farallon	6/3/2020	FMW-1-06032020	< 3.3	< 3.0	< 4.4	< 4.0	< 11	< 10	< 1.1	< 1.0	< 0.50	< 0.50
		Farallon	3/10/2021	FMW-1-20210310	< 3.3	< 3.0	< 4.4	< 4.0	< 11	< 10	< 1.1	< 1.0	< 0.50	< 0.50
FMW-2	Coatings	Farallon	12/16/2019	FMW-2-121619	< 3.3	< 3.0	< 4.4	< 4.0	< 11	< 10	< 1.1	< 1.0	< 0.50	< 0.50
		Farallon	6/3/2020	FMW-2-06032020	< 3.3	< 3.0	< 4.4	< 4.0	< 11	< 10	< 1.1	< 1.0	< 0.50	< 0.50
		Farallon	9/29/2020	FMW-2-092920	< 3.3	< 3.0	< 4.4	< 4.0	< 11	< 10	< 1.1	< 1.0	< 0.50	< 0.50
		Farallon	3/10/2021	FMW-2-20210310	< 3.3	< 3.0	< 4.4	< 4.0	< 11	< 10	< 1.1	< 1.0	< 0.50	< 0.50
FMW-3	Coatings	Farallon	12/16/2019	FMW-3-121619	**26**	**22**	< 4.4	< 4.0	< 11	< 10	1.3	< 1.0	< 0.50	< 0.50
		Farallon	6/3/2020	FMW-3-06032020	**45**	**45**	< 4.4	< 4.0	< 11	< 10	< 1.1	< 1.0	< 0.50	< 0.50
		Farallon	9/29/2020	FMW-3-092920	**31**	**32**	< 4.4	< 4.0	< 11	< 10	< 1.1	< 1.0	< 0.50	< 0.50
		Farallon	3/10/2021	FMW-3-20210310	**51**	**49**	< 4.4	< 4.0	< 11	< 10	< 1.1	< 1.0	< 0.50	< 0.50
FMW-4	Coatings	Farallon	12/16/2019	FMW-4-121619	**49**	**9.1**	< 4.4	< 4.0	**96**	< 10	**31**	< 1.0	0.68	< 0.50
		Farallon	6/3/2020	FMW-4-060320	**18**	**13**	< 4.4	< 4.0	< 11	< 10	3.1	< 1.0	< 0.50	< 0.50
		Farallon	3/10/2021	FMW-4-20210310	**17**	**15**	< 4.4	< 4.0	< 11	< 10	< 1.1	< 1.0	< 0.50	< 0.50
FMW-5	Coatings	Farallon	12/16/2019	FMW-5-121619	5.0	**5.3**	< 4.4	< 4.0	< 11	< 10	< 1.1	< 1.0	< 0.50	< 0.50
		Farallon	6/3/2020	FMW-5-060320	< 3.3	< 3.0	< 4.4	< 4.0	< 11	< 10	< 1.1	< 1.0	< 0.50	< 0.50
		Farallon	9/29/2020	FMW-5-092920	**8.8**	**7.6**	< 4.4	< 4.0	< 11	< 10	1.4	< 1.0	< 0.50	< 0.50
		Farallon	3/10/2021	FMW-5-20210310	**6.4**	**5.8**	< 4.4	< 4.0	< 11	< 10	< 1.1	< 1.0	< 0.50	< 0.50
FMW-6	Coatings	Farallon	12/16/2019	FMW-6-121619	4.0	3.8	< 4.4	< 4.0	< 11	< 10	< 1.1	< 1.0	< 0.50	< 0.50
		Farallon	6/3/2020	FMW-6-06032020	< 3.3	< 3.0	< 4.4	< 4.0	< 11	< 10	< 1.1	< 1.0	< 0.50	< 0.50
		Farallon	9/29/2020	FMW-6-092920	4.2	4.3	< 4.4	< 4.0	< 11	< 10	< 1.1	< 1.0	< 0.50	< 0.50
		Farallon	3/10/2021	FMW-6-20210310	< 3.3	< 3.0	< 4.4	< 4.0	< 11	< 10	< 1.1	< 1.0	< 0.50	< 0.50
FMW-7	Coatings	Farallon	6/3/2020	FMW-7-060320	**8.4**	4.7	< 4.4	< 4.0	< 11	< 10	2.4	< 1.0	< 0.50	< 0.50
		Farallon	9/29/2020	FMW-7-092920	**6.4**	**6.5**	< 4.4	< 4.0	< 11	< 10	< 1.1	< 1.0	< 0.50	< 0.50
		Farallon	3/10/2021	FMW-7-20210310	< 3.3	< 3.0	< 4.4	< 4.0	< 11	< 10	< 1.1	< 1.0	< 0.50	< 0.50
FMW-8	Coatings	Farallon	6/3/2020	FMW-8-06032020	**5.2**	3.7	< 4.4	< 4.0	< 11	< 10	< 1.1	< 1.0	< 0.50	< 0.50
		Farallon	9/29/2020	FMW-8-092920	5.0	**5.6**	< 4.4	< 4.0	< 11	< 10	< 1.1	< 1.0	< 0.50	< 0.50
		Farallon	3/10/2021	FMW-8-20210310	4.7	4.5	< 4.4	< 4.0	< 11	< 10	< 1.1	< 1.0	< 0.50	< 0.50
FMW-9	Coatings	Farallon	6/3/2020	FMW-9-06032020	< 3.3	< 3.0	< 4.4	< 4.0	< 11	< 10	< 1.1	< 1.0	< 0.50	< 0.50
		Farallon	9/30/2020	FMW-9-093020	4.0	3.5	< 4.4	< 4.0	< 11	< 10	< 1.1	< 1.0	< 0.50	< 0.50
		Farallon	3/10/2021	FMW-9-20210310	< 3.3	< 3.0	< 4.4	< 4.0	< 11	< 10	< 1.1	< 1.0	< 0.50	< 0.50
FMW-12	Coatings	Farallon	3/10/2021	FMW-12-20210310	< 3.3	< 3.0	< 4.4	< 4.0	< 11	< 10	< 1.1	< 1.0	< 0.50	< 0.50
FMW-13	Coatings	Farallon	3/10/2021	FMW-13-20210310	3.5	< 3.0	< 4.4	< 4.0	< 11	< 10	< 1.1	< 1.0	< 0.50	< 0.50
MTCA Cleanup Levels for Groundwater[2]					**5**		**5**		**50**		**15**		**2**	

Table 9
Groundwater Analytical Results for Metals
18420 68th Avenue South
Kent, Washington
Farallon PN: 2032-012

Sample Location	Location Area	Sampled By	Sample Date	Sample Identification	Analytical Results (micrograms per liter)[1]									
					Total Arsenic	Dissolved Arsenic	Total Cadmium	Dissolved Cadmium	Total Chromium	Dissolved Chromium	Total Lead	Dissolved Lead	Total Mercury	Dissolved Mercury
MW-1	Coatings	Farallon	12/17/2019	MW-1-121719	< 3.3	< 3.0	< 4.4	< 4.0	< 11	< 10	< 1.1	< 1.0	< 0.50	< 0.50
		Farallon	6/3/2020	MW-1-060320	< 3.3	< 3.0	< 4.4	< 4.0	< 11	< 10	< 1.1	< 1.0	< 0.50	< 0.50
		Farallon	3/10/2021	MW-1-20210310	< 3.3	< 3.0	< 4.4	< 4.0	< 11	< 10	1.8	< 1.0	< 0.50	< 0.50
MW-2	Coatings	Farallon	12/17/2019	MW-2-121719	< 3.3	< 3.0	< 4.4	< 4.0	< 11	< 10	< 1.1	< 1.0	< 0.50	< 0.50
		Farallon	6/3/2020	MW-2-060320	< 3.3	< 3.0	< 4.4	< 4.0	< 11	< 10	< 1.1	< 1.0	< 0.50	< 0.50
		Farallon	3/10/2021	MW-2-20210310	< 3.3	< 3.0	< 4.4	< 4.0	< 11	< 10	< 1.1	< 1.0	< 0.50	< 0.50
MW-3	Coatings	Farallon	12/17/2019	MW-3-121719	**13**	**13**	< 4.4	< 4.0	< 11	< 10	< 1.1	< 1.0	< 0.50	< 0.50
		Farallon	6/3/2020	MW-3-060320	**14**	**12**	< 4.4	< 4.0	< 11	< 10	< 1.1	< 1.0	< 0.50	< 0.50
SVE-1	Coatings	Farallon	3/10/2021	SVE-1-20210310	3.7	< 3.0	< 4.4	< 4.0	< 11	< 10	< 1.1	< 1.0	< 0.50	< 0.50
MTCA Cleanup Levels for Groundwater[2]					**5**		**5**		**50**		**15**		**2**	

NOTES:

Results in **bold** and highlighted yellow denote concentrations exceeding applicable cleanup levels.

< denotes analyte not detected at or exceeding the reporting limit listed.

— denotes sample not analyzed.

Coatings = Coatings Unlimited, Inc.
Farallon = Farallon Consulting, L.L.C.

[1]Analyzed by U.S. Environmental Protection Agency Method 200.8/7470A.

[2]Washington State Model Toxics Control Act Cleanup Regulation (MTCA) Method A Cleanup Levels for Groundwater, Table 720-1 of Section 900 of Chapter 173-340 of the Washington Administrative Code, as revised 2013, unless otherwise noted.

Table 10
Water Quality Parameters
18420 68th Avenue South
Kent, Washington
Farallon PN: 2032-012

Monitoring Well	Date	Sample Identification	pH (Standard Units)	Temperature (degrees Celsius)	Dissolved Oxygen (milligrams per liter)	Specific Conductivity (mS/cm)	Oxidation-Reduction Potential (millivolts)
MW-1	9/30/2020	MW-1-093020	Well went dry during purging; sampled after recharge.				
	3/10/2021	MW-1-20210310	5.86	13.0	2.01	0.239	313.2
MW-2	9/30/2020	MW-2-093020	Well went dry during purging; sampled after recharge.				
	3/10/2021	MW-2-20210310	5.81	10.1	3.68	0.158	264.3
MW-3	9/30/2020	MW-3-093020	Well went dry during purging; sampled after recharge.				
	3/10/2021	MW-3-20210310	6.05	10.7	0.29	0.156	63.4
FMW-1	3/10/2021	FMW-1-031021	6.35	15.3	0.90	0.807	196.4
FMW-2	9/29/2020	FMW-2-092920	6.26	15.9	0.21	0.809	-27.3
	3/10/2021	FMW-2-031021	6.40	13.5	0.57	1.056	132.4
FMW-3	9/29/2020	FMW-3-092920	6.67	15.8	0.17	0.640	-134.4
	3/10/2021	FMW-3-20210310	6.88	12.1	0.27	1.14	-147.4
FMW-4	9/30/2020	FMW-4-093020	6.39	16.6	2.21	0.245	-44.1
	3/10/2021	FMW-4-20210310	6.53	14.9	0.38	0.571	-68.6
FMW-5	9/29/2020	FMW-5-092920	6.35	15.3	0.15	0.866	-114.0
	3/10/2021	FMW-5-031021	6.44	13.8	0.66	1.049	-67.7
FMW-6	9/29/2020	FMW-6-092920	6.22	17.1	0.19	0.350	-40.8
	3/10/2021	FMW-6-031021	5.83	15.1	0.67	0.372	201.5
FMW-7	9/29/2020	FMW-7-092920	6.05	15.3	0.25	0.517	26.9
	3/10/2021	FMW-7-031021	6.21	13.5	0.92	0.529	132.5
FMW-8	9/29/2020	FMW-8-092920	6.24	15.2	0.17	0.761	-103.8
	3/10/2021	FMW-8-031021	6.21	13.9	0.72	0.792	-11.2
FMW-9	9/30/2020	FMW-9-093020	6.54	15.3	0.17	0.416	13.4
	3/10/2021	FMW-9-031021	6.11	13.8	0.88	0.498	156.3
	5/24/2021	FMW-9-20210524	6.19	14.7	0.66	0.346	152.9
FMW-12	3/10/2021	FMW-12-031021	6.08	14.4	2.25	0.981	187.6
FMW-13	3/10/2021	FMW-13-20210310	6.46	10.5	1.04	0.405	-96.8
FMW-14	5/24/2021	FMW-14-20210524	7.01	14.6	0.83	0.325	-93.1
FMW-15	5/24/2021	FMW-15-20210524	6.27	14.0	1.29	1.340	-119.8
SVE-1	3/10/2021	SVE-1-20210310	6.32	14.3	2.89	0.341	240.2

NOTE:
mS/cm = milliSiemens per centimeter

Table 11
Soil Gas Analytical Results for Halogenated Volatile Organic Compounds
18420 68th Avenue South
Kent, Washington
Farallon PN: 2032-012

Sample Location	Location Area	Sampled By	Sample Date	Sample Identification	Sample Depth (feet)[1]	Analytical Results (micrograms per cubic meter)[2]				
						PCE	TCE	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Vinyl Chloride
SG-1	Coatings	Farallon	12/13/2019	SG1-2303-121319	1.5	< 53	5.4	< 3.1	< 3.1	< 2
SG-2	Coatings	Farallon	12/13/2019	SG2-4175-121319	1.5	< 53	7.5	< 3.1	< 3.1	< 2
SG-3	Coatings	Farallon	12/13/2019	SG3-2298-121319	0.5	< 54	2.2	< 3.1	< 3.1	< 2
SG-4	Coatings	Farallon	12/13/2019	SG4-2432-121319	0.5	< 54	< 2.1	< 3.2	< 3.2	< 2
F-1	Coatings	Farallon	5/27/2020	F-1-Soil Gas	5.0	< 750[3]	**5,400[3]**	670[3]	61[3]	< 28[3]
F-2	Coatings	Farallon	5/27/2020	F-2-Soil Gas	5.0	84	**81**	9.8	5.2	< 0.89
F-3	Coatings	Farallon	5/27/2020	F-3-Soil Gas	5.0	160	16	< 1.4	< 1.4	< 0.89
F-4	Coatings	Farallon	5/27/2020	F-4-Soil Gas	5.0	85	**42**	< 1.3	< 1.3	< 0.82
F-5	Coatings	Farallon	5/27/2020	F-5-Soil Gas	5.0	< 22	3.8	< 1.3	< 1.3	< 0.84
F-6	Coatings	Farallon	5/28/2020	F-6-Soil Gas	5.0	< 22	< 0.89	< 1.3	< 1.3	< 0.84
F-7	Coatings	Farallon	5/28/2020	F-7-Soil Gas	5.0	< 23	< 0.91	< 1.3	< 1.3	< 0.87
F-8	Coatings	Farallon	5/28/2020	F-8-Soil Gas	5.0	55	28	< 1.3	< 1.3	< 0.87
F-9	Coatings	Farallon	5/28/2020	F-9-Soil Gas	5.0	46	**92**	< 1.5	< 1.5	< 0.95
F-10	Coatings	Farallon	5/27/2020	F-10-Soil Gas	5.0	< 23	2.4	< 1.3	< 1.3	< 0.87
F-11	Coatings	Farallon	5/28/2020	F-11-Soil Gas	5.0	**79,000[3]**	**4,500[3]**	< 44[3]	150[3]	< 28[3]
F-12	Coatings	Farallon	5/29/2020	F-12-Soil Gas	5.0	130	**120**	< 6.7	< 6.7	< 4.3
F-13	Coatings	Farallon	5/29/2020	F-13-Soil Gas	5.0	27	**72**	< 1.3	< 1.3	< 0.82
F-14	Coatings	Farallon	5/29/2020	F-14-Soil Gas	5.0	< 120	**72**	170	11	12
MTCA Method B Soil Gas Screening Level - Residential Exposure Scenario[4]						**320**	**11**	**NE**	**NE**	**9.5**
MTCA Method B Soil Gas Screening Level - Commercial Exposure Scenario[5]						**1,068**	**37**	**NE**	**NE**	**31**

NOTES:
Results in **bold** and highlighted yellow denote concentrations exceeding commercial screening levels.

< denotes analyte not detected at or exceeding the reporting limit listed.

[1]Depth in feet below surface.

[2]Analyzed by U.S. Environmental Protection Agency Method TO-15.

[3]Laboratory dilution was necessary and is impacting the result.

[4]Washington State Model Toxics Control Act Cleanup Regulation (MTCA) Cleanup Levels and Risk Calculations, Standard Method B Values for Sub-Slab Soil Gas Screening Level, https://ecology.wa.gov/Regulations-Permits/Guidance-technical-assistance/Contamination-clean-up-tools/CLARC

[5]Washington State MTCA Method B cleanup level calculation with modified exposure parameters adjusted for commercial exposure per Section 750 of MTCA.

Coatings = Coatings Unlimited, Inc.
Farallon = Farallon Consulting, L.L.C.
NE = not established
PCE = tetrachloroethene
TCE = trichloroethene
VOC = volatile organic compound

Table 12
MTCA Standard and Modified Method B Air Cleanup Level and Soil Gas Screening Level Calculations for PCE and Vinyl Chloride
18420 68th Avenue South
Kent, Washington
Farallon PN: 2032-012

Equation 750-2 for Carcinogenic Compounds[1]			PCE		Vinyl Chloride	
Parameters		**Units**	**Residential[2]**	**Commercial[3]**	**Residential[2]**	**Commercial[3]**
Carcinogenic Risk	RISK	unitless	1.00E-06	1.00E-06	1.00E-06	1.00E-06
Inhalation Cancer Potency Factor	CPF1	kg-day/mg	0.00091 [2]	0.00091 [2]	0.031	0.031
Average Body Weight	ABW	kg	70	70	70	70
Averaging Time	AT	years	75	75	75	75
Exposure Duration	ED	years	30	30	30	30
Exposure Frequency	EF	unitless	1	0.30	1	0.30
Air Breathing Rate	BR	m^3/day	20	20	20	20
Inhalation Absorption Fraction	ABS1	unitless	1	1	1	1
Unit Conversion Factor	UCF	µg/mg	1,000	1,000	1,000	1,000
MTCA Method B Air Cleanup Level[1]	CUL	µg/m3	**9.6**	**32**	**0.28**	**0.9**
MTCA Method B Soil Gas Screening Level[4]	SL	µg/m3	**321**	**1,068**	**9.4**	**31**
MTCA Method B Soil Gas Screening Level[5]	SL	µg/m3	**962**	**3,205**	**28**	**94**

Exposure Frequency
Default: 1 = 365 days assumed occupancy at 24 hours per day = 8,760 hours/year
Modified: 50 weeks per year at 50 hours per week = 2,500 hours/year
Modified Exposure Frequency = 2,500/8,760 = **0.30**

NOTES:

[1] Equation 750-2 of Section 750 of Chapter 173-340 of the Washington Administrative Code, Model Toxics Control Act Cleanup Regulation (MTCA):
CUL = (RISK*ABW*AT*UCF)/(CPF*BR*ABS*ED*EF).

[2] MTCA Method B cleanup level calculation default parameters for Standard Method B calculation protective of residential use.

[3] MTCA Method B cleanup level calculation with modified exposure parameters adjusted for commercial exposure per Section 750 of MTCA.

[4] Soil gas screening level for soil gas present beneath a building slab and to depths up to 15 feet below the ground surface that are not expected to result in exceedance of the air cleanup level in an overlying structure under most circumstances.
Soil Gas Screening Level = Air Cleanup Level/attenuation factor of 0.03 per revised Guidance for Evaluating Soil Vapor Intrusion in Washington State: Investigation and Remedial Action, Review Draft, October 2009 and website link provided in Appendix B: Indoor Air Cleanup Levels, Groundwater Screening Levels, and Soil Gas Screening Levels, Revised February 2016 and April 2018.

[5] Soil gas screening level for soil gas present below 15 feet below the ground surface that are not expected to result in exceedance of the air cleanup level in an overlying structure under most circumstances.
Soil Gas Screening Level = Air Cleanup Level/attenuation factor of 0.01 per Guidance for Evaluating Soil Vapor Intrusion in Washington State: Investigation and Remedial Action, Review Draft, October 2009 and website link provided in Appendix B: Indoor Air Cleanup Levels, Groundwater Screening Levels, and Soil Gas Screening Levels, Revised February 2016 and April 2018.

kg = kilograms
m^3/day = cubic meters per day
mg/kg-day = milligrams per kilogram per day
µg/mg = micrograms per milligram
µg/m^3 = micrograms per cubic meter
PCE = tetrachloroethene
VOC = volatile organic compound

Table 13
MTCA Standard and Modified Method B Air Cleanup Level and Soil Gas Screening Level Calculations for TCE
18420 68th Avenue South
Kent, Washington
Farallon PN: 2032-012

Equation 750-2 for Carcinogenic Compounds Modifed for Early Life Exposure[1]			TCE	
Parameters		**Units**	**Residential[2]**	**Commercial[3]**
Total Early-Life Exposure Adjustment Factor Parameters				
Kidney Cancer				
Constant Parameters				
Toxicity Adjustment Factor for Mutagens - Kidney Cancer (CPFi Kidney / Total CPFi)	MAF	kg-day/mg	0.243	0.243
Age Dependent Parameters				
Age-Dependent Adjustment Factor (0-2 years)	$ADAF_{0-2}$	unitless	10	10
Exposure Duration (0-2 years)	ED_{0-2}	years	2	2
Breathing Rate (0-2 years)	BR_{0-2}	m^3/day	10	10
Body Weight (0-2 years)	BW_{0-2}	kg	16	16
Age-Dependent Adjustment Factor (2-6 years)	$ADAF_{2-6}$	unitless	3	3
Exposure Duration (2-6 years)	ED_{2-6}	years	4	4
Breathing Rate (2-6 years)	BR_{2-6}	m^3/day	10	10
Body Weight (2-6 years)	BW_{2-6}	kg	16	16
Age-Dependent Adjustment Factor (6-16 years)	$ADAF_{6-16}$	unitless	3	3
Exposure Duration (6-16 years)	ED_{6-16}	years	10	10
Breathing Rate (6-16 years)	BR_{6-16}	m^3/day	20	20
Body Weight (6-16 years)	BW_{6-16}	kg	70	70
Age-Dependent Adjustment Factor (16-30 years)	$ADAF_{16-30}$	unitless	1	1
Exposure Duration (16-30 years)	ED_{16-30}	years	14	14
Breathing Rate (16-30 years)	BR_{16-30}	m^3/day	20	20
Body Weight (16-30 years)	BW_{16-30}	kg	70	70
Non-Hodgkin Lymphoma (NHL) + Liver Cancer				
Constant Parameters				
Toxicity Adjustment Factor for Carcinogens - NHL & Liver ((CPFi NHL + CPHL Liver) / Total CPFi)	CAF	kg-day/mg	0.729	0.729
Age Dependent Parameters				
Exposure Duration (0-2 years)	ED_{0-2}	years	2	2
Breathing Rate (0-2 years)	BR_{0-2}	m^3/day	10	10
Body Weight (0-2 years)	BW_{0-2}	kg	16	16
Exposure Duration (2-6 years)	ED_{2-6}	years	4	4
Breathing Rate (2-6 years)	BR_{2-6}	m^3/day	10	10
Body Weight (2-6 years)	BW_{2-6}	kg	16	16
Exposure Duration (6-16 years)	ED_{6-16}	years	10	10
Breathing Rate (6-16 years)	BR_{6-16}	m^3/day	20	20
Body Weight (6-16 years)	BW_{6-16}	kg	70	70
Exposure Duration (16-30 years)	ED_{16-30}	years	14	14
Breathing Rate (16-30 years)	BR_{16-30}	m^3/day	20	20
Body Weight (16-30 years)	BW_{16-30}	kg	70	70
Total Early-Life Exposure Adjustment Factor	ELE	m^3-year/kg-day	15.651	15.651
Modified MTCA Equation 750-2 Parameters				
Exposure Frequency	EF	unitless	1	0.30
Carcinogenic Risk	RISK	unitless	1.00E-06	1.00E-06
Inhalation Cancer Potency Factor[2]	CPFi	kg-day/mg	0.0144	0.0144
Averaging Time	AT	years	75	75
Inhalation Absorption Fraction	ABS1	unitless	1	1
Unit Conversion Factor	UCF	µg/mg	1,000	1,000
MTCA Method B Air Cleanup Level[1]	CUL	µg/m3	**0.33**	**1.1**
MTCA Method B Soil Gas Screening Level[4]	SL	µg/m3	**11**	**37**
MTCA Method B Soil Gas Screening Level[5]	SL	µg/m3	**33**	**111**

NOTES:

[1] Modified equation 750-2 of Section 750 of Chapter 173-340 of the Washington Administrative Code, Model Toxics Control Act Cleanup Regulation (MTCA):
CUL = (RISK*AT*UCF)/(CPF*ELE*ABS*EF).

[2] MTCA Method B cleanup level calculation default parameters for Standard Method B calculation protective of residential use.

[3] MTCA Method B cleanup level calculation with modified exposure parameters adjusted for commercial exposure per Section 750 of MTCA.

[4] Soil gas screening level for soil gas present beneath a building slab and to depths up to 15 feet below the ground surface that are not expected to result in exceedance of the air cleanup level in an overlying structure under most circumstances.
Soil Gas Screening Level = Air Cleanup Level/attenuation factor of 0.03 per revised Guidance for Evaluating Soil Vapor Intrusion in Washington State: Investigation and Remedial Action, Review Draft, October 2009 and website link provided in Appendix B: Indoor Air Cleanup Levels, Groundwater Screening Levels, and Soil Gas Screening Levels, Revised February 2016 and April 2018.

[5] Soil gas screening level for soil gas present below 15 feet below the ground surface that are not expected to result in exceedance of the air cleanup level in an overlying structure under most circumstances.
Soil Gas Screening Level = Air Cleanup Level/attenuation factor of 0.01 per Guidance for Evaluating Soil Vapor Intrusion in Washington State: Investigation and Remedial Action, Review Draft, October 2009 and website link provided in Appendix B: Indoor Air Cleanup Levels, Groundwater Screening Levels, and Soil Gas Screening Levels, Revised February 2016 and April 2018.

kg = kilograms
kg-day/mg = kilograms a day per milligram
m^3/day = cubic meters per day
mg/kg-day = milligrams per kilogram per day
µg/mg = micrograms per milligram
µg/m^3 = micrograms per cubic meter
TCE = trichloroethene
VOC = volatile organic compound

Exposure Frequency

Default: 1 = 365 days assumed occupancy at 24 hours per day = 8,760 hours/year
Modified: 50 weeks per year at 50 hours per week = 2,500 hours/year
Modified Exposure Frequency = 2,500/8,760 = **0.3**

Table 14
Cleanup Action Alternative Technology Screening
18420 68th Avenue South
Kent, Washington
Farallon PN: 2032-012

General Response Action	Technology	Medium	Component Option	Retained for Inclusion in Cleanup Action Alternatives?	Rationale for Retaining or Eliminating
No Action	None	Soil; Groundwater	None	No	Not retained because source areas and residual contaminants are left untreated.
Institutional Controls	Legal	Soil; Groundwater	Deed Restrictions (Environmental Covenant); Property Use Restrictions; Health Advisories	Yes	Retained to restrict future land use.
Monitored Natural Attenuation	Natural Degradation Processes; Monitoring	Groundwater	Sample Collection and Analysis	Yes	Retained to naturally attenuate halogenated volatile organic compounds (HVOCs) in groundwater.
Containment	Engineered Controls/ Engineered Barriers	Soil; Groundwater	Physical Barriers and Constructed Cover	Yes	Retained to limit potential leaching to groundwater.
In-Situ Treatment	Biological	Soil	Bioventing	No	Not retained because implementation of these technologies is not compatible with future land use at the site, and these components do not result in a reasonable restoration time frame.
		Soil; Groundwater	Enhanced Bioremediation	No	
		Soil; Groundwater	Phytoremediation	No	
	Chemical	Soil; Groundwater	Chemical Reduction	No	Not retained because in-situ chemical reduction is not as effective in treating HVOCs as in-situ chemical oxidation.
		Soil; Groundwater	Chemical Oxidation	Yes	Retained to treat HVOCs in groundwater.
	Physical	Soil	Solidification/Stabilization	No	Not retained because HVOCs are not readily treated using this technology.
		Soil	Soil Flushing	No	Not retained because it is not cost-competitive with other technologies in this group, and is difficult to implement.
		Soil	Electrokinetic Separation	No	Not retained because it is not cost-competitive with other technologies in this group, and is difficult to implement.
		Groundwater	Air Sparging	Yes	Retained to treat HVOCs in groundwater.
		Soil; Groundwater	Soil Vapor Extraction	Yes	Retained to treat HVOCs in groundwater.
		Groundwater	Dual-Phase Extraction	No	Not retained due to site conditions.
		Groundwater	Passive/Reactive Treatment Walls	No	Not retained due to site conditions.
		Soil	Thermal Treatment	No	Not retained because it is not cost-competitive with other technologies in this group, and is difficult to implement.
Excavation and Treatment or Containment on or off the Site	Biological	Soil	Biopile	No	Not retained because these technologies are not cost-competitive, are difficult to implement, and do not readily treat groundwater.
		Soil	Slurry-Phase Biological Remediation	No	
		Groundwater	Constructed Wetlands	No	Not retained due to site conditions.
	Chemical	Soil	Chemical Reduction/Oxidation	No	Not retained because these technologies are not cost-competitive, are difficult to implement, and do not readily treat groundwater.
		Soil	Chemical Extraction	No	
		Groundwater	Granulated Activated Carbon/ Liquid-Phase Carbon Adsorption	No	Not retained because this technology is not cost-competitive, and is difficult to implement.
	Physical	Soil	Landfill Disposal	Yes	Retained to remove contaminated soil from select areas.
		Soil; Groundwater	Separation	No	Not retained because these technologies are not cost-competitive, are difficult to implement, and do not readily treat groundwater.
		Soil	Soil Washing	No	
		Soil	Thermal Desorption	No	

Table 15
Summary of Remedial Alternatives
18420 68th Avenue South
Kent, Washington
Farallon PN: 2032-012

Target Medium	Area Description	COC	Alternative 1 Institutional and Engineered Controls, Monitored Natural Attenuation	Alternative 2 In-Situ Chemical Oxidation, Limited Soil Excavation, Engineered Controls	Alternative 3 Air Sparging and Soil Vapor Extraction, Limited Soil Excavation, Engineered Controls
Soil	Eastern area by sandblast booth with soil exceeding CULs for lead and cPAHs.	Lead; cPAHs	Engineered controls consist of capping the Property with a building foundation and an asphalt-paved parking lot for areas with COCs exceeding CULs, to prevent potential future exposure.	Excavation, removal, and disposal of soil with concentrations of lead and cPAHs exceeding CULs.	
	Southern area with soil exceeding CULs for ORO.	ORO		Excavate, remove and dispose of soil with concentrations of ORO exceeding cleanup levels.	
Groundwater	Areas with groundwater exceeding CULs for cis-1,2-dichloroethene and vinyl chloride	cis-1,2-dichloroethene and vinyl chloride	Engineered controls consist of capping the Property with a building foundation and an asphalt-paved parking lot for areas with COCs exceeding CULs, to prevent potential future exposure. Annual foundation asphalt cap inspections and groundwater monitoring to be conducted over a 10-year period.	Injection of a permanganate solution in the four treatment areas where HVOCs have been detected at concentrations exceeding CULs. Groundwater monitoring over a 5-year period.	Installation of an air sparge/soil vapor extraction system in the four treatment areas where HVOCs have been detected at concentrations exceeding CULs. Groundwater monitoring over a 6-year period.
Soil Vapor	Areas with soil gas exceeding CULs for PCE, TCE, and vinyl chloride	HVOCs	A vapor barrier will be installed under the building foundation as part of redevelopment. An environmental covenant will be recorded on the Property.	Installation of a vapor barrier under the building foundation as part of redevelopment, to eliminate the potential soil gas to indoor air exposure pathway.	

NOTES:

COCs = constituents of concern
cPAHs = carcinogenic polycyclic aromatic hydrocarbons
CULs = cleanup levels
HVOCs = halogenated volatile organic compounds
ORO = total petroleum hydrocarbons as oil-range organics
PCBs = polychlorinated biphenyls
PCE = tetrachloroethene
TCE = trichloroethene

Table 16
Remedial Alternative Cost Summary
18420 68th Avenue South
Kent, Washington
Farallon PN: 2032-012

	Alternative 1 Institutional and Engineered Controls, Monitored Natural Attenuation	Alternative 2 In-Situ Chemical Oxidation, Limited Soil Excavation, Engineered Controls	Alternative 3 Air Sparging and Soil Vapor Extraction, Limited Soil Excavation, Engineered Controls
CONSTRUCTION AND REMEDIATION COSTS			
Development-Related Costs (Not included in totals)			
Building Vapor Barrier	$360,000	$360,000	$360,000
Engineered Controls	$1,100,000	$0	$0
Subtotal not included in total Cleanup Alternative Cost	*$1,460,000*	*$360,000*	*$360,000*
Construction and Remediation			
Site Preparation	$2,500	$48,000	$40,000
Excavation and Disposal	$0	$83,000	$83,000
Temporary Excavation Dewatering	$0	$50,000	$50,000
Injections	$0	$476,000	$0
Air Sparge/Soil Vapor Extraction System Installation	$0	$0	$340,000
Site Restoration	$6,000	$47,000	$47,000
Record Environmental Covenant for Soil and Groundwater	$6,500	$0	$0
Subtotal Construction and Remediation	$15,000	$704,000	$560,000
Contingency and Taxes			
Contingency Percent	20%	30%	30%
Contingency Total	$3,000	$211,000	$168,000
Subtotal Contingency and Construction and Remediation	$18,000	$915,000	$728,000
Washington and Local Sales Tax (6.5% + 3.6%)	$2,000	$92,000	$74,000
Total Construction and Remediation Cost	**$20,000**	**$1,007,000**	**$802,000**
ENGINEERING COSTS			
Project Management (5% to 8% total Construction costs)	$4,600	$72,000	$38,000
Remedial Design, Permitting, Engineering Control Monitoring Plan (6% to 15% total Construction costs)	$5,600	$91,000	$45,000
Construction Management (6% to 10% total Construction costs)	$5,600	$72,000	$45,000
Implementation, Field Observation	$5,000	$126,000	$77,000
Subtotal Engineering and Project Management	**$21,000**	**$361,000**	**$205,000**
TOTAL CAPITAL COST	**$41,000**	**$1,368,000**	**$1,007,000**

Table 16
Remedial Alternative Cost Summary
18420 68th Avenue South
Kent, Washington
Farallon PN: 2032-012

	Alternative 1 Institutional and Engineered Controls, Monitored Natural Attenuation	Alternative 2 In-Situ Chemical Oxidation, Limited Soil Excavation, Engineered Controls	Alternative 3 Air Sparging and Soil Vapor Extraction, Limited Soil Excavation, Engineered Controls
ONGOING PERIODIC AND FUTURE COSTS[1]	**Present Worth Cost n = 20 years**	**Present Worth Cost n = 5 years**	**Present Worth Cost n = 5 years**
Cleanup Action Plan	$15,000	$25,000	$25,000
Annual Cap Inspections and Maintenance (20 years; reseal asphalt at year 10)	$104,000	$0	$0
Air Sparge/Soil Vapor Extraction System Operation & Maintenance (5 years)	$0	$0	$155,000
Compliance Groundwater Monitoring and Reporting (Alt 1: 20 years; Alt 2: 5 years; Alt 3: 6 years)	$680,000	$196,000	$243,000
Annual Progress Reporting (Alt 1: 20 years; Alt 2: 5 years; Alt 3: 6 years)	$37,000	$18,000	$21,000
Closure Report	$10,000	$25,000	$25,000
TOTAL ONGOING PERIODIC and FUTURE COST	**$846,000**	**$264,000**	**$469,000**
CLEANUP ALTERNATIVE TOTAL COST	**$887,000**	**$1,632,000**	**$1,476,000**

NOTES:

Cost Estimating References:

A Guide to Developing and Documenting Cost Estimates During the Feasibility Study dated July 2000, prepared by the U.S. Environmental Protection Agen

[1]OMB Circular No. A-94, *Discount Rates for Cost-Effectiveness, Lease Purchase, and Related Analyses* : https://www.whitehouse.gov/wp-content/uploads/2019/11/Appendix-C-revised.pdf
Net present value evaluation used a real discount rate of 0% for 10 years; -0.3% for 5 years.

Table 17
Summary of Remedial Alternatives Evaluation
18420 68th Avenue South
Kent, Washington
Farallon PN: 2032-012

	Alternative 1 **Institutional and Engineered Controls, Monitored Natural Attenuation**	**Alternative 2** **In-Situ Chemical Oxidation, Limited Soil Excavation, Engineered Controls**	**Alternative 3** **Air Sparging and Soil Vapor Extraction, Limited Soil Excavation, Engineered Controls**
Description	Engineered controls consist of capping the Property with a building foundation and an asphalt-paved parking lot for areas with COCs exceeding soil and/or groundwater CULs, to prevent potential future exposure. An environmental covenant will be recorded, annual asphalt cap inspections will be performed, and compliance groundwater monitoring will be conducted over a 20-year period. A vapor barrier will be installed under the building foundation as part of redevelopment.	The chemical oxidant sodium permanganate will be injected in four treatment areas where HVOCs have been detected at concentrations exceeding groundwater CULs. Soil with COCs at concentrations exceeding CULs will be excavated and disposed of. Compliance groundwater monitoring will be performed over a 5-year period. A vapor barrier will be installed under the building foundation as part of redevelopment.	An air sparge/soil vapor extraction system will be installed in four treatment areas where HVOCs have been detected at concentrations exceeding groundwater CULs. Soil with COCs exceeding CULs will be excavated and disposed of. Compliance groundwater monitoring will be performed over a 6-year period. A vapor barrier will be installed under the building foundation as part of redevelopment.
Amount of Contaminated Soil Removal (tons)	0	700	700
THRESHOLD REQUIREMENTS			
Protection of Human Health and the Environment	**Yes** - Alternative will protect human health and the environment by limiting future exposure to COCs by means of engineered and institutional controls.	**Yes** - Alternative will protect human health and the environment by treating groundwater and physically removing contaminated soil.	**Yes** - Alternative will protect human health and the environment by treating groundwater and physically removing contaminated soil.
Compliance with Cleanup Standards	No - Alternative will not comply with cleanup standards. COCs will remain at concentrations exceeding CULs across the Site long-term.	**Yes** - Cleanup standards will be met for the Site long-term through limited soil source removal and active groundwater treatment.	**Yes** - Cleanup standards will be met for the Site long-term through limited soil source removal and active groundwater treatment.
Compliance with Applicable State and Federal Laws	**Yes** - Alternative complies with applicable laws.	**Yes** - Alternative complies with applicable laws.	**Yes** - Alternative complies with applicable laws.
Provision for Compliance Monitoring	**Yes** - Alternative includes provision for compliance monitoring.	**Yes** - Alternative includes provision for compliance monitoring.	**Yes** - Alternative includes provision for compliance monitoring.
OTHER REQUIREMENTS			
Permanent to the Maximum Extent Practicable (see detail below)	Alternative is not permanent to the maximum extent practicable. Institutional and engineered controls and long-term groundwater monitoring will be implemented to maintain protection of human health and the environment.	Alternative is permanent and protective to the maximum extent practicable. Groundwater exceeding CULs will be treated to the extent practicable. Soil exceeding CULs will be excavated and removed.	Alternative is permanent and protective to the maximum extent practicable. Groundwater exceeding CULs will be treated to the extent practicable. Soil exceeding CULs will be excavated and removed.
Reasonable Restoration Time Frame	Restoration time frame is short, and consists of installation of a new building foundation and an asphalt-paved parking surface. As additional protective measures, annual inspections of engineered controls will be performed, and compliance groundwater monitoring will be conducted. Shallow groundwater is not considered to be a potable water supply. The restoration time frame is considered to be reasonable under MTCA.	Restoration time frame is moderate, requiring approximately three separate 3-week injection events over a 18- to 24-month time frame. Spot excavations of areas where COCs exceed CULs will take approximately 1 week. As additional protective controls, inspections and monitoring will be conducted. No off-Site effects of COCs are anticipated. Shallow groundwater is not considered to be a potable water supply. The restoration time frame is considered reasonable under MTCA.	Restoration time frame for system installation is 1 month, with 5 years of system operation. Spot excavations of areas where COCs exceed CULs will take approximately 1 week. As additional protective controls, inspections and monitoring will be conducted. No off-Site effects of COCs are anticipated. Shallow groundwater is not considered to be a potable water supply. The restoration time frame is considered reasonable under MTCA.
Evaluation Criteria for Permanence to the Maximum Extent Practicable[1]			
Protectiveness (30% weighting factor)	Alternative would not provide additional protectiveness beyond that provided by the existing impervious cap and new asphalt seal. Soil exceeding CULs would be contained by engineered and institutional controls. = 4	Alternative would achieve overall protection of human health and the environment. Soil exceeding CULs would be excavated and removed from the Property, groundwater would be treated, and an engineered barrier would be implemented. = 7	Alternative would achieve overall protection of human health and the environment. Soil exceeding CULs would be excavated and removed from the Property, groundwater would be treated, and an engineered barrier would be implemented. = 8
Permanence (20% weighting factor)	Alternative would not be permanent to the maximum extent practicable. Groudwater and soil exceeding the industrial CULs would remain in-place. = 2	Alternative would be permanent to the maximum extent practicable. Groundwater exceeding CULs would be treated. Soil exceeding CULs would be excavated and removed. = 7	Alternative would be permanent to the maximum extent practicable. Groundwater exceeding CULs would be treated. Soil exceeding CULs would be excavated and removed. = 8
Long-Term Effectiveness (20% weighting factor)	Alternative would not be effective over the long-term. Natural attenuation of COCs in soil at the site is not expected to occur. Existing and new impervious cap on the site would remain in-place. = 4	Alternative would be effective over the long-term by treating groundwater exceeding CULs, and removing and disposing of soil with COCs exceeding CULs. Institutional controls and engineered barriers would be implemented for soil gas. = 6	Alternative would be effective over the long-term by treating groundwater exceeding CULs, and removing and disposing of soil with COCs exceeding CULs. Institutional controls and engineered barriers would be implemented for soil gas. = 7
Short-Term Risk Management (10% weighting factor)	Alternative does not require disturbing contaminated media or other construction activities. No short-term risk-management is needed. = 9	Alternative involves injection of an oxidant, and disturbs affected media, presenting short-term risk to workers, and a nuisance to the public during construction and off-Site transport.	Alternative disturbs affected media, presenting short-term risk to workers, and a nuisance to adjacent property owners during construction and off-Site transport. = 6
Implementability (10% weighting factor)	Implementation of institutional controls is administratively feasible for the Site, and periodic inspection of the engineered barrier is implementable. = 9	Implementation is feasible because existing structures will be demolished as part of redevelopment. Implementation of institutional controls is administratively feasible for the Site, and periodic inspection of the engineered barrier is implementable. = 6	Implementation is feasible because existing structures will be demolished as part of redevelopment. Implementation of institutional controls is administratively feasible for the Site, and periodic inspection of the engineered barrier is implementable. = 7
Public Concerns (10% weighting factor)	Alternative results in minimal public disturbance, but does not treat groundwater exceeding cleanup limits, and leaves impacted soil in-place. The Site is in an area zoned for industrial use; public access is restricted. Public exposure will not occur; limited public concern is anticipated. = 8	Alternative includes injection of an oxidant, which may cause public concern. The Site is in an area zoned for industrial use; public access is restricted. The alternative may result in short-term construction disturbance at the Site. = 8	The Site is in an area zoned for industrial use; public access is restricted. The alternative may result in short-term construction disturbance at the Site. = 8
MTCA Composite Benefit Score[1]	**5**	**6.5**	**7.5**
Overall Alternative Ranking[2]	**3**	**2**	**1**
Cost	**$887,000**	**$1,632,000**	**$1,476,000**

NOTES:

[1] Basis for overall Washington State Model Toxics Control Act Cleanup Regulation (MTCA) Composite Benefit Score provided quantitatively with a score from 1 (least favorable) to 10 (most favorable) for each of the six evaluation criteria for permanence to the Maximum Extent Practicable above. MTCA Composite Benefit Scores were calculated by summing the mathematical product of the score multiplied by the indicated weighting factor for each of the six criteria. The basis for the weighting factors for the six criteria to evaluate permanence to the maximum extent practicable were obtained from the Washington State Department of Ecology guidance cited in Remedial Investigation/Feasibility Study Report text.

[2] Overall Alternative Ranking from 1 (most favorable) to 3 (least favorable).

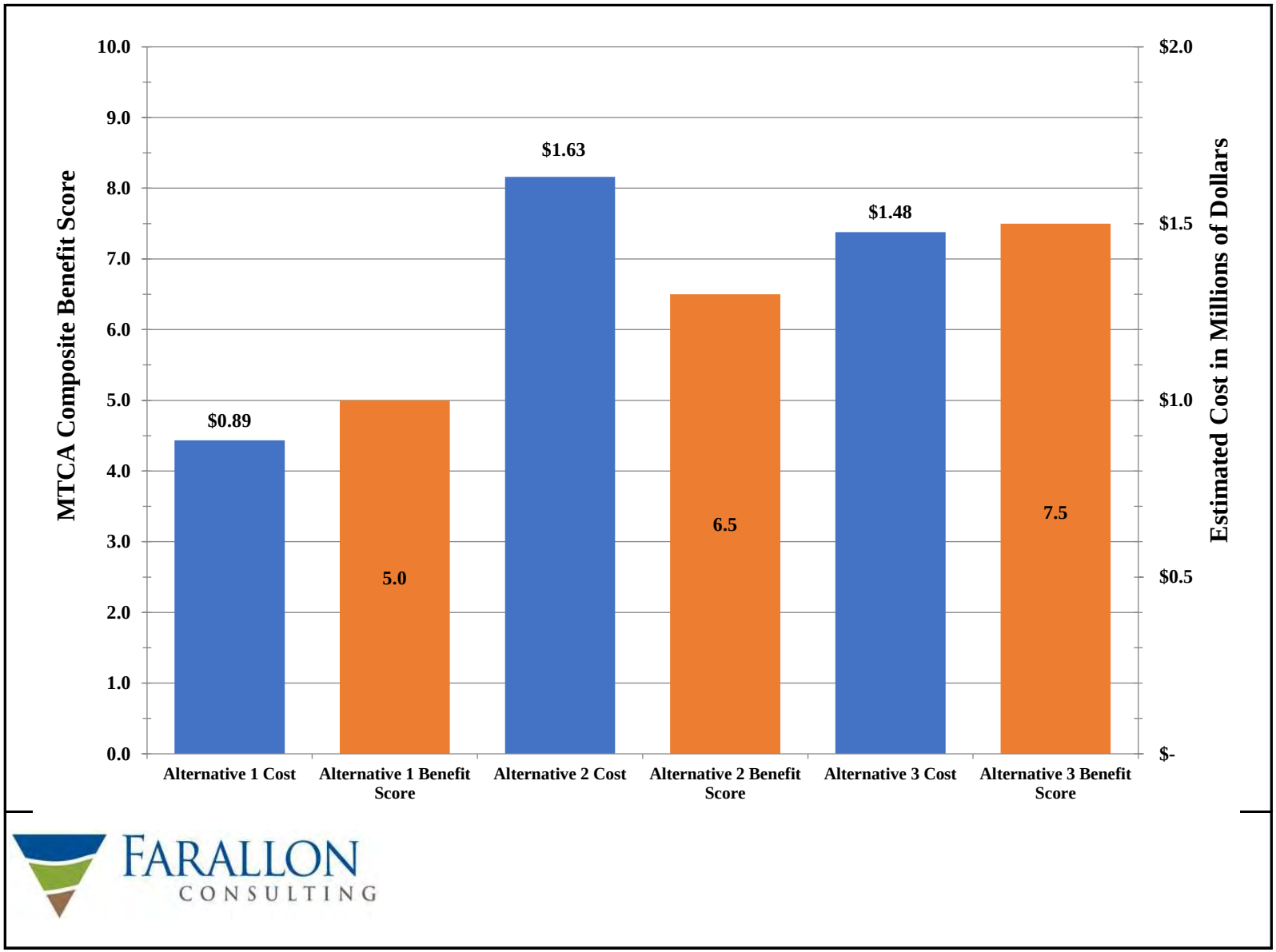
COCs = contaminants of concern
CULs = cleanup levels
HVOCs = halogenated volatile organic compounds

CHART

REMEDIAL INVESTIGATION AND
FEASIBILITY STUDY REPORT
18420 68th Avenue South
Kent, Washington

Farallon PN: 2032-012

Chart 1
Disproportionate Cost Analysis Results
18420 68th Avenue South
Kent, Washington
Farallon PN: 2032-012

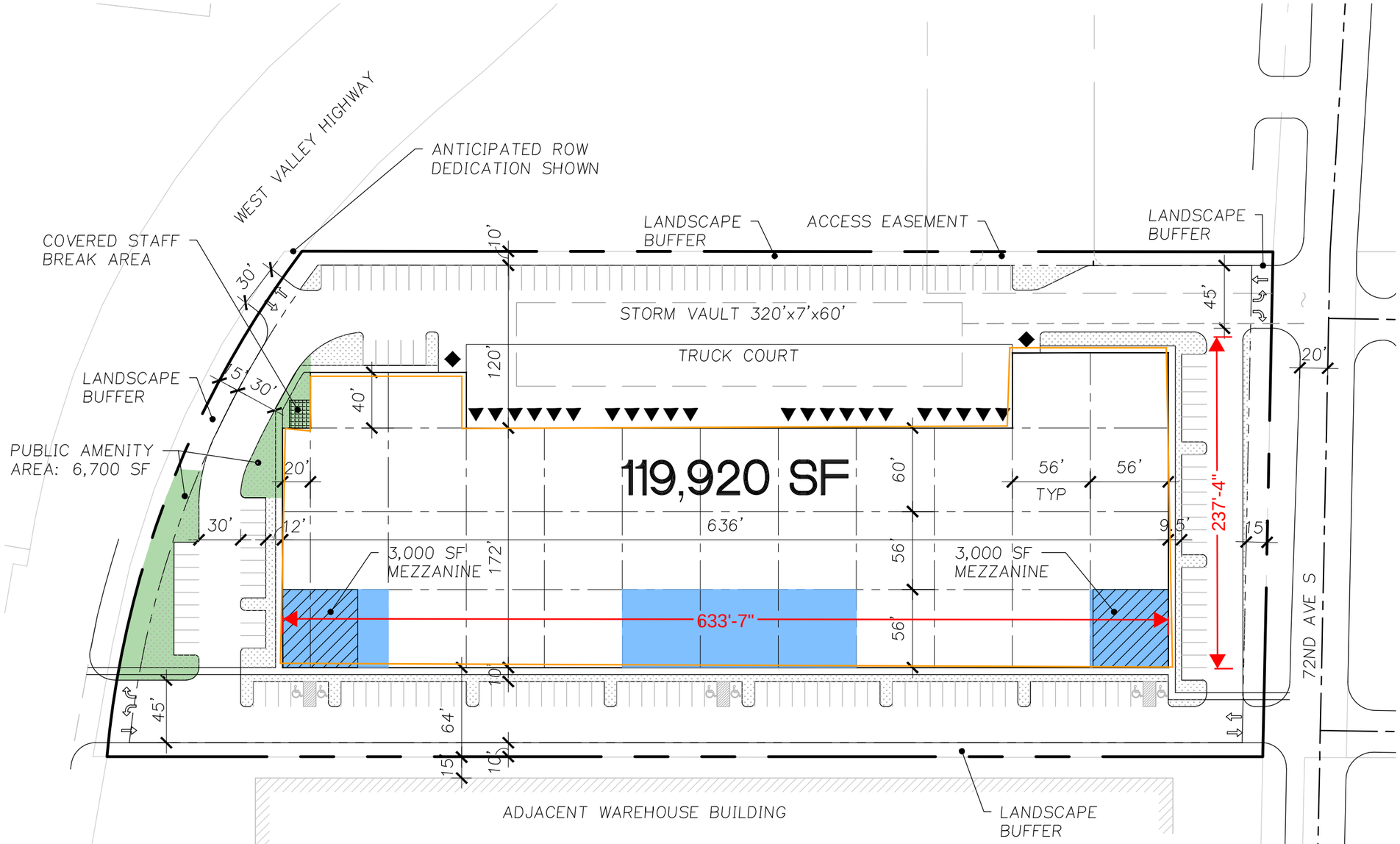


FARALLON CONSULTING

APPENDIX A
PRELIMINARY CONCEPTUAL REDEVELOPMENT PLAN

REMEDIAL INVESTIGATION AND
FEASIBILITY STUDY REPORT
18420 68th Avenue South
Kent, Washington

Farallon PN: 2032-012



18420 68TH AVE S

0' 40' 80' 160'

18420 68TH AVE.

KENT, WA

OPTION A

BUILDING FOOTPRINT:	119,920 SF
SITE AREA:	(6.6 ac) 288,046 SF
SITE COVERAGE:	41.6%

PARKING CALCULATIONS

FOOTPRINT	119,920 SF
MEZZANINE	6,000 SF
OFFICE AREA (10%): (INCLUDES MEZZANINE)	12,592 SF
WAREHOUSE (90%):	113,328 SF

MIN REQ'D PARKING ALT	
OFFICE (1 PER 250 SF):	51 SPACES
WAREHOUSE (1 PER 1,000SF):	114 SPACES
TOTAL REQ'D:	165 SPACES
PARKING PROVIDED:	168 SPACES

REQUIRED RATIO: (LANDSCAPE TO IMPERVIOUS SURFACE)	10%
LANDSCAPE AREA:	14,522 SF
LANDSCAPE RATIO:	12.2%

DOCK DOORS:	22
DOCK DOORS ALLOWED:	16
DOCK DOORS ALLOWED WITH ENHANCEMENTS:	22
DRIVE IN DOORS:	2

(3-4) ENHANCEMENTS REQ'D

LEGEND

- DRIVE IN DOOR
- DOCK DOOR
- LANDSCAPE AREA
- AMENITY AREA

LIFT PARTNERS
180 SUTTER STREET, STE. 400
SAN FRANCISCO, CA 94104

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APPENDIX B
BORING LOGS

REMEDIAL INVESTIGATION AND
FEASIBILITY STUDY REPORT
18420 68th Avenue South
Kent, Washington

Farallon PN: 2032-012

Log of Boring: AS-1

Client: Lift Real Estate Partners, LLC
Project: 68th Ave South
Location: Kent, Washington

Farallon PN: 2032-012

Logged By: G.Mckenney

Date/Time Started: 3/4/2021 @ 1100
Date/Time Completed: 3/3/2021 @ 1130
Equipment: Geoprobe 7822
Drilling Company: Holt Services
Drilling Foreman: Louie
Drilling Method: Direct Push/Hollow Stem Auger

Sampler Type: 5' Macrocore
Drive Hammer (lbs.): Auto
Depth of Water ATD (ft bgs): 11.0
Total Boring Depth (ft bgs): 20.0
Total Well Depth (ft bgs): 20.0

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	USCS Graphic	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed	Boring/Well Construction Details
0		0.0-0.42': Concrete.	CO							Monument
		0.42-5.0': Poorly-graded SAND (100% sand), fine sand, brown, moist, no odor, no staining. Airknife to 5.0' to clear for utilities.	SP				0.0	AS-1-2.0	X	Cement
5		5.0-5.5': Poorly-graded SAND with gravel (90% sand, 10% gravel), fine sand, fine gravel, moist, no odor, no staining.	SP		40		0.0	AS-1-5.0		
		5.5-7.0': SILT (100% Silt), gray, moist, no odor, no staining.	ML							
		7.0-10.0': No recovery.								Grout
10		10.0-14.0': Silty SAND (70% sand, 30% silt), fine sand, gray, mottled brown, wet, no odor, no staining.	SM		80		0.1	AS-1-10.0	X	Water level
		14.0-15.0': No recovery.								Bentonite
15		15.0-17.5': Silty SAND (70% sand, 30% silt), fine sand, gray, wet, no odor, no staining. Wood debris observed at 16.5' bgs.	SM		100		0.2	AS-1-16.0		Well Screen
		17.5-20.0': SILT (95% silt, 5% sand), fine sand, gray, wet, no odor, no staining.	ML							Sand Pack
20								AS-1-20.0		

Well Construction Information

Monument Type: Flush Mount
Casing Diameter (inches): 2.0
Screen Slot Size (inches): 0.020
Screened Interval (ft bgs): 15.0-16.5

Filter Pack: Sand pack
Surface Seal: Concrete
Annular Seal: Cement
Boring Abandonment: NA

Ground Surface Elevation (ft): NA
Top of Casing Elevation (ft): NA
Surveyed Location: X: NA Y: NA
Unique Well ID: NA

Environmental Services
emsgroupllc.com

					Boring Number:	**B-1**		Sheet Number:	1	of	8
					Job Name:	CAM Properties - Further Delineation			Date:		2/13/2008
					Client:	Spencer Law Firm					
					Location:	18420 68th Avenue S., Kent, Washington 98052					
				Casing Depth:	n/a		Casing Elevation:	n/a			Drilling
				Well Screen Size:	n/a		Water Level:	16 feet bgs		Start	Finish
				Surface Conditions:	Asphalt				Time:	8:27	9:15
							Longitude:				
							Latitude:				
							Comments:	Direct Push Probe used			

Inches Driven	Inches Recovered	Sample Number	Sample Time & Interval	Depth to Water	Water Sampling Screen		Soil Description
						0	0-6" Asphalt
						1	6"-2'6": Gray medium to fine sand with silt and occasional gravel, resembling fill material
						2	2'6"-6': Brown medium to fine sand with silt and occasional gravel resembling fill material
						3	
48	36					4	
						5	
						6	6-7': Dark brown fine well sorted sand with silt
						7	7-8': Dark brown medium sorted sand with silt
48	36	B1-8'	8:54			8	8-11': Brown fine poorly sorted silty sand
						9	
						10	
						11	11-14': Brown and gray medium to fine sorted sand
48	24					12	
						13	
						14	14-16': Gray silt with clay, wet
						15	
48	24			▽		16	
						17	
						18	Groundwater sample B1-W1 collected at 9:10
						19	
48						**20**	

Environmental Services emsgroupllc.com					Boring Number:	B-3		Sheet Number:	3	of	8
					Job Name:	CAM Properties - Further Delineation			Date:		2/13/2008
					Client:	Spencer Law Firm					
					Location:	18420 68th Avenue S., Kent, Washington 98052					
				Casing Depth:	n/a		Casing Elevation:	n/a		Drilling	
				Well Screen Size:	n/a		Water Level:	9.95 feet bgs		Start	Finish
				Surface Conditions:	Asphalt				Time:	9:55	10:05
							Longitude:				
							Latitude:				
							Comments:	Direct Push Probe used			

Inches Driven	Inches Recovered	Sample Number	Sample Time & Interval	Depth to Water	Water Sampling Screen		Soil Description
						0	0-6" Asphalt
							6"-2'6": Gray medium to fine sand with silt and occasional gravel,
						1	resembling fill material
						2	2'6"-5': Brown medium to fine sand with silt and occasional gravel
							resembling fill material
						3	
48	36					4	
						5	5-5'6": Gray and brown medium to fine well sorted sand with silt
							5'6"-6': Gray and white medium to fine well sorted sand with silt, moist
		B3-5.5-6.5	10:10			6	6-8': Gray well sorted silt with some fine sand, wet
						7	
48	48					8	8-11'6": Gray poorly sorted silt with some clay, wet
						9	
				▽		10	
						11	
							11'6"-16': Gray fine sorted sand with silt
48	42					12	
						13	
						14	
						15	
48	48					16	
						17	
							Groundwater sample B3-W3: collected at 10:36
						18	
						19	
48						20	

					Boring Number:	**B-4**		Sheet Number:	4	of	8
					Job Name:	CAM Properties - Further Delineation			Date:		2/13/2008
					Client:	Spencer Law Firm					
					Location:	18420 68th Avenue S., Kent, Washington 98052					
				Casing Depth:	n/a		Casing Elevation:	n/a		Drilling	
				Well Screen Size:	n/a		Water Level:	9.35 feet bgs		Start	Finish
				Surface Conditions:	Asphalt				Time:	10:50	11:25
							Longitude:				
							Latitude:				
							Comments:	Direct Push Probe used			

Inches Driven	Inches Recovered	Sample Number	Sample Time & Interval	Depth to Water	Water Sampling Screen		Soil Description
						0	0-6" Asphalt
							6"-2'6": Gray medium to fine sand with silt and occasional gravel, resembling fill material
						1	
							2'6"-6': Brown medium to fine sand with silt and occasional gravel resembling fill material
						2	
	24					3	
48						4	
						5	
						6	6-8': Gray medium to fine sorted sand with silt
						7	
	36					8	
48		B4:8-9	11:18			9	8-12': Gray poorly sorted silt with clay
						10	
						11	
48	48					12	
						13	
						14	
						15	
48	0					16	
						17	
						18	Groundwater sample B4-W4: collected at 11:15
						19	
48						**20**	

					Boring Number:	**B-10**		Sheet Number:	2	of	6
					Job Name:	CAM Properties - Further Delineation			Date:		3/21/2008
					Client:	Spencer Law Firm					
					Location:	18420 68th Avenue S., Kent, Washington 98052					
				Casing Depth:	n/a		Casing Elevation:	n/a		Drilling	
			Well Screen Size:		n/a		Water Level:	13 feet bgs		Start	Finish
			Surface Conditions:		Asphalt				Time:	10:40	11:15
							Longitude:				
							Latitude:				
							Comments:	Direct Push Probe used			

Inches Driven	Inches Recovered	Sample Number	Sample Time & Interval	Depth to Water	Water Sampling Screen		Soil Description
						0	0-6" Asphalt
							6"-3': Brown fine to coarse sand with gravel, resembling fill material
						1	
						2	
						3	3-8'6": Tan and gray fine sand with trace silt
	42						
48						4	
						5	
						6	
	36					7	
48						8	
							8'6"-11': Gray fine sand, with some trace organics (roots)
						9	
						10	
	30					11	11-16': Gray silt, moist to wet
48						12	
						13	
						14	
	18	B10:15'	11:10			**15**	
48						16	
						17	
						18	Groundwater sample B10-W10: collected at 11:15
						19	
48						**20**	

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Log of Boring: F-25

Client: Lift Real Estate Partners, LLC
Project: 68th Ave South
Location: Kent, Washington

Farallon PN: 2032-012

Logged By: G.Mckenney

Date/Time Started: 3/3/2021 @ 1140
Date/Time Completed: 3/3/2021 @ 1200
Equipment: Hand Auger
Drilling Company: Holt Services
Drilling Foreman: Trevor
Drilling Method: Hand Auger

Sampler Type: Auger
Drive Hammer (lbs.): NA
Depth of Water ATD (ft bgs): NA
Total Boring Depth (ft bgs): 2.0
Total Well Depth (ft bgs): NA

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	USCS Graphic	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed	Boring/Well Construction Details
0		0.0-0.4': Concrete.	CO							Concrete
		0.4-2.0': Poorly-graded SAND with gravel (90% sand, 10% gravel), fine to medium sand, fine gravel, brown, moist, no odor, no staining.	SP							
					100		1.7	F-25-2.0	X	Bentonite

Well Construction Information

Monument Type: NA
Casing Diameter (inches): NA
Screen Slot Size (inches): NA
Screened Interval (ft bgs): NA

Filter Pack: NA
Surface Seal: NA
Annular Seal: NA
Boring Abandonment: Bentonite

Ground Surface Elevation (ft): NA
Top of Casing Elevation (ft): NA
Surveyed Location: **X:** NA **Y:** NA
Unique Well ID: NA

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Log of Boring: F-26

Client: Lift Real Estate Partners, LLC
Project: 68th Ave South
Location: Kent, Washington

Farallon PN: 2032-012

Logged By: G.Mckenney

Date/Time Started: 3/4/2021 @ 1500
Date/Time Completed: 3/4/2021 @ 1515
Equipment: Geoprobe 7822
Drilling Company: Holt Services
Drilling Foreman: Trevor
Drilling Method: Direct Push

Sampler Type: 5' Macrocore
Drive Hammer (lbs.): Auto
Depth of Water ATD (ft bgs): 11.0
Total Boring Depth (ft bgs): 20.0
Total Well Depth (ft bgs): NA

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	USCS Graphic	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed	Boring/Well Construction Details
0		0.0-5.0': Poorly graded SAND (100% sand), fine sand, brown, moist, no odor, no staining. Airknife to 5.0' bgs to clear for utilities.	SP				2.0	F-26-2.0	X	Concrete; Bentonite
5		5.0-6.5': Poorly graded SAND (100% sand), fine sand, brown, moist, no odor, no staining.	SP		50					
		6.5-7.5': SILT (100% silt), brown, moist, no odor, no staining.	ML				0.3	F-26-6.5	X	
		7.5-10.0': No recovery.								
10		10.0-10.5': Poorly graded SAND (100% sand), fine sand, brown, moist, no odor, no staining.	SP		30		0.3	F-26-10.0	X	Water level
		10.5-11.5': Silty SAND (80% sand, 20% silt), fine sand, gray, wet, no odor, no staining.	SM							
		11.5-15.0': No recovery.								
15		15.0-17.0': SILT (100% silt), gray, moist, no odor, no staining.	ML		60					
		17.0-18.0': Poorly-graded SAND with silt (90% sand, 10% silt), fine sand, gray, wet, no odor, no staining.	SP-SM							
		18.0-20.0': No recovery.					0.2	F-26-18.0		
20										

Well Construction Information

Monument Type: NA
Casing Diameter (inches): NA
Screen Slot Size (inches): NA
Screened Interval (ft bgs): NA

Filter Pack: NA
Surface Seal: NA
Annular Seal: NA
Boring Abandonment: Bentonite

Ground Surface Elevation (ft): NA
Top of Casing Elevation (ft): NA
Surveyed Location: X: NA Y: NA
Unique Well ID: NA

Log of Boring: F-27

Client: Lift Real Estate Partners, LLC
Project: 68th Ave South
Location: Kent, Washington

Farallon PN: 2032-012

Logged By: G.Mckenney

Date/Time Started: 3/4/2021 @ 1420
Date/Time Completed: 3/4/2021 @ 1445
Equipment: Geoprobe 7822
Drilling Company: Holt Services
Drilling Foreman: Trevor
Drilling Method: Direct Push

Sampler Type: 5' Macrocore
Drive Hammer (lbs.): Auto
Depth of Water ATD (ft bgs): 11.0
Total Boring Depth (ft bgs): 20.0
Total Well Depth (ft bgs): NA

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	USCS Graphic	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed	Boring/Well Construction Details
0		0.0-5.0': Poorly graded SAND (100% sand), brown, moist, no odor, no staining. Airknife to 5.0' bgs to clear for utilities.	SP				2.6	F-27-2.0	X	Concrete; Bentonite
5		5.0-7.0': Poorly graded SAND (100% sand), brown, moist, no odor, no staining.	SP		60					
		7.0-8.0': SILT (100% silt), brown, moist, no odor, no staining.	ML				0.2	F-27-7.0	X	
		8.0-10.0': No recovery.								
10		10.0-15.0': No recovery.			0					
15		15.0-16.0': Poorly-graded SAND (95% sand, 5% silt), gray-brown, moist to wet, no odor, no staining.	SP		30					Water level
		16.5-20.0': No recovery.					0.3	F-27-16.5	X	
20										

Well Construction Information

Monument Type: NA
Casing Diameter (inches): NA
Screen Slot Size (inches): NA
Screened Interval (ft bgs): NA

Filter Pack: NA
Surface Seal: NA
Annular Seal: NA
Boring Abandonment: Bentonite

Ground Surface Elevation (ft): NA
Top of Casing Elevation (ft): NA
Surveyed Location: X: NA Y: NA
Unique Well ID: NA

FARALLON CONSULTING

Log of Boring: F-28

Client: Lift Real Estate Partners, LLC
Project: 68th Ave South
Location: Kent, Washington

Farallon PN: 2032-012

Logged By: G.Mckenney

Date/Time Started: 3/4/2021 @ 1245
Date/Time Completed: 3/4/2021 @ 1410
Equipment: Geoprobe 7822
Drilling Company: Holt Services
Drilling Foreman: Trevor
Drilling Method: Direct Push

Sampler Type: 5' Macrocore
Drive Hammer (lbs.): Auto
Depth of Water ATD (ft bgs): 11.0
Total Boring Depth (ft bgs): 20.0
Total Well Depth (ft bgs): NA

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	USCS Graphic	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed	Boring/Well Construction Details
0		0.0-5.0': Poorly graded SAND with silt (90% sand, 10% silt), fine sand, gray, moist, organic odor, no staining. Airknife to 5.0' bgs to clear for utilities.	SP-SM				0.2	F-28-2.0	X	Concrete; Bentonite
5		5.0-7.0': Poorly graded SAND with silt (90% sand, 10% silt), fine sand, gray, moist, organic odor, no staining.	SP-SM		50		0.1	F-28-5.0	X	
		7.0-10.0': No recovery.								
10		10.0-12.0: Poorly-graded SAND (90% sand, 5% silt, 5% gravel), fine sand, gray, wet, organic odor, no staining.	SP		40		0.2	F-28-10.0	X	Water level
		12.0-15.0': No recovery.								
15		15.0-16.5': Poorly-graded SAND (90% sand, 5% silt, 5% gravel), fine sand, gray, wet, organic odor, no staining. Wood debris at the bottom.	SP		80					
		16.5-19.0': SILT (95% silt, 5% sand), gray, moist, no odor, no staining. Wood debris throughout.	ML				0.2	F-28-16.0		
		19.0-20.0': No recovery.					0.2	F-28-19.0		
20										

Well Construction Information

Monument Type: NA
Casing Diameter (inches): NA
Screen Slot Size (inches): NA
Screened Interval (ft bgs): NA

Filter Pack: NA
Surface Seal: NA
Annular Seal: NA
Boring Abandonment: Bentonite

Ground Surface Elevation (ft): NA
Top of Casing Elevation (ft): NA
Surveyed Location: X: NA Y: NA
Unique Well ID: NA

FARALLON CONSULTING

Log of Boring: F-29

Client: Lift Real Estate Partners, LLC
Project: 68th Ave South
Location: Kent, Washington

Farallon PN: 2032-012

Logged By: G.Mckenney

Date/Time Started: 3/5/2021 @ 1115
Date/Time Completed: 3/5/2021 @ 1140
Equipment: Geoprobe 7822
Drilling Company: Holt Services
Drilling Foreman: Trevor
Drilling Method: Direct Push

Sampler Type: 5' Macrocore
Drive Hammer (lbs.): Auto
Depth of Water ATD (ft bgs): 15.0
Total Boring Depth (ft bgs): 20.0
Total Well Depth (ft bgs): NA

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	USCS Graphic	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed	Boring/Well Construction Details
0		0.0-3.0': Poorly graded SAND (100% sand), fine sand, brown, moist, no odor, no staining. Hand clear to 3.0' bgs to clear for utilities.	SP				0.2	F-29-2.0	X	Concrete; Bentonite
		3.0-5.0': Poorly graded SAND (100% sand), fine sand, brown, moist, no odor, no staining.	SP							
5		5.0-8.0': Poorly graded SAND (100% sand), fine sand, brown, moist, no odor, no staining.	SP		80					
		8.0-9.0': SILT (100% silt), mottled brown and orange, moist, no odor, no staining.	ML				0.0	F-29-8.0	X	
		9.0-10.0': No recovery.								
10		10.0-11.0": SILT (100% silt), brown, moist, no odor, no staining.	ML		20					
		11.0-15.0': No recovery.								
15		15.0-19.0': Poorly-graded SAND with silt (90% sand, 10% silt), fine sand, brown-gray, moist to wet, no odor, no staining. Wood debris observed @ 17.0' bgs.	SP-SM		80					Water level
		19.0-20.0': No recovery.					0.0	F-29-19.0		
20										

Well Construction Information

Monument Type: NA
Casing Diameter (inches): NA
Screen Slot Size (inches): NA
Screened Interval (ft bgs): NA

Filter Pack: NA
Surface Seal: NA
Annular Seal: NA
Boring Abandonment: Bentonite

Ground Surface Elevation (ft): NA
Top of Casing Elevation (ft): NA
Surveyed Location: X: NA Y: NA
Unique Well ID: NA

FARALLON CONSULTING

Log of Boring: F-30

Client: Lift Real Estate Partners, LLC
Project: 68th Ave South
Location: Kent, Washington

Farallon PN: 2032-012

Logged By: G.Mckenney

Date/Time Started: 3/5/2021 @ 1025
Date/Time Completed: 3/5/2021 @ 1055
Equipment: Geoprobe 7822
Drilling Company: Holt Services
Drilling Foreman: Trevor
Drilling Method: Direct Push

Sampler Type: 5' Macrocore
Drive Hammer (lbs.): Auto
Depth of Water ATD (ft bgs): 10.0
Total Boring Depth (ft bgs): 20.0
Total Well Depth (ft bgs): NA

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	USCS Graphic	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed	Boring/Well Construction Details
0		0.0-5.0': Poorly graded SAND (100% sand), brown, moist, no odor, no staining. Airknife to 5.0' bgs to clear for utilities.	SP				0.1	F-30-2.0	X	Concrete; Bentonite
5		5.0-5.5': Poorly graded SAND (100% sand), brown, moist, no odor, no staining.	SP		60		0.0	F-30-5.0		
		5.5-7.5': SILT (100 silt), gray-brown, moist, no odor, no staining.	ML							
		7.5-8.5': Poorly-graded SAND (95% sand, 5% silt), gray, no odor, no staining.	SP							
		8.5-10.0': No recovery.								
10		10.0-13.0': Poorly-graded SAND (95% sand, 5% silt), gray, wet, no odor, no staining, wood debris present.	SP		100					Water level
		13.0-15.0': SILT (95% silt, 5% sand), fine sand, gray, moist, no odor, no staining.	ML				0.0	F-30-13.0	X	
15		15.0-20.0': Poorly-graded SAND (95% sand, 5% silt), fine sand, dark gray, moist, no odor, no staining. Wood debris throughout.	SP		100					
20							0.0	F-30-20.0		

Well Construction Information

Monument Type: NA
Casing Diameter (inches): NA
Screen Slot Size (inches): NA
Screened Interval (ft bgs): NA

Filter Pack: NA
Surface Seal: NA
Annular Seal: NA
Boring Abandonment: Bentonite

Ground Surface Elevation (ft): NA
Top of Casing Elevation (ft): NA
Surveyed Location: X: NA Y: NA
Unique Well ID: NA

FARALLON CONSULTING

Log of Boring: F-31

Client: Lift Real Estate Partners, LLC
Project: 68th Avenue South
Location: Kent, Washington

Farallon PN: 2032-012

Logged By: G. McKenney

Date/Time Started: 05/19/2021 1520
Date/Time Completed: 05/19/2021 1600
Equipment: Geoprobe 7822
Drilling Company: Holt
Drilling Foreman: Mike
Drilling Method: Direct Push

Sampler Type: 5' Macrocore
Drive Hammer (lbs.): Auto
Depth of Water ATD (ft bgs): 11
Total Boring Depth (ft bgs): 20
Total Well Depth (ft bgs):

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	USCS Graphic	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed	Boring/Well Construction Details
0		0.0-5.0': Air knife to 5' bgs for utilities.								Cold Patch
5		5.0-7.0': Silty SAND (80% sand, 20% silt), fine sand, brown, moist, no odor, no staining. Roots throughout.	SM		50		1.0	F-31-5.0	X	
		7.0-7.5': SILT with sand (70% silt, 30% sand), fine sand, mottled brown, moist, no odor, no staining.	ML							
		7.5-10.0': No Recovery.								
10		10.0-12.0': SILT (100% silt), mottled brown, wet, no odor, no staining.	ML		70		0.2	F-31-10.0	X	▼ Water Level
		12.0-13.5': SILT (100% silt), mottled gray, wet, no odor, no staining.	ML				0.7	F-31-12.0	X	Bentonite
		13.5-15.0': No Recovery.								
15		15.0-19.5': Poorly graded SAND (100% sand), fine to medium sand, dark gray, wet, no odor, no staining.	SP		90		0.9	F-31-15.0	X	
		19.5-20.0': No Recovery.					0.2	F-31-19.5	X	
20										

Well Construction Information

Monument Type: NA
Casing Diameter (inches): NA
Screen Slot Size (inches): NA
Screened Interval (ft bgs): NA

Filter Pack: NA
Surface Seal: Cold Patch
Annular Seal: NA
Boring Abandonment: Bentonite

Ground Surface Elevation (ft): NA
Top of Casing Elevation (ft): NA
Surveyed Location: **X:** NA **Y:** NA
Unique Well ID: NA

Log of Boring: F-32

Client: Lift Real Estate Partners, LLC
Project: 68th Avenue South
Location: Kent, Washington

Farallon PN: 2032-012

Logged By: G. McKenney

Date/Time Started: 05/19/2021 1335
Date/Time Completed: 05/19/2021 1515
Equipment: Geoprobe 7822
Drilling Company: Holt
Drilling Foreman: Mike
Drilling Method: Direct Push

Sampler Type: 5' Macrocore
Drive Hammer (lbs.): Auto
Depth of Water ATD (ft bgs): 11
Total Boring Depth (ft bgs): 35
Total Well Depth (ft bgs):

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	USCS Graphic	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed	Boring/Well Construction Details
0		0.0-5.0': Air knife to 5' bgs for utilities.								Cold Patch
5		5.0-7.0': Poorly-graded SAND (100% Sand), fine sand, brown, moist, no odor, no staining.	SP		70					
		7.0-8.5': SILT with sand (90% silt, 10% sand), fine sand, mottled brown, moist, no odor, no staining.	ML							
		8.5-10.0': No Recovery.								
10		10.0-11.0': Silty SAND (70% sand, 30% silt), fine sand, brown, moist, no odor, no staining.	SM		60					Water Level
		11.0-13.0': Poorly-graded SAND (95% sand, 5% silt), fine sand, gray, wet, no odor, no staining.	SP							
		13.0-15.0': No Recovery.								Bentonite
15		15.0-17.0': Silty SAND (70% sand, 30% silt), fine sand, brown- gray, wet, no odor, no staining. 4" wood at lower contact.	SM		90			F-32-15.0		
		17.0-19.5': SILT with sand (80% silt, 20% sand), gray, wet, no odor, no staining.	ML							
20		19.5-20.0': No Recovery.			70					
		20.0-22.5': Silt with sand (90% silt, 10% sand), fine sand, tan to brown, moist, no odor, no staining, wood debris throughout.	ML							
		22.5-23.5': SILT with sand (90% silt, 10% sand), gray, moist, no odor, no staining, wood debris throughout.	ML							
25		23.5-25.0': No Recovery.								Bentonite
		25.0-26.5': SILT (100% silt), mottled brown, gray, moist, no odor, no staining.	ML		100					
		26.5-28.0': Silty SAND (70% sand, 30% silt), fine sand, brown to gray, moist, no odor, no staining.	SM							
30		28.0-30.0': SILT with sand (90% silt, 10% sand), fine sand, dark gray, moist, no odor, no staining, wood debris throughout.	ML							
		30.0-33.0': Silty SAND (70% sand, 30% silt), gray, fine sand, moist to wet, no odor, no staining.	SM		100					
		33.0-35.0': Poorly graded SAND (100% sand), fine to medium sand, dark gray, wet, no odor, no staining.	SP					F-32-35.0		
35										
40										

Well Construction Information

Monument Type: NA
Casing Diameter (inches): NA
Screen Slot Size (inches): NA
Screened Interval (ft bgs): NA

Filter Pack: NA
Surface Seal: Cold Patch
Annular Seal: NA
Boring Abandonment: Bentonite

Ground Surface Elevation (ft): NA
Top of Casing Elevation (ft): NA
Surveyed Location: **X:** NA **Y:** NA
Unique Well ID: NA

FARALLON CONSULTING

Log of Boring: FMW-10

Client: Lift Real Estate Partners, LLC
Project: 68th Ave South
Location: Kent, Washington

Farallon PN: 2032-012

Logged By: G.Mckenney

Date/Time Started: 3/4/2021 @ 1605
Date/Time Completed: 3/4/2021 @ 1635
Equipment: Geoprobe 7822
Drilling Company: Holt Services
Drilling Foreman: Trevor
Drilling Method: Direct Push

Sampler Type: 5' Macrocore
Drive Hammer (lbs.): Auto
Depth of Water ATD (ft bgs): 11.0
Total Boring Depth (ft bgs): 20.0
Total Well Depth (ft bgs): 20.0

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	USCS Graphic	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed	Boring/Well Construction Details
0		0.0-5.0': Poorly graded SAND (100% sand), fine sand, brown, moist, no odor, no staining. Airknife to 5.0' bgs to clear for utilities.	SP				0.0	FMW-10-2.0		Concrete; Bentonite
5		5.0-6.0': Poorly graded SAND (100% sand), fine sand, brown, moist, no odor, no staining.	SP		60		0.0	FMW-10-5.0		Sand Pack
		6.0-8.0': SILT (100% silt), mottled gray-brown, moist, no odor, no staining.	ML							
		8.0-10.0': No recovery.								
10		10.0-14.0': Silty SAND (80% sand, 20% silt), fine sand, gray-brown, moist, no odor, no staining.	SM		90		0.1	FMW-10-13.0		Water level
		14.0-15.0': No recovery.								
15		15.0-16.5': Silty SAND (80% sand, 20% silt), fine sand, gray-brown, wet, no odor, no staining.	SM		100					Well Screen
		16.5-20.0': SILT (80% silt, 20% sand), fine sand, gray, wet, no odor, no staining.	ML				0.1			
20							0.0	FMW-10-20.0		

Well Construction Information

Monument Type: Flush mount
Casing Diameter (inches): 2.0
Screen Slot Size (inches): 0.010
Screened Interval (ft bgs): 5.0-20.0

Filter Pack: 12/20 Sand
Surface Seal: Concrete
Annular Seal: Concrete
Boring Abandonment: Bentonite

Ground Surface Elevation (ft): 26.91
Top of Casing Elevation (ft): 26.42
Surveyed Location: X: 1290801.6 Y: 162595.7
Unique Well ID: NA

FARALLON CONSULTING

Log of Boring: FMW-11

Client: Lift Real Estate Partners, LLC
Project: 68th Ave South
Location: Kent, Washington

Farallon PN: 2032-012

Logged By: G.Mckenney

Date/Time Started: 3/5/2021 @ 1425
Date/Time Completed: 3/5/2021 @ 1500
Equipment: Geoprobe 7822
Drilling Company: Holt Services
Drilling Foreman: Trevor
Drilling Method: Direct Push

Sampler Type: 5' Macrocore
Drive Hammer (lbs.): Auto
Depth of Water ATD (ft bgs): 11.0
Total Boring Depth (ft bgs): 20.0
Total Well Depth (ft bgs): 20.0

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	USCS Graphic	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed	Boring/Well Construction Details
0		0.0-5.0': Poorly graded SAND (100% sand), brown, moist, no odor, no staining. Airknife to 5.0' bgs to clear for utilities.	SP				0.0	FMW-11-2.0		Concrete; Bentonite
5		5.0-7.0': SILT (100% silt), mottled gray-brown, moist, no odor, no staining.	ML		40					Sand Pack
		7.0-10.0': No recovery.					0.1	FMW-11-7.0		
10		10-10.5': SILT (100% silt), gray brown, moist, no odor, no staining.			80					
		10.5-13.0': Poorly graded SAND with silt (90% sand, 10% silt), fine sand, wet, no odor, no staining.	SP-SM							Water level
		13.0-14.0': Poorly-graded SAND with silt (95% sand, 5% silt), fine sand, gray, wet, no odor, no staining.	SP							
		14.0-15.0': No recovery.					0.0	FMW-11-14.0		
15		15.0-16.5': Poorly-graded SAND with silt (95% sand, 5% silt), fine sand, gray wet, no odor, no staining.	SP		90					Well Screen
		16.5-19.5': SILT with sand (90% silt, 10% sand), fine sand, gray, wet, no odor, no staining. Wood debris observed at the bottom.	ML				0.0			
		19.5-20.0': No recovery.								
20							0.0	FMW-11-16.5		

Well Construction Information

Monument Type: Flush mount
Casing Diameter (inches): 2.0
Screen Slot Size (inches): 0.010
Screened Interval (ft bgs): 5.0-20.0

Filter Pack: 12/20 Sand
Surface Seal: Concrete
Annular Seal: Concrete
Boring Abandonment: Bentonite

Ground Surface Elevation (ft): 26.90
Top of Casing Elevation (ft): 26.54
Surveyed Location: X: 1290843.7 Y: 162595.6
Unique Well ID: NA

FARALLON CONSULTING

Log of Boring: FMW-12

Client: Lift Real Estate Partners, LLC
Project: 68th Ave South
Location: Kent, Washington

Farallon PN: 2032-012

Logged By: G.Mckenney

Date/Time Started: 3/5/2021 @ 845
Date/Time Completed: 3/5/2021 @ 915
Equipment: Geoprobe 7822
Drilling Company: Holt Services
Drilling Foreman: Trevor
Drilling Method: Direct Push

Sampler Type: 5' Macrocore
Drive Hammer (lbs.): Auto
Depth of Water ATD (ft bgs): 15.5
Total Boring Depth (ft bgs): 20.0
Total Well Depth (ft bgs): 20.0

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	USCS Graphic	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed	Boring/Well Construction Details
0		0.0-5.0': Poorly graded SAND (100% sand), brown, moist, no odor, no staining. Airknife to 5.0' bgs to clear for utilities.	SP				4.4	FMW-12-2.0	X	Concrete
										Bentonite
5		5.0-10.0': No recovery.			0					Sand Pack
10		10.0-11.0': Poorly-graded SAND (90% sand, 5% silt, 5% gravel), fine sand, gray, moist, no odor, no staining.	SP		15		1.5	FMW-12-10.0	X	Well Screen
		11.0-15.0': No recovery.								
15		15.0-18.5': Poorly-graded SAND (95% sand, 5% silt), fine sand, dark gray, wet, no odor, no staining.	SP		60					Water level
		18.5-20.0': No recovery.					0.1	FMW-12-18.5		
20										

Well Construction Information

Monument Type: Flush mount
Casing Diameter (inches): 2.0
Screen Slot Size (inches): 0.010
Screened Interval (ft bgs): 5.0-20.0

Filter Pack: 12/20 Sand
Surface Seal: Concrete
Annular Seal: Concrete
Boring Abandonment: NA

Ground Surface Elevation (ft): 27.95
Top of Casing Elevation (ft): 27.66
Surveyed Location: X: 1291037.7 Y: 162776.1
Unique Well ID: NA

Log of Boring: FMW-13

Client: Lift Real Estate Partners, LLC
Project: 68th Ave South
Location: Kent, Washington

Farallon PN: 2032-012

Logged By: G.Mckenney

Date/Time Started: 3/5/2021 @ 1305
Date/Time Completed: 3/5/2021 @ 1330
Equipment: Geoprobe 7822
Drilling Company: Holt Services
Drilling Foreman: Trevor
Drilling Method: Direct Push

Sampler Type: 5' Macrocore
Drive Hammer (lbs.): Auto
Depth of Water ATD (ft bgs): 11.0
Total Boring Depth (ft bgs): 20.0
Total Well Depth (ft bgs): 20.0

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	USCS Graphic	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed	Boring/Well Construction Details
0		0.0-5.0': Poorly graded SAND (100% sand), brown, moist, no odor, no staining. Airknife to 5.0' bgs to clear for utilities.	SP				0.3	FMW-13-2.0	X	Concrete
										Bentonite
5		5.0-7.5': Poorly-graded SAND (95% sand, 5% silt), fine sand, brown, moist, no odor, no staining.	SP		0					
		7.5-9.5': SILT (100% silt), gray-brown, moist, no odor, no staining.	ML				0.0	FMW-13-7.5		
		9.5-10.0': No recovery.								Sand Pack
10		10.0-13.0': Silty SAND (80% sand, 20% silt), fine sand, gray, wet, no odor, no staining.	SM		90					
		13.0-15.0': No recovery.					0.0	FMW-13-13.0		
15		15.0-17.5': Silty SAND (80% sand, 20% silt), fine sand, gray, wet, no odor, no staining. Wood debris at lower contact.	SM		60					Water level
		17.5-19.0': SILT (90% silt, 10% sand), fine sand, gray, wet, no odor, no staining. Wood debris throughout.	ML				0.1	FMW-13-17.5		Well Screen
		19.0-20.0': No recovery.								
20					80					

Well Construction Information

Monument Type: Flush mount
Casing Diameter (inches): 2.0
Screen Slot Size (inches): 0.010
Screened Interval (ft bgs): 10.0-20.0

Filter Pack: 12/20 Sand
Surface Seal: Concrete
Annular Seal: Concrete
Boring Abandonment: NA

Ground Surface Elevation (ft): 26.66
Top of Casing Elevation (ft): 26.13
Surveyed Location: X: 1291153.7 Y: 162553.6
Unique Well ID: NA

Log of Boring: FMW-14

Client: Lift Real Estate Partners, LLC
Project: 68th Avenue South
Location: Kent, Washington

Farallon PN: 2032-012

Logged By: G. McKenney

Date/Time Started: 05/19/2021 0900
Date/Time Completed: 05/19/2021 0945
Equipment: Geoprobe 7822
Drilling Company: Holt
Drilling Foreman: Mike
Drilling Method: Direct Push

Sampler Type: 5' Macrocore
Drive Hammer (lbs.): Auto
Depth of Water ATD (ft bgs): 12.5
Total Boring Depth (ft bgs): 20
Total Well Depth (ft bgs): 20

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	USCS Graphic	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed	Boring/Well Construction Details
0		0.0-5.0': Poorly graded SAND (90% sand, 10% gravel), fine sand, brown, moist, no odor, no staining. Air knife to 5' bgs for utilities.	SP							Cement
5		5.0-6.0': Poorly graded SAND with gravel (90% sand, 10% gravel), fine sand, brown, moist, no odor, no staining.	SP		50					Bentonite
		6.0-7.5': Poorly graded SAND with silt (90% sand, 10% silt), fine sand, brown, moist, no odor, no staining.	SP-SM				0.0	FMW-14-6.0	X	
		7.5-10.0': No Recovery.								
10		10.0-11.0': SILT with sand (60% silt, 40% sand), fine sand, brown, moist, no odor, no staining.	ML		60					
		11.0-12.0': Silty SAND (60% sand, 40% silt), fine sand, brown, moist, no odor, no staining.	SM							
		12.0-13.0': SILT with sand (70% silt, 30% sand), fine sand, mottled brown, wet, no odor, no staining.	ML				0.1	FMW-14-12.0	X	Water Level
		13.0-15.0': No Recovery.								Pre-pack Sand
15		15.0-16.0': SILT with sand (90% silt, 10% sand), brown to gray, moist to wet, no odor, no staining.	ML		60					
		16.0-18.0': Silty SAND (65% sand, 35% silt), fine sand, gray, wet, organic odor, no staining.	SM							
		18.0-20.0': No Recovery.					0.1	FMW-14-18.0		
20										

Well Construction Information

Monument Type: Flush Mount
Casing Diameter (inches): 2
Screen Slot Size (inches): 0.010
Screened Interval (ft bgs): 10-20

Filter Pack: Pre-pack
Surface Seal: Cement
Annular Seal: Bentonite
Boring Abandonment: NA

Ground Surface Elevation (ft): 33.02
Top of Casing Elevation (ft): 32.25
Surveyed Location: X: 1290712.9 Y: 163119.5
Unique Well ID: BNN 031

Log of Boring: FMW-15

Client: Lift Real Estate Partners, LLC
Project: 68th Avenue South
Location: Kent, Washington

Farallon PN: 2032-012

Logged By: G. McKenney

Date/Time Started: 05/19/2021 1135
Date/Time Completed: 05/19/2021 1240
Equipment: Geoprobe 7822
Drilling Company: Holt
Drilling Foreman: Mike
Drilling Method: Direct Push

Sampler Type: 5' Macrocore
Drive Hammer (lbs.): Auto
Depth of Water ATD (ft bgs): 10.5
Total Boring Depth (ft bgs): 20
Total Well Depth (ft bgs): 20

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	USCS Graphic	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed	Boring/Well Construction Details
0		0.0-5.0': Air knife to 5' bgs for utilities.								Cement
5		5.0-7.0': SILT with sand (70% silt, 30% sand), fine sand, mottled brown, moist, no odor, no staining.	ML		60		0.2	FMW-15-5.0	X	Bentonite
		7.0-8.0': Poorly graded SAND (100% sand), fine sand, brown, moist, no odor, no staining.	SP							
		8.0-10.0': No Recovery.								
10		10.0-10.5': Poorly graded SAND (100% sand), fine sand, brown, moist, no odor, no staining.	SP		80		0.2	FMW-15-10.0	X	▼ Water Level
		10.5-12.0': SILT with sand (70% silt, 30% sand), fine sand, mottled brown, moist to wet, no odor, no staining.	ML							
		12.0-14.0': Poorly graded SAND with silt (90% sand, 10% silt), fine sand, brown, wet, no odor, no staining.	SP-SM							Pre-pack Sand
		14.0-15.0': No Recovery.					0.1	FMW-15-14.0		
15		15.0-20.0': Poorly graded SAND with silt (90% sand, 10% silt), fine sand, gray, wet, no odor, no staining. Wood debris at 19' bgs.	SP-SM		100					
20							0.1	FMW-15-20.0		

Well Construction Information

Monument Type: Flush Mount
Casing Diameter (inches): 2
Screen Slot Size (inches): 0.010
Screened Interval (ft bgs): 10-20
Filter Pack: Pre-pack
Surface Seal: Cement
Annular Seal: Bentonite
Boring Abandonment: NA
Ground Surface Elevation (ft): 26.78
Top of Casing Elevation (ft): 26.25
Surveyed Location: X: 1291219.1 Y: 162901.4
Unique Well ID: BNN 032

FARALLON CONSULTING

Log of Boring: SVE-1

Client: Lift Real Estate Partners, LLC
Project: 68th Ave South
Location: Kent, Washington

Farallon PN: 2032-012

Logged By: G.Mckenney

Date/Time Started: 3/4/2021 @ 1145
Date/Time Completed: 3/3/2021 @ 1205
Equipment: Geoprobe 7822
Drilling Company: Holt Services
Drilling Foreman: Louie
Drilling Method: Direct Push

Sampler Type: 5' Macrocore
Drive Hammer (lbs.): Auto
Depth of Water ATD (ft bgs): 11.0
Total Boring Depth (ft bgs): 20.0
Total Well Depth (ft bgs): 20.0

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	USCS Graphic	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed	Boring/Well Construction Details
0		0.0-0.42': Concrete.	CO							Concrete
		0.42-5.0': Poorly-graded SAND (100% sand). Airknife to 5.0' to clear for utilities.	SP				0.1	SVE-1-2.0		Bentonite Seal
5		5.0-7.0': SILT (95% silt, 5% sand), gray-brown, mottled, moist, no odor, no staining	ML		40		0.1	SVE-1-5.0	X	Sand Pack
		7.0-10.0': No recovery.								Well Screen
10		10.0-10.5': Silty SAND (85% sand, 15% silt), fine sand, gray-brown, wet, no odor, no staining.	SM		90		0.0	SVE-1-10.0		Water level
		10.5-14.5': Poorly-graded SAND (95% sand, 5% silt), very fine sand, gray-brown, wet, no odor, orange staining.	SP							
		14.5-15.0': No recovery.								
15		15.0-17.0': Poorly-graded SAND (95% sand, 5% silt), very fine sand, gray-brown, wet, no odor, orange staining. Wood debris observed @ 16.0' bgs.	SP		100					
		17.0-19.0': SILT (95% silt, 5% sand), fine sand, gray, wet, no odor, no staining.	ML				0.0	SVE-1-17.0		Sand Pack
		19.0-20.0': Silty SAND (85% sand, 15% silt), fine sand, gray, wet, no odor, no staining.	SM							Bentonite
20							0.1	SVE-1-20.0	X	

Well Construction Information

Monument Type: Flush Mount
Casing Diameter (inches): 2.0
Screen Slot Size (inches): 0.010
Screened Interval (ft bgs): 3.0-18.0

Filter Pack: Sand pack
Surface Seal: Concrete
Annular Seal: Cement
Boring Abandonment: NA

Ground Surface Elevation (ft): 27.41
Top of Casing Elevation (ft): 27.06
Surveyed Location: X: 1290813.8 Y: 162615.1
Unique Well ID: NA

FARALLON CONSULTING

Log of Boring: AS-1

Client: Lift Real Estate Partners, LLC
Project: 68th Ave South
Location: Kent, Washington

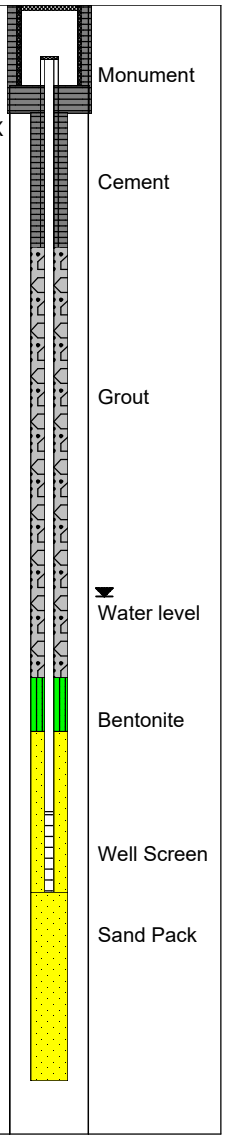
Farallon PN: 2032-012

Logged By: G.Mckenney

Date/Time Started: 3/4/2021 @ 1100
Date/Time Completed: 3/3/2021 @ 1130
Equipment: Geoprobe 7822
Drilling Company: Holt Services
Drilling Foreman: Louie
Drilling Method: Direct Push/Hollow Stem Auger

Sampler Type: 5' Macrocore
Drive Hammer (lbs.): Auto
Depth of Water ATD (ft bgs): 11.0
Total Boring Depth (ft bgs): 20.0
Total Well Depth (ft bgs): 20.0

Depth (feet bgs.)	Lithologic Description	USCS	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed
0	0.0-0.42': Concrete.	CO					
	0.42-5.0': Poorly-graded SAND (100% sand). Airknife to 5.0' to clear for utilities.	SP			0.0	AS-1-2.0	X
5	5.5-5.5': Poorly-graded SAND with gravel (90% sand, 10% gravel), fine sand, fine gravel, moist, no odor, no staining.	SP	40		0.0	AS-1-5.0	
	5.5-7.0': SILT (100% Silt), gray, moist, no odor, no staining.	ML					
	7.0-10.0': No recovery.						
10	10.0-14.0': Silty SAND (70% sand, 30% silt), fine sand, gray-brown, wet, no odor, no staining.	SM	80		0.1	AS-1-10.0	
	14.0-15.0': No recovery.						
15	15.0-17.5': Silty SAND (70% sand, 30% silt), fine sand, gray, wet, no odor, no staining. Wood debrisat the bottom.	SM	100		0.2	AS-1-16.0	
	17.5-20.0': SILT (95% silt, 5% sand), fine sand, gray, wet, no odor, no staining.	ML					
20						AS-1-20.0	



Well Construction Information

Monument Type: Flush Mount
Casing Diameter (inches): 2.0
Screen Slot Size (inches): 0.020
Screened Interval (ft bgs): 15.0-16.5

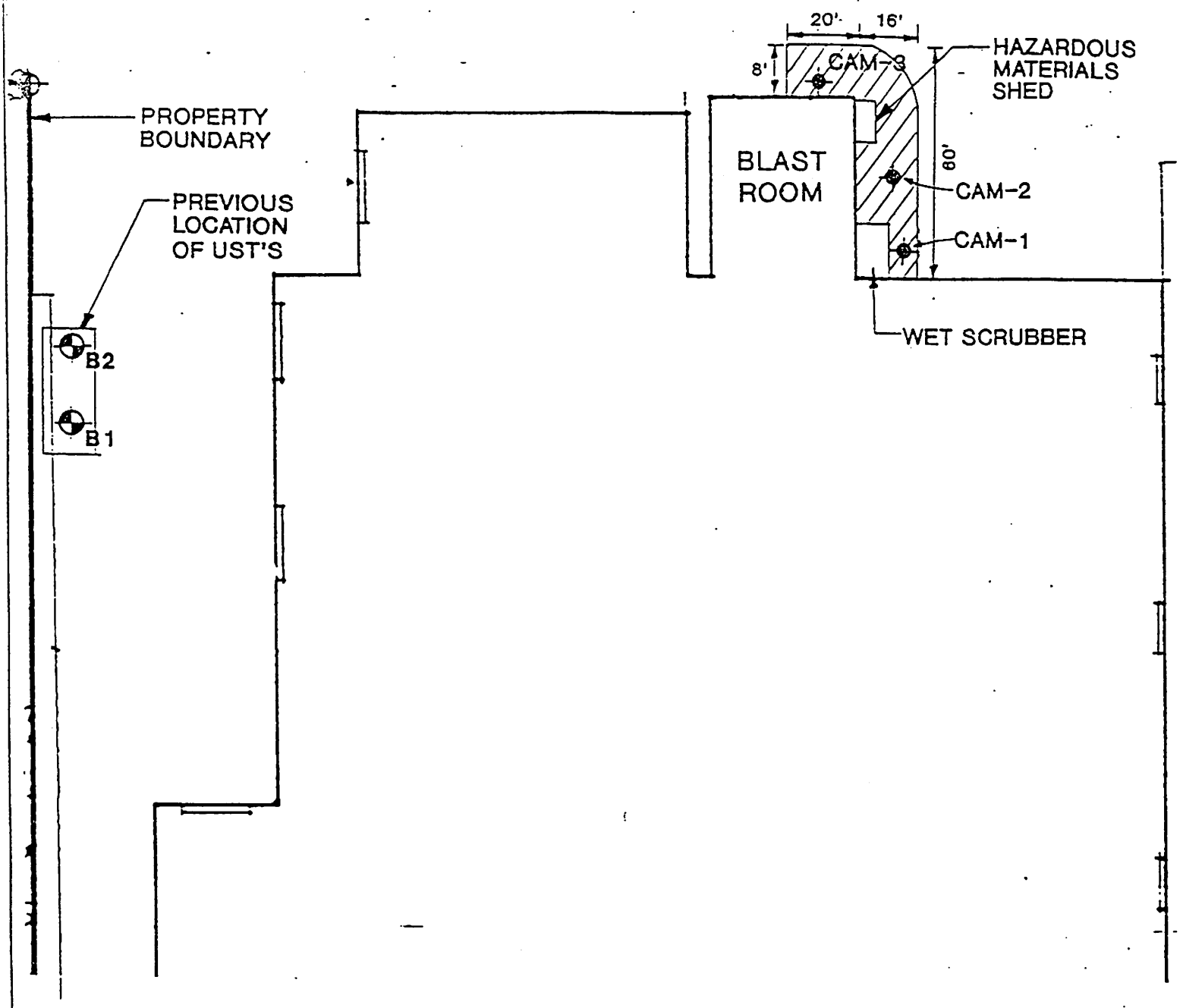
Filter Pack: Sand pack
Surface Seal: Concrete
Annular Seal: Cement
Boring Abandonment: NA

Ground Surface Elevation (ft): NA
Top of Casing Elevation (ft): NA
Surveyed Location: **X:** NA **Y:** NA
Unique Well ID: NA

APPENDIX C
PREVIOUS ENVIRONMENTAL INVESTIGATION TABLES AND FIGURES

REMEDIAL INVESTIGATION AND
FEASIBILITY STUDY REPORT
18420 68th Avenue South
Kent, Washington

Farallon PN: 2032-012



LEGEND

B1 BORING LOCATION

HAND SAMPLING LOCATION

AREA OF HEAVILY STAINED SOIL

N

0 20 40 FEET

Approximate Scale

Harding Lawson Associates
Engineering and Environmental Services

Figure 1

BORING LOCATION PLAN

18250 68TH AVENUE SOUTH
KENT, WASHINGTON

TABLE 1 - SUMMARY OF ANALYTICAL RESULTS

ANALYTE	UNITS	CAH-1S (0-3")	CAH-1D (6-9")	CAH-2S (0-3")	CAH-2D (6-9")	CAH-3S (0-3")	CAH-3D (6-9")	B1 (10-11.5')	B2 (10-11.5')	Proposed MTCA Clean up Level for Industrial Sites
Methylene Chloride	ppb	3J	ND	4J	1J	ND	ND	NA	NA	500
Acetone	ppb	6BJ	4JB	5JB	ND	8JB	11B	NA	NA	--
Chloroform	ppb	ND	ND	ND	5J	ND	ND	NA	NA	--
2-Butanone	ppb	ND	ND	ND	ND	ND	2J	NA	NA	--
Benzene	ppb	3J	ND	1J	ND	2J	ND	ND	ND	500
Ethylbenzene	ppb	ND	ND	ND	ND	1J	ND	ND	ND	20,000
Toluene	ppb	18	3J	6	3J	3J	4J	5J	ND	40,000
Xylenes (total)	ppb	17	4J	5J	3J	6	5J	7	ND	20,000
Barium	ppm	4720	45.1	1,650	245	370	259	NA	NA	--
Cadmium	ppm	ND	ND	ND	ND	ND	ND	NA	NA	10
Chromium	ppm	1,640	61.6	1,280	223	1,170	39.3	NA	NA	500
Copper	ppm	1,000	122	615	213	746	667	NA	NA	--
Lead	ppm	4,160	73.7	3,210	680	1,000	686	NA	NA	1,000
Nickel	ppm	567	48.3	482	116	935	32.7	NA	NA	--
Zinc	ppm	19,700	241	14,700	1,550	446	2,260	NA	NA	--
TPH	ppm	NA	NA	NA	NA	NA	NA	ND	580	200

Notes:

ppb - parts per billion (ug/kg)

ppm - parts per million (mg/kg)

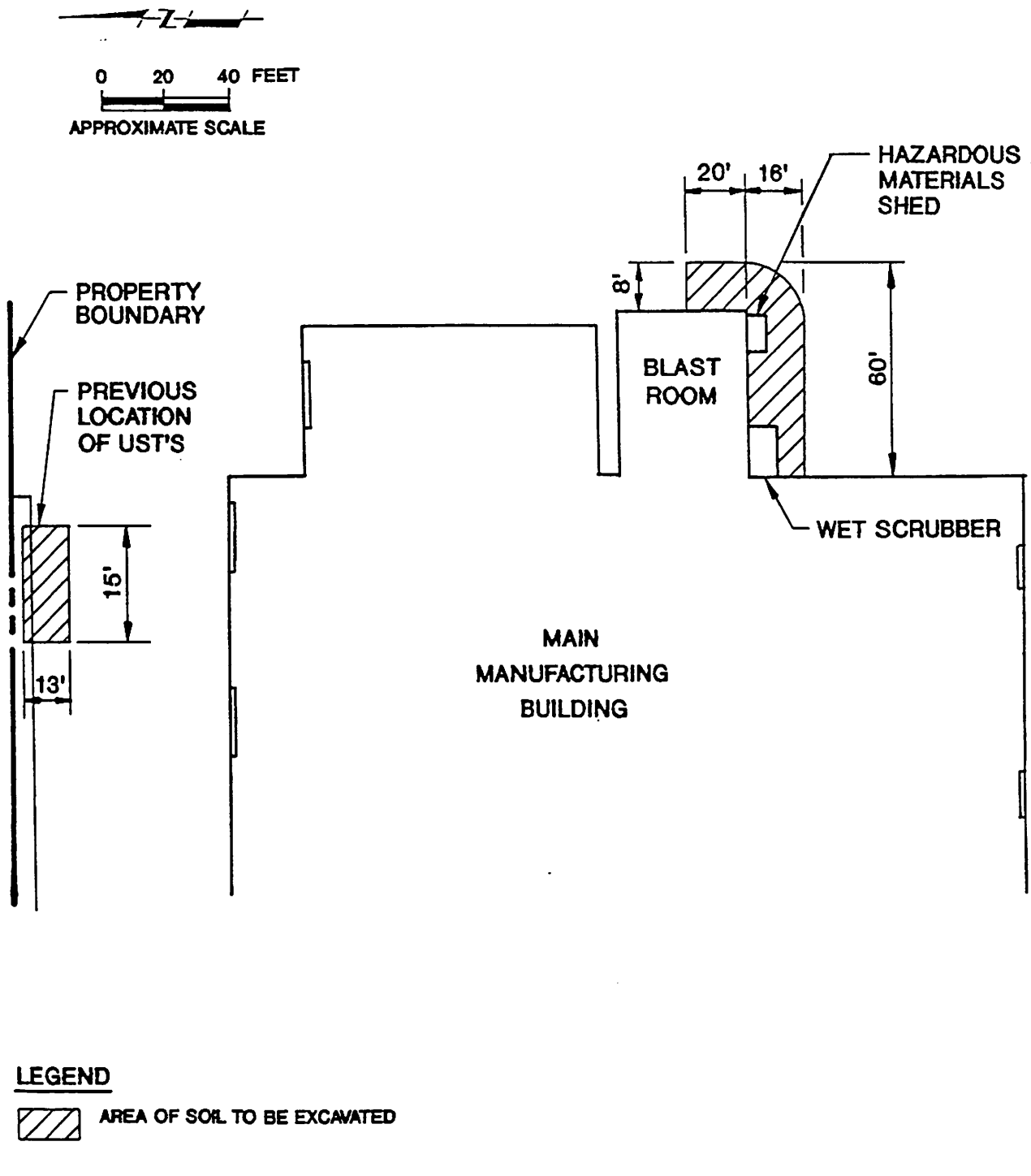
B - Indicates compound was found in the associated laboratory blank as well as the sample.

J - Indicates estimated value. Presence of compound meets laboratory identification criteria but is less than the sample quantitation limit but greater than zero.

NA - Compund not analyzed.

ND - Not detected.

-- - Proposed MTCA clean up level not available.



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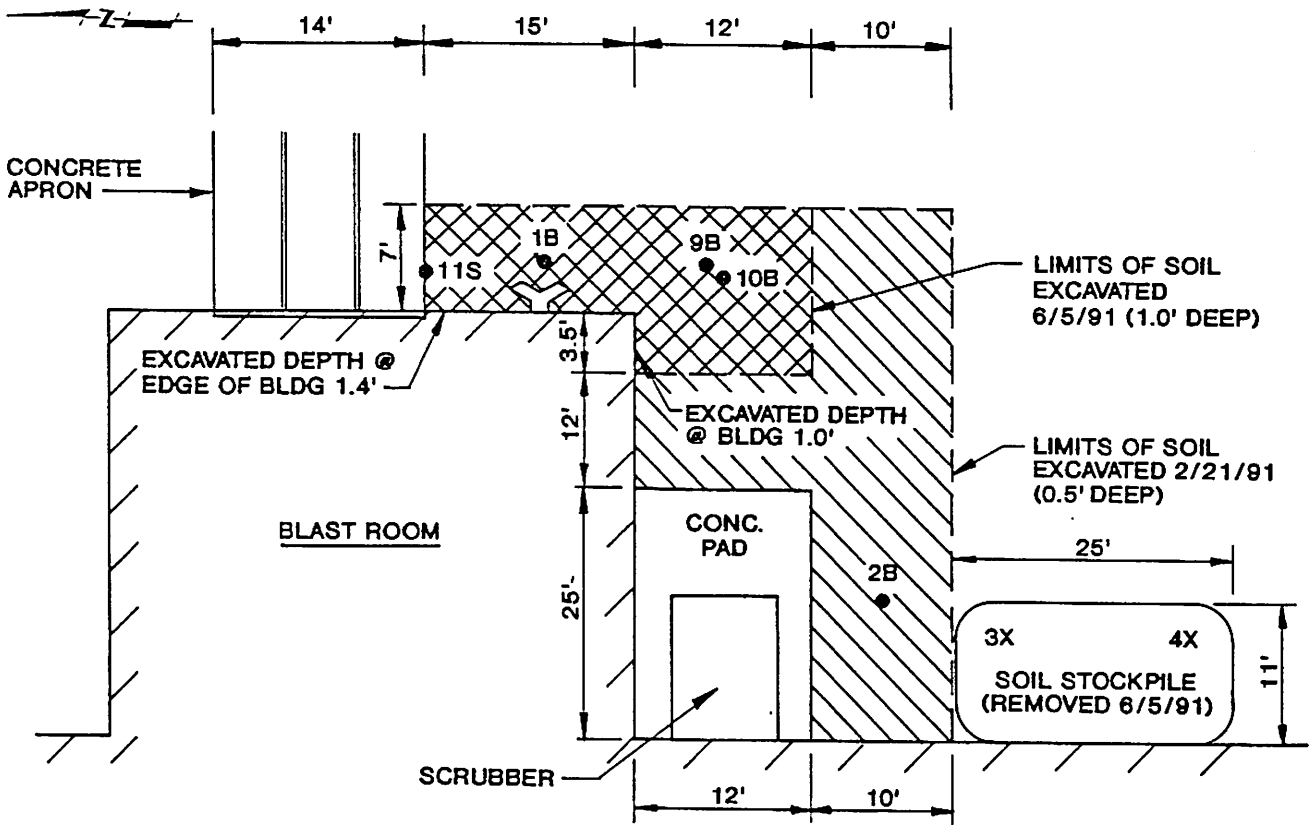
Engineering and Environmental Services

PLANNED SOIL EXCAVATION AREAS

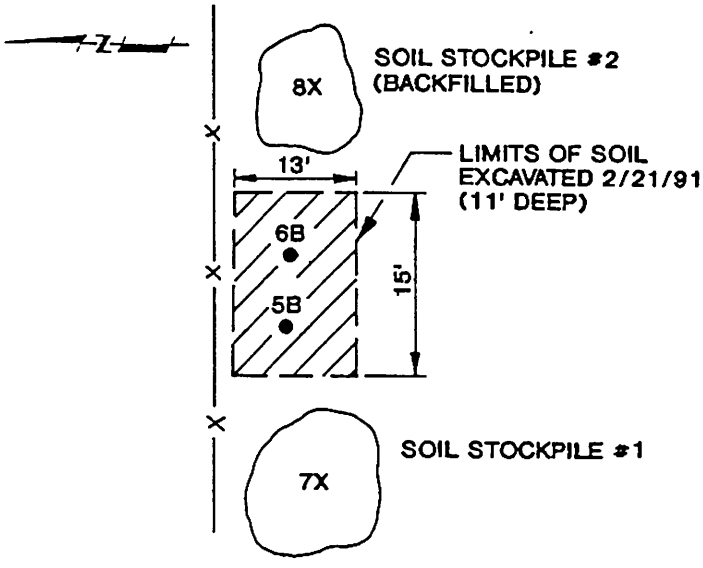
18250 68TH AVENUE SOUTH
KENT, WASHINGTON

FIGURE **2**

DRAWN	JOB NUMBER	APPROVED	DATE	REVISED DATE
PS	20184.003.09		7/91	



SCRUBBER AREA



FORMER UST LOCATION

LEGEND

● SAMPLING LOCATION

2B SOIL SAMPLE ID No.

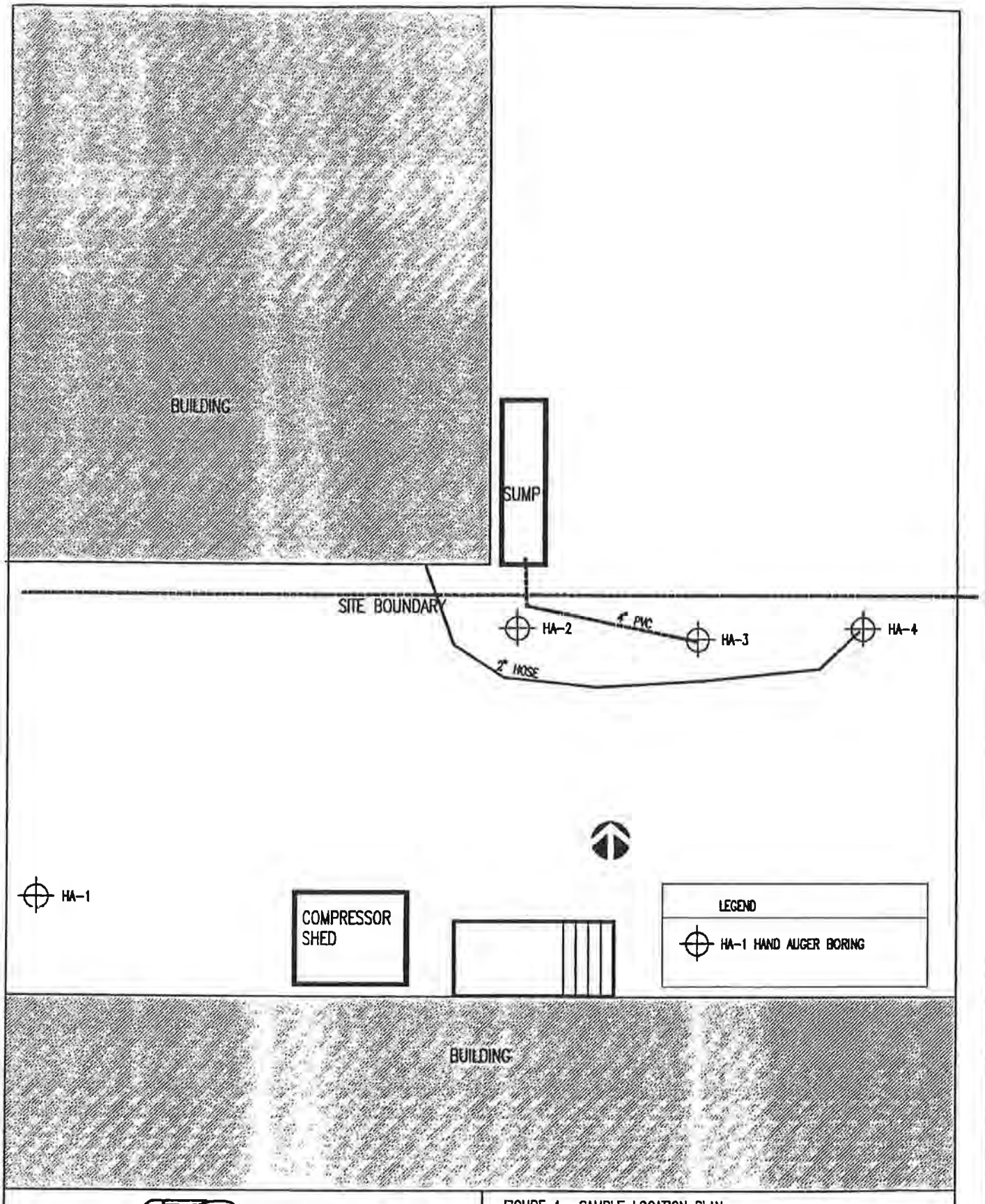
Harding Lawson Associates
Engineering and Environmental Services

SOIL EXCAVATION & SAMPLING LOCATIONS

KENT, WASHINGTON

FIGURE 3

DRAWN	JOB NUMBER	APPROVED	DATE	REVISED DATE
PS	20184,003.09		7/91	



ATC ENVIRONMENTAL INC.
Solutions For Environmental Concerns
6347 Seaview Ave. NW
Seattle, WA 98107
(206)781-1449 FAX(206)781-1543

FIGURE 1- SAMPLE LOCATION PLAN
SUBSURFACE INVESTIGATION
CLIENT: EQUITABLE REAL ESTATE INVESTMENT MANAGEMENT INC.
SITE: WEST VALLEY BUSINESS PARK
KENT, WASHINGTON
ATC PROJECT NO. : 87076.0805

TABLE 1. ANALYTICAL RESULTS - TOTAL PETROLEUM HYDROCARBON IDENTIFICATION

Sample No. (Depth)	Gasoline	Diesel	Oil
HA-1-2.0 (2 feet BGS)	None detected	None detected	None detected
HA-2-2.0 (2 feet BGS)	None detected	**Detected**	**Detected**
HA-3-2.0 (2 feet BGS)	None detected	**Detected**	**Detected**
HA-4-2.0 (2 feet BGS)	None detected	None detected	None detected
Laboratory Method Reporting Limit (MRL) in parts per million (ppm)	20	50	100
MTCA Method A Cleanup Level in parts per million (ppm)	100	200	200

TABLE 2. ANALYTICAL RESULTS - TOTAL PETROLEUM HYDROCARBONS - DIESEL AND OIL (in parts per million)

Sample No. (Depth)	Diesel	Oil
HA-2-2.0 (2 feet BGS)	5,190	4,590
HA-2-4.0 (4 feet BGS)	321	300
HA-3-2.0 (2 feet BGS)	240	330
HA-3-4.0 (4 feet BGS)	146	160
Laboratory Method Reporting Limit (MRL)	25	100
MTCA Method A Cleanup Level	200	200

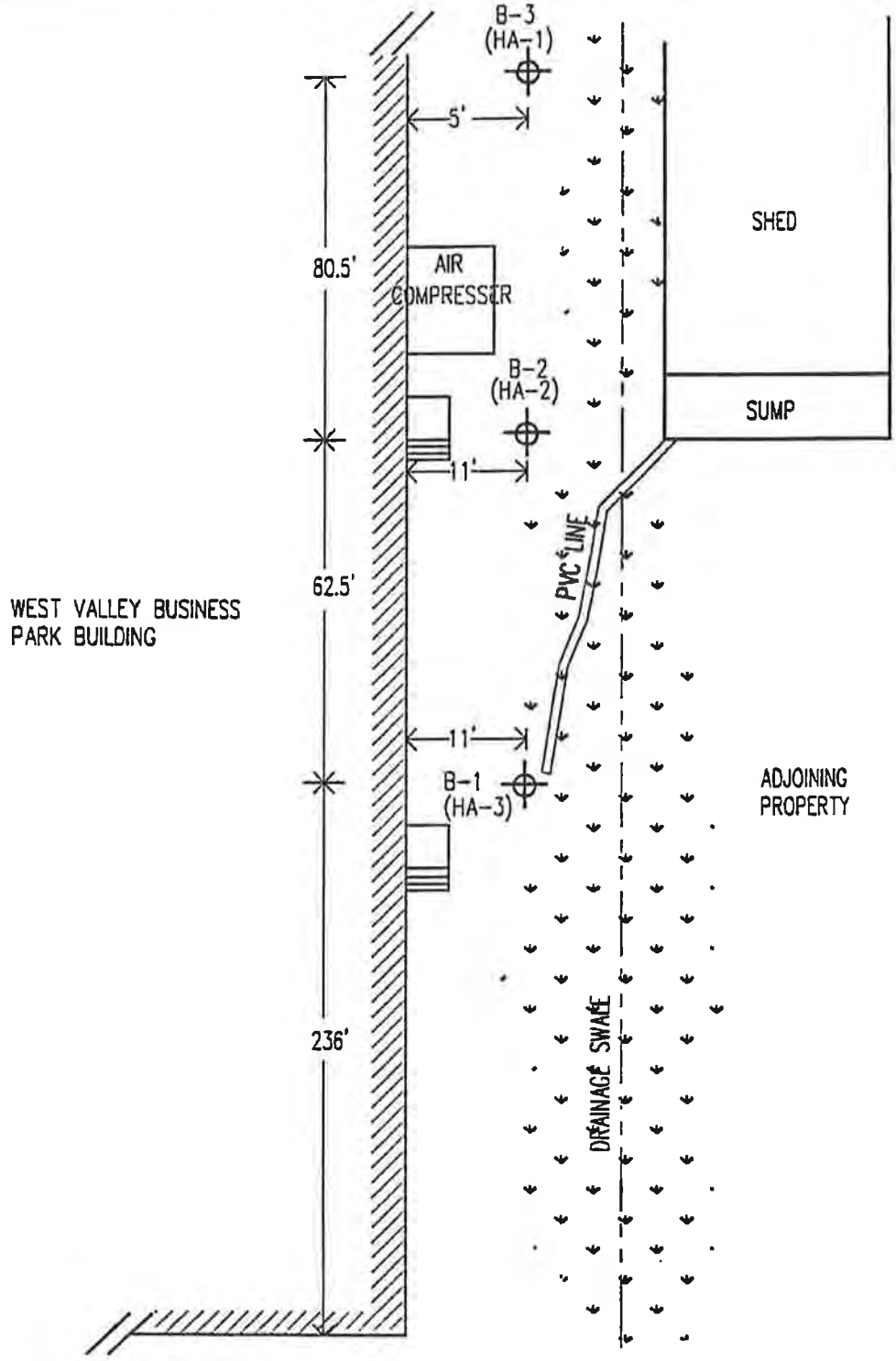
TABLE 3 ANALYTICAL RESULTS - RCRA METALS (in parts per million)

Sample No. (Depth)	HA-1-2.0 (2 feet BGS)	HA-2-2.0 (2 feet BGS)	HA-3-2.0 (2 feet BGS)	HA-4-2.0 (2 feet BGS)	MTCA Method A Cleanup Level
Arsenic	none detected	16	none detected	none detected	20
Barium	40	74	55	53	5,600*
Cadmium	none detected	none detected	none detected	none detected	2
Chromium	20	34	24	23	100
Lead	none detected	110	26	none detected	250
Mercury	none detected	none detected	0.4	none detected	1
Selenium	none detected	none detected	none detected	none detected	400*
Silver	none detected	140	4	none detected	400*

* MTCA Method B Cleanup Level

TABLE 4. ANALYTICAL RESULTS - VOLATILE ORGANIC COMPOUNDS (in parts per billion)

Sample No. (Depth)	Result
HA-1-2.0 (2 feet BGS)	none detected
HA-2-2.0 (2 feet BGS)	none detected
HA-3-2.0 (2 feet BGS)	Methylene Chloride - 22 ppb
HA-4-2.0 (2 feet BGS)	Acetone - 61 ppb
MTCA Method A Cleanup Level - methylene chloride	500 ppb
MTCA Method B Cleanup Level - Acetone	8,000,000 ppb



NOTE: HA-4 NOT SHOWN ON THIS PLAN

DRAWING NO. 1 SITE PLAN	DRAWN BY: DMV CHECKED BY: NRG DATE: 2/3/97 PROJECT NO. 87076.0806	NORTH	CLIENT: WEST VALLEY BUSINESS CENTER / EQUITABLE PROJECT: GROUNDWATER INVESTIGATION WEST VALLEY BUSINESS PARK KENT, WASHINGTON PROJECT NO. :87076.0806	ATC ENVIRONMENTAL, INC. Solutions For Environmental Concerns 6347 Seaview Ave. NW Seattle, WA 98107 (206)781-1449 FAX(206)781-1543

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	ATC Environmental	**Service Request:**	B9700031
Project:	West Valley Business Park/87076.0806	**Date Collected:**	1/24/97
Sample Matrix:	water	**Date Received:**	1/24/97
		Date Extracted:	1/28/97
		Date Analyzed:	1/29/97

Total Petroleum Hydrocarbon as Diesel and Oil
Washington DOE Method WTPH-D
Units: µg/L (ppb)

Analyte:	Diesel	Oil*
Method Reporting Limit:	250	750

Sample Name	Lab Code		
✓12497-1	B9700031-001	520(a)	1290
✓12497-2	B9700031-002	550(b)	ND
✓12497-3	B9700031-003	250(a)	ND
Method Blank	B9700031-WB	ND	ND

* Quantified using 30 weight motor oil as a standard.
(a) This result is primarily due to the beginning of oil, which elutes in the diesel region.
(b) Quantified as diesel. The sample contained components that eluted in the diesel range, but the chromatogram did not match the typical diesel fingerprint.

Approved By: Lit. Elliott Date: 2/6/97

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	ATC Environmental, Inc.	**Service Request:**	K9700483
Project:	West Valley Business Park-Kent/ #87076.0806	**Date Collected:**	1/24/97
Sample Matrix:	Water	**Date Received:**	1/27/97
		Date Extracted:	NA

Volatile Organic Compounds
EPA Method 8260A
Units: µg/L (ppb)

		Sample Name:	12497-1	12497-2	12497-3
		Lab Code:	K9700483-001	K9700483-002	K9700483-003
		Date Analyzed:	1/27/97	1/28/97	1/28/97
Analyte	**MRL**				
Dichlorodifluoromethane (CFC 12)	0.5		ND	ND	ND
Chloromethane	0.5		1.8	0.5	0.8
Vinyl Chloride	0.5		ND	ND	ND
Bromomethane	0.5		ND	ND	ND
Chloroethane	0.5		ND	ND	ND
Trichlorofluoromethane (CFC 11)	0.5		ND	ND	ND
Acetone	20		ND	ND	ND
1,1-Dichloroethene	0.5		ND	ND	ND
Carbon Disulfide	0.5		0.5	ND	ND
Methylene Chloride	1		ND	ND	ND
trans-1,2-Dichloroethene	0.5		ND	ND	ND
1,1-Dichloroethane	0.5		ND	ND	ND
2-Butanone (MEK)	20		ND	37	ND
2,2-Dichloropropane	0.5		ND	ND	ND
cis-1,2-Dichloroethene	0.5		ND	0.6	ND
Chloroform	0.5		ND	ND	ND
Bromochloromethane	0.5		ND	ND	ND
1,1,1-Trichloroethane (TCA)	0.5		ND	ND	ND
1,1-Dichloropropene	0.5		ND	ND	ND
Carbon Tetrachloride	0.5		ND	ND	ND
1,2-Dichloroethane	0.5		ND	ND	ND
Benzene	0.5		ND	ND	ND
Trichloroethene (TCE)	0.5		0.5	3.0	0.6
1,2-Dichloropropane	0.5		ND	ND	ND
Bromodichloromethane	0.5		ND	ND	ND
Dibromomethane	0.5		ND	ND	ND
2-Hexanone	20		ND	ND	ND
cis-1,3-Dichloropropene	0.5		ND	ND	ND
Toluene	0.5		0.7	ND	ND
trans-1,3-Dichloropropene	0.5		ND	ND	ND
1,1,2-Trichloroethane	0.5		ND	ND	ND
4-Methyl-2-pentanone (MIBK)	20		ND	ND	ND
1,3-Dichloropropane	0.5		ND	ND	ND

Approved By: _____ Date: 1/29/97

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	ATC Environmental, Inc.	**Service Request:**	K9700483
Project:	West Valley Business Park-Kent/ #87076.0806	**Date Collected:**	1/24/97
Sample Matrix:	Water	**Date Received:**	1/27/97
		Date Extracted:	NA

Volatile Organic Compounds
EPA Method 8260A
Units: µg/L (ppb)

		Sample Name:	12497-1	12497-2	12497-3
		Lab Code:	K9700483-001	K9700483-002	K9700483-003
		Date Analyzed:	1/27/97	1/28/97	1/28/97
Analyte	**MRL**				
Tetrachloroethene (PCE)	0.5		ND	0.9	1.0
Dibromochloromethane	0.5		ND	ND	ND
1,2-Dibromoethane (EDB)	2		ND	ND	ND
Chlorobenzene	0.5		ND	ND	ND
1,1,1,2-Tetrachloroethane	0.5		ND	ND	ND
Ethylbenzene	0.5		2.7	ND	ND
Total Xylenes	0.5		15	ND	ND
Styrene	0.5		ND	ND	ND
Bromoform	0.5		ND	ND	ND
Isopropylbenzene	2		ND	ND	ND
1,1,2,2-Tetrachloroethane	0.5		ND	ND	ND
1,2,3-Trichloropropane	0.5		ND	ND	ND
Bromobenzene	0.5		ND	ND	ND
n-Propylbenzene	2		ND	ND	ND
2-Chlorotoluene	2		ND	ND	ND
4-Chlorotoluene	2		ND	ND	ND
1,3,5-Trimethylbenzene	2		ND	ND	ND
tert-Butylbenzene	2		ND	ND	ND
1,2,4-Trimethylbenzene	2		ND	ND	ND
sec-Butylbenzene	2		ND	ND	ND
1,3-Dichlorobenzene	0.5		ND	ND	ND
4-Isopropyltoluene	2		ND	ND	ND
1,4-Dichlorobenzene	0.5		ND	ND	ND
n-Butylbenzene	2		ND	ND	ND
1,2-Dichlorobenzene	0.5		ND	ND	ND
1,2-Dibromo-3-chloropropane (DBCP)	2		ND	ND	ND
1,2,4-Trichlorobenzene	2		ND	ND	ND
1,2,3-Trichlorobenzene	2		ND	ND	ND
Naphthalene	2		ND	ND	ND
Hexachlorobutadiene	2		ND	ND	ND

Approved By: _____ Date: 1/29/97

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: ATC Environmental, Inc.
Project: West Valley Business Park-Kent/ #87076.0806
Sample Matrix: Water

Service Request: K9700483
Date Collected: NA
Date Received: NA
Date Extracted: NA

Volatile Organic Compounds
EPA Method 8260A
Units: µg/L (ppb)

	Sample Name:	Method Blank
	Lab Code:	K970127-MB
	Date Analyzed:	1/27/97
Analyte	**MRL**	
Dichlorodifluoromethane (CFC 12)	0.5	ND
Chloromethane	0.5	ND
Vinyl Chloride	0.5	ND
Bromomethane	0.5	ND
Chloroethane	0.5	ND
Trichlorofluoromethane (CFC 11)	0.5	ND
Acetone	20	ND
1,1-Dichloroethene	0.5	ND
Carbon Disulfide	0.5	ND
Methylene Chloride	1	ND
trans-1,2-Dichloroethene	0.5	ND
1,1-Dichloroethane	0.5	ND
2-Butanone (MEK)	20	ND
2,2-Dichloropropane	0.5	ND
cis-1,2-Dichloroethene	0.5	ND
Chloroform	0.5	ND
Bromochloromethane	0.5	ND
1,1,1-Trichloroethane (TCA)	0.5	ND
1,1-Dichloropropene	0.5	ND
Carbon Tetrachloride	0.5	ND
1,2-Dichloroethane	0.5	ND
Benzene	0.5	ND
Trichloroethene (TCE)	0.5	ND
1,2-Dichloropropane	0.5	ND
Bromodichloromethane	0.5	ND
Dibromomethane	0.5	ND
2-Hexanone	20	ND
cis-1,3-Dichloropropene	0.5	ND
Toluene	0.5	ND
trans-1,3-Dichloropropene	0.5	ND
1,1,2-Trichloroethane	0.5	ND
4-Methyl-2-pentanone (MIBK)	20	ND
1,3-Dichloropropane	0.5	ND

Approved By: _____ Date: 1/29/97

COLUMBIA ANALYTICAL SERVICES, INC.

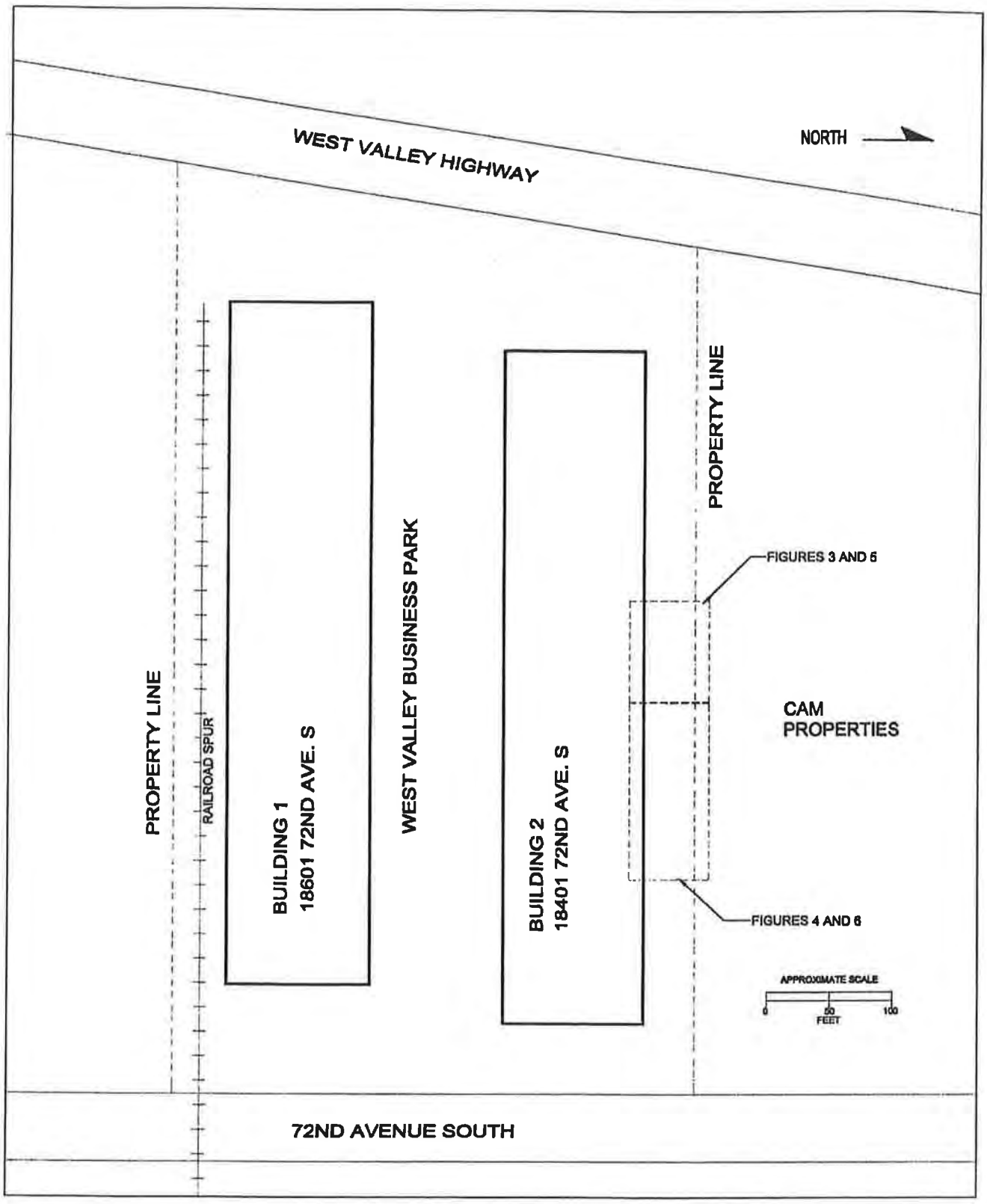
Analytical Report

Client:	ATC Environmental, Inc.	**Service Request:**	K9700483
Project:	West Valley Business Park-Kent/ #87076.0806	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
		Date Extracted:	NA

Volatile Organic Compounds
EPA Method 8260A
Units: µg/L (ppb)

		Sample Name:	**Method Blank**
		Lab Code:	K970127-MB
		Date Analyzed:	1/27/97
Analyte	**MRL**		
Tetrachloroethene (PCE)	0.5		ND
Dibromochloromethane	0.5		ND
1,2-Dibromoethane (EDB)	2		ND
Chlorobenzene	0.5		ND
1,1,1,2-Tetrachloroethane	0.5		ND
Ethylbenzene	0.5		ND
Total Xylenes	0.5		ND
Styrene	0.5		ND
Bromoform	0.5		ND
Isopropylbenzene	2		ND
1,1,2,2-Tetrachloroethane	0.5		ND
1,2,3-Trichloropropane	0.5		ND
Bromobenzene	0.5		ND
n-Propylbenzene	2		ND
2-Chlorotoluene	2		ND
4-Chlorotoluene	2		ND
1,3,5-Trimethylbenzene	2		ND
tert-Butylbenzene	2		ND
1,2,4-Trimethylbenzene	2		ND
sec-Butylbenzene	2		ND
1,3-Dichlorobenzene	0.5		ND
4-Isopropyltoluene	2		ND
1,4-Dichlorobenzene	0.5		ND
n-Butylbenzene	2		ND
1,2-Dichlorobenzene	0.5		ND
1,2-Dibromo-3-chloropropane (DBCP)	2		ND
1,2,4-Trichlorobenzene	2		ND
1,2,3-Trichlorobenzene	2		ND
Naphthalene	2		ND
Hexachlorobutadiene	2		ND

Approved By: _____ Date: 1/29/97



ATC ASSOCIATES INC.
6347 SEAVIEW AVE. NW
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206.781.1449
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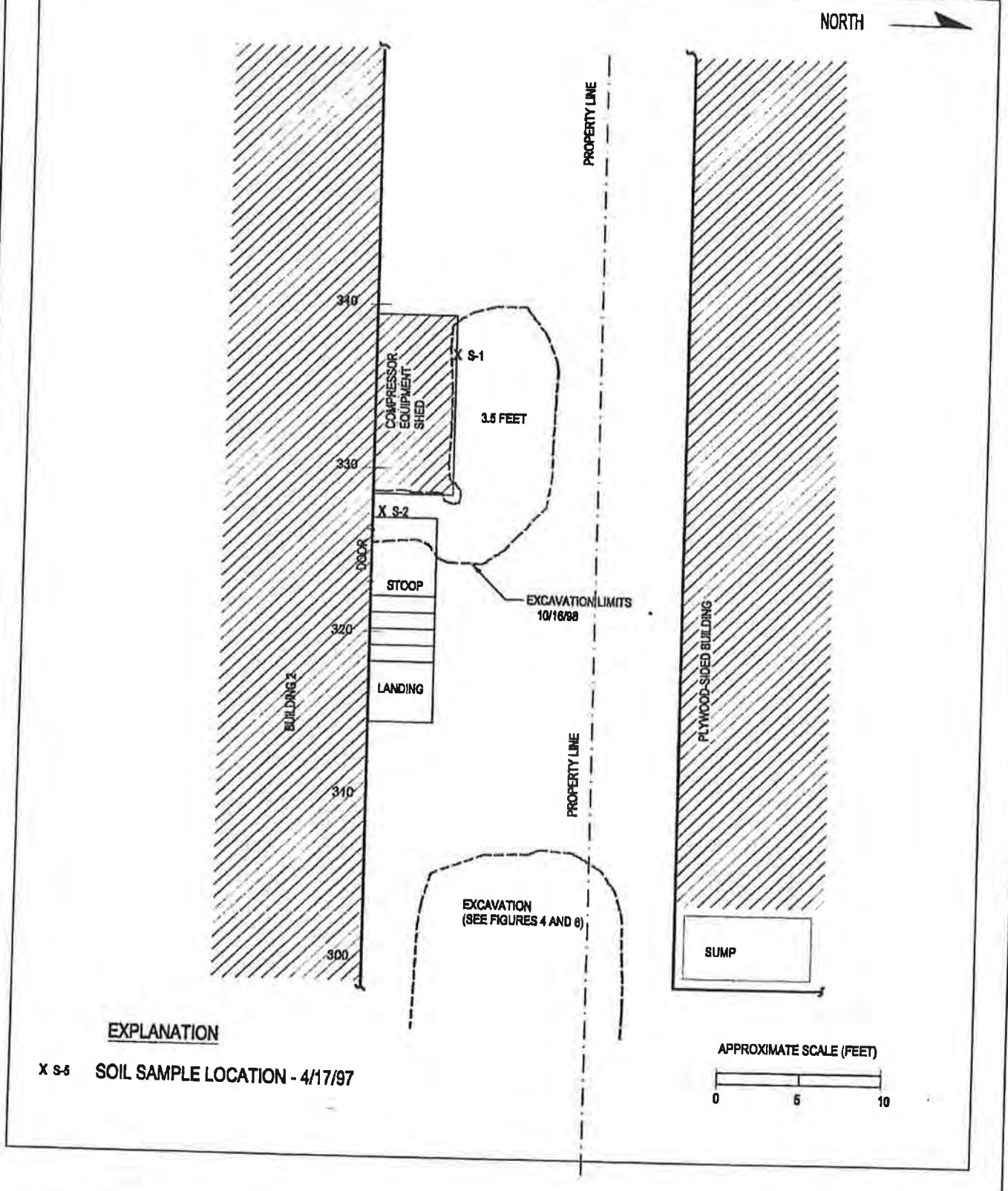
PROJECT: INDEPENDENT REMEDIAL ACTION
PETROLEUM CONTAMINATED SOIL REMEDIATION
WEST VALLEY BUSINESS PARK
KENT, WASHINGTON
CLIENT: LEND LEASE REAL ESTATE INVESTMENTS
ATC Project Number 87076.0808

FIGURE 2

SITE PLAN



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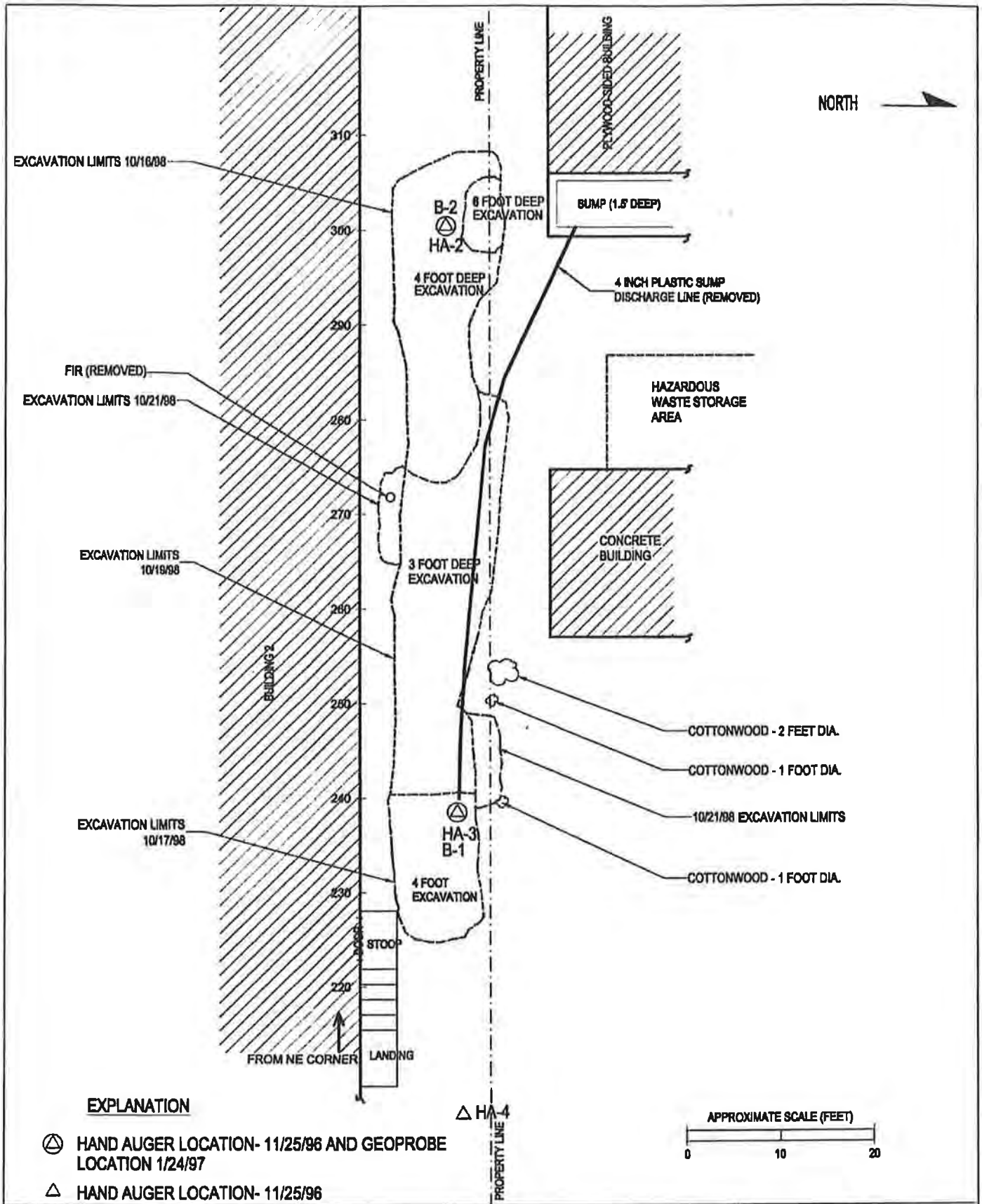
PROJECT: INDEPENDENT REMEDIAL ACTION
PETROLEUM CONTAMINATED SOIL REMEDIATION
WEST VALLEY BUSINESS PARK
KENT, WASHINGTON
CLIENT: LEND LEASE REAL ESTATE INVESTMENTS
ATC Project Number 87076.0808

FIGURE 3
SAMPLE LOCATION PLAN - COMPRESSOR AREA - 4/17/97



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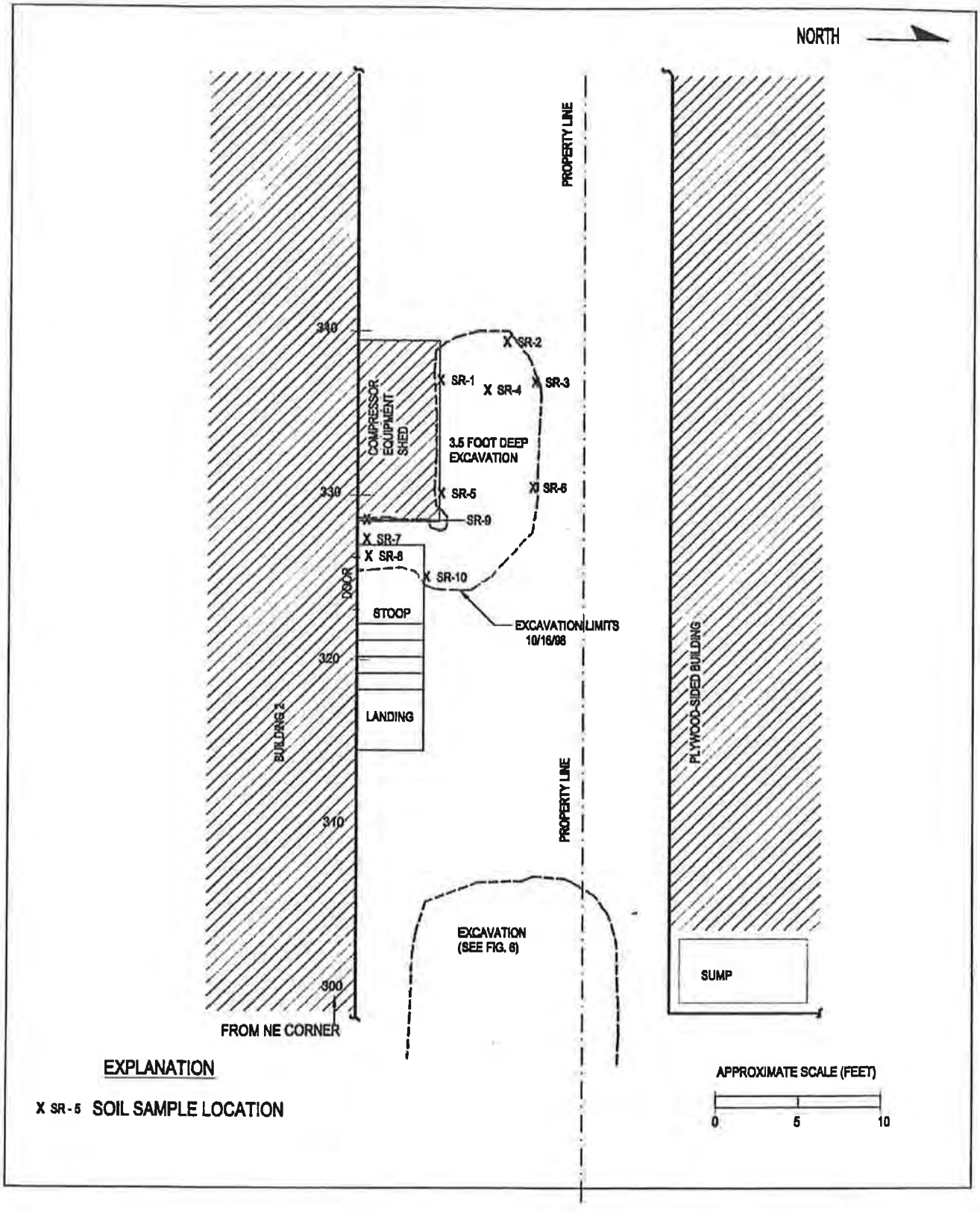
PROJECT: INDEPENDENT REMEDIAL ACTION
PETROLEUM CONTAMINATED SOIL REMEDIATION
WEST VALLEY BUSINESS PARK
KENT, WASHINGTON
CLIENT: LEND LEASE REAL ESTATE INVESTMENTS
ATC Project Number 87076.0808

FIGURE 4
SAMPLE LOCATION PLAN- EASTERN AREA
11/25/96 AND 1/24/97



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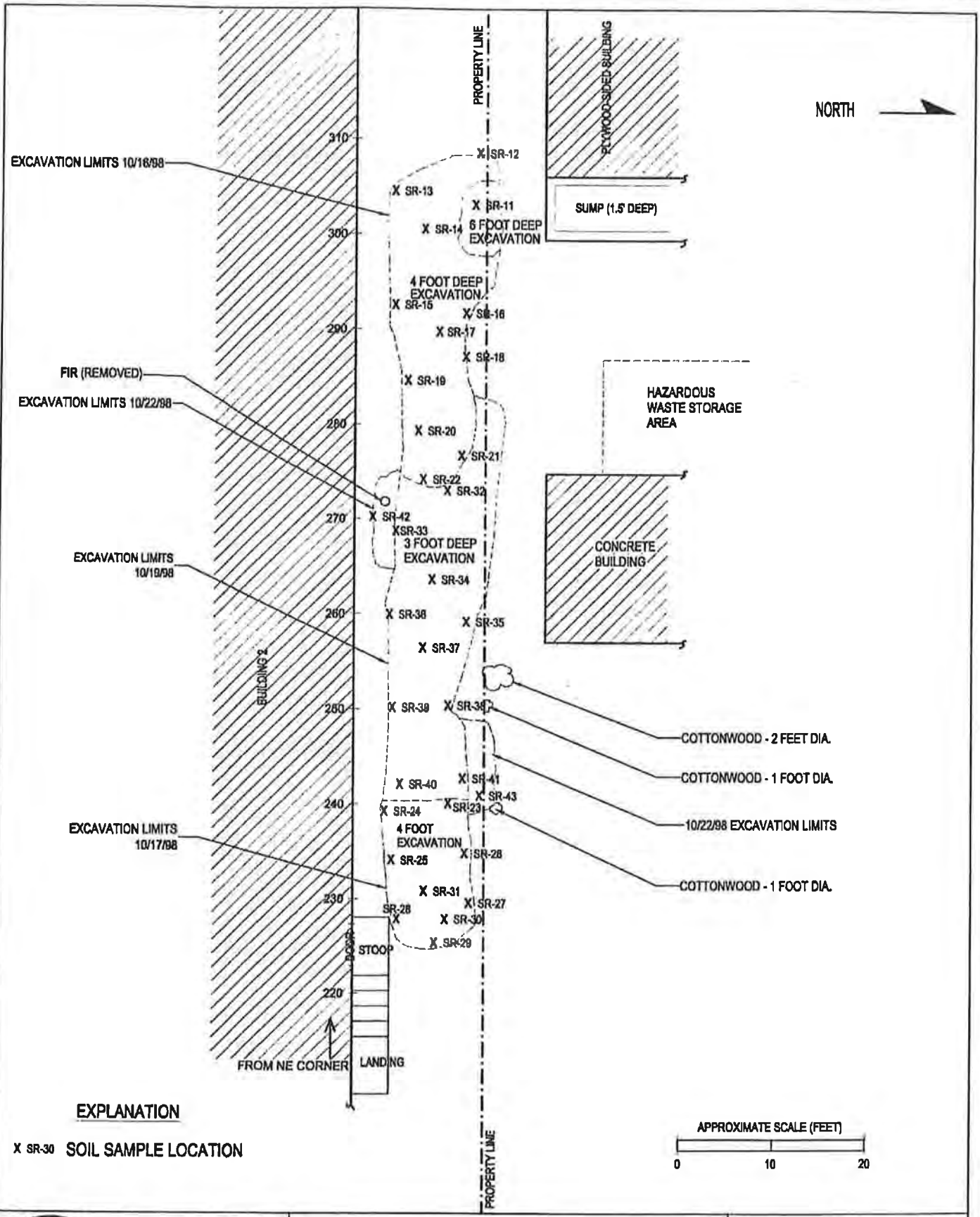
PROJECT: INDEPENDENT REMEDIAL ACTION
PETROLEUM CONTAMINATED SOIL REMEDIATION
WEST VALLEY BUSINESS PARK
KENT, WASHINGTON
CLIENT: LEND LEASE REAL ESTATE INVESTMENTS
ATC Project Number 87076.0808

FIGURE 5
EXCAVATION AND SAMPLE LOCATION PLAN-COMPRESSOR AREA



ATC ASSOCIATES INC.
6347 SEAVIEW AVE. NW
SEATTLE, WA 98107
206.781.1449
FAX: 206.781.1543

PROJECT: INDEPENDENT REMEDIAL ACTION
PETROLEUM CONTAMINATED SOIL REMEDIATION
WEST VALLEY BUSINESS PARK
KENT, WASHINGTON
CLIENT: LEND LEASE REAL ESTATE INVESTMENTS
ATC Project Number 87076.0808

FIGURE 6

EXCAVATION AND SAMPLE LOCATION PLAN- EASTERN AREA

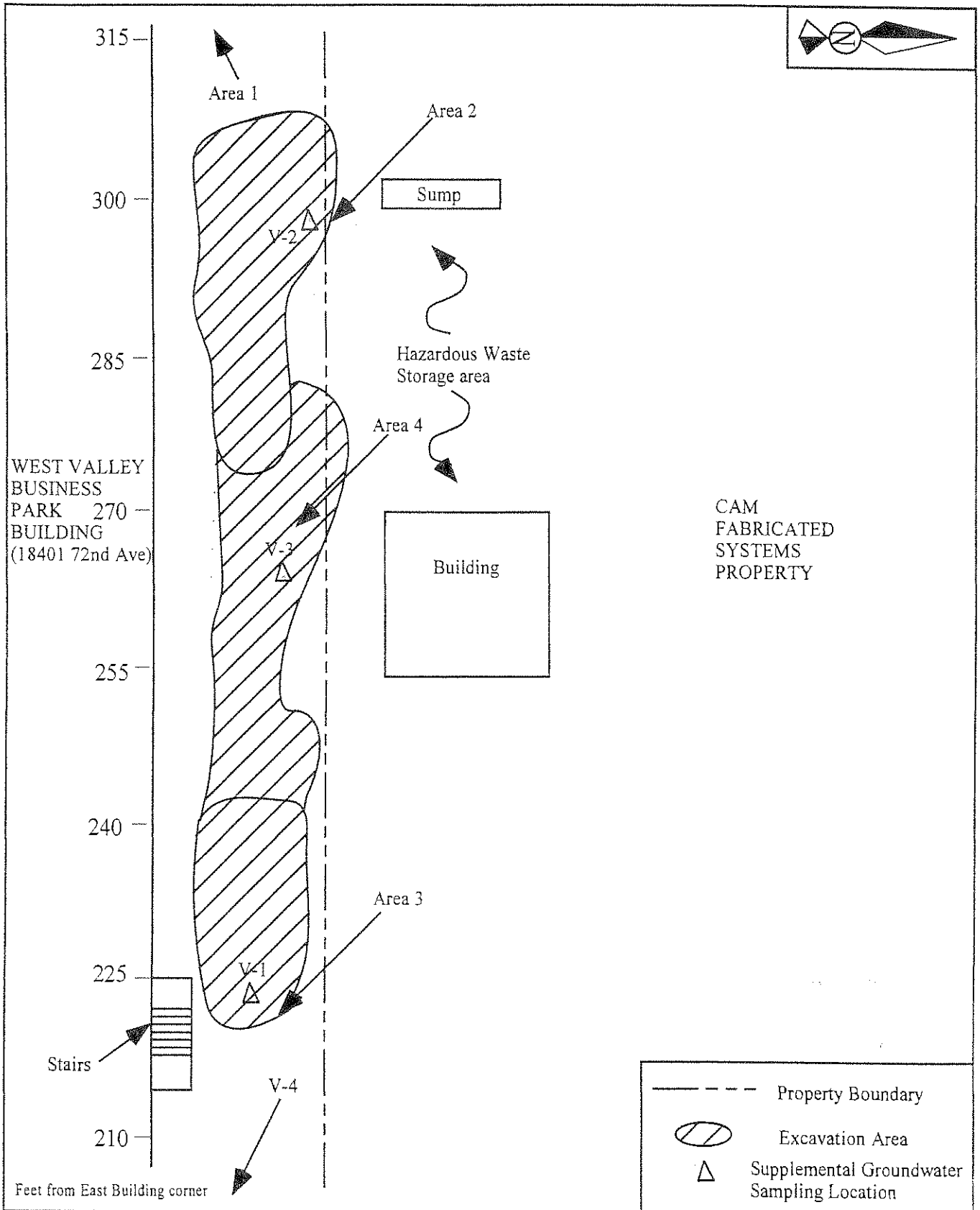
TABLE 1: SOIL SAMPLE SUMMARY AND ANALYTICAL RESULTS

Sample No.	Analytical Results (mg/kg)		Date	Depth (Ft.)	Coordinates**		Type
	Diesel	Oil			West	North	
SR-1	ND	ND	10/16/98	1.5	336.5	6	Wall
SR-2	ND	ND	10/16/98	2	340	9	Wall
SR-3	ND	ND	10/16/98	2	336.5	10.5	Wall
SR-4	ND	ND	10/16/98	3.5	336.5	8.5	Floor
SR-5	ND	ND	10/16/98	1.5	331.5	6	Wall
SR-6	ND	ND	10/16/98	2	331	10.5	Wall
SR-7	ND	ND	10/16/98	2.5	327.5	1	Wall
SR-8	ND	ND	10/16/98	1.5	326	1	Wall
SR-9	ND	ND	10/16/98	1.5	328.5	1	Wall
SR-10	ND	ND	10/16/98	2	325	4	Wall
SR-11	ND	ND	10/16/98	6.5	301	13.5	Floor
SR-12	ND	ND	10/16/98	2.5	307	14	Side
SR-13	ND	ND	10/16/98	2.5	304	4.5	Side
SR-14	ND	ND	10/16/98	4	300	9	Floor
SR-15	ND	ND	10/16/98	2	294	5	Side
SR-16	ND	ND	10/16/98	2.5	292	13.5	Side
SR-17	ND	ND	10/16/98	3.5	291	10	Floor
SR-18	33	60	10/16/98	2	287	12	Side
SR-19	48	140	10/16/98	2	283	7	Side
SR-20	78	190	10/16/98	3	279	9	Floor
SR-21*	560	1,300	10/16/98	2	277	13.5	Side
SR-22*	25,000	120,000	10/16/98	2	275	10	Side
SR-23*	2,900	7,800	10/17/98	2	241	11	Side
SR-24	ND	ND	10/17/98	2	241	4.5	Side
SR-25	ND	ND	10/17/98	2	234	4.5	Side
SR-26	26	99	10/17/98	2	235	13	Side
SR-27	37	190	10/17/98	2	228	13	Side
SR-28	ND	ND	10/17/98	2	226	4.5	Side
SR-29	ND	ND	10/17/98	2	222	10	Side
SR-30	ND	ND	10/17/98	3.5	226	10	Floor
SR-31	ND	ND	10/17/98	3.5	232	9.5	Floor
SR-32	64	170	10/19/98	3	275	12.5	Floor
SR-33*	94	360	10/19/98	2	270	7	Wall
SR-34	ND	ND	10/19/98	3	265	10.5	Floor
SR-35	ND	ND	10/19/98	2	260	13	Wall
SR-36	ND	ND	10/19/98	2	259	5.5	Wall
SR-37	ND	ND	10/19/98	3	255	8	Floor
SR-38	48	78	10/19/98	2	250	10.5	Wall
SR-39	ND	ND	10/19/98	2	250	5.5	Wall
SR-40	ND	ND	10/19/98	3	244	8	Floor
SR-41*	190	1,200	10/19/98	2	244	13	Wall
SR-42	ND	ND	10/22/98	2	270	3	Wall
SR-43	ND	56	10/22/98	3	243	14	Floor
MTCA Method A	200	200					

ND = none detected

* = sample location over-excavated

** = coordinates established from point of origin at northeast corner of Building 2



Detailed By: AEC Scale Approximate 1 inch = 12 feet Project: 4176-207	Werner Inc. 7844 MADISON AVENUE SUITE 167 FAIR OAKS, CA 95628 (916) 962-1612	West Valley Business Park Kent, Washington	Soil Excavation and Groundwater Sampling Locations	FIG 3

TRANSGLOBAL ENVIRONMENTAL GEOSCIENCES NORTHWEST INC.

ERE-WVBP PROJECT
Kent, Washington
Versar, Inc.
Project No.: 4176-207

Specific Halogenated Hydrocarbons and BTEX (EPA 8021B) in Water

Sample-Number	MDL	Method Blank	V-1B	V-2A	V-2C Dup	V-3C	V-4A
Date		10/23/98	10/23/98	10/23/98	10/23/98	10/23/98	10/23/98
	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Vinylchloride	1	nd	nd	nd	nd	nd	nd
Benzene	1	nd	nd	nd	nd	nd	nd
Toluene	1	nd	nd	nd	nd	nd	nd
Ethylbenzene	1	nd	nd	nd	nd	nd	nd
Total-Xylene	1	nd	nd	nd	nd	nd	nd
1,1 Dichloroethene	1	nd	nd	nd	nd	nd	nd
Dichloromethane	1	nd	nd	nd	nd	nd	nd
Trans-1,2 Dichloroethene	1	nd	nd	20	24	nd	4
1,1 Dichloroethane	1	nd	nd	nd	nd	nd	nd
Cis-1,2 Dichloroethene	1	nd	2	680	600	21	9
Chloroform	1	nd	nd	nd	nd	nd	nd
1,1,1 Trichloroethane	1	nd	nd	nd	nd	nd	nd
Carbon Tetrachloride	1	nd	nd	nd	nd	nd	nd
1,2 Dichloroethane	1	nd	nd	nd	nd	nd	nd
Trichloroethene	1	nd	nd	1	1	1	1
1,1,2 Trichloroethane	1	nd	nd	nd	nd	nd	nd
Tetrachloroethene	1	nd	nd	nd	nd	nd	nd
1,1,1,2-Tetrachloroethane	1	nd	nd	nd	nd	nd	nd
1,1,2,2-Tetrachloroethane	1	nd	nd	nd	nd	nd	nd
Spike Recovery (%)		115	112	90	115	118	80

"nd" Indicates Not Detected at the listed detection limit.

"int" Indicates that interference peaks prevent determination.

ERE-WVBP PROJECT
Kent, Washington
Versar, Inc.
Project No.: 4176-207

Specific Halogenated Hydrocarbons and BTEX (EPA 8021B) in Water

Sample-Number	MDL	MS	MSD	RPD
Date		10/23/98	10/23/98	10/23/98
	ug/l	%	%	
Vinylchloride	1	--	--	--
Benzene	1	111	116	4.4%
Toluene	1	106	118	10.7%
Ethylbenzene	1	115	108	6.3%
Total-Xylene	1	107	115	7.2%
1,1 Dichloroethene	1	100	86	15.1%
Dichloromethane	1	101	87	14.9%
Trans-1,2 Dichloroethene	1	107	91	16.2%
1,1 Dichloroethane	1	118	105	11.7%
Cis-1,2 Dichloroethene	1	89	81	9.4%
Chloroform	1	115	107	7.2%
1,1,1 Trichloroethane	1	120	117	2.5%
Carbon Tetrachloride	1	118	119	0.8%
1,2 Dichloroethane	1	108	97	10.7%
Trichloroethene	1	105	96	9.0%
1,1,2 Trichloroethane	1	97	111	13.5%
Tetrachloroethene	1	91	100	9.4%
1,1,1,2-Tetrachloroethane	1	108	114	5.4%
Spike Recovery (%)		109	112	2.7%

"nd" Indicates Not Detected at the listed detection limit.

"int" Indicates that interference peaks prevent determination.

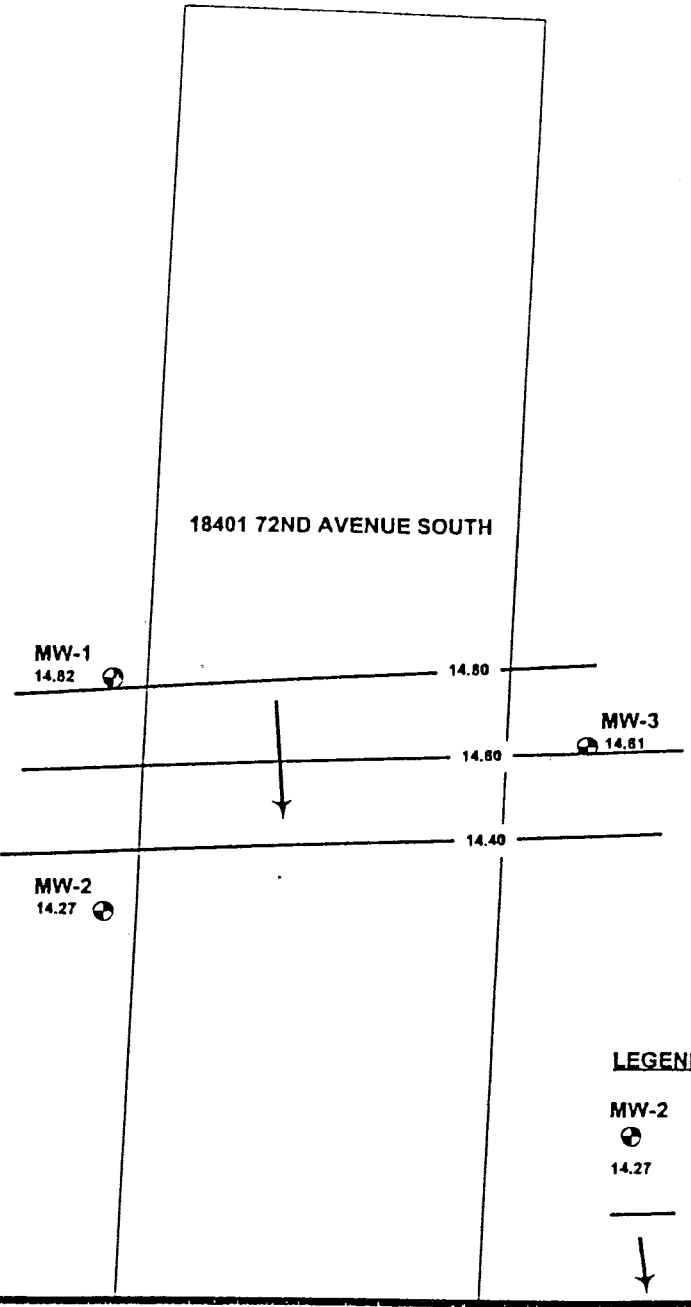
ERE-WVBP PROJECT
Kent, Washington
Versar, Inc.
Project No.: 4176-207

Diesel and Oil in Water by NWTPH-Dx/Dx-Extended

Sample Number	Date	Recovery %	Diesel ug/l	Heavy Oil ug/l
Meth. Blank	10/23/98	118	nd	nd
V-1D	10/23/98	100	nd	nd
V-1D Dup	10/23/98	84	nd	nd
V-2E	10/23/98	83	nd	nd
V-3E	10/23/98	99	nd	nd
V-4E	10/23/98	85	nd	nd
MDL			200	400

"nd" Indicates not detected at the listed detection Limit.

"int" Indicates that interference peaks prevent determination.



LEGEND:

MW-2 = APPROXIMATE MONITORING WELL LOCATION

14.27 = GROUNDWATER ELEVATION (6/21/00)

——— = GROUNDWATER CONTOUR

= INFERRED GROUNDWATER FLOW DIRECTION

VATC ASSOCIATES INC.
Solutions for Environmental Concerns

PROPOSAL NO.: 76.18118.0102		
DESIGNED BY: CV	SCALE: 1"=65'	
DRAWN BY: DFK	DATE : 7/13/00	FILE: WVBPFig2.VSD

FIGURE 2. GROUNDWATER CONTOURS

MONITORING WELL INSTALLATION AND GROUNDWATER SAMPLING SURVEY
WEST VALLEY BUSINESS PARK
18401 - 18601 72nd AVENUE SOUTH
KENT, WASHINGTON

TABLE 1
GROUNDWATER ANALYTICAL RESULTS

Sample No.	Sampling Date	Volatile Organic Compounds (µg/L)			
		PCE	TCE	VC	*cis*-1,2-DCE
MW-1	05/15/00	ND	ND	ND	ND
MW-2	05/15/00	ND	ND	150	ND
MW-3	05/15/00	ND	ND	ND	ND
MTCA Cleanup Levels		**5.0 (A)**	**5.0 (A)**	**0.2 (A)**	**80 (B)**

Table 1 Notes:

cis-1,2-DCE = *cis*-1,2-Dichloroethene
PCE = Perchloroethylene = Tetrachloroethylene
TCE = Trichloroethene
VC = Vinyl Chloride
ND = indicates sample was not detected above the laboratory analytical detection limit
(A) = MTCA Method A Cleanup Level (Model Toxics Control Act Cleanup Regulation – Chapter 173-340 WAC)
(B) = MTCA Method B formula value (Model Toxics Control Act Cleanup Regulation – Chapter 173-340 WAC and Model Toxics Control Act Cleanup Levels and Risk Calculations – February 1996)
Bold Italic = indicates the analytical result exceeds the MTCA Method A or B Cleanup Level

TABLE 2
GROUNDWATER ELEVATIONS

Well No.	Screened Interval (feet bgs)	Reference Elevation*	Date	Depth to Water (feet below TOC)	Groundwater Elevation*
MW-1	10 - 20	98.49	5/15/00	6.82	91.67
MW-2	10 - 20	98.61	5/15/00	7.74	90.87
MW-3	10 - 20	98.98	5/15/00	9.02	90.96

Table 2 Notes:
* These elevations are of the top of the PVC well casing measured in feet above mean sea level (MSL)
TOC = top of PVC well casing
bgs = below ground surface

URS

July 18, 2002

Mr. Steve Campbell
AMB Property Corporation
Pier One, Bay One
San Francisco, CA 94111

Subject: **Groundwater Sampling Results, May 2002**
West Valley Business Park, 18401-18601 72nd Ave. South, Kent, WA
URS Project No. 41-0000213.01 01000

Dear Mr. Campbell:

Enclosed are groundwater analytical results from the May 2002 monitoring event at the above-referenced property (Site). The three Site monitoring wells were sampled by URS on May 21, 2002. The monitoring was performed voluntarily to confirm the continued decrease of volatile organic compounds (VOCs) in groundwater determined to be originating from the adjacent hydraulically up gradient property (CAM Properties).

As indicated by the data, analytical results for VOCs in groundwater during the May 2002 sampling event were below the laboratory reporting limits, with the exception of trace levels of cis-1,2-dichloroethene (1.1 micrograms per liter [ug/l]), and trichloroethene (1.0 ug/l) in well MW-2. These levels are below drinking water standards established by the Washington Department of Ecology. This data confirms the continued decrease of VOCs in groundwater beneath the Site, and no continued monitoring is warranted. If you have any questions, please feel free to call me at (916) 231-2305.

Sincerely,
URS Corporation

Scott Allin, R.E.A. II
Senior Program Manager

Attachment

10235 Systems Parkway, Suite A
Sacramento, CA 95827
Telephone: (916) 231-2305
Facsimile: (916) 366-7048

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS

Sample No: AMBMW1052102

Lab Sample ID: EJ81B
LIMS ID: 02-6485
Matrix: Groundwater
Data Release Authorized:
Reported: 05/22/02

QC Report No: EJ81-URS Corp
Project: AMB
Date Sampled: 05/21/02
Date Received: 05/21/02

MW-1

Instrument: NT3
Date Analyzed: 05/21/02 17:53

Sample Amount: 5.00 mL
Purge Volume: 5.0 mL

CAS Number	Analyte	ug/L
74-87-3	Chloromethane	1.0 U
74-83-9	Bromomethane	1.0 U
75-01-4	Vinyl Chloride	1.0 U
75-00-3	Chloroethane	1.0 U
75-09-2	Methylene Chloride	2.0 U
67-64-1	Acetone	5.0 U
75-15-0	Carbon Disulfide	1.0 U
75-35-4	1,1-Dichloroethene	1.0 U
75-34-3	1,1-Dichloroethane	1.0 U
156-60-5	trans-1,2-Dichloroethene	1.0 U
156-59-2	cis-1,2-Dichloroethene	1.0 U
67-66-3	Chloroform	1.0 U
107-06-2	1,2-Dichloroethane	1.0 U
78-93-3	2-Butanone	5.0 U
71-55-6	1,1,1-Trichloroethane	1.0 U
56-23-5	Carbon Tetrachloride	1.0 U
108-05-4	Vinyl Acetate	5.0 U
75-27-4	Bromodichloromethane	1.0 U
78-87-5	1,2-Dichloropropane	1.0 U
10061-01-5	cis-1,3-Dichloropropene	1.0 U
79-01-6	Trichloroethene	1.0 U
124-48-1	Dibromochloromethane	1.0 U
79-00-5	1,1,2-Trichloroethane	1.0 U
71-43-2	Benzene	1.0 U
10061-02-6	trans-1,3-Dichloropropene	1.0 U
110-75-8	2-Chloroethylvinylether	5.0 U
75-25-2	Bromoform	1.0 U
108-10-1	4-Methyl-2-Pentanone (MIBK)	5.0 U
591-78-6	2-Hexanone	5.0 U
127-18-4	Tetrachloroethene	1.0 U
79-34-5	1,1,2,2-Tetrachloroethane	1.0 U
108-88-3	Toluene	1.0 U
108-90-7	Chlorobenzene	1.0 U
100-41-4	Ethylbenzene	1.0 U
100-42-5	Styrene	1.0 U
75-69-4	Trichlorofluoromethane	1.0 U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	2.0 U
1330-20-7	m,p-Xylene	1.0 U

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS
Page 2 of 2

Sample No: AMBMW1052102

Lab Sample ID: EJ8IB
LIMS ID: 02-6485
Matrix: Groundwater
Data Release Authorized:
Reported: 05/22/02

QC Report No: EJ81-URS Corp
Project: AMB
Date Sampled: 05/21/02
Date Received: 05/21/02

MW-1

Instrument: NT3
Date Analyzed: 05/21/02 17:53

Sample Amount: 5.00 mL
Purge Volume: 5.0 mL

CAS Number	Analyte	ug/L
95-47-6	o-Xylene	1.0 U
95-50-1	1,2-Dichlorobenzene	1.0 U
541-73-1	1,3-Dichlorobenzene	1.0 U
106-46-7	1,4-Dichlorobenzene	1.0 U
107-02-8	Acrolein	50 U
74-88-4	Methyl Iodide	1.0 U
74-96-4	Bromoethane	2.0 U
107-13-1	Acrylonitrile	1.0 U
563-58-6	1,1-Dichloropropene	1.0 U
74-95-3	Dibromomethane	1.0 U
630-20-6	1,1,1,2-Tetrachloroethane	1.0 U
96-12-8	1,2-Dibromo-3-chloropropane	5.0 U
96-18-4	1,2,3-Trichloropropane	3.0 U
110-57-6	trans-1,4-Dichloro-2-butene	5.0 U
108-67-8	1,3,5-Trimethylbenzene	1.0 U
95-63-6	1,2,4-Trimethylbenzene	1.0 U
87-68-3	Hexachlorobutadiene	5.0 U
106-93-4	Ethylene Dibromide	1.0 U
74-97-5	Bromochloromethane	1.0 U
594-20-7	2,2-Dichloropropane	1.0 U
142-28-9	1,3-Dichloropropane	1.0 U
98-82-8	Isopropylbenzene	1.0 U
103-65-1	n-Propylbenzene	1.0 U
108-86-1	Bromobenzene	1.0 U
95-49-8	2-Chlorotoluene	1.0 U
106-43-4	4-Chlorotoluene	1.0 U
98-06-6	tert-Butylbenzene	1.0 U
135-98-8	sec-Butylbenzene	1.0 U
99-87-6	4-Isopropyltoluene	1.0 U
104-51-8	n-Butylbenzene	1.0 U
120-82-1	1,2,4-Trichlorobenzene	5.0 U
91-20-3	Naphthalene	5.0 U
87-61-6	1,2,3-Trichlorobenzene	5.0 U

Volatile Surrogate Recovery	
d4-1,2-Dichloroethane	102%
d8-Toluene	97.4%
Bromofluorobenzene	91.2%
d4-1,2-Dichlorobenzene	105%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS
Page 1 of 2

Sample No: AMBMW2052102

Lab Sample ID: EJ81C
LIMS ID: 02-6486
Matrix: Groundwater
Data Release Authorized:
Reported: 05/22/02

QC Report No: EJ81-URS Corp
Project: AMB
Date Sampled: 05/21/02
Date Received: 05/21/02

MW-2

Instrument: NT3
Date Analyzed: 05/21/02 18:15

Sample Amount: 5.00 mL
Purge Volume: 5.0 mL

CAS Number	Analyte	ug/L
74-87-3	Chloromethane	1.0 U
74-83-9	Bromomethane	1.0 U
75-01-4	Vinyl Chloride	1.0 U
75-00-3	Chloroethane	1.0 U
75-09-2	Methylene Chloride	2.0 U
67-64-1	Acetone	5.0 U
75-15-0	Carbon Disulfide	1.0 U
75-35-4	1,1-Dichloroethene	1.0 U
75-34-3	1,1-Dichloroethane	1.0 U
156-60-5	trans-1,2-Dichloroethene	1.0 U
156-59-2	cis-1,2-Dichloroethene	1.1
67-66-3	Chloroform	1.0 U
107-06-2	1,2-Dichloroethane	1.0 U
78-93-3	2-Butanone	5.0 U
71-55-6	1,1,1-Trichloroethane	1.0 U
56-23-5	Carbon Tetrachloride	1.0 U
108-05-4	Vinyl Acetate	5.0 U
75-27-4	Bromodichloromethane	1.0 U
78-87-5	1,2-Dichloropropane	1.0 U
10061-01-5	cis-1,3-Dichloropropene	1.0 U
79-01-6	Trichloroethene	1.0
124-48-1	Dibromochloromethane	1.0 U
79-00-5	1,1,2-Trichloroethane	1.0 U
71-43-2	Benzene	1.0 U
10061-02-6	trans-1,3-Dichloropropene	1.0 U
110-75-8	2-Chloroethylvinylether	5.0 U
75-25-2	Bromoform	1.0 U
108-10-1	4-Methyl-2-Pentanone (MIBK)	5.0 U
591-78-6	2-Hexanone	5.0 U
127-18-4	Tetrachloroethene	1.0 U
79-34-5	1,1,2,2-Tetrachloroethane	1.0 U
108-88-3	Toluene	1.0 U
108-90-7	Chlorobenzene	1.0 U
100-41-4	Ethylbenzene	1.0 U
100-42-5	Styrene	1.0 U
75-69-4	Trichlorofluoromethane	1.0 U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	2.0 U
1330-20-7	m,p-Xylene	1.0 U

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS
Page 2 of 2

Sample No: AMBMW2052102

Lab Sample ID: EJ81C
LIMS ID: 02-6486
Matrix: Groundwater
Data Release Authorized:
Reported: 05/22/02

QC Report No: EJ81-URS Corp
Project: AMB
Date Sampled: 05/21/02
Date Received: 05/21/02

MW-2

Instrument: NT3
Date Analyzed: 05/21/02 18:15

Sample Amount: 5.00 mL
Purge Volume: 5.0 mL

CAS Number	Analyte	ug/L
95-47-6	o-Xylene	1.0 U
95-50-1	1,2-Dichlorobenzene	1.0 U
541-73-1	1,3-Dichlorobenzene	1.0 U
106-46-7	1,4-Dichlorobenzene	1.0 U
107-02-8	Acrolein	50 U
74-88-4	Methyl Iodide	1.0 U
74-96-4	Bromoethane	2.0 U
107-13-1	Acrylonitrile	1.0 U
563-58-6	1,1-Dichloropropene	1.0 U
74-95-3	Dibromomethane	1.0 U
630-20-6	1,1,1,2-Tetrachloroethane	1.0 U
96-12-8	1,2-Dibromo-3-chloropropane	5.0 U
96-18-4	1,2,3-Trichloropropane	3.0 U
110-57-6	trans-1,4-Dichloro-2-butene	5.0 U
108-67-8	1,3,5-Trimethylbenzene	1.0 U
95-63-6	1,2,4-Trimethylbenzene	1.0 U
87-68-3	Hexachlorobutadiene	5.0 U
106-93-4	Ethylene Dibromide	1.0 U
74-97-5	Bromochloromethane	1.0 U
594-20-7	2,2-Dichloropropane	1.0 U
142-28-9	1,3-Dichloropropane	1.0 U
98-82-8	Isopropylbenzene	1.0 U
103-65-1	n-Propylbenzene	1.0 U
108-86-1	Bromobenzene	1.0 U
95-49-8	2-Chlorotoluene	1.0 U
106-43-4	4-Chlorotoluene	1.0 U
98-06-6	tert-Butylbenzene	1.0 U
135-98-8	sec-Butylbenzene	1.0 U
99-87-6	4-Isopropyltoluene	1.0 U
104-51-8	n-Butylbenzene	1.0 U
120-82-1	1,2,4-Trichlorobenzene	5.0 U
91-20-3	Naphthalene	5.0 U
87-61-6	1,2,3-Trichlorobenzene	5.0 U

Volatile Surrogate Recovery	
d4-1,2-Dichloroethane	103%
d8-Toluene	97.1%
Bromofluorobenzene	92.2%
d4-1,2-Dichlorobenzene	105%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS
Page 1 of 2

Sample No: AMBMW3052102

Lab Sample ID: EJ81A
LIMS ID: 02-6484
Matrix: Groundwater
Data Release Authorized:
Reported: 05/22/02

QC Report No: EJ81-URS Corp
Project: AMB
Date Sampled: 05/21/02
Date Received: 05/21/02

MW-3

Instrument: NT3
Date Analyzed: 05/21/02 17:30

Sample Amount: 5.00 mL
Purge Volume: 5.0 mL

CAS Number	Analyte	ug/L
74-87-3	Chloromethane	1.0 U
74-83-9	Bromomethane	1.0 U
75-01-4	Vinyl Chloride	1.0 U
75-00-3	Chloroethane	1.0 U
75-09-2	Methylene Chloride	2.0 U
67-64-1	Acetone	5.0 U
75-15-0	Carbon Disulfide	1.0 U
75-35-4	1,1-Dichloroethene	1.0 U
75-34-3	1,1-Dichloroethane	1.0 U
156-60-5	trans-1,2-Dichloroethene	1.0 U
156-59-2	cis-1,2-Dichloroethene	1.0 U
67-66-3	Chloroform	1.0 U
107-06-2	1,2-Dichloroethane	1.0 U
78-93-3	2-Butanone	5.0 U
71-55-6	1,1,1-Trichloroethane	1.0 U
56-23-5	Carbon Tetrachloride	1.0 U
108-05-4	Vinyl Acetate	5.0 U
75-27-4	Bromodichloromethane	1.0 U
78-87-5	1,2-Dichloropropane	1.0 U
10061-01-5	cis-1,3-Dichloropropene	1.0 U
79-01-6	Trichloroethene	1.0 U
124-48-1	Dibromochloromethane	1.0 U
79-00-5	1,1,2-Trichloroethane	1.0 U
71-43-2	Benzene	1.0 U
10061-02-6	trans-1,3-Dichloropropene	1.0 U
110-75-8	2-Chloroethylvinylether	5.0 U
75-25-2	Bromoform	1.0 U
108-10-1	4-Methyl-2-Pentanone (MIBK)	5.0 U
591-78-6	2-Hexanone	5.0 U
127-18-4	Tetrachloroethene	1.0 U
79-34-5	1,1,2,2-Tetrachloroethane	1.0 U
108-88-3	Toluene	1.0 U
108-90-7	Chlorobenzene	1.0 U
100-41-4	Ethylbenzene	1.0 U
100-42-5	Styrene	1.0 U
75-69-4	Trichlorofluoromethane	1.0 U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	2.0 U
1330-20-7	m,p-Xylene	1.0 U

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS

Sample No: AMBMW3052102

Lab Sample ID: EJ81A
LIMS ID: 02-6484
Matrix: Groundwater
Data Release Authorized:
Reported: 05/22/02

QC Report No: EJ81-URS Corp
Project: AMB
Date Sampled: 05/21/02
Date Received: 05/21/02

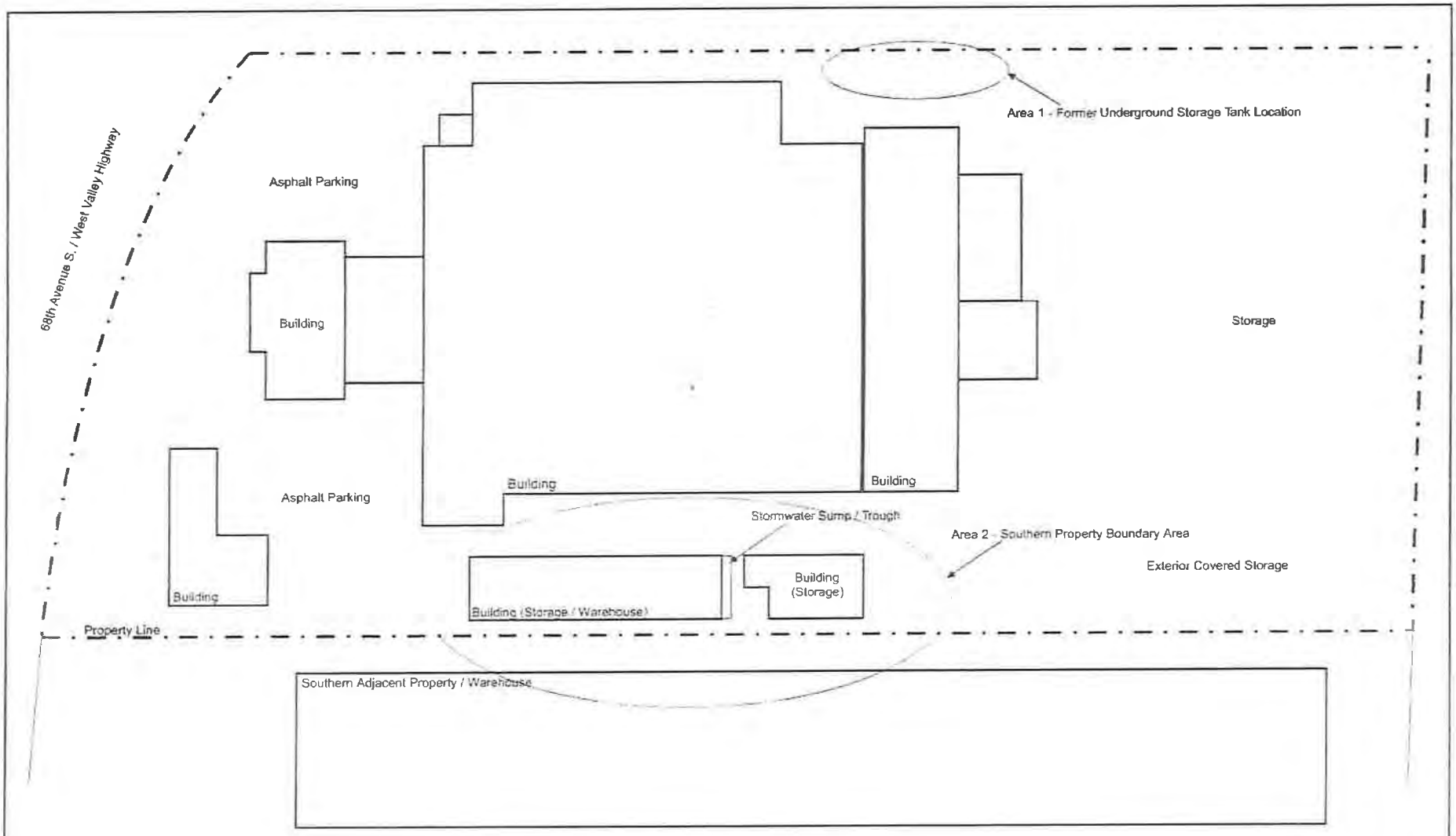
MW-3

Instrument: NT3
Date Analyzed: 05/21/02 17:30

Sample Amount: 5.00 mL
Purge Volume: 5.0 mL

CAS Number	Analyte	ug/L
95-47-6	o-Xylene	1.0 U
95-50-1	1,2-Dichlorobenzene	1.0 U
541-73-1	1,3-Dichlorobenzene	1.0 U
106-46-7	1,4-Dichlorobenzene	1.0 U
107-02-8	Acrolein	50 U
74-88-4	Methyl Iodide	1.0 U
74-96-4	Bromoethane	2.0 U
107-13-1	Acrylonitrile	1.0 U
563-58-6	1,1-Dichloropropene	1.0 U
74-95-3	Dibromomethane	1.0 U
630-20-6	1,1,1,2-Tetrachloroethane	1.0 U
96-12-8	1,2-Dibromo-3-chloropropane	5.0 U
96-18-4	1,2,3-Trichloropropane	3.0 U
110-57-6	trans-1,4-Dichloro-2-butene	5.0 U
108-67-8	1,3,5-Trimethylbenzene	1.0 U
95-63-6	1,2,4-Trimethylbenzene	1.0 U
87-68-3	Hexachlorobutadiene	5.0 U
106-93-4	Ethylene Dibromide	1.0 U
74-97-5	Bromochloromethane	1.0 U
594-20-7	2,2-Dichloropropane	1.0 U
142-28-9	1,3-Dichloropropane	1.0 U
98-82-8	Isopropylbenzene	1.0 U
103-65-1	n-Propylbenzene	1.0 U
108-86-1	Bromobenzene	1.0 U
95-49-8	2-Chlorotoluene	1.0 U
106-43-4	4-Chlorotoluene	1.0 U
98-06-6	tert-Butylbenzene	1.0 U
135-98-8	sec-Butylbenzene	1.0 U
99-87-6	4-Isopropyltoluene	1.0 U
104-51-8	n-Butylbenzene	1.0 U
120-82-1	1,2,4-Trichlorobenzene	5.0 U
91-20-3	Naphthalene	5.0 U
87-61-6	1,2,3-Trichlorobenzene	5.0 U

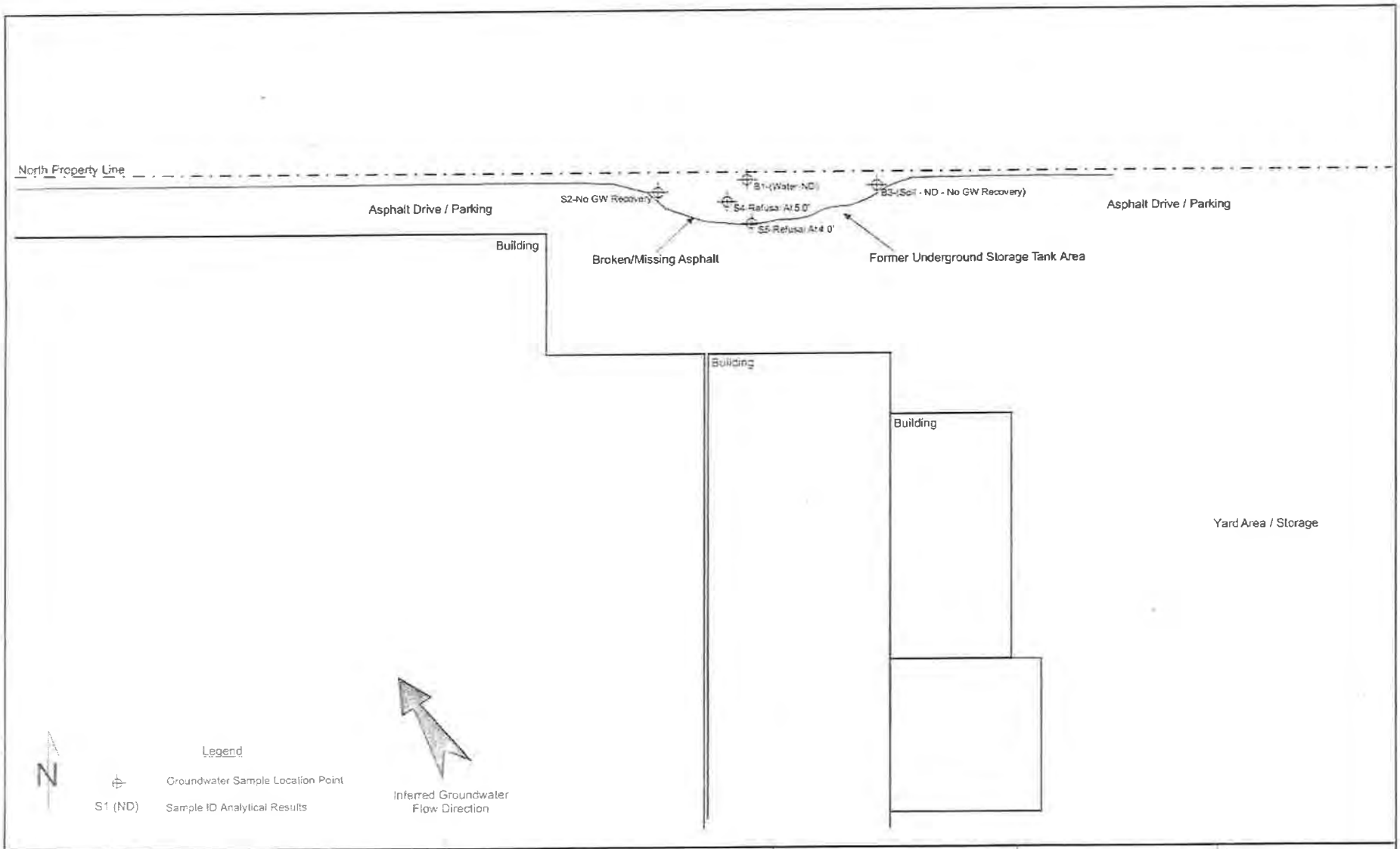
Volatile Surrogate Recovery	
d4-1,2-Dichloroethane	102%
d8-Toluene	97.5%
Bromofluorobenzene	93.6%
d4-1,2-Dichlorobenzene	103%



EMS

0' 40' 80'
Approximate Scale

Project No /Name:	Coatings Unlimited Limited Subsurface Groundwater Sampling Event	Date:	October 1, 2003	Site Map Coatings Unlimited Project 18420 68th Avenue S Kent, Washington	Figure No FIGURE 02
Location:	18420 68th Avenue Kent, Washington	Drawn / Created By:	S Spencer		
		Checked By:	B.Halbert		



EMS

0' 20' 40'

Approximate Scale

Project No./Name:	Coatings Unlimited Limited Subsurface Groundwater Sampling Event	Date:	October 1, 2003
Location:	18420 68th Avenue Kent, Washington	Drawn / Created By:	S.Spencer
		Checked By:	B.Halbert

Sample Location Map
Area 1 - Former UST Area
Coatings Unlimited Project
18420 68th Avenue S.
Kent, Washington

Figure No.

FIGURE 03

EMS
www.emsgroup.com

TABLE 1
ANALYTICAL RESULTS
Area 1 - Former Underground Storage Tank Area
Coatings Unlimited Project
18420 68th Avenue S.
Kent, Washington

Sample Number	Date Sampled	Location	Sample Depth (feet bgs)	Gasoline (NWTPH-G / 8021-b)	Benzene (8021-b)	Toluene (8021-b)	Ethylbenzene (8021-b)	Xylene (8021-b)	Diesel (NWTPH-Dx)	Oil (NWTPH-Dx)	Comments
B1-092203	9/22/2003	Boring Location B9	13-15' bgs	< 100 (ND)	<1.0 (ND)	<1.0 (ND)	<1.0 (ND)	<1.0 (ND)	<200 (ND)	<400 (ND)	Water sample, 40 mill VOA
B3-092203	9/22/2003	Boring Location B10	13-15' bgs	<10 (ND)	<.02 (ND)	<.05 (ND)	<.05 (ND)	<.05 (ND)	<20 (ND)	<40 (ND)	Soil Sample, 4 Ounce Lab
Laboratory Practical Quantitation Limit - Water				100 ug/l	1.0 ug/l	1.0 ug/l	1.0 ug/l	1.0 ug/l	200 ug/l	400 ug/l	
Laboratory Practical Quantitation Limit - Soil				10 mg/kg	.02 mg/kg	.05 mg/kg	.05 mg/kg	.05 mg/kg	20 mg/kg	40 mg/kg	
MTCA Method A Cleanup Levels For Groundwater				1000* ug/l	5.0 ug/l	1000 ug/l	700 ug/l	1000 ug/l	500 ug/l	500 ug/l	
MTCA Method A Cleanup Levels For Soil				100*	.03 mg/kg	7.0 mg/kg	6.0 mg/kg	9.0 mg/kg	2000 mg/kg	2000 mg/kg	

Water values are reported in micrograms/liter (ug/l) and soil values reported in milligrams/kilogram (mg/kg)

< ND = analyte not detected above the analytical method practical quantitation limit cited

Gasoline, BTEX by Method 8021-b

Diesel Extended by Method NWTPH-Dx

* Gasoline Method A Cleanup Levels for groundwater are 1000 ug/l unless detectable benzene is present then cleanup levels are reduced to 800 ug/l)

* Gasoline Method A Cleanup Levels for soil are 100 mg/kg unless detectable benzene is present then cleanup levels are reduced to 30 mg/kg)

MTCA 2001 Method A Cleanup Levels for groundwater from the Model Toxics Control Act (MTCA) amendment Table 740-1 WAC 173-340 -900 Tables

APPENDIX D
LABORATORY ANALYTICAL REPORTS

REMEDIAL INVESTIGATION AND
FEASIBILITY STUDY REPORT
18420 68th Avenue South
Kent, Washington

Farallon PN: 2032-012

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

October 8, 2020

Pete Kingston
Farallon Consulting
1809 7th Avenue, Suite 1111
Seattle, WA 98101

Re: Analytical Data for Project 2032-012
Laboratory Reference No. 2009-335

Dear Pete:

Enclosed are the analytical results and associated quality control data for samples submitted on September 30, 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

Date of Report: October 8, 2020
Samples Submitted: September 30, 2020
Laboratory Reference: 2009-335
Project: 2032-012

Case Narrative

Samples were collected on September 29 and 30, 2020 and received by the laboratory on September 30, 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.

Date of Report: October 8, 2020
Samples Submitted: September 30, 2020
Laboratory Reference: 2009-335
Project: 2032-012

DIESEL AND HEAVY OIL RANGE ORGANICS
NWTPH-Dx

Matrix: Water
Units: mg/L (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-1-093020**					
Laboratory ID:	09-335-01					
Diesel Range Organics	**ND**	0.20	NWTPH-Dx	10-1-20	10-2-20	
Lube Oil Range Organics	**0.29**	0.22	NWTPH-Dx	10-1-20	10-2-20	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*98*	*50-150*				
Client ID:	**MW-2-093020**					
Laboratory ID:	09-335-02					
Diesel Range Organics	**ND**	0.22	NWTPH-Dx	10-1-20	10-2-20	
Lube Oil Range Organics	**ND**	0.22	NWTPH-Dx	10-1-20	10-2-20	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*97*	*50-150*				
Client ID:	**MW-3-093020**					
Laboratory ID:	09-335-03					
Diesel Range Organics	**ND**	0.19	NWTPH-Dx	10-1-20	10-2-20	
Lube Oil Range Organics	**ND**	0.19	NWTPH-Dx	10-1-20	10-2-20	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*72*	*50-150*				
Client ID:	**FMW-2-092920**					
Laboratory ID:	09-335-04					
Diesel Range Organics	**ND**	0.19	NWTPH-Dx	10-1-20	10-2-20	
Lube Oil Range Organics	**0.30**	0.21	NWTPH-Dx	10-1-20	10-2-20	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*96*	*50-150*				
Client ID:	**FMW-3-092920**					
Laboratory ID:	09-335-05					
Diesel Range Organics	**ND**	0.21	NWTPH-Dx	10-1-20	10-2-20	
Lube Oil Range Organics	**0.22**	0.21	NWTPH-Dx	10-1-20	10-2-20	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*89*	*50-150*				
Client ID:	**FMW-4-093020**					
Laboratory ID:	09-335-06					
Diesel Range Organics	**ND**	0.22	NWTPH-Dx	10-1-20	10-2-20	
Lube Oil Range Organics	**ND**	0.22	NWTPH-Dx	10-1-20	10-2-20	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*95*	*50-150*				

Date of Report: October 8, 2020
Samples Submitted: September 30, 2020
Laboratory Reference: 2009-335
Project: 2032-012

DIESEL AND HEAVY OIL RANGE ORGANICS
NWTPH-Dx

Matrix: Water
Units: mg/L (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FMW-5-092920**					
Laboratory ID:	09-335-07					
Diesel Range Organics	**ND**	0.17	NWTPH-Dx	10-1-20	10-2-20	
Lube Oil Range Organics	**0.32**	0.22	NWTPH-Dx	10-1-20	10-2-20	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*100*	*50-150*				
Client ID:	**FMW-6-092920**					
Laboratory ID:	09-335-08					
Diesel Range Organics	**ND**	0.21	NWTPH-Dx	10-1-20	10-2-20	
Lube Oil Range Organics	**ND**	0.21	NWTPH-Dx	10-1-20	10-2-20	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*98*	*50-150*				
Client ID:	**FMW-7-092920**					
Laboratory ID:	09-335-09					
Diesel Range Organics	**ND**	0.21	NWTPH-Dx	10-1-20	10-2-20	
Lube Oil Range Organics	**ND**	0.21	NWTPH-Dx	10-1-20	10-2-20	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*99*	*50-150*				
Client ID:	**FMW-8-092920**					
Laboratory ID:	09-335-10					
Diesel Range Organics	**ND**	0.21	NWTPH-Dx	10-1-20	10-2-20	
Lube Oil Range Organics	**ND**	0.21	NWTPH-Dx	10-1-20	10-2-20	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*93*	*50-150*				
Client ID:	**FMW-9-093020**					
Laboratory ID:	09-335-11					
Diesel Range Organics	**ND**	0.21	NWTPH-Dx	10-1-20	10-2-20	
Lube Oil Range Organics	**ND**	0.21	NWTPH-Dx	10-1-20	10-2-20	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*87*	*50-150*				

Date of Report: October 8, 2020
Samples Submitted: September 30, 2020
Laboratory Reference: 2009-335
Project: 2032-012

DIESEL AND HEAVY OIL RANGE ORGANICS
NWTPH-Dx
QUALITY CONTROL

Matrix: Water
Units: mg/L (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1001W1					
Diesel Range Organics	**ND**	0.16	NWTPH-Dx	10-1-20	10-2-20	
Lube Oil Range Organics	**ND**	0.20	NWTPH-Dx	10-1-20	10-2-20	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*102*	*50-150*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	09-335-11										
	ORIG	DUP									
Diesel Range	**ND**	**ND**	NA	NA		NA		NA	NA	NA	
Lube Oil Range	**ND**	**ND**	NA	NA		NA		NA	NA	NA	
Surrogate:											
o-Terphenyl						*87*	*96*	*50-150*			
Laboratory ID:	SB1001W1										
	ORIG	DUP									
Diesel Fuel #2	**0.455**	**0.443**	NA	NA		NA		NA	3	NA	
Lube Oil Range	**ND**	**ND**	NA	NA		NA		NA	NA	NA	
Surrogate:											
o-Terphenyl						*88*	*85*	*50-150*			

Date of Report: October 8, 2020
Samples Submitted: September 30, 2020
Laboratory Reference: 2009-335
Project: 2032-012

VOLATILE ORGANICS EPA 8260D/SIM
page 1 of 2

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-1-093020**					
Laboratory ID:	09-335-01					
Dichlorodifluoromethane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Chloromethane	ND	1.0	EPA 8260D	10-2-20	10-2-20	
Vinyl Chloride	0.049	0.020	EPA 8260D/SIM	10-2-20	10-2-20	
Bromomethane	ND	0.30	EPA 8260D	10-2-20	10-2-20	
Chloroethane	ND	1.0	EPA 8260D	10-2-20	10-2-20	
Trichlorofluoromethane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,1-Dichloroethene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Acetone	ND	5.0	EPA 8260D	10-2-20	10-2-20	
Iodomethane	ND	1.8	EPA 8260D	10-2-20	10-2-20	
Carbon Disulfide	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Methylene Chloride	ND	1.0	EPA 8260D	10-2-20	10-2-20	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Methyl t-Butyl Ether	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,1-Dichloroethane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Vinyl Acetate	ND	1.0	EPA 8260D	10-2-20	10-2-20	
2,2-Dichloropropane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
(cis) 1,2-Dichloroethene	6.1	0.20	EPA 8260D	10-2-20	10-2-20	
2-Butanone	ND	5.0	EPA 8260D	10-2-20	10-2-20	
Bromochloromethane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Chloroform	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Carbon Tetrachloride	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,1-Dichloropropene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Benzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,2-Dichloroethane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Trichloroethene	0.95	0.20	EPA 8260D	10-2-20	10-2-20	
1,2-Dichloropropane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Dibromomethane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Bromodichloromethane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260D	10-2-20	10-2-20	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260D	10-2-20	10-2-20	
Toluene	ND	1.0	EPA 8260D	10-2-20	10-2-20	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	10-2-20	10-2-20	

Date of Report: October 8, 2020
Samples Submitted: September 30, 2020
Laboratory Reference: 2009-335
Project: 2032-012

VOLATILE ORGANICS EPA 8260D/SIM
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-1-093020**					
Laboratory ID:	09-335-01					
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Tetrachloroethene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,3-Dichloropropane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
2-Hexanone	ND	2.0	EPA 8260D	10-2-20	10-2-20	
Dibromochloromethane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,2-Dibromoethane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Chlorobenzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Ethylbenzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
m,p-Xylene	ND	0.40	EPA 8260D	10-2-20	10-2-20	
o-Xylene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Styrene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Bromoform	ND	1.0	EPA 8260D	10-2-20	10-2-20	
Isopropylbenzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Bromobenzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
n-Propylbenzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
2-Chlorotoluene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
4-Chlorotoluene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,3,5-Trimethylbenzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
tert-Butylbenzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,2,4-Trimethylbenzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
sec-Butylbenzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,3-Dichlorobenzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
p-Isopropyltoluene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
n-Butylbenzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260D	10-2-20	10-2-20	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Hexachlorobutadiene	ND	1.0	EPA 8260D	10-2-20	10-2-20	
Naphthalene	ND	1.0	EPA 8260D	10-2-20	10-2-20	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*106*	*75-127*				
Toluene-d8	*102*	*80-127*				
4-Bromofluorobenzene	*99*	*78-125*				

Date of Report: October 8, 2020
Samples Submitted: September 30, 2020
Laboratory Reference: 2009-335
Project: 2032-012

VOLATILE ORGANICS EPA 8260D/SIM
page 1 of 2

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-2-093020**					
Laboratory ID:	09-335-02					
Dichlorodifluoromethane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Chloromethane	ND	1.0	EPA 8260D	10-2-20	10-2-20	
Vinyl Chloride	ND	0.020	EPA 8260D/SIM	10-2-20	10-2-20	
Bromomethane	ND	0.30	EPA 8260D	10-2-20	10-2-20	
Chloroethane	ND	1.0	EPA 8260D	10-2-20	10-2-20	
Trichlorofluoromethane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,1-Dichloroethene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Acetone	ND	5.0	EPA 8260D	10-2-20	10-2-20	
Iodomethane	ND	1.8	EPA 8260D	10-2-20	10-2-20	
Carbon Disulfide	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Methylene Chloride	ND	1.0	EPA 8260D	10-2-20	10-2-20	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Methyl t-Butyl Ether	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,1-Dichloroethane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Vinyl Acetate	ND	1.0	EPA 8260D	10-2-20	10-2-20	
2,2-Dichloropropane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
(cis) 1,2-Dichloroethene	0.83	0.20	EPA 8260D	10-2-20	10-2-20	
2-Butanone	ND	5.0	EPA 8260D	10-2-20	10-2-20	
Bromochloromethane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Chloroform	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Carbon Tetrachloride	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,1-Dichloropropene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Benzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,2-Dichloroethane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Trichloroethene	1.4	0.20	EPA 8260D	10-2-20	10-2-20	
1,2-Dichloropropane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Dibromomethane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Bromodichloromethane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260D	10-2-20	10-2-20	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260D	10-2-20	10-2-20	
Toluene	ND	1.0	EPA 8260D	10-2-20	10-2-20	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	10-2-20	10-2-20	

Date of Report: October 8, 2020
Samples Submitted: September 30, 2020
Laboratory Reference: 2009-335
Project: 2032-012

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-2-093020**					
Laboratory ID:	09-335-02					
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Tetrachloroethene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,3-Dichloropropane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
2-Hexanone	ND	2.0	EPA 8260D	10-2-20	10-2-20	
Dibromochloromethane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,2-Dibromoethane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Chlorobenzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Ethylbenzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
m,p-Xylene	ND	0.40	EPA 8260D	10-2-20	10-2-20	
o-Xylene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Styrene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Bromoform	ND	1.0	EPA 8260D	10-2-20	10-2-20	
Isopropylbenzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Bromobenzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
n-Propylbenzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
2-Chlorotoluene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
4-Chlorotoluene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,3,5-Trimethylbenzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
tert-Butylbenzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,2,4-Trimethylbenzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
sec-Butylbenzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,3-Dichlorobenzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
p-Isopropyltoluene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
n-Butylbenzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260D	10-2-20	10-2-20	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Hexachlorobutadiene	ND	1.0	EPA 8260D	10-2-20	10-2-20	
Naphthalene	ND	1.0	EPA 8260D	10-2-20	10-2-20	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*106*	*75-127*				
Toluene-d8	*101*	*80-127*				
4-Bromofluorobenzene	*99*	*78-125*				

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Project: 2032-012

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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-3-093020**					
Laboratory ID:	09-335-03					
Dichlorodifluoromethane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Chloromethane	ND	1.0	EPA 8260D	10-2-20	10-2-20	
Vinyl Chloride	1.1	0.20	EPA 8260D	10-2-20	10-2-20	
Bromomethane	ND	0.30	EPA 8260D	10-2-20	10-2-20	
Chloroethane	ND	1.0	EPA 8260D	10-2-20	10-2-20	
Trichlorofluoromethane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,1-Dichloroethene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Acetone	ND	5.0	EPA 8260D	10-2-20	10-2-20	
Iodomethane	ND	1.8	EPA 8260D	10-2-20	10-2-20	
Carbon Disulfide	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Methylene Chloride	ND	1.0	EPA 8260D	10-2-20	10-2-20	
(trans) 1,2-Dichloroethene	1.1	0.20	EPA 8260D	10-2-20	10-2-20	
Methyl t-Butyl Ether	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,1-Dichloroethane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Vinyl Acetate	ND	1.0	EPA 8260D	10-2-20	10-2-20	
2,2-Dichloropropane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
(cis) 1,2-Dichloroethene	6.5	0.20	EPA 8260D	10-2-20	10-2-20	
2-Butanone	ND	5.0	EPA 8260D	10-2-20	10-2-20	
Bromochloromethane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Chloroform	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Carbon Tetrachloride	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,1-Dichloropropene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Benzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,2-Dichloroethane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Trichloroethene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,2-Dichloropropane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Dibromomethane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Bromodichloromethane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260D	10-2-20	10-2-20	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260D	10-2-20	10-2-20	
Toluene	ND	1.0	EPA 8260D	10-2-20	10-2-20	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	10-2-20	10-2-20	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-3-093020**					
Laboratory ID:	09-335-03					
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Tetrachloroethene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,3-Dichloropropane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
2-Hexanone	ND	2.0	EPA 8260D	10-2-20	10-2-20	
Dibromochloromethane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,2-Dibromoethane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Chlorobenzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Ethylbenzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
m,p-Xylene	ND	0.40	EPA 8260D	10-2-20	10-2-20	
o-Xylene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Styrene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Bromoform	ND	1.0	EPA 8260D	10-2-20	10-2-20	
Isopropylbenzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Bromobenzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
n-Propylbenzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
2-Chlorotoluene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
4-Chlorotoluene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,3,5-Trimethylbenzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
tert-Butylbenzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,2,4-Trimethylbenzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
sec-Butylbenzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,3-Dichlorobenzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
p-Isopropyltoluene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
n-Butylbenzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260D	10-2-20	10-2-20	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Hexachlorobutadiene	ND	1.0	EPA 8260D	10-2-20	10-2-20	
Naphthalene	ND	1.0	EPA 8260D	10-2-20	10-2-20	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*103*	*75-127*				
Toluene-d8	*101*	*80-127*				
4-Bromofluorobenzene	*98*	*78-125*				

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Project: 2032-012

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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FMW-2-092920**					
Laboratory ID:	09-335-04					
Dichlorodifluoromethane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Chloromethane	ND	1.0	EPA 8260D	10-2-20	10-2-20	
Vinyl Chloride	0.33	0.20	EPA 8260D	10-2-20	10-2-20	
Bromomethane	ND	0.30	EPA 8260D	10-2-20	10-2-20	
Chloroethane	ND	1.0	EPA 8260D	10-2-20	10-2-20	
Trichlorofluoromethane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,1-Dichloroethene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Acetone	ND	5.0	EPA 8260D	10-2-20	10-2-20	
Iodomethane	ND	1.8	EPA 8260D	10-2-20	10-2-20	
Carbon Disulfide	0.51	0.20	EPA 8260D	10-2-20	10-2-20	
Methylene Chloride	ND	1.0	EPA 8260D	10-2-20	10-2-20	
(trans) 1,2-Dichloroethene	0.34	0.20	EPA 8260D	10-2-20	10-2-20	
Methyl t-Butyl Ether	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,1-Dichloroethane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Vinyl Acetate	ND	1.0	EPA 8260D	10-2-20	10-2-20	
2,2-Dichloropropane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
(cis) 1,2-Dichloroethene	0.26	0.20	EPA 8260D	10-2-20	10-2-20	
2-Butanone	ND	5.0	EPA 8260D	10-2-20	10-2-20	
Bromochloromethane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Chloroform	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Carbon Tetrachloride	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,1-Dichloropropene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Benzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,2-Dichloroethane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Trichloroethene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,2-Dichloropropane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Dibromomethane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Bromodichloromethane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260D	10-2-20	10-2-20	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260D	10-2-20	10-2-20	
Toluene	ND	1.0	EPA 8260D	10-2-20	10-2-20	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	10-2-20	10-2-20	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FMW-2-092920**					
Laboratory ID:	09-335-04					
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Tetrachloroethene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,3-Dichloropropane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
2-Hexanone	ND	2.0	EPA 8260D	10-2-20	10-2-20	
Dibromochloromethane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,2-Dibromoethane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Chlorobenzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Ethylbenzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
m,p-Xylene	ND	0.40	EPA 8260D	10-2-20	10-2-20	
o-Xylene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Styrene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Bromoform	ND	1.0	EPA 8260D	10-2-20	10-2-20	
Isopropylbenzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Bromobenzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
n-Propylbenzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
2-Chlorotoluene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
4-Chlorotoluene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,3,5-Trimethylbenzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
tert-Butylbenzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,2,4-Trimethylbenzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
sec-Butylbenzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,3-Dichlorobenzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
p-Isopropyltoluene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
n-Butylbenzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260D	10-2-20	10-2-20	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Hexachlorobutadiene	ND	1.0	EPA 8260D	10-2-20	10-2-20	
Naphthalene	ND	1.0	EPA 8260D	10-2-20	10-2-20	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*104*	*75-127*				
Toluene-d8	*102*	*80-127*				
4-Bromofluorobenzene	*98*	*78-125*				

Date of Report: October 8, 2020
Samples Submitted: September 30, 2020
Laboratory Reference: 2009-335
Project: 2032-012

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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FMW-3-092920**					
Laboratory ID:	09-335-05					
Dichlorodifluoromethane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Chloromethane	ND	1.0	EPA 8260D	10-2-20	10-2-20	
Vinyl Chloride	0.090	0.020	EPA 8260D/SIM	10-2-20	10-2-20	
Bromomethane	ND	0.30	EPA 8260D	10-2-20	10-2-20	
Chloroethane	ND	1.0	EPA 8260D	10-2-20	10-2-20	
Trichlorofluoromethane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,1-Dichloroethene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Acetone	ND	5.0	EPA 8260D	10-2-20	10-2-20	
Iodomethane	ND	1.8	EPA 8260D	10-2-20	10-2-20	
Carbon Disulfide	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Methylene Chloride	ND	1.0	EPA 8260D	10-2-20	10-2-20	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Methyl t-Butyl Ether	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,1-Dichloroethane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Vinyl Acetate	ND	1.0	EPA 8260D	10-2-20	10-2-20	
2,2-Dichloropropane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
(cis) 1,2-Dichloroethene	0.21	0.20	EPA 8260D	10-2-20	10-2-20	
2-Butanone	ND	5.0	EPA 8260D	10-2-20	10-2-20	
Bromochloromethane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Chloroform	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Carbon Tetrachloride	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,1-Dichloropropene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Benzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,2-Dichloroethane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Trichloroethene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,2-Dichloropropane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Dibromomethane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Bromodichloromethane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260D	10-2-20	10-2-20	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260D	10-2-20	10-2-20	
Toluene	ND	1.0	EPA 8260D	10-2-20	10-2-20	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	10-2-20	10-2-20	

Date of Report: October 8, 2020
Samples Submitted: September 30, 2020
Laboratory Reference: 2009-335
Project: 2032-012

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FMW-3-092920**					
Laboratory ID:	09-335-05					
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Tetrachloroethene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,3-Dichloropropane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
2-Hexanone	ND	2.0	EPA 8260D	10-2-20	10-2-20	
Dibromochloromethane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,2-Dibromoethane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Chlorobenzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Ethylbenzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
m,p-Xylene	ND	0.40	EPA 8260D	10-2-20	10-2-20	
o-Xylene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Styrene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Bromoform	ND	1.0	EPA 8260D	10-2-20	10-2-20	
Isopropylbenzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Bromobenzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
n-Propylbenzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
2-Chlorotoluene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
4-Chlorotoluene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,3,5-Trimethylbenzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
tert-Butylbenzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,2,4-Trimethylbenzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
sec-Butylbenzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,3-Dichlorobenzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
p-Isopropyltoluene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
n-Butylbenzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260D	10-2-20	10-2-20	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Hexachlorobutadiene	ND	1.0	EPA 8260D	10-2-20	10-2-20	
Naphthalene	ND	1.0	EPA 8260D	10-2-20	10-2-20	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*104*	*75-127*				
Toluene-d8	*101*	*80-127*				
4-Bromofluorobenzene	*96*	*78-125*				

Date of Report: October 8, 2020
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Project: 2032-012

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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FMW-4-093020**					
Laboratory ID:	09-335-06					
Dichlorodifluoromethane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Chloromethane	ND	1.0	EPA 8260D	10-2-20	10-2-20	
Vinyl Chloride	4.3	0.20	EPA 8260D	10-2-20	10-2-20	
Bromomethane	ND	0.30	EPA 8260D	10-2-20	10-2-20	
Chloroethane	ND	1.0	EPA 8260D	10-2-20	10-2-20	
Trichlorofluoromethane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,1-Dichloroethene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Acetone	ND	5.0	EPA 8260D	10-2-20	10-2-20	
Iodomethane	ND	1.8	EPA 8260D	10-2-20	10-2-20	
Carbon Disulfide	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Methylene Chloride	ND	1.0	EPA 8260D	10-2-20	10-2-20	
(trans) 1,2-Dichloroethene	1.0	0.20	EPA 8260D	10-2-20	10-2-20	
Methyl t-Butyl Ether	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,1-Dichloroethane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Vinyl Acetate	ND	1.0	EPA 8260D	10-2-20	10-2-20	
2,2-Dichloropropane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
(cis) 1,2-Dichloroethene	10	0.20	EPA 8260D	10-2-20	10-2-20	
2-Butanone	ND	5.0	EPA 8260D	10-2-20	10-2-20	
Bromochloromethane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Chloroform	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Carbon Tetrachloride	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,1-Dichloropropene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Benzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,2-Dichloroethane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Trichloroethene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,2-Dichloropropane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Dibromomethane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Bromodichloromethane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260D	10-2-20	10-2-20	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260D	10-2-20	10-2-20	
Toluene	ND	1.0	EPA 8260D	10-2-20	10-2-20	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	10-2-20	10-2-20	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FMW-4-093020**					
Laboratory ID:	09-335-06					
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Tetrachloroethene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,3-Dichloropropane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
2-Hexanone	ND	2.0	EPA 8260D	10-2-20	10-2-20	
Dibromochloromethane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,2-Dibromoethane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Chlorobenzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Ethylbenzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
m,p-Xylene	ND	0.40	EPA 8260D	10-2-20	10-2-20	
o-Xylene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Styrene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Bromoform	ND	1.0	EPA 8260D	10-2-20	10-2-20	
Isopropylbenzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Bromobenzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
n-Propylbenzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
2-Chlorotoluene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
4-Chlorotoluene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,3,5-Trimethylbenzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
tert-Butylbenzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,2,4-Trimethylbenzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
sec-Butylbenzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,3-Dichlorobenzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
p-Isopropyltoluene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
n-Butylbenzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260D	10-2-20	10-2-20	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Hexachlorobutadiene	ND	1.0	EPA 8260D	10-2-20	10-2-20	
Naphthalene	ND	1.0	EPA 8260D	10-2-20	10-2-20	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*105*	*75-127*				
Toluene-d8	*103*	*80-127*				
4-Bromofluorobenzene	*99*	*78-125*				

Date of Report: October 8, 2020
Samples Submitted: September 30, 2020
Laboratory Reference: 2009-335
Project: 2032-012

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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FMW-5-092920**					
Laboratory ID:	09-335-07					
Dichlorodifluoromethane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Chloromethane	ND	1.0	EPA 8260D	10-2-20	10-2-20	
Vinyl Chloride	ND	0.020	EPA 8260D/SIM	10-2-20	10-2-20	
Bromomethane	ND	0.30	EPA 8260D	10-2-20	10-2-20	
Chloroethane	ND	1.0	EPA 8260D	10-2-20	10-2-20	
Trichlorofluoromethane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,1-Dichloroethene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Acetone	ND	5.0	EPA 8260D	10-2-20	10-2-20	
Iodomethane	ND	1.8	EPA 8260D	10-2-20	10-2-20	
Carbon Disulfide	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Methylene Chloride	ND	1.0	EPA 8260D	10-2-20	10-2-20	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Methyl t-Butyl Ether	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,1-Dichloroethane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Vinyl Acetate	ND	1.0	EPA 8260D	10-2-20	10-2-20	
2,2-Dichloropropane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
2-Butanone	ND	5.0	EPA 8260D	10-2-20	10-2-20	
Bromochloromethane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Chloroform	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Carbon Tetrachloride	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,1-Dichloropropene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Benzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,2-Dichloroethane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Trichloroethene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,2-Dichloropropane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Dibromomethane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Bromodichloromethane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260D	10-2-20	10-2-20	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260D	10-2-20	10-2-20	
Toluene	ND	1.0	EPA 8260D	10-2-20	10-2-20	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	10-2-20	10-2-20	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FMW-5-092920**					
Laboratory ID:	09-335-07					
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Tetrachloroethene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,3-Dichloropropane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
2-Hexanone	ND	2.0	EPA 8260D	10-2-20	10-2-20	
Dibromochloromethane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,2-Dibromoethane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Chlorobenzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Ethylbenzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
m,p-Xylene	ND	0.40	EPA 8260D	10-2-20	10-2-20	
o-Xylene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Styrene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Bromoform	ND	1.0	EPA 8260D	10-2-20	10-2-20	
Isopropylbenzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Bromobenzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
n-Propylbenzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
2-Chlorotoluene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
4-Chlorotoluene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,3,5-Trimethylbenzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
tert-Butylbenzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,2,4-Trimethylbenzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
sec-Butylbenzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,3-Dichlorobenzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
p-Isopropyltoluene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
n-Butylbenzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260D	10-2-20	10-2-20	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Hexachlorobutadiene	ND	1.0	EPA 8260D	10-2-20	10-2-20	
Naphthalene	ND	1.0	EPA 8260D	10-2-20	10-2-20	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*103*	*75-127*				
Toluene-d8	*101*	*80-127*				
4-Bromofluorobenzene	*98*	*78-125*				

Date of Report: October 8, 2020
Samples Submitted: September 30, 2020
Laboratory Reference: 2009-335
Project: 2032-012

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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FMW-6-092920**					
Laboratory ID:	09-335-08					
Dichlorodifluoromethane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Chloromethane	ND	1.0	EPA 8260D	10-2-20	10-2-20	
Vinyl Chloride	2.1	0.20	EPA 8260D	10-2-20	10-2-20	
Bromomethane	ND	0.30	EPA 8260D	10-2-20	10-2-20	
Chloroethane	ND	1.0	EPA 8260D	10-2-20	10-2-20	
Trichlorofluoromethane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,1-Dichloroethene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Acetone	ND	5.0	EPA 8260D	10-2-20	10-2-20	
Iodomethane	ND	1.8	EPA 8260D	10-2-20	10-2-20	
Carbon Disulfide	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Methylene Chloride	ND	1.0	EPA 8260D	10-2-20	10-2-20	
(trans) 1,2-Dichloroethene	0.31	0.20	EPA 8260D	10-2-20	10-2-20	
Methyl t-Butyl Ether	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,1-Dichloroethane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Vinyl Acetate	ND	1.0	EPA 8260D	10-2-20	10-2-20	
2,2-Dichloropropane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
(cis) 1,2-Dichloroethene	2.6	0.20	EPA 8260D	10-2-20	10-2-20	
2-Butanone	ND	5.0	EPA 8260D	10-2-20	10-2-20	
Bromochloromethane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Chloroform	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Carbon Tetrachloride	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,1-Dichloropropene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Benzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,2-Dichloroethane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Trichloroethene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,2-Dichloropropane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Dibromomethane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Bromodichloromethane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260D	10-2-20	10-2-20	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260D	10-2-20	10-2-20	
Toluene	ND	1.0	EPA 8260D	10-2-20	10-2-20	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	10-2-20	10-2-20	

Date of Report: October 8, 2020
Samples Submitted: September 30, 2020
Laboratory Reference: 2009-335
Project: 2032-012

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FMW-6-092920**					
Laboratory ID:	09-335-08					
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Tetrachloroethene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,3-Dichloropropane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
2-Hexanone	ND	2.0	EPA 8260D	10-2-20	10-2-20	
Dibromochloromethane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,2-Dibromoethane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Chlorobenzene	1.1	0.20	EPA 8260D	10-2-20	10-2-20	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Ethylbenzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
m,p-Xylene	ND	0.40	EPA 8260D	10-2-20	10-2-20	
o-Xylene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Styrene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Bromoform	ND	1.0	EPA 8260D	10-2-20	10-2-20	
Isopropylbenzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Bromobenzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
n-Propylbenzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
2-Chlorotoluene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
4-Chlorotoluene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,3,5-Trimethylbenzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
tert-Butylbenzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,2,4-Trimethylbenzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
sec-Butylbenzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,3-Dichlorobenzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
p-Isopropyltoluene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,4-Dichlorobenzene	0.38	0.20	EPA 8260D	10-2-20	10-2-20	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
n-Butylbenzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260D	10-2-20	10-2-20	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Hexachlorobutadiene	ND	1.0	EPA 8260D	10-2-20	10-2-20	
Naphthalene	ND	1.0	EPA 8260D	10-2-20	10-2-20	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*105*	*75-127*				
Toluene-d8	*102*	*80-127*				
4-Bromofluorobenzene	*98*	*78-125*				

Date of Report: October 8, 2020
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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FMW-7-092920**					
Laboratory ID:	09-335-09					
Dichlorodifluoromethane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Chloromethane	ND	1.0	EPA 8260D	10-2-20	10-2-20	
Vinyl Chloride	ND	0.020	EPA 8260D/SIM	10-2-20	10-2-20	
Bromomethane	ND	0.30	EPA 8260D	10-2-20	10-2-20	
Chloroethane	ND	1.0	EPA 8260D	10-2-20	10-2-20	
Trichlorofluoromethane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,1-Dichloroethene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Acetone	ND	5.0	EPA 8260D	10-2-20	10-2-20	
Iodomethane	ND	1.8	EPA 8260D	10-2-20	10-2-20	
Carbon Disulfide	0.41	0.20	EPA 8260D	10-2-20	10-2-20	
Methylene Chloride	ND	1.0	EPA 8260D	10-2-20	10-2-20	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Methyl t-Butyl Ether	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,1-Dichloroethane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Vinyl Acetate	ND	1.0	EPA 8260D	10-2-20	10-2-20	
2,2-Dichloropropane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
2-Butanone	ND	5.0	EPA 8260D	10-2-20	10-2-20	
Bromochloromethane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Chloroform	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Carbon Tetrachloride	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,1-Dichloropropene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Benzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,2-Dichloroethane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Trichloroethene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,2-Dichloropropane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Dibromomethane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Bromodichloromethane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260D	10-2-20	10-2-20	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260D	10-2-20	10-2-20	
Toluene	ND	1.0	EPA 8260D	10-2-20	10-2-20	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	10-2-20	10-2-20	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FMW-7-092920**					
Laboratory ID:	09-335-09					
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Tetrachloroethene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,3-Dichloropropane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
2-Hexanone	ND	2.0	EPA 8260D	10-2-20	10-2-20	
Dibromochloromethane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,2-Dibromoethane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Chlorobenzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Ethylbenzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
m,p-Xylene	ND	0.40	EPA 8260D	10-2-20	10-2-20	
o-Xylene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Styrene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Bromoform	ND	1.0	EPA 8260D	10-2-20	10-2-20	
Isopropylbenzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Bromobenzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
n-Propylbenzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
2-Chlorotoluene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
4-Chlorotoluene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,3,5-Trimethylbenzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
tert-Butylbenzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,2,4-Trimethylbenzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
sec-Butylbenzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,3-Dichlorobenzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
p-Isopropyltoluene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
n-Butylbenzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260D	10-2-20	10-2-20	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Hexachlorobutadiene	ND	1.0	EPA 8260D	10-2-20	10-2-20	
Naphthalene	ND	1.0	EPA 8260D	10-2-20	10-2-20	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*105*	*75-127*				
Toluene-d8	*102*	*80-127*				
4-Bromofluorobenzene	*99*	*78-125*				

Date of Report: October 8, 2020
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Project: 2032-012

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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FMW-8-092920**					
Laboratory ID:	09-335-10					
Dichlorodifluoromethane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Chloromethane	ND	1.0	EPA 8260D	10-2-20	10-2-20	
Vinyl Chloride	ND	0.020	EPA 8260D/SIM	10-2-20	10-2-20	
Bromomethane	ND	0.30	EPA 8260D	10-2-20	10-2-20	
Chloroethane	ND	1.0	EPA 8260D	10-2-20	10-2-20	
Trichlorofluoromethane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,1-Dichloroethene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Acetone	ND	5.0	EPA 8260D	10-2-20	10-2-20	
Iodomethane	ND	1.8	EPA 8260D	10-2-20	10-2-20	
Carbon Disulfide	4.7	0.20	EPA 8260D	10-2-20	10-2-20	
Methylene Chloride	ND	1.0	EPA 8260D	10-2-20	10-2-20	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Methyl t-Butyl Ether	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,1-Dichloroethane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Vinyl Acetate	ND	1.0	EPA 8260D	10-2-20	10-2-20	
2,2-Dichloropropane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
2-Butanone	ND	5.0	EPA 8260D	10-2-20	10-2-20	
Bromochloromethane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Chloroform	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Carbon Tetrachloride	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,1-Dichloropropene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Benzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,2-Dichloroethane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Trichloroethene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,2-Dichloropropane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Dibromomethane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Bromodichloromethane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260D	10-2-20	10-2-20	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260D	10-2-20	10-2-20	
Toluene	ND	1.0	EPA 8260D	10-2-20	10-2-20	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	10-2-20	10-2-20	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FMW-8-092920**					
Laboratory ID:	09-335-10					
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Tetrachloroethene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,3-Dichloropropane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
2-Hexanone	ND	2.0	EPA 8260D	10-2-20	10-2-20	
Dibromochloromethane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,2-Dibromoethane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Chlorobenzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Ethylbenzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
m,p-Xylene	ND	0.40	EPA 8260D	10-2-20	10-2-20	
o-Xylene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Styrene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Bromoform	ND	1.0	EPA 8260D	10-2-20	10-2-20	
Isopropylbenzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Bromobenzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
n-Propylbenzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
2-Chlorotoluene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
4-Chlorotoluene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,3,5-Trimethylbenzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
tert-Butylbenzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,2,4-Trimethylbenzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
sec-Butylbenzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,3-Dichlorobenzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
p-Isopropyltoluene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
n-Butylbenzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260D	10-2-20	10-2-20	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Hexachlorobutadiene	ND	1.0	EPA 8260D	10-2-20	10-2-20	
Naphthalene	ND	1.0	EPA 8260D	10-2-20	10-2-20	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*103*	*75-127*				
Toluene-d8	*99*	*80-127*				
4-Bromofluorobenzene	*96*	*78-125*				

Date of Report: October 8, 2020
Samples Submitted: September 30, 2020
Laboratory Reference: 2009-335
Project: 2032-012

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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FMW-9-093020**					
Laboratory ID:	09-335-11					
Dichlorodifluoromethane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Chloromethane	ND	1.0	EPA 8260D	10-2-20	10-2-20	
Vinyl Chloride	0.14	0.020	EPA 8260D/SIM	10-2-20	10-2-20	
Bromomethane	ND	0.30	EPA 8260D	10-2-20	10-2-20	
Chloroethane	ND	1.0	EPA 8260D	10-2-20	10-2-20	
Trichlorofluoromethane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,1-Dichloroethene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Acetone	ND	5.0	EPA 8260D	10-2-20	10-2-20	
Iodomethane	ND	1.8	EPA 8260D	10-2-20	10-2-20	
Carbon Disulfide	0.36	0.20	EPA 8260D	10-2-20	10-2-20	
Methylene Chloride	ND	1.0	EPA 8260D	10-2-20	10-2-20	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Methyl t-Butyl Ether	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,1-Dichloroethane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Vinyl Acetate	ND	1.0	EPA 8260D	10-2-20	10-2-20	
2,2-Dichloropropane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
(cis) 1,2-Dichloroethene	1.3	0.20	EPA 8260D	10-2-20	10-2-20	
2-Butanone	ND	5.0	EPA 8260D	10-2-20	10-2-20	
Bromochloromethane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Chloroform	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Carbon Tetrachloride	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,1-Dichloropropene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Benzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,2-Dichloroethane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Trichloroethene	0.30	0.20	EPA 8260D	10-2-20	10-2-20	
1,2-Dichloropropane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Dibromomethane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Bromodichloromethane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260D	10-2-20	10-2-20	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260D	10-2-20	10-2-20	
Toluene	ND	1.0	EPA 8260D	10-2-20	10-2-20	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	10-2-20	10-2-20	

Date of Report: October 8, 2020
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Project: 2032-012

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FMW-9-093020**					
Laboratory ID:	09-335-11					
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Tetrachloroethene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,3-Dichloropropane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
2-Hexanone	ND	2.0	EPA 8260D	10-2-20	10-2-20	
Dibromochloromethane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,2-Dibromoethane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Chlorobenzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Ethylbenzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
m,p-Xylene	ND	0.40	EPA 8260D	10-2-20	10-2-20	
o-Xylene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Styrene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Bromoform	ND	1.0	EPA 8260D	10-2-20	10-2-20	
Isopropylbenzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Bromobenzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
n-Propylbenzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
2-Chlorotoluene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
4-Chlorotoluene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,3,5-Trimethylbenzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
tert-Butylbenzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,2,4-Trimethylbenzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
sec-Butylbenzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,3-Dichlorobenzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
p-Isopropyltoluene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
n-Butylbenzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260D	10-2-20	10-2-20	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Hexachlorobutadiene	ND	1.0	EPA 8260D	10-2-20	10-2-20	
Naphthalene	ND	1.0	EPA 8260D	10-2-20	10-2-20	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*105*	*75-127*				
Toluene-d8	*101*	*80-127*				
4-Bromofluorobenzene	*96*	*78-125*				

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QUALITY CONTROL
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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1002W1					
Dichlorodifluoromethane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Chloromethane	ND	1.0	EPA 8260D	10-2-20	10-2-20	
Vinyl Chloride	ND	0.020	EPA 8260D/SIM	10-2-20	10-2-20	
Bromomethane	ND	0.30	EPA 8260D	10-2-20	10-2-20	
Chloroethane	ND	1.0	EPA 8260D	10-2-20	10-2-20	
Trichlorofluoromethane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,1-Dichloroethene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Acetone	ND	5.0	EPA 8260D	10-2-20	10-2-20	
Iodomethane	ND	1.8	EPA 8260D	10-2-20	10-2-20	
Carbon Disulfide	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Methylene Chloride	ND	1.0	EPA 8260D	10-2-20	10-2-20	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Methyl t-Butyl Ether	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,1-Dichloroethane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Vinyl Acetate	ND	1.0	EPA 8260D	10-2-20	10-2-20	
2,2-Dichloropropane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
2-Butanone	ND	5.0	EPA 8260D	10-2-20	10-2-20	
Bromochloromethane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Chloroform	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Carbon Tetrachloride	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,1-Dichloropropene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Benzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,2-Dichloroethane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Trichloroethene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,2-Dichloropropane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Dibromomethane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Bromodichloromethane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260D	10-2-20	10-2-20	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260D	10-2-20	10-2-20	
Toluene	ND	1.0	EPA 8260D	10-2-20	10-2-20	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	10-2-20	10-2-20	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1002W1					
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Tetrachloroethene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,3-Dichloropropane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
2-Hexanone	ND	2.0	EPA 8260D	10-2-20	10-2-20	
Dibromochloromethane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,2-Dibromoethane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Chlorobenzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Ethylbenzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
m,p-Xylene	ND	0.40	EPA 8260D	10-2-20	10-2-20	
o-Xylene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Styrene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Bromoform	ND	1.0	EPA 8260D	10-2-20	10-2-20	
Isopropylbenzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Bromobenzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	10-2-20	10-2-20	
n-Propylbenzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
2-Chlorotoluene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
4-Chlorotoluene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,3,5-Trimethylbenzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
tert-Butylbenzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,2,4-Trimethylbenzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
sec-Butylbenzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,3-Dichlorobenzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
p-Isopropyltoluene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
n-Butylbenzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260D	10-2-20	10-2-20	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Hexachlorobutadiene	ND	1.0	EPA 8260D	10-2-20	10-2-20	
Naphthalene	ND	1.0	EPA 8260D	10-2-20	10-2-20	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260D	10-2-20	10-2-20	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*106*	*75-127*				
Toluene-d8	*104*	*80-127*				
4-Bromofluorobenzene	*102*	*78-125*				

Date of Report: October 8, 2020
Samples Submitted: September 30, 2020
Laboratory Reference: 2009-335
Project: 2032-012

VOLATILE ORGANICS EPA 8260D/SIM
QUALITY CONTROL

Matrix: Water
Units: ug/L

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
MATRIX SPIKES											
Laboratory ID:	10-005-03										
	MS	MSD	MS	MSD		MS	MSD				
1,1-Dichloroethene	**10.3**	**10.2**	10.0	10.0	ND	103	102	68-122	1	15	
Benzene	**10.3**	**10.6**	10.0	10.0	ND	103	106	70-121	3	16	
Trichloroethene	**12.7**	**12.8**	10.0	10.0	2.39	103	104	80-121	1	17	
Toluene	**10.0**	**10.1**	10.0	10.0	ND	100	101	78-117	1	19	
Chlorobenzene	**9.97**	**10.0**	10.0	10.0	ND	100	100	80-120	0	16	
Surrogate:											
Dibromofluoromethane						*107*	*107*	*75-127*			
Toluene-d8						*105*	*105*	*80-127*			
4-Bromofluorobenzene						*104*	*104*	*78-125*			

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Project: 2032-012

TOTAL METALS
EPA 200.8/7470A

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FMW-2-092920**					
Laboratory ID:	09-335-04					
Arsenic	**ND**	3.3	EPA 200.8	10-2-20	10-2-20	
Cadmium	**ND**	4.4	EPA 200.8	10-2-20	10-2-20	
Chromium	**ND**	11	EPA 200.8	10-2-20	10-2-20	
Lead	**ND**	1.1	EPA 200.8	10-2-20	10-2-20	
Mercury	**ND**	0.50	EPA 7470A	10-2-20	10-2-20	
Client ID:	**FMW-3-092920**					
Laboratory ID:	09-335-05					
Arsenic	**31**	3.3	EPA 200.8	10-2-20	10-2-20	
Cadmium	**ND**	4.4	EPA 200.8	10-2-20	10-2-20	
Chromium	**ND**	11	EPA 200.8	10-2-20	10-2-20	
Lead	**ND**	1.1	EPA 200.8	10-2-20	10-2-20	
Mercury	**ND**	0.50	EPA 7470A	10-2-20	10-2-20	
Client ID:	**FMW-5-092920**					
Laboratory ID:	09-335-07					
Arsenic	**8.8**	3.3	EPA 200.8	10-2-20	10-2-20	
Cadmium	**ND**	4.4	EPA 200.8	10-2-20	10-2-20	
Chromium	**ND**	11	EPA 200.8	10-2-20	10-2-20	
Lead	**1.4**	1.1	EPA 200.8	10-2-20	10-2-20	
Mercury	**ND**	0.50	EPA 7470A	10-2-20	10-2-20	
Client ID:	**FMW-6-092920**					
Laboratory ID:	09-335-08					
Arsenic	**4.2**	3.3	EPA 200.8	10-2-20	10-2-20	
Cadmium	**ND**	4.4	EPA 200.8	10-2-20	10-2-20	
Chromium	**ND**	11	EPA 200.8	10-2-20	10-2-20	
Lead	**ND**	1.1	EPA 200.8	10-2-20	10-2-20	
Mercury	**ND**	0.50	EPA 7470A	10-2-20	10-2-20	

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Project: 2032-012

TOTAL METALS
EPA 200.8/7470A

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FMW-7-092920**					
Laboratory ID:	09-335-09					
Arsenic	**6.4**	3.3	EPA 200.8	10-2-20	10-2-20	
Cadmium	**ND**	4.4	EPA 200.8	10-2-20	10-2-20	
Chromium	**ND**	11	EPA 200.8	10-2-20	10-2-20	
Lead	**ND**	1.1	EPA 200.8	10-2-20	10-2-20	
Mercury	**ND**	0.50	EPA 7470A	10-2-20	10-2-20	
Client ID:	**FMW-8-092920**					
Laboratory ID:	09-335-10					
Arsenic	**5.0**	3.3	EPA 200.8	10-2-20	10-2-20	
Cadmium	**ND**	4.4	EPA 200.8	10-2-20	10-2-20	
Chromium	**ND**	11	EPA 200.8	10-2-20	10-2-20	
Lead	**ND**	1.1	EPA 200.8	10-2-20	10-2-20	
Mercury	**ND**	0.50	EPA 7470A	10-2-20	10-2-20	
Client ID:	**FMW-9-093020**					
Laboratory ID:	09-335-11					
Arsenic	**4.0**	3.3	EPA 200.8	10-2-20	10-2-20	
Cadmium	**ND**	4.4	EPA 200.8	10-2-20	10-2-20	
Chromium	**ND**	11	EPA 200.8	10-2-20	10-2-20	
Lead	**ND**	1.1	EPA 200.8	10-2-20	10-2-20	
Mercury	**ND**	0.50	EPA 7470A	10-2-20	10-2-20	

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Project: 2032-012

TOTAL METALS
EPA 200.8/7470A
QUALITY CONTROL

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1002WM1					
Arsenic	**ND**	3.3	EPA 200.8	10-2-20	10-2-20	
Cadmium	**ND**	4.4	EPA 200.8	10-2-20	10-2-20	
Chromium	**ND**	11	EPA 200.8	10-2-20	10-2-20	
Lead	**ND**	1.1	EPA 200.8	10-2-20	10-2-20	
Laboratory ID:	MB1002W1					
Mercury	**ND**	0.50	EPA 7470A	10-2-20	10-2-20	

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	09-335-04										
	ORIG	DUP									
Arsenic	**ND**	**ND**	NA	NA		NA		NA	NA	20	
Cadmium	**ND**	**ND**	NA	NA		NA		NA	NA	20	
Chromium	**ND**	**ND**	NA	NA		NA		NA	NA	20	
Lead	**ND**	**ND**	NA	NA		NA		NA	NA	20	
Laboratory ID:	10-007-01										
Mercury	**ND**	**ND**	NA	NA		NA		NA	NA	20	
MATRIX SPIKES											
Laboratory ID:	09-335-04										
	MS	MSD	MS	MSD		MS	MSD				
Arsenic	**124**	**128**	111	111	ND	**111**	**115**	75-125	3	20	
Cadmium	**111**	**114**	111	111	ND	**100**	**103**	75-125	2	20	
Chromium	**108**	**112**	111	111	ND	**98**	**101**	75-125	4	20	
Lead	**99.1**	**103**	111	111	ND	**89**	**93**	75-125	4	20	
Laboratory ID:	10-007-01										
Mercury	**11.9**	**11.7**	12.5	12.5	ND	**95**	**93**	75-125	2	20	

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Project: 2032-012

DISSOLVED METALS
EPA 200.8/7470A

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FMW-2-092920**					
Laboratory ID:	09-335-04					
Arsenic	**ND**	3.0	EPA 200.8		10-2-20	
Cadmium	**ND**	4.0	EPA 200.8		10-2-20	
Chromium	**ND**	10	EPA 200.8		10-2-20	
Lead	**ND**	1.0	EPA 200.8		10-2-20	
Mercury	**ND**	0.50	EPA 7470A		10-2-20	
Client ID:	**FMW-3-092920**					
Laboratory ID:	09-335-05					
Arsenic	**32**	3.0	EPA 200.8		10-2-20	
Cadmium	**ND**	4.0	EPA 200.8		10-2-20	
Chromium	**ND**	10	EPA 200.8		10-2-20	
Lead	**ND**	1.0	EPA 200.8		10-2-20	
Mercury	**ND**	0.50	EPA 7470A		10-2-20	
Client ID:	**FMW-5-092920**					
Laboratory ID:	09-335-07					
Arsenic	**7.6**	3.0	EPA 200.8		10-2-20	
Cadmium	**ND**	4.0	EPA 200.8		10-2-20	
Chromium	**ND**	10	EPA 200.8		10-2-20	
Lead	**ND**	1.0	EPA 200.8		10-2-20	
Mercury	**ND**	0.50	EPA 7470A		10-2-20	
Client ID:	**FMW-6-092920**					
Laboratory ID:	09-335-08					
Arsenic	**4.3**	3.0	EPA 200.8		10-2-20	
Cadmium	**ND**	4.0	EPA 200.8		10-2-20	
Chromium	**ND**	10	EPA 200.8		10-2-20	
Lead	**ND**	1.0	EPA 200.8		10-2-20	
Mercury	**ND**	0.50	EPA 7470A		10-2-20	

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DISSOLVED METALS
EPA 200.8/7470A

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FMW-7-092920**					
Laboratory ID:	09-335-09					
Arsenic	**6.5**	3.0	EPA 200.8		10-2-20	
Cadmium	**ND**	4.0	EPA 200.8		10-2-20	
Chromium	**ND**	10	EPA 200.8		10-2-20	
Lead	**ND**	1.0	EPA 200.8		10-2-20	
Mercury	**ND**	0.50	EPA 7470A		10-2-20	
Client ID:	**FMW-8-092920**					
Laboratory ID:	09-335-10					
Arsenic	**5.6**	3.0	EPA 200.8		10-2-20	
Cadmium	**ND**	4.0	EPA 200.8		10-2-20	
Chromium	**ND**	10	EPA 200.8		10-2-20	
Lead	**ND**	1.0	EPA 200.8		10-2-20	
Mercury	**ND**	0.50	EPA 7470A		10-2-20	
Client ID:	**FMW-9-093020**					
Laboratory ID:	09-335-11					
Arsenic	**3.5**	3.0	EPA 200.8		10-2-20	
Cadmium	**ND**	4.0	EPA 200.8		10-2-20	
Chromium	**ND**	10	EPA 200.8		10-2-20	
Lead	**ND**	1.0	EPA 200.8		10-2-20	
Mercury	**ND**	0.50	EPA 7470A		10-2-20	

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Project: 2032-012

DISSOLVED METALS
EPA 200.8/7470A
QUALITY CONTROL

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1002D1					
Arsenic	**ND**	3.0	EPA 200.8		10-2-20	
Cadmium	**ND**	4.0	EPA 200.8		10-2-20	
Chromium	**ND**	10	EPA 200.8		10-2-20	
Lead	**ND**	1.0	EPA 200.8		10-2-20	
Laboratory ID:	MB1002D1					
Mercury	**ND**	0.50	EPA 7470A		10-2-20	

Analyte	Result		Spike Level		Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE										
Laboratory ID:	09-335-04									
	ORIG	DUP								
Arsenic	**ND**	**ND**	NA	NA		NA	NA	NA	20	
Cadmium	**ND**	**ND**	NA	NA		NA	NA	NA	20	
Chromium	**ND**	**ND**	NA	NA		NA	NA	NA	20	
Lead	**ND**	**ND**	NA	NA		NA	NA	NA	20	
Laboratory ID:	09-335-04									
Mercury	**ND**	**ND**	NA	NA		NA	NA	NA	20	
MATRIX SPIKES										
Laboratory ID:	09-335-04									
	MS	MSD	MS	MSD		MS	MSD			
Arsenic	**88.2**	**89.4**	80.0	80.0	ND	**110**	**112**	75-125	1	20
Cadmium	**78.0**	**79.2**	80.0	80.0	ND	**98**	**99**	75-125	2	20
Chromium	**74.6**	**74.2**	80.0	80.0	ND	**93**	**93**	75-125	1	20
Lead	**71.2**	**71.8**	80.0	80.0	ND	**89**	**90**	75-125	1	20
Laboratory ID:	09-335-04									
Mercury	**11.5**	**11.6**	12.5	12.5	ND	**92**	**93**	75-125	1	20

OnSite Environmental Inc.

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 -

ND - Not Detected at PQL
PQL - Practical Quantitation Limit
RPD - Relative Percent Difference

Chain of Custody

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

Company: Farallon
Project Number: 2032-012
Project Name: 2032-012
Project Manager: Pete Kingston
Sampled by: Y. Pehlivan

Turnaround Request (in working days)

(Check One)

- ☐ Same Day
- ☐ 1 Day
- ☐ 2 Days
- ☐ 3 Days
- ☒ Standard (7 Days) (TPH analysis 5 Days)
- ☐ _____ (other)

Laboratory Number: 09-335

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx (☐ Acid / SG Clean-up)	Volatiles 8260C	Halogenated Volatiles 8260C	EDB EPA 8011 (Waters Only)	Semivolatiles 8270D/SIM (with low-level PAHs)	PAHs 8270D/SIM (low-level)	PCBs 8082A	Organochlorine Pesticides 8081B	Organophosphorus Pesticides 8270D/SIM	Chlorinated Acid Herbicides 8151A	Total RCRA Metals	Total MTCA Metals + Dissolved	TCLP Metals	HEM (oil and grease) 1664A					% Moisture
1	MW-1-093020	9/30/20	1055	W	5				X	X STM																	
2	MW-2-093020	9/30/20	1015		5				X	X																	
3	MW-3-093020	9/30/20	0920		5				X	X																	
4	FMW-2-092920	9/29/20	1500		7				X	X										X							
5	FMW-3-092920	9/29/20	1600		7				X	X										X							
6	FMW-4-093020	9/30/20	1215		5				X	X																	
7	FMW-5-092920	9/29/20	1055		7				X	X										X							
8	FMW-6-092920	9/29/20	1415		7				X	X										X							
9	FMW-7-092920	9/29/20	1150		7				X	X										X							
10	FMW-8-092920	9/29/20	1245		7				X	X										X							

	Signature	Company	Date	Time
Relinquished		Farallon	9/30/20	1555
Received	Peter Bocko	Speedy	9-30-20	1625
Relinquished	Peter Bocko	Speedy	9-30-20	1715
Received		OSE	9/30/20	1715
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions

Data Package: Standard ☐ Level III ☐ Level IV ☐

Chromatograms with final report ☐ Electronic Data Deliverables (EDDs) ☐

Chain of Custody

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

Company: Forallen
Project Number: 2032-012
Project Name: 2032-012
Project Manager: Pete Kingston
Sampled by: Y. Pchlivan

Turnaround Request (in working days)
(Check One)
☐ Same Day ☐ 1 Day
☐ 2 Days ☐ 3 Days
☒ Standard (7 Days) (TPH analysis 5 Days)
☐ _____ (other)

Laboratory Number: 09-335

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx (☐ Acid / SG Clean-up)	Volatiles 8260C SIM	Halogenated Volatiles 8260C	EDB EPA 8011 (Waters Only)	Semivolatiles 8270D/SIM (with low-level PAHs)	PAHs 8270D/SIM (low-level)	PCBs 8082A	Organochlorine Pesticides 8081B	Organophosphorus Pesticides 8270D/SIM	Chlorinated Acid Herbicides 8151A	Total RCRA Metals	Total MTCA Metals + Dissolved	TCLP Metals	HEM (oil and grease) 1664A					% Moisture
11	FMW-9-093020	9/30/20	1315	W	7				X	X										X							

	Signature	Company	Date	Time	Comments/Special Instructions
Relinquished		Forallen	9/30/20	1555	
Received		Speedy	9-30-20	1625	
Relinquished		Speedy	9-30-20	1715	
Received		QSE	9/30/20	1715	
Relinquished					
Received					Data Package: Standard ☐ Level III ☐ Level IV ☐
Reviewed/Date		Reviewed/Date			Chromatograms with final report ☐ Electronic Data Deliverables (EDDs) ☐

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

March 19, 2021

Pete Kingston
Farallon Consulting
1809 7th Avenue, Suite 1111
Seattle, WA 98101

Re: Analytical Data for Project 2032-012
Laboratory Reference No. 2103-128

Dear Pete:

Enclosed are the analytical results and associated quality control data for samples submitted on March 11, 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: March 19, 2021
Samples Submitted: March 11, 2021
Laboratory Reference: 2103-128
Project: 2032-012

Case Narrative

Samples were collected on March 10, 2021 and received by the laboratory on March 11, 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: March 19, 2021
Samples Submitted: March 11, 2021
Laboratory Reference: 2103-128
Project: 2032-012

VOLATILE ORGANICS EPA 8260D/SIM
page 1 of 2

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FMW-5-20210310**					
Laboratory ID:	03-128-01					
Dichlorodifluoromethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Chloromethane	ND	1.0	EPA 8260D	3-12-21	3-12-21	
Vinyl Chloride	ND	0.020	EPA 8260D/SIM	3-12-21	3-12-21	
Bromomethane	ND	0.28	EPA 8260D	3-12-21	3-12-21	
Chloroethane	ND	1.3	EPA 8260D	3-12-21	3-12-21	
Trichlorofluoromethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,1-Dichloroethene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Iodomethane	ND	2.0	EPA 8260D	3-12-21	3-12-21	
Methylene Chloride	ND	1.0	EPA 8260D	3-12-21	3-12-21	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,1-Dichloroethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
2,2-Dichloropropane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Bromochloromethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Chloroform	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Carbon Tetrachloride	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,1-Dichloropropene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,2-Dichloroethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Trichloroethene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,2-Dichloropropane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Dibromomethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Bromodichloromethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260D	3-12-21	3-12-21	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	3-12-21	3-12-21	

Date of Report: March 19, 2021
Samples Submitted: March 11, 2021
Laboratory Reference: 2103-128
Project: 2032-012

VOLATILE ORGANICS EPA 8260D/SIM
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FMW-5-20210310**					
Laboratory ID:	03-128-01					
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Tetrachloroethene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,3-Dichloropropane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Dibromochloromethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,2-Dibromoethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Chlorobenzene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Bromoform	ND	1.0	EPA 8260D	3-12-21	3-12-21	
Bromobenzene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
2-Chlorotoluene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
4-Chlorotoluene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,3-Dichlorobenzene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260D	3-12-21	3-12-21	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Hexachlorobutadiene	ND	1.0	EPA 8260D	3-12-21	3-12-21	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*94*	*75-127*				
Toluene-d8	*85*	*80-127*				
4-Bromofluorobenzene	*99*	*78-125*				

Date of Report: March 19, 2021
Samples Submitted: March 11, 2021
Laboratory Reference: 2103-128
Project: 2032-012

VOLATILE ORGANICS EPA 8260D/SIM
page 1 of 2

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-3-20210310**					
Laboratory ID:	03-128-02					
Dichlorodifluoromethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Chloromethane	ND	1.0	EPA 8260D	3-12-21	3-12-21	
Vinyl Chloride	0.066	0.020	EPA 8260D/SIM	3-12-21	3-12-21	
Bromomethane	ND	0.28	EPA 8260D	3-12-21	3-12-21	
Chloroethane	ND	1.3	EPA 8260D	3-12-21	3-12-21	
Trichlorofluoromethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,1-Dichloroethene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Iodomethane	ND	2.0	EPA 8260D	3-12-21	3-12-21	
Methylene Chloride	ND	1.0	EPA 8260D	3-12-21	3-12-21	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,1-Dichloroethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
2,2-Dichloropropane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Bromochloromethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Chloroform	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Carbon Tetrachloride	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,1-Dichloropropene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,2-Dichloroethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Trichloroethene	0.32	0.20	EPA 8260D	3-12-21	3-12-21	
1,2-Dichloropropane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Dibromomethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Bromodichloromethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260D	3-12-21	3-12-21	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	3-12-21	3-12-21	

Date of Report: March 19, 2021
Samples Submitted: March 11, 2021
Laboratory Reference: 2103-128
Project: 2032-012

VOLATILE ORGANICS EPA 8260D/SIM
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-3-20210310**					
Laboratory ID:	03-128-02					
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Tetrachloroethene	0.37	0.20	EPA 8260D	3-12-21	3-12-21	
1,3-Dichloropropane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Dibromochloromethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,2-Dibromoethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Chlorobenzene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Bromoform	ND	1.0	EPA 8260D	3-12-21	3-12-21	
Bromobenzene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
2-Chlorotoluene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
4-Chlorotoluene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,3-Dichlorobenzene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260D	3-12-21	3-12-21	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Hexachlorobutadiene	ND	1.0	EPA 8260D	3-12-21	3-12-21	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*93*	*75-127*				
Toluene-d8	*109*	*80-127*				
4-Bromofluorobenzene	*97*	*78-125*				

Date of Report: March 19, 2021
Samples Submitted: March 11, 2021
Laboratory Reference: 2103-128
Project: 2032-012

VOLATILE ORGANICS EPA 8260D/SIM
page 1 of 2

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FMW-7-20210310**					
Laboratory ID:	03-128-03					
Dichlorodifluoromethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Chloromethane	ND	1.0	EPA 8260D	3-12-21	3-12-21	
Vinyl Chloride	ND	0.020	EPA 8260D/SIM	3-12-21	3-12-21	
Bromomethane	ND	0.28	EPA 8260D	3-12-21	3-12-21	
Chloroethane	ND	1.3	EPA 8260D	3-12-21	3-12-21	
Trichlorofluoromethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,1-Dichloroethene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Iodomethane	ND	2.0	EPA 8260D	3-12-21	3-12-21	
Methylene Chloride	ND	1.0	EPA 8260D	3-12-21	3-12-21	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,1-Dichloroethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
2,2-Dichloropropane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Bromochloromethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Chloroform	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Carbon Tetrachloride	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,1-Dichloropropene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,2-Dichloroethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Trichloroethene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,2-Dichloropropane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Dibromomethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Bromodichloromethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260D	3-12-21	3-12-21	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	3-12-21	3-12-21	

Date of Report: March 19, 2021
Samples Submitted: March 11, 2021
Laboratory Reference: 2103-128
Project: 2032-012

VOLATILE ORGANICS EPA 8260D/SIM
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FMW-7-20210310**					
Laboratory ID:	03-128-03					
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Tetrachloroethene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,3-Dichloropropane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Dibromochloromethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,2-Dibromoethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Chlorobenzene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Bromoform	ND	1.0	EPA 8260D	3-12-21	3-12-21	
Bromobenzene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
2-Chlorotoluene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
4-Chlorotoluene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,3-Dichlorobenzene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260D	3-12-21	3-12-21	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Hexachlorobutadiene	ND	1.0	EPA 8260D	3-12-21	3-12-21	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*89*	*75-127*				
Toluene-d8	*100*	*80-127*				
4-Bromofluorobenzene	*91*	*78-125*				

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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-2-20210310**					
Laboratory ID:	03-128-04					
Dichlorodifluoromethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Chloromethane	ND	1.0	EPA 8260D	3-12-21	3-12-21	
Vinyl Chloride	ND	0.020	EPA 8260D/SIM	3-12-21	3-12-21	
Bromomethane	ND	0.28	EPA 8260D	3-12-21	3-12-21	
Chloroethane	ND	1.3	EPA 8260D	3-12-21	3-12-21	
Trichlorofluoromethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,1-Dichloroethene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Iodomethane	ND	2.0	EPA 8260D	3-12-21	3-12-21	
Methylene Chloride	ND	1.0	EPA 8260D	3-12-21	3-12-21	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,1-Dichloroethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
2,2-Dichloropropane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
(cis) 1,2-Dichloroethene	0.24	0.20	EPA 8260D	3-12-21	3-12-21	
Bromochloromethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Chloroform	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Carbon Tetrachloride	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,1-Dichloropropene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,2-Dichloroethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Trichloroethene	0.72	0.20	EPA 8260D	3-12-21	3-12-21	
1,2-Dichloropropane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Dibromomethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Bromodichloromethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260D	3-12-21	3-12-21	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	3-12-21	3-12-21	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-2-20210310**					
Laboratory ID:	03-128-04					
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Tetrachloroethene	1.2	0.20	EPA 8260D	3-12-21	3-12-21	
1,3-Dichloropropane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Dibromochloromethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,2-Dibromoethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Chlorobenzene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Bromoform	ND	1.0	EPA 8260D	3-12-21	3-12-21	
Bromobenzene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
2-Chlorotoluene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
4-Chlorotoluene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,3-Dichlorobenzene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260D	3-12-21	3-12-21	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Hexachlorobutadiene	ND	1.0	EPA 8260D	3-12-21	3-12-21	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*91*	*75-127*				
Toluene-d8	*98*	*80-127*				
4-Bromofluorobenzene	*97*	*78-125*				

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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FMW-6-20210310**					
Laboratory ID:	03-128-05					
Dichlorodifluoromethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Chloromethane	ND	1.0	EPA 8260D	3-12-21	3-12-21	
Vinyl Chloride	0.16	0.020	EPA 8260D/SIM	3-12-21	3-12-21	
Bromomethane	ND	0.28	EPA 8260D	3-12-21	3-12-21	
Chloroethane	ND	1.3	EPA 8260D	3-12-21	3-12-21	
Trichlorofluoromethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,1-Dichloroethene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Iodomethane	ND	2.0	EPA 8260D	3-12-21	3-12-21	
Methylene Chloride	ND	1.0	EPA 8260D	3-12-21	3-12-21	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,1-Dichloroethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
2,2-Dichloropropane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
(cis) 1,2-Dichloroethene	0.42	0.20	EPA 8260D	3-12-21	3-12-21	
Bromochloromethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Chloroform	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Carbon Tetrachloride	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,1-Dichloropropene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,2-Dichloroethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Trichloroethene	0.22	0.20	EPA 8260D	3-12-21	3-12-21	
1,2-Dichloropropane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Dibromomethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Bromodichloromethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260D	3-12-21	3-12-21	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	3-12-21	3-12-21	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FMW-6-20210310**					
Laboratory ID:	03-128-05					
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Tetrachloroethene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,3-Dichloropropane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Dibromochloromethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,2-Dibromoethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Chlorobenzene	0.38	0.20	EPA 8260D	3-12-21	3-12-21	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Bromoform	ND	1.0	EPA 8260D	3-12-21	3-12-21	
Bromobenzene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
2-Chlorotoluene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
4-Chlorotoluene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,3-Dichlorobenzene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,4-Dichlorobenzene	1.3	0.20	EPA 8260D	3-12-21	3-12-21	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260D	3-12-21	3-12-21	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Hexachlorobutadiene	ND	1.0	EPA 8260D	3-12-21	3-12-21	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*94*	*75-127*				
Toluene-d8	*87*	*80-127*				
4-Bromofluorobenzene	*94*	*78-125*				

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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-1-20210310**					
Laboratory ID:	03-128-06					
Dichlorodifluoromethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Chloromethane	ND	1.0	EPA 8260D	3-12-21	3-12-21	
Vinyl Chloride	0.024	0.020	EPA 8260D/SIM	3-12-21	3-12-21	
Bromomethane	ND	0.28	EPA 8260D	3-12-21	3-12-21	
Chloroethane	ND	1.3	EPA 8260D	3-12-21	3-12-21	
Trichlorofluoromethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,1-Dichloroethene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Iodomethane	ND	2.0	EPA 8260D	3-12-21	3-12-21	
Methylene Chloride	ND	1.0	EPA 8260D	3-12-21	3-12-21	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,1-Dichloroethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
2,2-Dichloropropane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
(cis) 1,2-Dichloroethene	4.4	0.20	EPA 8260D	3-12-21	3-12-21	
Bromochloromethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Chloroform	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Carbon Tetrachloride	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,1-Dichloropropene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,2-Dichloroethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Trichloroethene	1.1	0.20	EPA 8260D	3-12-21	3-12-21	
1,2-Dichloropropane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Dibromomethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Bromodichloromethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260D	3-12-21	3-12-21	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	3-12-21	3-12-21	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-1-20210310**					
Laboratory ID:	03-128-06					
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Tetrachloroethene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,3-Dichloropropane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Dibromochloromethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,2-Dibromoethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Chlorobenzene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Bromoform	ND	1.0	EPA 8260D	3-12-21	3-12-21	
Bromobenzene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
2-Chlorotoluene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
4-Chlorotoluene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,3-Dichlorobenzene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260D	3-12-21	3-12-21	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Hexachlorobutadiene	ND	1.0	EPA 8260D	3-12-21	3-12-21	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*92*	*75-127*				
Toluene-d8	*96*	*80-127*				
4-Bromofluorobenzene	*96*	*78-125*				

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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FMW-8-20210310**					
Laboratory ID:	03-128-07					
Dichlorodifluoromethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Chloromethane	ND	1.0	EPA 8260D	3-12-21	3-12-21	
Vinyl Chloride	ND	0.020	EPA 8260D/SIM	3-12-21	3-12-21	
Bromomethane	ND	0.28	EPA 8260D	3-12-21	3-12-21	
Chloroethane	ND	1.3	EPA 8260D	3-12-21	3-12-21	
Trichlorofluoromethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,1-Dichloroethene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Iodomethane	ND	2.0	EPA 8260D	3-12-21	3-12-21	
Methylene Chloride	ND	1.0	EPA 8260D	3-12-21	3-12-21	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,1-Dichloroethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
2,2-Dichloropropane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Bromochloromethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Chloroform	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Carbon Tetrachloride	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,1-Dichloropropene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,2-Dichloroethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Trichloroethene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,2-Dichloropropane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Dibromomethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Bromodichloromethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260D	3-12-21	3-12-21	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	3-12-21	3-12-21	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FMW-8-20210310**					
Laboratory ID:	03-128-07					
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Tetrachloroethene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,3-Dichloropropane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Dibromochloromethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,2-Dibromoethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Chlorobenzene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Bromoform	ND	1.0	EPA 8260D	3-12-21	3-12-21	
Bromobenzene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
2-Chlorotoluene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
4-Chlorotoluene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,3-Dichlorobenzene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260D	3-12-21	3-12-21	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Hexachlorobutadiene	ND	1.0	EPA 8260D	3-12-21	3-12-21	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*95*	*75-127*				
Toluene-d8	*97*	*80-127*				
4-Bromofluorobenzene	*97*	*78-125*				

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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**SVE-1-20210310**					
Laboratory ID:	03-128-08					
Dichlorodifluoromethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Chloromethane	ND	1.0	EPA 8260D	3-12-21	3-12-21	
Vinyl Chloride	1.2	0.20	EPA 8260D	3-12-21	3-12-21	
Bromomethane	ND	0.28	EPA 8260D	3-12-21	3-12-21	
Chloroethane	ND	1.3	EPA 8260D	3-12-21	3-12-21	
Trichlorofluoromethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,1-Dichloroethene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Iodomethane	ND	2.0	EPA 8260D	3-12-21	3-12-21	
Methylene Chloride	ND	1.0	EPA 8260D	3-12-21	3-12-21	
(trans) 1,2-Dichloroethene	0.38	0.20	EPA 8260D	3-12-21	3-12-21	
1,1-Dichloroethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
2,2-Dichloropropane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
(cis) 1,2-Dichloroethene	3.6	0.20	EPA 8260D	3-12-21	3-12-21	
Bromochloromethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Chloroform	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Carbon Tetrachloride	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,1-Dichloropropene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,2-Dichloroethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Trichloroethene	0.24	0.20	EPA 8260D	3-12-21	3-12-21	
1,2-Dichloropropane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Dibromomethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Bromodichloromethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260D	3-12-21	3-12-21	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	3-12-21	3-12-21	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**SVE-1-20210310**					
Laboratory ID:	03-128-08					
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Tetrachloroethene	0.21	0.20	EPA 8260D	3-12-21	3-12-21	
1,3-Dichloropropane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Dibromochloromethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,2-Dibromoethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Chlorobenzene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Bromoform	ND	1.0	EPA 8260D	3-12-21	3-12-21	
Bromobenzene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
2-Chlorotoluene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
4-Chlorotoluene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,3-Dichlorobenzene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260D	3-12-21	3-12-21	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Hexachlorobutadiene	ND	1.0	EPA 8260D	3-12-21	3-12-21	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*94*	*75-127*				
Toluene-d8	*99*	*80-127*				
4-Bromofluorobenzene	*100*	*78-125*				

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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FMW-9-20210310**					
Laboratory ID:	03-128-09					
Dichlorodifluoromethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Chloromethane	ND	1.0	EPA 8260D	3-12-21	3-12-21	
Vinyl Chloride	ND	0.020	EPA 8260D/SIM	3-12-21	3-12-21	
Bromomethane	ND	0.28	EPA 8260D	3-12-21	3-12-21	
Chloroethane	ND	1.3	EPA 8260D	3-12-21	3-12-21	
Trichlorofluoromethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,1-Dichloroethene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Iodomethane	ND	2.0	EPA 8260D	3-12-21	3-12-21	
Methylene Chloride	ND	1.0	EPA 8260D	3-12-21	3-12-21	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,1-Dichloroethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
2,2-Dichloropropane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Bromochloromethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Chloroform	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Carbon Tetrachloride	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,1-Dichloropropene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,2-Dichloroethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Trichloroethene	0.44	0.20	EPA 8260D	3-12-21	3-12-21	
1,2-Dichloropropane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Dibromomethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Bromodichloromethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260D	3-12-21	3-12-21	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	3-12-21	3-12-21	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FMW-9-20210310**					
Laboratory ID:	03-128-09					
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Tetrachloroethene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,3-Dichloropropane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Dibromochloromethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,2-Dibromoethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Chlorobenzene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Bromoform	ND	1.0	EPA 8260D	3-12-21	3-12-21	
Bromobenzene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
2-Chlorotoluene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
4-Chlorotoluene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,3-Dichlorobenzene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260D	3-12-21	3-12-21	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Hexachlorobutadiene	ND	1.0	EPA 8260D	3-12-21	3-12-21	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*93*	*75-127*				
Toluene-d8	*104*	*80-127*				
4-Bromofluorobenzene	*94*	*78-125*				

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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FMW-4-20210310**					
Laboratory ID:	03-128-10					
Dichlorodifluoromethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Chloromethane	ND	1.0	EPA 8260D	3-12-21	3-12-21	
Vinyl Chloride	1.3	0.20	EPA 8260D	3-12-21	3-12-21	
Bromomethane	ND	0.28	EPA 8260D	3-12-21	3-12-21	
Chloroethane	ND	1.3	EPA 8260D	3-12-21	3-12-21	
Trichlorofluoromethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,1-Dichloroethene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Iodomethane	ND	2.0	EPA 8260D	3-12-21	3-12-21	
Methylene Chloride	ND	1.0	EPA 8260D	3-12-21	3-12-21	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,1-Dichloroethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
2,2-Dichloropropane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
(cis) 1,2-Dichloroethene	2.4	0.20	EPA 8260D	3-12-21	3-12-21	
Bromochloromethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Chloroform	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Carbon Tetrachloride	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,1-Dichloropropene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,2-Dichloroethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Trichloroethene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,2-Dichloropropane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Dibromomethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Bromodichloromethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260D	3-12-21	3-12-21	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	3-12-21	3-12-21	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FMW-4-20210310**					
Laboratory ID:	03-128-10					
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Tetrachloroethene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,3-Dichloropropane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Dibromochloromethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,2-Dibromoethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Chlorobenzene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Bromoform	ND	1.0	EPA 8260D	3-12-21	3-12-21	
Bromobenzene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
2-Chlorotoluene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
4-Chlorotoluene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,3-Dichlorobenzene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260D	3-12-21	3-12-21	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Hexachlorobutadiene	ND	1.0	EPA 8260D	3-12-21	3-12-21	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*98*	*75-127*				
Toluene-d8	*104*	*80-127*				
4-Bromofluorobenzene	*98*	*78-125*				

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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FMW-1-20210310**					
Laboratory ID:	03-128-11					
Dichlorodifluoromethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Chloromethane	ND	1.0	EPA 8260D	3-12-21	3-12-21	
Vinyl Chloride	ND	0.020	EPA 8260D/SIM	3-12-21	3-12-21	
Bromomethane	ND	0.28	EPA 8260D	3-12-21	3-12-21	
Chloroethane	ND	1.3	EPA 8260D	3-12-21	3-12-21	
Trichlorofluoromethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,1-Dichloroethene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Iodomethane	ND	2.0	EPA 8260D	3-12-21	3-12-21	
Methylene Chloride	ND	1.0	EPA 8260D	3-12-21	3-12-21	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,1-Dichloroethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
2,2-Dichloropropane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
(cis) 1,2-Dichloroethene	0.51	0.20	EPA 8260D	3-12-21	3-12-21	
Bromochloromethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Chloroform	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Carbon Tetrachloride	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,1-Dichloropropene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,2-Dichloroethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Trichloroethene	0.22	0.20	EPA 8260D	3-12-21	3-12-21	
1,2-Dichloropropane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Dibromomethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Bromodichloromethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260D	3-12-21	3-12-21	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	3-12-21	3-12-21	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FMW-1-20210310**					
Laboratory ID:	03-128-11					
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Tetrachloroethene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,3-Dichloropropane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Dibromochloromethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,2-Dibromoethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Chlorobenzene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Bromoform	ND	1.0	EPA 8260D	3-12-21	3-12-21	
Bromobenzene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
2-Chlorotoluene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
4-Chlorotoluene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,3-Dichlorobenzene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260D	3-12-21	3-12-21	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Hexachlorobutadiene	ND	1.0	EPA 8260D	3-12-21	3-12-21	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*98*	*75-127*				
Toluene-d8	*98*	*80-127*				
4-Bromofluorobenzene	*94*	*78-125*				

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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FMW-13-20210310**					
Laboratory ID:	03-128-12					
Dichlorodifluoromethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Chloromethane	ND	1.0	EPA 8260D	3-12-21	3-12-21	
Vinyl Chloride	0.057	0.020	EPA 8260D/SIM	3-12-21	3-12-21	
Bromomethane	ND	0.28	EPA 8260D	3-12-21	3-12-21	
Chloroethane	ND	1.3	EPA 8260D	3-12-21	3-12-21	
Trichlorofluoromethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,1-Dichloroethene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Iodomethane	ND	2.0	EPA 8260D	3-12-21	3-12-21	
Methylene Chloride	ND	1.0	EPA 8260D	3-12-21	3-12-21	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,1-Dichloroethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
2,2-Dichloropropane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Bromochloromethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Chloroform	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Carbon Tetrachloride	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,1-Dichloropropene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,2-Dichloroethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Trichloroethene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,2-Dichloropropane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Dibromomethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Bromodichloromethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260D	3-12-21	3-12-21	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	3-12-21	3-12-21	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FMW-13-20210310**					
Laboratory ID:	03-128-12					
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Tetrachloroethene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,3-Dichloropropane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Dibromochloromethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,2-Dibromoethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Chlorobenzene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Bromoform	ND	1.0	EPA 8260D	3-12-21	3-12-21	
Bromobenzene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
2-Chlorotoluene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
4-Chlorotoluene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,3-Dichlorobenzene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260D	3-12-21	3-12-21	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Hexachlorobutadiene	ND	1.0	EPA 8260D	3-12-21	3-12-21	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*91*	*75-127*				
Toluene-d8	*96*	*80-127*				
4-Bromofluorobenzene	*91*	*78-125*				

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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FMW-2-20210310**					
Laboratory ID:	03-128-13					
Dichlorodifluoromethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Chloromethane	ND	1.0	EPA 8260D	3-12-21	3-12-21	
Vinyl Chloride	0.068	0.020	EPA 8260D/SIM	3-12-21	3-12-21	
Bromomethane	ND	0.28	EPA 8260D	3-12-21	3-12-21	
Chloroethane	ND	1.3	EPA 8260D	3-12-21	3-12-21	
Trichlorofluoromethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,1-Dichloroethene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Iodomethane	ND	2.0	EPA 8260D	3-12-21	3-12-21	
Methylene Chloride	ND	1.0	EPA 8260D	3-12-21	3-12-21	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,1-Dichloroethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
2,2-Dichloropropane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
(cis) 1,2-Dichloroethene	0.58	0.20	EPA 8260D	3-12-21	3-12-21	
Bromochloromethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Chloroform	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Carbon Tetrachloride	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,1-Dichloropropene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,2-Dichloroethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Trichloroethene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,2-Dichloropropane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Dibromomethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Bromodichloromethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260D	3-12-21	3-12-21	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	3-12-21	3-12-21	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FMW-2-20210310**					
Laboratory ID:	03-128-13					
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Tetrachloroethene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,3-Dichloropropane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Dibromochloromethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,2-Dibromoethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Chlorobenzene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Bromoform	ND	1.0	EPA 8260D	3-12-21	3-12-21	
Bromobenzene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
2-Chlorotoluene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
4-Chlorotoluene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,3-Dichlorobenzene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260D	3-12-21	3-12-21	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Hexachlorobutadiene	ND	1.0	EPA 8260D	3-12-21	3-12-21	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*98*	*75-127*				
Toluene-d8	*96*	*80-127*				
4-Bromofluorobenzene	*96*	*78-125*				

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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FMW-3-20210310**					
Laboratory ID:	03-128-14					
Dichlorodifluoromethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Chloromethane	ND	1.0	EPA 8260D	3-12-21	3-12-21	
Vinyl Chloride	ND	0.020	EPA 8260D/SIM	3-12-21	3-12-21	
Bromomethane	ND	0.28	EPA 8260D	3-12-21	3-12-21	
Chloroethane	ND	1.3	EPA 8260D	3-12-21	3-12-21	
Trichlorofluoromethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,1-Dichloroethene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Iodomethane	ND	2.0	EPA 8260D	3-12-21	3-12-21	
Methylene Chloride	ND	1.0	EPA 8260D	3-12-21	3-12-21	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,1-Dichloroethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
2,2-Dichloropropane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Bromochloromethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Chloroform	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Carbon Tetrachloride	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,1-Dichloropropene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,2-Dichloroethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Trichloroethene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,2-Dichloropropane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Dibromomethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Bromodichloromethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260D	3-12-21	3-12-21	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	3-12-21	3-12-21	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FMW-3-20210310**					
Laboratory ID:	03-128-14					
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Tetrachloroethene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,3-Dichloropropane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Dibromochloromethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,2-Dibromoethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Chlorobenzene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Bromoform	ND	1.0	EPA 8260D	3-12-21	3-12-21	
Bromobenzene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
2-Chlorotoluene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
4-Chlorotoluene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,3-Dichlorobenzene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260D	3-12-21	3-12-21	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Hexachlorobutadiene	ND	1.0	EPA 8260D	3-12-21	3-12-21	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*95*	*75-127*				
Toluene-d8	*108*	*80-127*				
4-Bromofluorobenzene	*96*	*78-125*				

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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FMW-12-20210310**					
Laboratory ID:	03-128-15					
Dichlorodifluoromethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Chloromethane	ND	1.0	EPA 8260D	3-12-21	3-12-21	
Vinyl Chloride	ND	0.020	EPA 8260D/SIM	3-12-21	3-12-21	
Bromomethane	ND	0.28	EPA 8260D	3-12-21	3-12-21	
Chloroethane	ND	1.3	EPA 8260D	3-12-21	3-12-21	
Trichlorofluoromethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,1-Dichloroethene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Iodomethane	ND	2.0	EPA 8260D	3-12-21	3-12-21	
Methylene Chloride	ND	1.0	EPA 8260D	3-12-21	3-12-21	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,1-Dichloroethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
2,2-Dichloropropane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Bromochloromethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Chloroform	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Carbon Tetrachloride	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,1-Dichloropropene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,2-Dichloroethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Trichloroethene	2.0	0.20	EPA 8260D	3-12-21	3-12-21	
1,2-Dichloropropane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Dibromomethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Bromodichloromethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260D	3-12-21	3-12-21	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	3-12-21	3-12-21	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FMW-12-20210310**					
Laboratory ID:	03-128-15					
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Tetrachloroethene	0.73	0.20	EPA 8260D	3-12-21	3-12-21	
1,3-Dichloropropane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Dibromochloromethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,2-Dibromoethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Chlorobenzene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Bromoform	ND	1.0	EPA 8260D	3-12-21	3-12-21	
Bromobenzene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
2-Chlorotoluene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
4-Chlorotoluene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,3-Dichlorobenzene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260D	3-12-21	3-12-21	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Hexachlorobutadiene	ND	1.0	EPA 8260D	3-12-21	3-12-21	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*91*	*75-127*				
Toluene-d8	*102*	*80-127*				
4-Bromofluorobenzene	*102*	*78-125*				

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QUALITY CONTROL
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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0312W1					
Dichlorodifluoromethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Chloromethane	ND	1.0	EPA 8260D	3-12-21	3-12-21	
Vinyl Chloride	ND	0.020	EPA 8260D/SIM	3-12-21	3-12-21	
Bromomethane	ND	0.28	EPA 8260D	3-12-21	3-12-21	
Chloroethane	ND	1.3	EPA 8260D	3-12-21	3-12-21	
Trichlorofluoromethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,1-Dichloroethene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Iodomethane	ND	2.0	EPA 8260D	3-12-21	3-12-21	
Methylene Chloride	ND	1.0	EPA 8260D	3-12-21	3-12-21	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,1-Dichloroethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
2,2-Dichloropropane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Bromochloromethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Chloroform	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Carbon Tetrachloride	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,1-Dichloropropene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,2-Dichloroethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Trichloroethene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,2-Dichloropropane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Dibromomethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Bromodichloromethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260D	3-12-21	3-12-21	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	3-12-21	3-12-21	

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VOLATILE ORGANICS EPA 8260D/SIM
QUALITY CONTROL
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0312W1					
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Tetrachloroethene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,3-Dichloropropane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Dibromochloromethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,2-Dibromoethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Chlorobenzene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Bromoform	ND	1.0	EPA 8260D	3-12-21	3-12-21	
Bromobenzene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	3-12-21	3-12-21	
2-Chlorotoluene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
4-Chlorotoluene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,3-Dichlorobenzene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260D	3-12-21	3-12-21	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Hexachlorobutadiene	ND	1.0	EPA 8260D	3-12-21	3-12-21	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260D	3-12-21	3-12-21	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*87*	*75-127*				
Toluene-d8	*93*	*80-127*				
4-Bromofluorobenzene	*93*	*78-125*				

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VOLATILE ORGANICS EPA 8260D/SIM
QUALITY CONTROL

Matrix: Water
Units: ug/L

Analyte	Result		Spike Level		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB0312W1									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	**9.51**	**9.87**	10.0	10.0	95	99	65-126	4	19	
Benzene	**9.28**	**9.59**	10.0	10.0	93	96	71-119	3	16	
Trichloroethene	**10.4**	**10.7**	10.0	10.0	104	107	82-123	3	18	
Toluene	**9.69**	**8.66**	10.0	10.0	97	87	77-119	11	18	
Chlorobenzene	**10.2**	**10.2**	10.0	10.0	102	102	80-120	0	17	
Surrogate:										
Dibromofluoromethane					*89*	*84*	*75-127*			
Toluene-d8					*98*	*89*	*80-127*			
4-Bromofluorobenzene					*99*	*114*	*78-125*			

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TOTAL METALS
EPA 200.8/7470A

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FMW-5-20210310**					
Laboratory ID:	03-128-01					
Arsenic	**6.4**	3.3	EPA 200.8	3-18-21	3-18-21	
Cadmium	**ND**	4.4	EPA 200.8	3-18-21	3-18-21	
Chromium	**ND**	11	EPA 200.8	3-18-21	3-18-21	
Lead	**ND**	1.1	EPA 200.8	3-18-21	3-18-21	
Mercury	**ND**	0.50	EPA 7470A	3-15-21	3-15-21	
Client ID:	**FMW-7-20210310**					
Laboratory ID:	03-128-03					
Arsenic	**ND**	3.3	EPA 200.8	3-18-21	3-18-21	
Cadmium	**ND**	4.4	EPA 200.8	3-18-21	3-18-21	
Chromium	**ND**	11	EPA 200.8	3-18-21	3-18-21	
Lead	**ND**	1.1	EPA 200.8	3-18-21	3-18-21	
Mercury	**ND**	0.50	EPA 7470A	3-15-21	3-15-21	
Client ID:	**MW-2-20210310**					
Laboratory ID:	03-128-04					
Arsenic	**ND**	3.3	EPA 200.8	3-18-21	3-18-21	
Cadmium	**ND**	4.4	EPA 200.8	3-18-21	3-18-21	
Chromium	**ND**	11	EPA 200.8	3-18-21	3-18-21	
Lead	**ND**	1.1	EPA 200.8	3-18-21	3-18-21	
Mercury	**ND**	0.50	EPA 7470A	3-15-21	3-15-21	
Client ID:	**FMW-6-20210310**					
Laboratory ID:	03-128-05					
Arsenic	**ND**	3.3	EPA 200.8	3-18-21	3-18-21	
Cadmium	**ND**	4.4	EPA 200.8	3-18-21	3-18-21	
Chromium	**ND**	11	EPA 200.8	3-18-21	3-18-21	
Lead	**ND**	1.1	EPA 200.8	3-18-21	3-18-21	
Mercury	**ND**	0.50	EPA 7470A	3-15-21	3-15-21	

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TOTAL METALS
EPA 200.8/7470A

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-1-20210310**					
Laboratory ID:	03-128-06					
Arsenic	**ND**	3.3	EPA 200.8	3-18-21	3-18-21	
Cadmium	**ND**	4.4	EPA 200.8	3-18-21	3-18-21	
Chromium	**ND**	11	EPA 200.8	3-18-21	3-18-21	
Lead	**1.8**	1.1	EPA 200.8	3-18-21	3-18-21	
Mercury	**ND**	0.50	EPA 7470A	3-15-21	3-15-21	
Client ID:	**FMW-8-20210310**					
Laboratory ID:	03-128-07					
Arsenic	**4.7**	3.3	EPA 200.8	3-18-21	3-18-21	
Cadmium	**ND**	4.4	EPA 200.8	3-18-21	3-18-21	
Chromium	**ND**	11	EPA 200.8	3-18-21	3-18-21	
Lead	**ND**	1.1	EPA 200.8	3-18-21	3-18-21	
Mercury	**ND**	0.50	EPA 7470A	3-15-21	3-15-21	
Client ID:	**SVE-1-20210310**					
Laboratory ID:	03-128-08					
Arsenic	**3.7**	3.3	EPA 200.8	3-18-21	3-18-21	
Cadmium	**ND**	4.4	EPA 200.8	3-18-21	3-18-21	
Chromium	**ND**	11	EPA 200.8	3-18-21	3-18-21	
Lead	**ND**	1.1	EPA 200.8	3-18-21	3-18-21	
Mercury	**ND**	0.50	EPA 7470A	3-15-21	3-15-21	
Client ID:	**FMW-9-20210310**					
Laboratory ID:	03-128-09					
Arsenic	**ND**	3.3	EPA 200.8	3-18-21	3-18-21	
Cadmium	**ND**	4.4	EPA 200.8	3-18-21	3-18-21	
Chromium	**ND**	11	EPA 200.8	3-18-21	3-18-21	
Lead	**ND**	1.1	EPA 200.8	3-18-21	3-18-21	
Mercury	**ND**	0.50	EPA 7470A	3-15-21	3-15-21	

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TOTAL METALS
EPA 200.8/7470A

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FMW-4-20210310**					
Laboratory ID:	03-128-10					
Arsenic	**17**	3.3	EPA 200.8	3-18-21	3-18-21	
Cadmium	**ND**	4.4	EPA 200.8	3-18-21	3-18-21	
Chromium	**ND**	11	EPA 200.8	3-18-21	3-18-21	
Lead	**ND**	1.1	EPA 200.8	3-18-21	3-18-21	
Mercury	**ND**	0.50	EPA 7470A	3-15-21	3-15-21	
Client ID:	**FMW-1-20210310**					
Laboratory ID:	03-128-11					
Arsenic	**ND**	3.3	EPA 200.8	3-18-21	3-18-21	
Cadmium	**ND**	4.4	EPA 200.8	3-18-21	3-18-21	
Chromium	**ND**	11	EPA 200.8	3-18-21	3-18-21	
Lead	**ND**	1.1	EPA 200.8	3-18-21	3-18-21	
Mercury	**ND**	0.50	EPA 7470A	3-15-21	3-15-21	
Client ID:	**FMW-13-20210310**					
Laboratory ID:	03-128-12					
Arsenic	**3.5**	3.3	EPA 200.8	3-18-21	3-18-21	
Cadmium	**ND**	4.4	EPA 200.8	3-18-21	3-18-21	
Chromium	**ND**	11	EPA 200.8	3-18-21	3-18-21	
Lead	**ND**	1.1	EPA 200.8	3-18-21	3-18-21	
Mercury	**ND**	0.50	EPA 7470A	3-15-21	3-15-21	
Client ID:	**FMW-2-20210310**					
Laboratory ID:	03-128-13					
Arsenic	**ND**	3.3	EPA 200.8	3-18-21	3-18-21	
Cadmium	**ND**	4.4	EPA 200.8	3-18-21	3-18-21	
Chromium	**ND**	11	EPA 200.8	3-18-21	3-18-21	
Lead	**ND**	1.1	EPA 200.8	3-18-21	3-18-21	
Mercury	**ND**	0.50	EPA 7470A	3-15-21	3-15-21	

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TOTAL METALS
EPA 200.8/7470A

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FMW-3-20210310**					
Laboratory ID:	03-128-14					
Arsenic	**51**	3.3	EPA 200.8	3-18-21	3-18-21	
Cadmium	**ND**	4.4	EPA 200.8	3-18-21	3-18-21	
Chromium	**ND**	11	EPA 200.8	3-18-21	3-18-21	
Lead	**ND**	1.1	EPA 200.8	3-18-21	3-18-21	
Mercury	**ND**	0.50	EPA 7470A	3-15-21	3-15-21	
Client ID:	**FMW-12-20210310**					
Laboratory ID:	03-128-15					
Arsenic	**ND**	3.3	EPA 200.8	3-18-21	3-18-21	
Cadmium	**ND**	4.4	EPA 200.8	3-18-21	3-18-21	
Chromium	**ND**	11	EPA 200.8	3-18-21	3-18-21	
Lead	**ND**	1.1	EPA 200.8	3-18-21	3-18-21	
Mercury	**ND**	0.50	EPA 7470A	3-15-21	3-15-21	

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TOTAL METALS
EPA 200.8/7470A
QUALITY CONTROL

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0318WM1					
Arsenic	**ND**	3.3	EPA 200.8	3-18-21	3-18-21	
Cadmium	**ND**	4.4	EPA 200.8	3-18-21	3-18-21	
Chromium	**ND**	11	EPA 200.8	3-18-21	3-18-21	
Lead	**ND**	1.1	EPA 200.8	3-18-21	3-18-21	
Laboratory ID:	MB0315W1					
Mercury	**ND**	0.50	EPA 7470A	3-15-21	3-15-21	

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	03-128-04										
	ORIG	DUP									
Arsenic	**ND**	**ND**	NA	NA		NA		NA	NA	20	
Cadmium	**ND**	**ND**	NA	NA		NA		NA	NA	20	
Chromium	**ND**	**ND**	NA	NA		NA		NA	NA	20	
Lead	**ND**	**ND**	NA	NA		NA		NA	NA	20	
Laboratory ID:	03-133-01										
Mercury	**ND**	**ND**	NA	NA		NA		NA	NA	20	
MATRIX SPIKES											
Laboratory ID:	03-128-04										
	MS	MSD	MS	MSD		MS	MSD				
Arsenic	**117**	**114**	111	111	ND	**105**	**103**	75-125	2	20	
Cadmium	**109**	**107**	111	111	ND	**98**	**96**	75-125	2	20	
Chromium	**105**	**105**	111	111	ND	**94**	**95**	75-125	0	20	
Lead	**112**	**113**	111	111	ND	**101**	**102**	75-125	1	20	
Laboratory ID:	03-133-01										
Mercury	**12.3**	**12.5**	12.5	12.5	ND	**98**	**100**	75-125	1	20	

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DISSOLVED METALS
EPA 200.8/7470A

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FMW-5-20210310**					
Laboratory ID:	03-128-01					
Arsenic	**5.8**	3.0	EPA 200.8		3-18-21	
Cadmium	**ND**	4.0	EPA 200.8		3-18-21	
Chromium	**ND**	10	EPA 200.8		3-18-21	
Lead	**ND**	1.0	EPA 200.8		3-18-21	
Mercury	**ND**	0.50	EPA 7470A		3-15-21	
Client ID:	**FMW-7-20210310**					
Laboratory ID:	03-128-03					
Arsenic	**ND**	3.0	EPA 200.8		3-18-21	
Cadmium	**ND**	4.0	EPA 200.8		3-18-21	
Chromium	**ND**	10	EPA 200.8		3-18-21	
Lead	**ND**	1.0	EPA 200.8		3-18-21	
Mercury	**ND**	0.50	EPA 7470A		3-15-21	
Client ID:	**MW-2-20210310**					
Laboratory ID:	03-128-04					
Arsenic	**ND**	3.0	EPA 200.8		3-18-21	
Cadmium	**ND**	4.0	EPA 200.8		3-18-21	
Chromium	**ND**	10	EPA 200.8		3-18-21	
Lead	**ND**	1.0	EPA 200.8		3-18-21	
Mercury	**ND**	0.50	EPA 7470A		3-15-21	
Client ID:	**FMW-6-20210310**					
Laboratory ID:	03-128-05					
Arsenic	**ND**	3.0	EPA 200.8		3-18-21	
Cadmium	**ND**	4.0	EPA 200.8		3-18-21	
Chromium	**ND**	10	EPA 200.8		3-18-21	
Lead	**ND**	1.0	EPA 200.8		3-18-21	
Mercury	**ND**	0.50	EPA 7470A		3-15-21	

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DISSOLVED METALS
EPA 200.8/7470A

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-1-20210310**					
Laboratory ID:	03-128-06					
Arsenic	**ND**	3.0	EPA 200.8		3-18-21	
Cadmium	**ND**	4.0	EPA 200.8		3-18-21	
Chromium	**ND**	10	EPA 200.8		3-18-21	
Lead	**ND**	1.0	EPA 200.8		3-18-21	
Mercury	**ND**	0.50	EPA 7470A		3-15-21	
Client ID:	**FMW-8-20210310**					
Laboratory ID:	03-128-07					
Arsenic	**4.5**	3.0	EPA 200.8		3-18-21	
Cadmium	**ND**	4.0	EPA 200.8		3-18-21	
Chromium	**ND**	10	EPA 200.8		3-18-21	
Lead	**ND**	1.0	EPA 200.8		3-18-21	
Mercury	**ND**	0.50	EPA 7470A		3-15-21	
Client ID:	**SVE-1-20210310**					
Laboratory ID:	03-128-08					
Arsenic	**ND**	3.0	EPA 200.8		3-18-21	
Cadmium	**ND**	4.0	EPA 200.8		3-18-21	
Chromium	**ND**	10	EPA 200.8		3-18-21	
Lead	**ND**	1.0	EPA 200.8		3-18-21	
Mercury	**ND**	0.50	EPA 7470A		3-15-21	
Client ID:	**FMW-9-20210310**					
Laboratory ID:	03-128-09					
Arsenic	**ND**	3.0	EPA 200.8		3-18-21	
Cadmium	**ND**	4.0	EPA 200.8		3-18-21	
Chromium	**ND**	10	EPA 200.8		3-18-21	
Lead	**ND**	1.0	EPA 200.8		3-18-21	
Mercury	**ND**	0.50	EPA 7470A		3-15-21	

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DISSOLVED METALS
EPA 200.8/7470A

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FMW-4-20210310**					
Laboratory ID:	03-128-10					
Arsenic	**15**	3.0	EPA 200.8		3-18-21	
Cadmium	**ND**	4.0	EPA 200.8		3-18-21	
Chromium	**ND**	10	EPA 200.8		3-18-21	
Lead	**ND**	1.0	EPA 200.8		3-18-21	
Mercury	**ND**	0.50	EPA 7470A		3-15-21	
Client ID:	**FMW-1-20210310**					
Laboratory ID:	03-128-11					
Arsenic	**ND**	3.0	EPA 200.8		3-18-21	
Cadmium	**ND**	4.0	EPA 200.8		3-18-21	
Chromium	**ND**	10	EPA 200.8		3-18-21	
Lead	**ND**	1.0	EPA 200.8		3-18-21	
Mercury	**ND**	0.50	EPA 7470A		3-15-21	
Client ID:	**FMW-13-20210310**					
Laboratory ID:	03-128-12					
Arsenic	**ND**	3.0	EPA 200.8		3-18-21	
Cadmium	**ND**	4.0	EPA 200.8		3-18-21	
Chromium	**ND**	10	EPA 200.8		3-18-21	
Lead	**ND**	1.0	EPA 200.8		3-18-21	
Mercury	**ND**	0.50	EPA 7470A		3-15-21	
Client ID:	**FMW-2-20210310**					
Laboratory ID:	03-128-13					
Arsenic	**ND**	3.0	EPA 200.8		3-18-21	
Cadmium	**ND**	4.0	EPA 200.8		3-18-21	
Chromium	**ND**	10	EPA 200.8		3-18-21	
Lead	**ND**	1.0	EPA 200.8		3-18-21	
Mercury	**ND**	0.50	EPA 7470A		3-15-21	

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DISSOLVED METALS
EPA 200.8/7470A

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FMW-3-20210310**					
Laboratory ID:	03-128-14					
Arsenic	**49**	3.0	EPA 200.8		3-18-21	
Cadmium	**ND**	4.0	EPA 200.8		3-18-21	
Chromium	**ND**	10	EPA 200.8		3-18-21	
Lead	**ND**	1.0	EPA 200.8		3-18-21	
Mercury	**ND**	0.50	EPA 7470A		3-15-21	
Client ID:	**FMW-12-20210310**					
Laboratory ID:	03-128-15					
Arsenic	**ND**	3.0	EPA 200.8		3-18-21	
Cadmium	**ND**	4.0	EPA 200.8		3-18-21	
Chromium	**ND**	10	EPA 200.8		3-18-21	
Lead	**ND**	1.0	EPA 200.8		3-18-21	
Mercury	**ND**	0.50	EPA 7470A		3-15-21	

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QUALITY CONTROL

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0318D1					
Arsenic	**ND**	3.0	EPA 200.8		3-18-21	
Cadmium	**ND**	4.0	EPA 200.8		3-18-21	
Chromium	**ND**	10	EPA 200.8		3-18-21	
Lead	**ND**	1.0	EPA 200.8		3-18-21	
Laboratory ID:	MB0315D1					
Mercury	**ND**	0.50	EPA 7470A		3-15-21	

Analyte	Result		Spike Level		Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE										
Laboratory ID:	03-128-05									
	ORIG	DUP								
Arsenic	**ND**	**ND**	NA	NA		NA	NA	NA	20	
Cadmium	**ND**	**ND**	NA	NA		NA	NA	NA	20	
Chromium	**ND**	**ND**	NA	NA		NA	NA	NA	20	
Lead	**ND**	**ND**	NA	NA		NA	NA	NA	20	
Laboratory ID:	03-128-01									
Mercury	**ND**	**ND**	NA	NA		NA	NA	NA	20	
MATRIX SPIKES										
Laboratory ID:	03-128-05									
	MS	MSD	MS	MSD		MS	MSD			
Arsenic	**81.6**	**80.0**	80.0	80.0	ND	**102**	**100**	75-125	2	20
Cadmium	**75.0**	**75.0**	80.0	80.0	ND	**94**	**94**	75-125	0	20
Chromium	**70.4**	**71.4**	80.0	80.0	ND	**88**	**89**	75-125	1	20
Lead	**72.4**	**75.0**	80.0	80.0	ND	**91**	**94**	75-125	4	20
Laboratory ID:	03-128-01									
Mercury	**13.0**	**13.0**	12.5	12.5	ND	**104**	**104**	75-125	0	20

OnSite Environmental Inc.

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 -

ND - Not Detected at PQL
PQL - Practical Quantitation Limit
RPD - Relative Percent Difference

Chain of Custody

Page 1 of 2

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

Laboratory Number: 03-128

Company: Farallon Consulting
Project Number: 2032-012
Project Name: 68th Avenue South
Project Manager: P. Kingston
Sampled by: G. McKennes E. Smith

Turnaround Request (in working days)
(Check One)
☐ Same Day ☐ 1 Day
☐ 2 Days ☐ 3 Days
☒ Standard (7 Days)
☐ _____ (other)

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx (☐ Acid / SG Clean-up)	Volatiles 8260D	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	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664A	Total metals 6010D MTCA	Dissolved metals 7471B MTCA *			% Moisture
1	FMW-5-20210310	3/10/21	1100	H2O	5						X												X	X			
2	MW-3-20210310		1120		4						X																
3	FMW-7-20210310		1145		5						X												X	X			
4	MW-2-20210310		1205								X												X	X			
5	FMW-6-20210310		1235								X												X	X			
6	MW-1-20210310		1255								X												X	X			
7	FMW-8-20210310		1325								X												X	X			
8	SVE-1-20210310		1355								X												X	X			
9	FMW-9-20210310		1410								X												X	X			
10	FMW-4-20210310		1445								X												X	X			

	Signature	Company	Date	Time
Relinquished	Emi Smith	Farallon	3/10/21	1800
Received	Van	SPDY	3-11-21	1145
Relinquished	Van	SPDY	3-11-21	1220
Received	Nicole Sifri	OSE	3/11/21	1220
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions

hold 500mL poly from sample MW-3-20210310

* Field Filtered

Vinyl chloride - SIM - 0.02 ppb

Data Package: Standard ☐ Level III ☐ Level IV ☐

Chromatograms with final report ☐ Electronic Data Deliverables (EDDs) ☐

Chain of Custody

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

Company: Farallon Consulting
Project Number: 2032-012
Project Name: 68th Avenue South
Project Manager: P. Kingston
Sampled by: G. McKinney E. Smith

Turnaround Request (in working days)
(Check One)
☐ Same Day ☐ 1 Day
☐ 2 Days ☐ 3 Days
☒ Standard (7 Days)
☐ _____ (other)

Laboratory Number: 03-128

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx (☐ Acid / SG Clean-up)	Volatiles 8260D	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	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664A	Total Metals ~~Lead~~ MTCA	Dissolved Metals MTCA 5			% Moisture
11	FMW-1-20210310	3/10/21	1500	H_2O	5						X												X	X			
12	FMW-13-20210310	↓	1540	↓	↓						X												X	X			
13	FMW-2-20210310		1550								X												X	X			
14	FMW-3-20210310		1625								X												X	X			
15	FMW-12-20210310		1645								X												X	X			
				6																							

	Signature	Company	Date	Time
Relinquished	Erin Smith	Farallon	3/10/21	1800
Received	Van	spdy	3/11/21	1145
Relinquished	Van	spdy	3/11/21	1220
Received	Nicole Bjus	OSE	3/11/21	1220
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions

Data Package: Standard ☐ Level III ☐ Level IV ☐

Chromatograms with final report ☐ Electronic Data Deliverables (EDDs) ☐

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

June 1, 2021

Pete Kingston
Farallon Consulting
1809 7th Avenue, Suite 1111
Seattle, WA 98101

Re: Analytical Data for Project 2032-012
Laboratory Reference No. 2105-239

Dear Pete:

Enclosed are the analytical results and associated quality control data for samples submitted on May 26, 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: June 1, 2021
Samples Submitted: May 26, 2021
Laboratory Reference: 2105-239
Project: 2032-012

Case Narrative

Samples were collected on May 24, 2021 and received by the laboratory on May 26, 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: June 1, 2021
Samples Submitted: May 26, 2021
Laboratory Reference: 2105-239
Project: 2032-012

VOLATILE ORGANICS EPA 8260D/SIM
page 1 of 2

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FMW-14-20210524**					
Laboratory ID:	05-239-01					
Dichlorodifluoromethane	ND	0.20	EPA 8260D	5-26-21	5-26-21	
Chloromethane	ND	1.0	EPA 8260D	5-26-21	5-26-21	
Vinyl Chloride	ND	0.020	EPA 8260D/SIM	5-26-21	5-26-21	
Bromomethane	ND	0.32	EPA 8260D	5-26-21	5-26-21	
Chloroethane	ND	1.0	EPA 8260D	5-26-21	5-26-21	
Trichlorofluoromethane	ND	0.20	EPA 8260D	5-26-21	5-26-21	
1,1-Dichloroethene	ND	0.20	EPA 8260D	5-26-21	5-26-21	
Iodomethane	ND	1.6	EPA 8260D	5-26-21	5-26-21	
Methylene Chloride	ND	1.0	EPA 8260D	5-26-21	5-26-21	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260D	5-26-21	5-26-21	
1,1-Dichloroethane	ND	0.20	EPA 8260D	5-26-21	5-26-21	
2,2-Dichloropropane	ND	0.20	EPA 8260D	5-26-21	5-26-21	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260D	5-26-21	5-26-21	
Bromochloromethane	ND	0.20	EPA 8260D	5-26-21	5-26-21	
Chloroform	ND	0.20	EPA 8260D	5-26-21	5-26-21	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	5-26-21	5-26-21	
Carbon Tetrachloride	ND	0.20	EPA 8260D	5-26-21	5-26-21	
1,1-Dichloropropene	ND	0.20	EPA 8260D	5-26-21	5-26-21	
1,2-Dichloroethane	ND	0.20	EPA 8260D	5-26-21	5-26-21	
Trichloroethene	ND	0.20	EPA 8260D	5-26-21	5-26-21	
1,2-Dichloropropane	ND	0.20	EPA 8260D	5-26-21	5-26-21	
Dibromomethane	ND	0.20	EPA 8260D	5-26-21	5-26-21	
Bromodichloromethane	ND	0.20	EPA 8260D	5-26-21	5-26-21	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260D	5-26-21	5-26-21	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	5-26-21	5-26-21	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	5-26-21	5-26-21	

Date of Report: June 1, 2021
Samples Submitted: May 26, 2021
Laboratory Reference: 2105-239
Project: 2032-012

VOLATILE ORGANICS EPA 8260D/SIM
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FMW-14-20210524**					
Laboratory ID:	05-239-01					
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	5-26-21	5-26-21	
Tetrachloroethene	ND	0.20	EPA 8260D	5-26-21	5-26-21	
1,3-Dichloropropane	ND	0.20	EPA 8260D	5-26-21	5-26-21	
Dibromochloromethane	ND	0.20	EPA 8260D	5-26-21	5-26-21	
1,2-Dibromoethane	ND	0.20	EPA 8260D	5-26-21	5-26-21	
Chlorobenzene	ND	0.20	EPA 8260D	5-26-21	5-26-21	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	5-26-21	5-26-21	
Bromoform	ND	1.0	EPA 8260D	5-26-21	5-26-21	
Bromobenzene	ND	0.20	EPA 8260D	5-26-21	5-26-21	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	5-26-21	5-26-21	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	5-26-21	5-26-21	
2-Chlorotoluene	ND	0.20	EPA 8260D	5-26-21	5-26-21	
4-Chlorotoluene	ND	0.20	EPA 8260D	5-26-21	5-26-21	
1,3-Dichlorobenzene	ND	0.20	EPA 8260D	5-26-21	5-26-21	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	5-26-21	5-26-21	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	5-26-21	5-26-21	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260D	5-26-21	5-26-21	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260D	5-26-21	5-26-21	
Hexachlorobutadiene	ND	1.0	EPA 8260D	5-26-21	5-26-21	
1,2,3-Trichlorobenzene	ND	0.25	EPA 8260D	5-26-21	5-26-21	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*102*	*75-127*				
Toluene-d8	*100*	*80-127*				
4-Bromofluorobenzene	*96*	*78-125*				

Date of Report: June 1, 2021
Samples Submitted: May 26, 2021
Laboratory Reference: 2105-239
Project: 2032-012

VOLATILE ORGANICS EPA 8260D/SIM
page 1 of 2

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FMW-15-20210524**					
Laboratory ID:	05-239-02					
Dichlorodifluoromethane	ND	0.20	EPA 8260D	5-26-21	5-26-21	
Chloromethane	ND	1.0	EPA 8260D	5-26-21	5-26-21	
Vinyl Chloride	ND	0.020	EPA 8260D/SIM	5-26-21	5-26-21	
Bromomethane	ND	0.32	EPA 8260D	5-26-21	5-26-21	
Chloroethane	ND	1.0	EPA 8260D	5-26-21	5-26-21	
Trichlorofluoromethane	ND	0.20	EPA 8260D	5-26-21	5-26-21	
1,1-Dichloroethene	ND	0.20	EPA 8260D	5-26-21	5-26-21	
Iodomethane	ND	1.6	EPA 8260D	5-26-21	5-26-21	
Methylene Chloride	ND	1.0	EPA 8260D	5-26-21	5-26-21	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260D	5-26-21	5-26-21	
1,1-Dichloroethane	ND	0.20	EPA 8260D	5-26-21	5-26-21	
2,2-Dichloropropane	ND	0.20	EPA 8260D	5-26-21	5-26-21	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260D	5-26-21	5-26-21	
Bromochloromethane	ND	0.20	EPA 8260D	5-26-21	5-26-21	
Chloroform	ND	0.20	EPA 8260D	5-26-21	5-26-21	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	5-26-21	5-26-21	
Carbon Tetrachloride	ND	0.20	EPA 8260D	5-26-21	5-26-21	
1,1-Dichloropropene	ND	0.20	EPA 8260D	5-26-21	5-26-21	
1,2-Dichloroethane	ND	0.20	EPA 8260D	5-26-21	5-26-21	
Trichloroethene	ND	0.20	EPA 8260D	5-26-21	5-26-21	
1,2-Dichloropropane	ND	0.20	EPA 8260D	5-26-21	5-26-21	
Dibromomethane	ND	0.20	EPA 8260D	5-26-21	5-26-21	
Bromodichloromethane	ND	0.20	EPA 8260D	5-26-21	5-26-21	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260D	5-26-21	5-26-21	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	5-26-21	5-26-21	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	5-26-21	5-26-21	

Date of Report: June 1, 2021
Samples Submitted: May 26, 2021
Laboratory Reference: 2105-239
Project: 2032-012

VOLATILE ORGANICS EPA 8260D/SIM
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FMW-15-20210524**					
Laboratory ID:	05-239-02					
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	5-26-21	5-26-21	
Tetrachloroethene	ND	0.20	EPA 8260D	5-26-21	5-26-21	
1,3-Dichloropropane	ND	0.20	EPA 8260D	5-26-21	5-26-21	
Dibromochloromethane	ND	0.20	EPA 8260D	5-26-21	5-26-21	
1,2-Dibromoethane	ND	0.20	EPA 8260D	5-26-21	5-26-21	
Chlorobenzene	ND	0.20	EPA 8260D	5-26-21	5-26-21	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	5-26-21	5-26-21	
Bromoform	ND	1.0	EPA 8260D	5-26-21	5-26-21	
Bromobenzene	ND	0.20	EPA 8260D	5-26-21	5-26-21	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	5-26-21	5-26-21	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	5-26-21	5-26-21	
2-Chlorotoluene	ND	0.20	EPA 8260D	5-26-21	5-26-21	
4-Chlorotoluene	ND	0.20	EPA 8260D	5-26-21	5-26-21	
1,3-Dichlorobenzene	ND	0.20	EPA 8260D	5-26-21	5-26-21	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	5-26-21	5-26-21	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	5-26-21	5-26-21	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260D	5-26-21	5-26-21	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260D	5-26-21	5-26-21	
Hexachlorobutadiene	ND	1.0	EPA 8260D	5-26-21	5-26-21	
1,2,3-Trichlorobenzene	ND	0.25	EPA 8260D	5-26-21	5-26-21	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*103*	*75-127*				
Toluene-d8	*102*	*80-127*				
4-Bromofluorobenzene	*94*	*78-125*				

Date of Report: June 1, 2021
Samples Submitted: May 26, 2021
Laboratory Reference: 2105-239
Project: 2032-012

VOLATILE ORGANICS EPA 8260D/SIM
QUALITY CONTROL
page 1 of 2

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0526W1					
Dichlorodifluoromethane	ND	0.20	EPA 8260D	5-26-21	5-26-21	
Chloromethane	ND	1.0	EPA 8260D	5-26-21	5-26-21	
Vinyl Chloride	ND	0.020	EPA 8260D/SIM	5-26-21	5-26-21	
Bromomethane	ND	0.32	EPA 8260D	5-26-21	5-26-21	
Chloroethane	ND	1.0	EPA 8260D	5-26-21	5-26-21	
Trichlorofluoromethane	ND	0.20	EPA 8260D	5-26-21	5-26-21	
1,1-Dichloroethene	ND	0.20	EPA 8260D	5-26-21	5-26-21	
Iodomethane	ND	1.6	EPA 8260D	5-26-21	5-26-21	
Methylene Chloride	ND	1.0	EPA 8260D	5-26-21	5-26-21	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260D	5-26-21	5-26-21	
1,1-Dichloroethane	ND	0.20	EPA 8260D	5-26-21	5-26-21	
2,2-Dichloropropane	ND	0.20	EPA 8260D	5-26-21	5-26-21	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260D	5-26-21	5-26-21	
Bromochloromethane	ND	0.20	EPA 8260D	5-26-21	5-26-21	
Chloroform	ND	0.20	EPA 8260D	5-26-21	5-26-21	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	5-26-21	5-26-21	
Carbon Tetrachloride	ND	0.20	EPA 8260D	5-26-21	5-26-21	
1,1-Dichloropropene	ND	0.20	EPA 8260D	5-26-21	5-26-21	
1,2-Dichloroethane	ND	0.20	EPA 8260D	5-26-21	5-26-21	
Trichloroethene	ND	0.20	EPA 8260D	5-26-21	5-26-21	
1,2-Dichloropropane	ND	0.20	EPA 8260D	5-26-21	5-26-21	
Dibromomethane	ND	0.20	EPA 8260D	5-26-21	5-26-21	
Bromodichloromethane	ND	0.20	EPA 8260D	5-26-21	5-26-21	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260D	5-26-21	5-26-21	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	5-26-21	5-26-21	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	5-26-21	5-26-21	

Date of Report: June 1, 2021
Samples Submitted: May 26, 2021
Laboratory Reference: 2105-239
Project: 2032-012

VOLATILE ORGANICS EPA 8260D/SIM
QUALITY CONTROL
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0526W1					
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	5-26-21	5-26-21	
Tetrachloroethene	ND	0.20	EPA 8260D	5-26-21	5-26-21	
1,3-Dichloropropane	ND	0.20	EPA 8260D	5-26-21	5-26-21	
Dibromochloromethane	ND	0.20	EPA 8260D	5-26-21	5-26-21	
1,2-Dibromoethane	ND	0.20	EPA 8260D	5-26-21	5-26-21	
Chlorobenzene	ND	0.20	EPA 8260D	5-26-21	5-26-21	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	5-26-21	5-26-21	
Bromoform	ND	1.0	EPA 8260D	5-26-21	5-26-21	
Bromobenzene	ND	0.20	EPA 8260D	5-26-21	5-26-21	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	5-26-21	5-26-21	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	5-26-21	5-26-21	
2-Chlorotoluene	ND	0.20	EPA 8260D	5-26-21	5-26-21	
4-Chlorotoluene	ND	0.20	EPA 8260D	5-26-21	5-26-21	
1,3-Dichlorobenzene	ND	0.20	EPA 8260D	5-26-21	5-26-21	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	5-26-21	5-26-21	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	5-26-21	5-26-21	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260D	5-26-21	5-26-21	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260D	5-26-21	5-26-21	
Hexachlorobutadiene	ND	1.0	EPA 8260D	5-26-21	5-26-21	
1,2,3-Trichlorobenzene	ND	0.25	EPA 8260D	5-26-21	5-26-21	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*103*	*75-127*				
Toluene-d8	*103*	*80-127*				
4-Bromofluorobenzene	*99*	*78-125*				

Date of Report: June 1, 2021
Samples Submitted: May 26, 2021
Laboratory Reference: 2105-239
Project: 2032-012

VOLATILE ORGANICS EPA 8260D/SIM
QUALITY CONTROL

Matrix: Water
Units: ug/L

Analyte	Result		Spike Level		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB0526W1									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	**11.0**	**11.2**	10.0	10.0	110	112	78-124	2	19	
Benzene	**10.6**	**10.7**	10.0	10.0	106	107	80-119	1	16	
Trichloroethene	**10.8**	**10.8**	10.0	10.0	108	108	80-121	0	18	
Toluene	**10.2**	**10.1**	10.0	10.0	102	101	80-117	1	18	
Chlorobenzene	**10.0**	**9.83**	10.0	10.0	100	98	80-117	2	17	
Surrogate:										
Dibromofluoromethane					*102*	*101*	*75-127*			
Toluene-d8					*102*	*102*	*80-127*			
4-Bromofluorobenzene					*102*	*100*	*78-125*			

OnSite Environmental Inc.

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.

ND - Not Detected at PQL
PQL - Practical Quantitation Limit
RPD - Relative Percent Difference

Chain of Custody

Page 1 of 1

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

Company: Farallon Consulting
Project Number: 2032-012
Project Name: 68th Avenue South
Project Manager: P. Kingston, G. Peters
Sampled by: G. McKenney

Turnaround Request (in working days)

(Check One)

- ☐ Same Day ☐ 1 Day
- ☐ 2 Days ☐ 3 Days
- ☒ Standard (7 Days) (TPH analysis 5 Days)
- ☐ _____ (other)

Laboratory Number: 05-239

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers
1	FMW-14-20210524	5/24/21	1500	H_2O	3
2	FMW-15-20210524	↓	1630	↓	3

Lab ID	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx (☐ Acid / SG Clean-up)	Volatiles 8260C	Halogenated Volatiles 8260C	EDB EPA 8011 (Waters Only)	Semivolatiles 8270D/SIM (with low-level PAHs)	PAHs 8270D/SIM (low-level)	PCBs 8082A	Organochlorine Pesticides 8081B	Organophosphorus Pesticides 8270D/SIM	Chlorinated Acid Herbicides 8151A	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664A	STM for Vinyl Chloride				% Moisture
1						X												X				
2						X												X				

	Signature	Company	Date	Time
Relinquished		FLN	5/26/21	1155
Received		CORE	5/26/21	1155
Relinquished				
Received				
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions

Data Package: Standard ☐ Level III ☐ Level IV ☐

Chromatograms with final report ☐ Electronic Data Deliverables (EDDs) ☐

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

March 9, 2021

Pete Kingston
Farallon Consulting
1809 7th Avenue, Suite 1111
Seattle, WA 98101

Re: Analytical Data for Project 2032-12
Laboratory Reference No. 2103-046

Dear Pete:

Enclosed are the analytical results and associated quality control data for samples submitted on March 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: March 9, 2021
Samples Submitted: March 3, 2021
Laboratory Reference: 2103-046
Project: 2032-12

Case Narrative

Samples were collected on March 3, 2021 and received by the laboratory on March 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: March 9, 2021
Samples Submitted: March 3, 2021
Laboratory Reference: 2103-046
Project: 2032-12

VOLATILE ORGANICS EPA 8260D
page 1 of 2

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**AS-1-2**					
Laboratory ID:	03-046-03					
Dichlorodifluoromethane	ND	0.0011	EPA 8260D	3-8-21	3-8-21	
Chloromethane	ND	0.0056	EPA 8260D	3-8-21	3-8-21	
Vinyl Chloride	ND	0.0011	EPA 8260D	3-8-21	3-8-21	
Bromomethane	ND	0.0056	EPA 8260D	3-8-21	3-8-21	
Chloroethane	ND	0.0056	EPA 8260D	3-8-21	3-8-21	
Trichlorofluoromethane	ND	0.0011	EPA 8260D	3-8-21	3-8-21	
1,1-Dichloroethene	ND	0.0011	EPA 8260D	3-8-21	3-8-21	
Iodomethane	ND	0.0056	EPA 8260D	3-8-21	3-8-21	
Methylene Chloride	ND	0.0077	EPA 8260D	3-8-21	3-8-21	
(trans) 1,2-Dichloroethene	ND	0.0011	EPA 8260D	3-8-21	3-8-21	
1,1-Dichloroethane	ND	0.0011	EPA 8260D	3-8-21	3-8-21	
2,2-Dichloropropane	ND	0.0011	EPA 8260D	3-8-21	3-8-21	
(cis) 1,2-Dichloroethene	ND	0.0011	EPA 8260D	3-8-21	3-8-21	
Bromochloromethane	ND	0.0011	EPA 8260D	3-8-21	3-8-21	
Chloroform	ND	0.0011	EPA 8260D	3-8-21	3-8-21	
1,1,1-Trichloroethane	ND	0.0011	EPA 8260D	3-8-21	3-8-21	
Carbon Tetrachloride	ND	0.0011	EPA 8260D	3-8-21	3-8-21	
1,1-Dichloropropene	ND	0.0011	EPA 8260D	3-8-21	3-8-21	
1,2-Dichloroethane	ND	0.0011	EPA 8260D	3-8-21	3-8-21	
Trichloroethene	ND	0.0011	EPA 8260D	3-8-21	3-8-21	
1,2-Dichloropropane	ND	0.0011	EPA 8260D	3-8-21	3-8-21	
Dibromomethane	ND	0.0011	EPA 8260D	3-8-21	3-8-21	
Bromodichloromethane	ND	0.0011	EPA 8260D	3-8-21	3-8-21	
2-Chloroethyl Vinyl Ether	ND	0.0056	EPA 8260D	3-8-21	3-8-21	
(cis) 1,3-Dichloropropene	ND	0.0011	EPA 8260D	3-8-21	3-8-21	
(trans) 1,3-Dichloropropene	ND	0.0011	EPA 8260D	3-8-21	3-8-21	

Date of Report: March 9, 2021
Samples Submitted: March 3, 2021
Laboratory Reference: 2103-046
Project: 2032-12

VOLATILE ORGANICS EPA 8260D
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**AS-1-2**					
Laboratory ID:	03-046-03					
1,1,2-Trichloroethane	ND	0.0011	EPA 8260D	3-8-21	3-8-21	
Tetrachloroethene	ND	0.0011	EPA 8260D	3-8-21	3-8-21	
1,3-Dichloropropane	ND	0.0011	EPA 8260D	3-8-21	3-8-21	
Dibromochloromethane	ND	0.0011	EPA 8260D	3-8-21	3-8-21	
1,2-Dibromoethane	ND	0.0011	EPA 8260D	3-8-21	3-8-21	
Chlorobenzene	ND	0.0011	EPA 8260D	3-8-21	3-8-21	
1,1,1,2-Tetrachloroethane	ND	0.0011	EPA 8260D	3-8-21	3-8-21	
Bromoform	ND	0.0056	EPA 8260D	3-8-21	3-8-21	
Bromobenzene	ND	0.0011	EPA 8260D	3-8-21	3-8-21	
1,1,2,2-Tetrachloroethane	ND	0.0011	EPA 8260D	3-8-21	3-8-21	
1,2,3-Trichloropropane	ND	0.0011	EPA 8260D	3-8-21	3-8-21	
2-Chlorotoluene	ND	0.0011	EPA 8260D	3-8-21	3-8-21	
4-Chlorotoluene	ND	0.0011	EPA 8260D	3-8-21	3-8-21	
1,3-Dichlorobenzene	ND	0.0011	EPA 8260D	3-8-21	3-8-21	
1,4-Dichlorobenzene	ND	0.0011	EPA 8260D	3-8-21	3-8-21	
1,2-Dichlorobenzene	ND	0.0011	EPA 8260D	3-8-21	3-8-21	
1,2-Dibromo-3-chloropropane	ND	0.0056	EPA 8260D	3-8-21	3-8-21	
1,2,4-Trichlorobenzene	ND	0.0011	EPA 8260D	3-8-21	3-8-21	
Hexachlorobutadiene	ND	0.0056	EPA 8260D	3-8-21	3-8-21	
1,2,3-Trichlorobenzene	ND	0.0011	EPA 8260D	3-8-21	3-8-21	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*105*	*74-131*				
Toluene-d8	*98*	*78-128*				
4-Bromofluorobenzene	*93*	*71-130*				

Date of Report: March 9, 2021
Samples Submitted: March 3, 2021
Laboratory Reference: 2103-046
Project: 2032-12

VOLATILE ORGANICS EPA 8260D
page 1 of 2

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FMW-12-2**					
Laboratory ID:	03-046-05					
Dichlorodifluoromethane	ND	0.00083	EPA 8260D	3-8-21	3-8-21	
Chloromethane	ND	0.0042	EPA 8260D	3-8-21	3-8-21	
Vinyl Chloride	ND	0.00083	EPA 8260D	3-8-21	3-8-21	
Bromomethane	ND	0.0042	EPA 8260D	3-8-21	3-8-21	
Chloroethane	ND	0.0042	EPA 8260D	3-8-21	3-8-21	
Trichlorofluoromethane	ND	0.00083	EPA 8260D	3-8-21	3-8-21	
1,1-Dichloroethene	ND	0.00083	EPA 8260D	3-8-21	3-8-21	
Iodomethane	ND	0.0042	EPA 8260D	3-8-21	3-8-21	
Methylene Chloride	ND	0.0057	EPA 8260D	3-8-21	3-8-21	
(trans) 1,2-Dichloroethene	ND	0.00083	EPA 8260D	3-8-21	3-8-21	
1,1-Dichloroethane	ND	0.00083	EPA 8260D	3-8-21	3-8-21	
2,2-Dichloropropane	ND	0.00083	EPA 8260D	3-8-21	3-8-21	
(cis) 1,2-Dichloroethene	ND	0.00083	EPA 8260D	3-8-21	3-8-21	
Bromochloromethane	ND	0.00083	EPA 8260D	3-8-21	3-8-21	
Chloroform	ND	0.00083	EPA 8260D	3-8-21	3-8-21	
1,1,1-Trichloroethane	ND	0.00083	EPA 8260D	3-8-21	3-8-21	
Carbon Tetrachloride	ND	0.00083	EPA 8260D	3-8-21	3-8-21	
1,1-Dichloropropene	ND	0.00083	EPA 8260D	3-8-21	3-8-21	
1,2-Dichloroethane	ND	0.00083	EPA 8260D	3-8-21	3-8-21	
Trichloroethene	ND	0.00083	EPA 8260D	3-8-21	3-8-21	
1,2-Dichloropropane	ND	0.00083	EPA 8260D	3-8-21	3-8-21	
Dibromomethane	ND	0.00083	EPA 8260D	3-8-21	3-8-21	
Bromodichloromethane	ND	0.00083	EPA 8260D	3-8-21	3-8-21	
2-Chloroethyl Vinyl Ether	ND	0.0042	EPA 8260D	3-8-21	3-8-21	
(cis) 1,3-Dichloropropene	ND	0.00083	EPA 8260D	3-8-21	3-8-21	
(trans) 1,3-Dichloropropene	ND	0.00083	EPA 8260D	3-8-21	3-8-21	

Date of Report: March 9, 2021
Samples Submitted: March 3, 2021
Laboratory Reference: 2103-046
Project: 2032-12

VOLATILE ORGANICS EPA 8260D
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FMW-12-2**					
Laboratory ID:	03-046-05					
1,1,2-Trichloroethane	ND	0.00083	EPA 8260D	3-8-21	3-8-21	
Tetrachloroethene	0.00086	0.00083	EPA 8260D	3-8-21	3-8-21	
1,3-Dichloropropane	ND	0.00083	EPA 8260D	3-8-21	3-8-21	
Dibromochloromethane	ND	0.00083	EPA 8260D	3-8-21	3-8-21	
1,2-Dibromoethane	ND	0.00083	EPA 8260D	3-8-21	3-8-21	
Chlorobenzene	ND	0.00083	EPA 8260D	3-8-21	3-8-21	
1,1,1,2-Tetrachloroethane	ND	0.00083	EPA 8260D	3-8-21	3-8-21	
Bromoform	ND	0.0042	EPA 8260D	3-8-21	3-8-21	
Bromobenzene	ND	0.00083	EPA 8260D	3-8-21	3-8-21	
1,1,2,2-Tetrachloroethane	ND	0.00083	EPA 8260D	3-8-21	3-8-21	
1,2,3-Trichloropropane	ND	0.00083	EPA 8260D	3-8-21	3-8-21	
2-Chlorotoluene	ND	0.00083	EPA 8260D	3-8-21	3-8-21	
4-Chlorotoluene	ND	0.00083	EPA 8260D	3-8-21	3-8-21	
1,3-Dichlorobenzene	ND	0.00083	EPA 8260D	3-8-21	3-8-21	
1,4-Dichlorobenzene	ND	0.00083	EPA 8260D	3-8-21	3-8-21	
1,2-Dichlorobenzene	ND	0.00083	EPA 8260D	3-8-21	3-8-21	
1,2-Dibromo-3-chloropropane	ND	0.0042	EPA 8260D	3-8-21	3-8-21	
1,2,4-Trichlorobenzene	ND	0.00083	EPA 8260D	3-8-21	3-8-21	
Hexachlorobutadiene	ND	0.0042	EPA 8260D	3-8-21	3-8-21	
1,2,3-Trichlorobenzene	ND	0.00083	EPA 8260D	3-8-21	3-8-21	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*111*	*74-131*				
Toluene-d8	*101*	*78-128*				
4-Bromofluorobenzene	*98*	*71-130*				

Date of Report: March 9, 2021
Samples Submitted: March 3, 2021
Laboratory Reference: 2103-046
Project: 2032-12

VOLATILE ORGANICS EPA 8260D
page 1 of 2

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**F-25-2**					
Laboratory ID:	03-046-06					
Dichlorodifluoromethane	ND	0.00091	EPA 8260D	3-8-21	3-8-21	
Chloromethane	ND	0.0046	EPA 8260D	3-8-21	3-8-21	
Vinyl Chloride	ND	0.00091	EPA 8260D	3-8-21	3-8-21	
Bromomethane	ND	0.0046	EPA 8260D	3-8-21	3-8-21	
Chloroethane	ND	0.0046	EPA 8260D	3-8-21	3-8-21	
Trichlorofluoromethane	ND	0.00091	EPA 8260D	3-8-21	3-8-21	
1,1-Dichloroethene	ND	0.00091	EPA 8260D	3-8-21	3-8-21	
Iodomethane	ND	0.0046	EPA 8260D	3-8-21	3-8-21	
Methylene Chloride	ND	0.0063	EPA 8260D	3-8-21	3-8-21	
(trans) 1,2-Dichloroethene	ND	0.00091	EPA 8260D	3-8-21	3-8-21	
1,1-Dichloroethane	ND	0.00091	EPA 8260D	3-8-21	3-8-21	
2,2-Dichloropropane	ND	0.00091	EPA 8260D	3-8-21	3-8-21	
(cis) 1,2-Dichloroethene	ND	0.00091	EPA 8260D	3-8-21	3-8-21	
Bromochloromethane	ND	0.00091	EPA 8260D	3-8-21	3-8-21	
Chloroform	ND	0.00091	EPA 8260D	3-8-21	3-8-21	
1,1,1-Trichloroethane	ND	0.00091	EPA 8260D	3-8-21	3-8-21	
Carbon Tetrachloride	ND	0.00091	EPA 8260D	3-8-21	3-8-21	
1,1-Dichloropropene	ND	0.00091	EPA 8260D	3-8-21	3-8-21	
1,2-Dichloroethane	ND	0.00091	EPA 8260D	3-8-21	3-8-21	
Trichloroethene	ND	0.00091	EPA 8260D	3-8-21	3-8-21	
1,2-Dichloropropane	ND	0.00091	EPA 8260D	3-8-21	3-8-21	
Dibromomethane	ND	0.00091	EPA 8260D	3-8-21	3-8-21	
Bromodichloromethane	ND	0.00091	EPA 8260D	3-8-21	3-8-21	
2-Chloroethyl Vinyl Ether	ND	0.0046	EPA 8260D	3-8-21	3-8-21	
(cis) 1,3-Dichloropropene	ND	0.00091	EPA 8260D	3-8-21	3-8-21	
(trans) 1,3-Dichloropropene	ND	0.00091	EPA 8260D	3-8-21	3-8-21	

Date of Report: March 9, 2021
Samples Submitted: March 3, 2021
Laboratory Reference: 2103-046
Project: 2032-12

VOLATILE ORGANICS EPA 8260D
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**F-25-2**					
Laboratory ID:	03-046-06					
1,1,2-Trichloroethane	ND	0.00091	EPA 8260D	3-8-21	3-8-21	
Tetrachloroethene	0.031	0.00091	EPA 8260D	3-8-21	3-8-21	
1,3-Dichloropropane	ND	0.00091	EPA 8260D	3-8-21	3-8-21	
Dibromochloromethane	ND	0.00091	EPA 8260D	3-8-21	3-8-21	
1,2-Dibromoethane	ND	0.00091	EPA 8260D	3-8-21	3-8-21	
Chlorobenzene	ND	0.00091	EPA 8260D	3-8-21	3-8-21	
1,1,1,2-Tetrachloroethane	ND	0.00091	EPA 8260D	3-8-21	3-8-21	
Bromoform	ND	0.0046	EPA 8260D	3-8-21	3-8-21	
Bromobenzene	ND	0.00091	EPA 8260D	3-8-21	3-8-21	
1,1,2,2-Tetrachloroethane	ND	0.00091	EPA 8260D	3-8-21	3-8-21	
1,2,3-Trichloropropane	ND	0.00091	EPA 8260D	3-8-21	3-8-21	
2-Chlorotoluene	ND	0.00091	EPA 8260D	3-8-21	3-8-21	
4-Chlorotoluene	ND	0.00091	EPA 8260D	3-8-21	3-8-21	
1,3-Dichlorobenzene	ND	0.00091	EPA 8260D	3-8-21	3-8-21	
1,4-Dichlorobenzene	ND	0.00091	EPA 8260D	3-8-21	3-8-21	
1,2-Dichlorobenzene	ND	0.00091	EPA 8260D	3-8-21	3-8-21	
1,2-Dibromo-3-chloropropane	ND	0.0046	EPA 8260D	3-8-21	3-8-21	
1,2,4-Trichlorobenzene	ND	0.00091	EPA 8260D	3-8-21	3-8-21	
Hexachlorobutadiene	ND	0.0046	EPA 8260D	3-8-21	3-8-21	
1,2,3-Trichlorobenzene	ND	0.00091	EPA 8260D	3-8-21	3-8-21	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*110*	*74-131*				
Toluene-d8	*101*	*78-128*				
4-Bromofluorobenzene	*97*	*71-130*				

Date of Report: March 9, 2021
Samples Submitted: March 3, 2021
Laboratory Reference: 2103-046
Project: 2032-12

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Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**F-26-2**					
Laboratory ID:	03-046-07					
Dichlorodifluoromethane	ND	0.00096	EPA 8260D	3-8-21	3-8-21	
Chloromethane	ND	0.0048	EPA 8260D	3-8-21	3-8-21	
Vinyl Chloride	ND	0.00096	EPA 8260D	3-8-21	3-8-21	
Bromomethane	ND	0.0048	EPA 8260D	3-8-21	3-8-21	
Chloroethane	ND	0.0048	EPA 8260D	3-8-21	3-8-21	
Trichlorofluoromethane	ND	0.00096	EPA 8260D	3-8-21	3-8-21	
1,1-Dichloroethene	ND	0.00096	EPA 8260D	3-8-21	3-8-21	
Iodomethane	ND	0.0048	EPA 8260D	3-8-21	3-8-21	
Methylene Chloride	ND	0.0066	EPA 8260D	3-8-21	3-8-21	
(trans) 1,2-Dichloroethene	ND	0.00096	EPA 8260D	3-8-21	3-8-21	
1,1-Dichloroethane	ND	0.00096	EPA 8260D	3-8-21	3-8-21	
2,2-Dichloropropane	ND	0.00096	EPA 8260D	3-8-21	3-8-21	
(cis) 1,2-Dichloroethene	ND	0.00096	EPA 8260D	3-8-21	3-8-21	
Bromochloromethane	ND	0.00096	EPA 8260D	3-8-21	3-8-21	
Chloroform	ND	0.00096	EPA 8260D	3-8-21	3-8-21	
1,1,1-Trichloroethane	ND	0.00096	EPA 8260D	3-8-21	3-8-21	
Carbon Tetrachloride	ND	0.00096	EPA 8260D	3-8-21	3-8-21	
1,1-Dichloropropene	ND	0.00096	EPA 8260D	3-8-21	3-8-21	
1,2-Dichloroethane	ND	0.00096	EPA 8260D	3-8-21	3-8-21	
Trichloroethene	ND	0.00096	EPA 8260D	3-8-21	3-8-21	
1,2-Dichloropropane	ND	0.00096	EPA 8260D	3-8-21	3-8-21	
Dibromomethane	ND	0.00096	EPA 8260D	3-8-21	3-8-21	
Bromodichloromethane	ND	0.00096	EPA 8260D	3-8-21	3-8-21	
2-Chloroethyl Vinyl Ether	ND	0.0048	EPA 8260D	3-8-21	3-8-21	
(cis) 1,3-Dichloropropene	ND	0.00096	EPA 8260D	3-8-21	3-8-21	
(trans) 1,3-Dichloropropene	ND	0.00096	EPA 8260D	3-8-21	3-8-21	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**F-26-2**					
Laboratory ID:	03-046-07					
1,1,2-Trichloroethane	ND	0.00096	EPA 8260D	3-8-21	3-8-21	
Tetrachloroethene	ND	0.00096	EPA 8260D	3-8-21	3-8-21	
1,3-Dichloropropane	ND	0.00096	EPA 8260D	3-8-21	3-8-21	
Dibromochloromethane	ND	0.00096	EPA 8260D	3-8-21	3-8-21	
1,2-Dibromoethane	ND	0.00096	EPA 8260D	3-8-21	3-8-21	
Chlorobenzene	ND	0.00096	EPA 8260D	3-8-21	3-8-21	
1,1,1,2-Tetrachloroethane	ND	0.00096	EPA 8260D	3-8-21	3-8-21	
Bromoform	ND	0.0048	EPA 8260D	3-8-21	3-8-21	
Bromobenzene	ND	0.00096	EPA 8260D	3-8-21	3-8-21	
1,1,2,2-Tetrachloroethane	ND	0.00096	EPA 8260D	3-8-21	3-8-21	
1,2,3-Trichloropropane	ND	0.00096	EPA 8260D	3-8-21	3-8-21	
2-Chlorotoluene	ND	0.00096	EPA 8260D	3-8-21	3-8-21	
4-Chlorotoluene	ND	0.00096	EPA 8260D	3-8-21	3-8-21	
1,3-Dichlorobenzene	ND	0.00096	EPA 8260D	3-8-21	3-8-21	
1,4-Dichlorobenzene	ND	0.00096	EPA 8260D	3-8-21	3-8-21	
1,2-Dichlorobenzene	ND	0.00096	EPA 8260D	3-8-21	3-8-21	
1,2-Dibromo-3-chloropropane	ND	0.0048	EPA 8260D	3-8-21	3-8-21	
1,2,4-Trichlorobenzene	ND	0.00096	EPA 8260D	3-8-21	3-8-21	
Hexachlorobutadiene	ND	0.0048	EPA 8260D	3-8-21	3-8-21	
1,2,3-Trichlorobenzene	ND	0.00096	EPA 8260D	3-8-21	3-8-21	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*110*	*74-131*				
Toluene-d8	*102*	*78-128*				
4-Bromofluorobenzene	*98*	*71-130*				

Date of Report: March 9, 2021
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Project: 2032-12

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Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**F-27-2**					
Laboratory ID:	03-046-08					
Dichlorodifluoromethane	ND	0.00083	EPA 8260D	3-8-21	3-8-21	
Chloromethane	ND	0.0042	EPA 8260D	3-8-21	3-8-21	
Vinyl Chloride	ND	0.00083	EPA 8260D	3-8-21	3-8-21	
Bromomethane	ND	0.0042	EPA 8260D	3-8-21	3-8-21	
Chloroethane	ND	0.0042	EPA 8260D	3-8-21	3-8-21	
Trichlorofluoromethane	ND	0.00083	EPA 8260D	3-8-21	3-8-21	
1,1-Dichloroethene	ND	0.00083	EPA 8260D	3-8-21	3-8-21	
Iodomethane	ND	0.0042	EPA 8260D	3-8-21	3-8-21	
Methylene Chloride	ND	0.0058	EPA 8260D	3-8-21	3-8-21	
(trans) 1,2-Dichloroethene	ND	0.00083	EPA 8260D	3-8-21	3-8-21	
1,1-Dichloroethane	ND	0.00083	EPA 8260D	3-8-21	3-8-21	
2,2-Dichloropropane	ND	0.00083	EPA 8260D	3-8-21	3-8-21	
(cis) 1,2-Dichloroethene	ND	0.00083	EPA 8260D	3-8-21	3-8-21	
Bromochloromethane	ND	0.00083	EPA 8260D	3-8-21	3-8-21	
Chloroform	ND	0.00083	EPA 8260D	3-8-21	3-8-21	
1,1,1-Trichloroethane	ND	0.00083	EPA 8260D	3-8-21	3-8-21	
Carbon Tetrachloride	ND	0.00083	EPA 8260D	3-8-21	3-8-21	
1,1-Dichloropropene	ND	0.00083	EPA 8260D	3-8-21	3-8-21	
1,2-Dichloroethane	ND	0.00083	EPA 8260D	3-8-21	3-8-21	
Trichloroethene	ND	0.00083	EPA 8260D	3-8-21	3-8-21	
1,2-Dichloropropane	ND	0.00083	EPA 8260D	3-8-21	3-8-21	
Dibromomethane	ND	0.00083	EPA 8260D	3-8-21	3-8-21	
Bromodichloromethane	ND	0.00083	EPA 8260D	3-8-21	3-8-21	
2-Chloroethyl Vinyl Ether	ND	0.0042	EPA 8260D	3-8-21	3-8-21	
(cis) 1,3-Dichloropropene	ND	0.00083	EPA 8260D	3-8-21	3-8-21	
(trans) 1,3-Dichloropropene	ND	0.00083	EPA 8260D	3-8-21	3-8-21	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**F-27-2**					
Laboratory ID:	03-046-08					
1,1,2-Trichloroethane	ND	0.00083	EPA 8260D	3-8-21	3-8-21	
Tetrachloroethene	ND	0.00083	EPA 8260D	3-8-21	3-8-21	
1,3-Dichloropropane	ND	0.00083	EPA 8260D	3-8-21	3-8-21	
Dibromochloromethane	ND	0.00083	EPA 8260D	3-8-21	3-8-21	
1,2-Dibromoethane	ND	0.00083	EPA 8260D	3-8-21	3-8-21	
Chlorobenzene	ND	0.00083	EPA 8260D	3-8-21	3-8-21	
1,1,1,2-Tetrachloroethane	ND	0.00083	EPA 8260D	3-8-21	3-8-21	
Bromoform	ND	0.0042	EPA 8260D	3-8-21	3-8-21	
Bromobenzene	ND	0.00083	EPA 8260D	3-8-21	3-8-21	
1,1,2,2-Tetrachloroethane	ND	0.00083	EPA 8260D	3-8-21	3-8-21	
1,2,3-Trichloropropane	ND	0.00083	EPA 8260D	3-8-21	3-8-21	
2-Chlorotoluene	ND	0.00083	EPA 8260D	3-8-21	3-8-21	
4-Chlorotoluene	ND	0.00083	EPA 8260D	3-8-21	3-8-21	
1,3-Dichlorobenzene	ND	0.00083	EPA 8260D	3-8-21	3-8-21	
1,4-Dichlorobenzene	ND	0.00083	EPA 8260D	3-8-21	3-8-21	
1,2-Dichlorobenzene	ND	0.00083	EPA 8260D	3-8-21	3-8-21	
1,2-Dibromo-3-chloropropane	ND	0.0042	EPA 8260D	3-8-21	3-8-21	
1,2,4-Trichlorobenzene	ND	0.00083	EPA 8260D	3-8-21	3-8-21	
Hexachlorobutadiene	ND	0.0042	EPA 8260D	3-8-21	3-8-21	
1,2,3-Trichlorobenzene	ND	0.00083	EPA 8260D	3-8-21	3-8-21	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*104*	*74-131*				
Toluene-d8	*101*	*78-128*				
4-Bromofluorobenzene	*99*	*71-130*				

Date of Report: March 9, 2021
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Project: 2032-12

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Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**F-28-2**					
Laboratory ID:	03-046-09					
Dichlorodifluoromethane	ND	0.00079	EPA 8260D	3-8-21	3-8-21	
Chloromethane	ND	0.0039	EPA 8260D	3-8-21	3-8-21	
Vinyl Chloride	ND	0.00079	EPA 8260D	3-8-21	3-8-21	
Bromomethane	ND	0.0039	EPA 8260D	3-8-21	3-8-21	
Chloroethane	ND	0.0039	EPA 8260D	3-8-21	3-8-21	
Trichlorofluoromethane	ND	0.00079	EPA 8260D	3-8-21	3-8-21	
1,1-Dichloroethene	ND	0.00079	EPA 8260D	3-8-21	3-8-21	
Iodomethane	ND	0.0039	EPA 8260D	3-8-21	3-8-21	
Methylene Chloride	ND	0.0054	EPA 8260D	3-8-21	3-8-21	
(trans) 1,2-Dichloroethene	ND	0.00079	EPA 8260D	3-8-21	3-8-21	
1,1-Dichloroethane	ND	0.00079	EPA 8260D	3-8-21	3-8-21	
2,2-Dichloropropane	ND	0.00079	EPA 8260D	3-8-21	3-8-21	
(cis) 1,2-Dichloroethene	ND	0.00079	EPA 8260D	3-8-21	3-8-21	
Bromochloromethane	ND	0.00079	EPA 8260D	3-8-21	3-8-21	
Chloroform	ND	0.00079	EPA 8260D	3-8-21	3-8-21	
1,1,1-Trichloroethane	ND	0.00079	EPA 8260D	3-8-21	3-8-21	
Carbon Tetrachloride	ND	0.00079	EPA 8260D	3-8-21	3-8-21	
1,1-Dichloropropene	ND	0.00079	EPA 8260D	3-8-21	3-8-21	
1,2-Dichloroethane	ND	0.00079	EPA 8260D	3-8-21	3-8-21	
Trichloroethene	0.00097	0.00079	EPA 8260D	3-8-21	3-8-21	
1,2-Dichloropropane	ND	0.00079	EPA 8260D	3-8-21	3-8-21	
Dibromomethane	ND	0.00079	EPA 8260D	3-8-21	3-8-21	
Bromodichloromethane	ND	0.00079	EPA 8260D	3-8-21	3-8-21	
2-Chloroethyl Vinyl Ether	ND	0.0039	EPA 8260D	3-8-21	3-8-21	
(cis) 1,3-Dichloropropene	ND	0.00079	EPA 8260D	3-8-21	3-8-21	
(trans) 1,3-Dichloropropene	ND	0.00079	EPA 8260D	3-8-21	3-8-21	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**F-28-2**					
Laboratory ID:	03-046-09					
1,1,2-Trichloroethane	ND	0.00079	EPA 8260D	3-8-21	3-8-21	
Tetrachloroethene	ND	0.00079	EPA 8260D	3-8-21	3-8-21	
1,3-Dichloropropane	ND	0.00079	EPA 8260D	3-8-21	3-8-21	
Dibromochloromethane	ND	0.00079	EPA 8260D	3-8-21	3-8-21	
1,2-Dibromoethane	ND	0.00079	EPA 8260D	3-8-21	3-8-21	
Chlorobenzene	ND	0.00079	EPA 8260D	3-8-21	3-8-21	
1,1,1,2-Tetrachloroethane	ND	0.00079	EPA 8260D	3-8-21	3-8-21	
Bromoform	ND	0.0039	EPA 8260D	3-8-21	3-8-21	
Bromobenzene	ND	0.00079	EPA 8260D	3-8-21	3-8-21	
1,1,2,2-Tetrachloroethane	ND	0.00079	EPA 8260D	3-8-21	3-8-21	
1,2,3-Trichloropropane	ND	0.00079	EPA 8260D	3-8-21	3-8-21	
2-Chlorotoluene	ND	0.00079	EPA 8260D	3-8-21	3-8-21	
4-Chlorotoluene	ND	0.00079	EPA 8260D	3-8-21	3-8-21	
1,3-Dichlorobenzene	ND	0.00079	EPA 8260D	3-8-21	3-8-21	
1,4-Dichlorobenzene	ND	0.00079	EPA 8260D	3-8-21	3-8-21	
1,2-Dichlorobenzene	ND	0.00079	EPA 8260D	3-8-21	3-8-21	
1,2-Dibromo-3-chloropropane	ND	0.0039	EPA 8260D	3-8-21	3-8-21	
1,2,4-Trichlorobenzene	ND	0.00079	EPA 8260D	3-8-21	3-8-21	
Hexachlorobutadiene	ND	0.0039	EPA 8260D	3-8-21	3-8-21	
1,2,3-Trichlorobenzene	ND	0.00079	EPA 8260D	3-8-21	3-8-21	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*104*	*74-131*				
Toluene-d8	*101*	*78-128*				
4-Bromofluorobenzene	*94*	*71-130*				

Date of Report: March 9, 2021
Samples Submitted: March 3, 2021
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Project: 2032-12

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Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FMW-13-2**					
Laboratory ID:	03-046-10					
Dichlorodifluoromethane	ND	0.0010	EPA 8260D	3-8-21	3-8-21	
Chloromethane	ND	0.0051	EPA 8260D	3-8-21	3-8-21	
Vinyl Chloride	ND	0.0010	EPA 8260D	3-8-21	3-8-21	
Bromomethane	ND	0.0051	EPA 8260D	3-8-21	3-8-21	
Chloroethane	ND	0.0051	EPA 8260D	3-8-21	3-8-21	
Trichlorofluoromethane	ND	0.0010	EPA 8260D	3-8-21	3-8-21	
1,1-Dichloroethene	ND	0.0010	EPA 8260D	3-8-21	3-8-21	
Iodomethane	ND	0.0051	EPA 8260D	3-8-21	3-8-21	
Methylene Chloride	ND	0.0071	EPA 8260D	3-8-21	3-8-21	
(trans) 1,2-Dichloroethene	ND	0.0010	EPA 8260D	3-8-21	3-8-21	
1,1-Dichloroethane	ND	0.0010	EPA 8260D	3-8-21	3-8-21	
2,2-Dichloropropane	ND	0.0010	EPA 8260D	3-8-21	3-8-21	
(cis) 1,2-Dichloroethene	ND	0.0010	EPA 8260D	3-8-21	3-8-21	
Bromochloromethane	ND	0.0010	EPA 8260D	3-8-21	3-8-21	
Chloroform	ND	0.0010	EPA 8260D	3-8-21	3-8-21	
1,1,1-Trichloroethane	ND	0.0010	EPA 8260D	3-8-21	3-8-21	
Carbon Tetrachloride	ND	0.0010	EPA 8260D	3-8-21	3-8-21	
1,1-Dichloropropene	ND	0.0010	EPA 8260D	3-8-21	3-8-21	
1,2-Dichloroethane	ND	0.0010	EPA 8260D	3-8-21	3-8-21	
Trichloroethene	ND	0.0010	EPA 8260D	3-8-21	3-8-21	
1,2-Dichloropropane	ND	0.0010	EPA 8260D	3-8-21	3-8-21	
Dibromomethane	ND	0.0010	EPA 8260D	3-8-21	3-8-21	
Bromodichloromethane	ND	0.0010	EPA 8260D	3-8-21	3-8-21	
2-Chloroethyl Vinyl Ether	ND	0.0051	EPA 8260D	3-8-21	3-8-21	
(cis) 1,3-Dichloropropene	ND	0.0010	EPA 8260D	3-8-21	3-8-21	
(trans) 1,3-Dichloropropene	ND	0.0010	EPA 8260D	3-8-21	3-8-21	

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Samples Submitted: March 3, 2021
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FMW-13-2**					
Laboratory ID:	03-046-10					
1,1,2-Trichloroethane	ND	0.0010	EPA 8260D	3-8-21	3-8-21	
Tetrachloroethene	ND	0.0010	EPA 8260D	3-8-21	3-8-21	
1,3-Dichloropropane	ND	0.0010	EPA 8260D	3-8-21	3-8-21	
Dibromochloromethane	ND	0.0010	EPA 8260D	3-8-21	3-8-21	
1,2-Dibromoethane	ND	0.0010	EPA 8260D	3-8-21	3-8-21	
Chlorobenzene	ND	0.0010	EPA 8260D	3-8-21	3-8-21	
1,1,1,2-Tetrachloroethane	ND	0.0010	EPA 8260D	3-8-21	3-8-21	
Bromoform	ND	0.0051	EPA 8260D	3-8-21	3-8-21	
Bromobenzene	ND	0.0010	EPA 8260D	3-8-21	3-8-21	
1,1,2,2-Tetrachloroethane	ND	0.0010	EPA 8260D	3-8-21	3-8-21	
1,2,3-Trichloropropane	ND	0.0010	EPA 8260D	3-8-21	3-8-21	
2-Chlorotoluene	ND	0.0010	EPA 8260D	3-8-21	3-8-21	
4-Chlorotoluene	ND	0.0010	EPA 8260D	3-8-21	3-8-21	
1,3-Dichlorobenzene	ND	0.0010	EPA 8260D	3-8-21	3-8-21	
1,4-Dichlorobenzene	ND	0.0010	EPA 8260D	3-8-21	3-8-21	
1,2-Dichlorobenzene	ND	0.0010	EPA 8260D	3-8-21	3-8-21	
1,2-Dibromo-3-chloropropane	ND	0.0051	EPA 8260D	3-8-21	3-8-21	
1,2,4-Trichlorobenzene	ND	0.0010	EPA 8260D	3-8-21	3-8-21	
Hexachlorobutadiene	ND	0.0051	EPA 8260D	3-8-21	3-8-21	
1,2,3-Trichlorobenzene	ND	0.0010	EPA 8260D	3-8-21	3-8-21	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*107*	*74-131*				
Toluene-d8	*103*	*78-128*				
4-Bromofluorobenzene	*95*	*71-130*				

Date of Report: March 9, 2021
Samples Submitted: March 3, 2021
Laboratory Reference: 2103-046
Project: 2032-12

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

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**F-29-2**					
Laboratory ID:	03-046-11					
Dichlorodifluoromethane	ND	0.00097	EPA 8260D	3-8-21	3-8-21	
Chloromethane	ND	0.0049	EPA 8260D	3-8-21	3-8-21	
Vinyl Chloride	ND	0.00097	EPA 8260D	3-8-21	3-8-21	
Bromomethane	ND	0.0049	EPA 8260D	3-8-21	3-8-21	
Chloroethane	ND	0.0049	EPA 8260D	3-8-21	3-8-21	
Trichlorofluoromethane	ND	0.00097	EPA 8260D	3-8-21	3-8-21	
1,1-Dichloroethene	ND	0.00097	EPA 8260D	3-8-21	3-8-21	
Iodomethane	ND	0.0049	EPA 8260D	3-8-21	3-8-21	
Methylene Chloride	ND	0.0067	EPA 8260D	3-8-21	3-8-21	
(trans) 1,2-Dichloroethene	ND	0.00097	EPA 8260D	3-8-21	3-8-21	
1,1-Dichloroethane	ND	0.00097	EPA 8260D	3-8-21	3-8-21	
2,2-Dichloropropane	ND	0.00097	EPA 8260D	3-8-21	3-8-21	
(cis) 1,2-Dichloroethene	ND	0.00097	EPA 8260D	3-8-21	3-8-21	
Bromochloromethane	ND	0.00097	EPA 8260D	3-8-21	3-8-21	
Chloroform	ND	0.00097	EPA 8260D	3-8-21	3-8-21	
1,1,1-Trichloroethane	ND	0.00097	EPA 8260D	3-8-21	3-8-21	
Carbon Tetrachloride	ND	0.00097	EPA 8260D	3-8-21	3-8-21	
1,1-Dichloropropene	ND	0.00097	EPA 8260D	3-8-21	3-8-21	
1,2-Dichloroethane	ND	0.00097	EPA 8260D	3-8-21	3-8-21	
Trichloroethene	ND	0.00097	EPA 8260D	3-8-21	3-8-21	
1,2-Dichloropropane	ND	0.00097	EPA 8260D	3-8-21	3-8-21	
Dibromomethane	ND	0.00097	EPA 8260D	3-8-21	3-8-21	
Bromodichloromethane	ND	0.00097	EPA 8260D	3-8-21	3-8-21	
2-Chloroethyl Vinyl Ether	ND	0.0049	EPA 8260D	3-8-21	3-8-21	
(cis) 1,3-Dichloropropene	ND	0.00097	EPA 8260D	3-8-21	3-8-21	
(trans) 1,3-Dichloropropene	ND	0.00097	EPA 8260D	3-8-21	3-8-21	

Date of Report: March 9, 2021
Samples Submitted: March 3, 2021
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Project: 2032-12

VOLATILE ORGANICS EPA 8260D
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**F-29-2**					
Laboratory ID:	03-046-11					
1,1,2-Trichloroethane	ND	0.00097	EPA 8260D	3-8-21	3-8-21	
Tetrachloroethene	ND	0.00097	EPA 8260D	3-8-21	3-8-21	
1,3-Dichloropropane	ND	0.00097	EPA 8260D	3-8-21	3-8-21	
Dibromochloromethane	ND	0.00097	EPA 8260D	3-8-21	3-8-21	
1,2-Dibromoethane	ND	0.00097	EPA 8260D	3-8-21	3-8-21	
Chlorobenzene	ND	0.00097	EPA 8260D	3-8-21	3-8-21	
1,1,1,2-Tetrachloroethane	ND	0.00097	EPA 8260D	3-8-21	3-8-21	
Bromoform	ND	0.0049	EPA 8260D	3-8-21	3-8-21	
Bromobenzene	ND	0.00097	EPA 8260D	3-8-21	3-8-21	
1,1,2,2-Tetrachloroethane	ND	0.00097	EPA 8260D	3-8-21	3-8-21	
1,2,3-Trichloropropane	ND	0.00097	EPA 8260D	3-8-21	3-8-21	
2-Chlorotoluene	ND	0.00097	EPA 8260D	3-8-21	3-8-21	
4-Chlorotoluene	ND	0.00097	EPA 8260D	3-8-21	3-8-21	
1,3-Dichlorobenzene	ND	0.00097	EPA 8260D	3-8-21	3-8-21	
1,4-Dichlorobenzene	ND	0.00097	EPA 8260D	3-8-21	3-8-21	
1,2-Dichlorobenzene	ND	0.00097	EPA 8260D	3-8-21	3-8-21	
1,2-Dibromo-3-chloropropane	ND	0.0049	EPA 8260D	3-8-21	3-8-21	
1,2,4-Trichlorobenzene	ND	0.00097	EPA 8260D	3-8-21	3-8-21	
Hexachlorobutadiene	ND	0.0049	EPA 8260D	3-8-21	3-8-21	
1,2,3-Trichlorobenzene	ND	0.00097	EPA 8260D	3-8-21	3-8-21	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*109*	*74-131*				
Toluene-d8	*101*	*78-128*				
4-Bromofluorobenzene	*99*	*71-130*				

Date of Report: March 9, 2021
Samples Submitted: March 3, 2021
Laboratory Reference: 2103-046
Project: 2032-12

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

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**F-30-2**					
Laboratory ID:	03-046-12					
Dichlorodifluoromethane	ND	0.00086	EPA 8260D	3-8-21	3-8-21	
Chloromethane	ND	0.0043	EPA 8260D	3-8-21	3-8-21	
Vinyl Chloride	ND	0.00086	EPA 8260D	3-8-21	3-8-21	
Bromomethane	ND	0.0043	EPA 8260D	3-8-21	3-8-21	
Chloroethane	ND	0.0043	EPA 8260D	3-8-21	3-8-21	
Trichlorofluoromethane	ND	0.00086	EPA 8260D	3-8-21	3-8-21	
1,1-Dichloroethene	ND	0.00086	EPA 8260D	3-8-21	3-8-21	
Iodomethane	ND	0.0043	EPA 8260D	3-8-21	3-8-21	
Methylene Chloride	ND	0.0059	EPA 8260D	3-8-21	3-8-21	
(trans) 1,2-Dichloroethene	ND	0.00086	EPA 8260D	3-8-21	3-8-21	
1,1-Dichloroethane	ND	0.00086	EPA 8260D	3-8-21	3-8-21	
2,2-Dichloropropane	ND	0.00086	EPA 8260D	3-8-21	3-8-21	
(cis) 1,2-Dichloroethene	0.0015	0.00086	EPA 8260D	3-8-21	3-8-21	
Bromochloromethane	ND	0.00086	EPA 8260D	3-8-21	3-8-21	
Chloroform	ND	0.00086	EPA 8260D	3-8-21	3-8-21	
1,1,1-Trichloroethane	ND	0.00086	EPA 8260D	3-8-21	3-8-21	
Carbon Tetrachloride	ND	0.00086	EPA 8260D	3-8-21	3-8-21	
1,1-Dichloropropene	ND	0.00086	EPA 8260D	3-8-21	3-8-21	
1,2-Dichloroethane	ND	0.00086	EPA 8260D	3-8-21	3-8-21	
Trichloroethene	0.0022	0.00086	EPA 8260D	3-8-21	3-8-21	
1,2-Dichloropropane	ND	0.00086	EPA 8260D	3-8-21	3-8-21	
Dibromomethane	ND	0.00086	EPA 8260D	3-8-21	3-8-21	
Bromodichloromethane	ND	0.00086	EPA 8260D	3-8-21	3-8-21	
2-Chloroethyl Vinyl Ether	ND	0.0043	EPA 8260D	3-8-21	3-8-21	
(cis) 1,3-Dichloropropene	ND	0.00086	EPA 8260D	3-8-21	3-8-21	
(trans) 1,3-Dichloropropene	ND	0.00086	EPA 8260D	3-8-21	3-8-21	

Date of Report: March 9, 2021
Samples Submitted: March 3, 2021
Laboratory Reference: 2103-046
Project: 2032-12

VOLATILE ORGANICS EPA 8260D
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**F-30-2**					
Laboratory ID:	03-046-12					
1,1,2-Trichloroethane	ND	0.00086	EPA 8260D	3-8-21	3-8-21	
Tetrachloroethene	ND	0.00086	EPA 8260D	3-8-21	3-8-21	
1,3-Dichloropropane	ND	0.00086	EPA 8260D	3-8-21	3-8-21	
Dibromochloromethane	ND	0.00086	EPA 8260D	3-8-21	3-8-21	
1,2-Dibromoethane	ND	0.00086	EPA 8260D	3-8-21	3-8-21	
Chlorobenzene	ND	0.00086	EPA 8260D	3-8-21	3-8-21	
1,1,1,2-Tetrachloroethane	ND	0.00086	EPA 8260D	3-8-21	3-8-21	
Bromoform	ND	0.0043	EPA 8260D	3-8-21	3-8-21	
Bromobenzene	ND	0.00086	EPA 8260D	3-8-21	3-8-21	
1,1,2,2-Tetrachloroethane	ND	0.00086	EPA 8260D	3-8-21	3-8-21	
1,2,3-Trichloropropane	ND	0.00086	EPA 8260D	3-8-21	3-8-21	
2-Chlorotoluene	ND	0.00086	EPA 8260D	3-8-21	3-8-21	
4-Chlorotoluene	ND	0.00086	EPA 8260D	3-8-21	3-8-21	
1,3-Dichlorobenzene	ND	0.00086	EPA 8260D	3-8-21	3-8-21	
1,4-Dichlorobenzene	ND	0.00086	EPA 8260D	3-8-21	3-8-21	
1,2-Dichlorobenzene	ND	0.00086	EPA 8260D	3-8-21	3-8-21	
1,2-Dibromo-3-chloropropane	ND	0.0043	EPA 8260D	3-8-21	3-8-21	
1,2,4-Trichlorobenzene	ND	0.00086	EPA 8260D	3-8-21	3-8-21	
Hexachlorobutadiene	ND	0.0043	EPA 8260D	3-8-21	3-8-21	
1,2,3-Trichlorobenzene	ND	0.00086	EPA 8260D	3-8-21	3-8-21	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*106*	*74-131*				
Toluene-d8	*101*	*78-128*				
4-Bromofluorobenzene	*96*	*71-130*				

Date of Report: March 9, 2021
Samples Submitted: March 3, 2021
Laboratory Reference: 2103-046
Project: 2032-12

VOLATILE ORGANICS EPA 8260D
QUALITY CONTROL
page 1 of 2

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0308S1					
Dichlorodifluoromethane	ND	0.0010	EPA 8260D	3-8-21	3-8-21	
Chloromethane	ND	0.0050	EPA 8260D	3-8-21	3-8-21	
Vinyl Chloride	ND	0.0010	EPA 8260D	3-8-21	3-8-21	
Bromomethane	ND	0.0050	EPA 8260D	3-8-21	3-8-21	
Chloroethane	ND	0.0050	EPA 8260D	3-8-21	3-8-21	
Trichlorofluoromethane	ND	0.0010	EPA 8260D	3-8-21	3-8-21	
1,1-Dichloroethene	ND	0.0010	EPA 8260D	3-8-21	3-8-21	
Iodomethane	ND	0.0050	EPA 8260D	3-8-21	3-8-21	
Methylene Chloride	ND	0.0069	EPA 8260D	3-8-21	3-8-21	
(trans) 1,2-Dichloroethene	ND	0.0010	EPA 8260D	3-8-21	3-8-21	
1,1-Dichloroethane	ND	0.0010	EPA 8260D	3-8-21	3-8-21	
2,2-Dichloropropane	ND	0.0010	EPA 8260D	3-8-21	3-8-21	
(cis) 1,2-Dichloroethene	ND	0.0010	EPA 8260D	3-8-21	3-8-21	
Bromochloromethane	ND	0.0010	EPA 8260D	3-8-21	3-8-21	
Chloroform	ND	0.0010	EPA 8260D	3-8-21	3-8-21	
1,1,1-Trichloroethane	ND	0.0010	EPA 8260D	3-8-21	3-8-21	
Carbon Tetrachloride	ND	0.0010	EPA 8260D	3-8-21	3-8-21	
1,1-Dichloropropene	ND	0.0010	EPA 8260D	3-8-21	3-8-21	
1,2-Dichloroethane	ND	0.0010	EPA 8260D	3-8-21	3-8-21	
Trichloroethene	ND	0.0010	EPA 8260D	3-8-21	3-8-21	
1,2-Dichloropropane	ND	0.0010	EPA 8260D	3-8-21	3-8-21	
Dibromomethane	ND	0.0010	EPA 8260D	3-8-21	3-8-21	
Bromodichloromethane	ND	0.0010	EPA 8260D	3-8-21	3-8-21	
2-Chloroethyl Vinyl Ether	ND	0.0050	EPA 8260D	3-8-21	3-8-21	
(cis) 1,3-Dichloropropene	ND	0.0010	EPA 8260D	3-8-21	3-8-21	
(trans) 1,3-Dichloropropene	ND	0.0010	EPA 8260D	3-8-21	3-8-21	

Date of Report: March 9, 2021
Samples Submitted: March 3, 2021
Laboratory Reference: 2103-046
Project: 2032-12

VOLATILE ORGANICS EPA 8260D
QUALITY CONTROL
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0308S1					
1,1,2-Trichloroethane	ND	0.0010	EPA 8260D	3-8-21	3-8-21	
Tetrachloroethene	ND	0.0010	EPA 8260D	3-8-21	3-8-21	
1,3-Dichloropropane	ND	0.0010	EPA 8260D	3-8-21	3-8-21	
Dibromochloromethane	ND	0.0010	EPA 8260D	3-8-21	3-8-21	
1,2-Dibromoethane	ND	0.0010	EPA 8260D	3-8-21	3-8-21	
Chlorobenzene	ND	0.0010	EPA 8260D	3-8-21	3-8-21	
1,1,1,2-Tetrachloroethane	ND	0.0010	EPA 8260D	3-8-21	3-8-21	
Bromoform	ND	0.0050	EPA 8260D	3-8-21	3-8-21	
Bromobenzene	ND	0.0010	EPA 8260D	3-8-21	3-8-21	
1,1,2,2-Tetrachloroethane	ND	0.0010	EPA 8260D	3-8-21	3-8-21	
1,2,3-Trichloropropane	ND	0.0010	EPA 8260D	3-8-21	3-8-21	
2-Chlorotoluene	ND	0.0010	EPA 8260D	3-8-21	3-8-21	
4-Chlorotoluene	ND	0.0010	EPA 8260D	3-8-21	3-8-21	
1,3-Dichlorobenzene	ND	0.0010	EPA 8260D	3-8-21	3-8-21	
1,4-Dichlorobenzene	ND	0.0010	EPA 8260D	3-8-21	3-8-21	
1,2-Dichlorobenzene	ND	0.0010	EPA 8260D	3-8-21	3-8-21	
1,2-Dibromo-3-chloropropane	ND	0.0050	EPA 8260D	3-8-21	3-8-21	
1,2,4-Trichlorobenzene	ND	0.0010	EPA 8260D	3-8-21	3-8-21	
Hexachlorobutadiene	ND	0.0050	EPA 8260D	3-8-21	3-8-21	
1,2,3-Trichlorobenzene	ND	0.0010	EPA 8260D	3-8-21	3-8-21	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*109*	*74-131*				
Toluene-d8	*99*	*78-128*				
4-Bromofluorobenzene	*101*	*71-130*				

Date of Report: March 9, 2021
Samples Submitted: March 3, 2021
Laboratory Reference: 2103-046
Project: 2032-12

VOLATILE ORGANICS EPA 8260D
QUALITY CONTROL

Matrix: Soil
Units: mg/kg

Analyte	Result		Spike Level		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB0308S1									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	**0.0420**	**0.0428**	0.0500	0.0500	84	86	55-126	2	17	
Benzene	**0.0439**	**0.0432**	0.0500	0.0500	88	86	65-121	2	16	
Trichloroethene	**0.0481**	**0.0493**	0.0500	0.0500	96	99	74-126	2	16	
Toluene	**0.0427**	**0.0435**	0.0500	0.0500	85	87	71-121	2	16	
Chlorobenzene	**0.0466**	**0.0471**	0.0500	0.0500	93	94	72-123	1	16	
Surrogate:										
Dibromofluoromethane					*105*	*103*	*74-131*			
Toluene-d8					*98*	*98*	*78-128*			
4-Bromofluorobenzene					*99*	*99*	*71-130*			

Date of Report: March 9, 2021
Samples Submitted: March 3, 2021
Laboratory Reference: 2103-046
Project: 2032-12

% MOISTURE

Client ID	Lab ID	% Moisture	Date Analyzed
AS-1-2	03-046-03	**12**	3-8-21
FMW-12-2	03-046-05	**6**	3-8-21
F-25-2	03-046-06	**10**	3-8-21
F-26-2	03-046-07	**9**	3-8-21
F-27-2	03-046-08	**9**	3-8-21
F-28-2	03-046-09	**11**	3-8-21
FMW-13-2	03-046-10	**9**	3-8-21
F-29-2	03-046-11	**12**	3-8-21
F-30-2	03-046-12	**12**	3-8-21

OnSite Environmental Inc.

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 -

ND - Not Detected at PQL
PQL - Practical Quantitation Limit
RPD - Relative Percent Difference

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

March 16, 2021

Pete Kingston
Farallon Consulting
1809 7th Avenue, Suite 1111
Seattle, WA 98101

Re: Analytical Data for Project 2032-012
Laboratory Reference No. 2103-058

Dear Pete:

Enclosed are the analytical results and associated quality control data for samples submitted on March 4, 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: March 16, 2021
Samples Submitted: March 4, 2021
Laboratory Reference: 2103-058
Project: 2032-012

Case Narrative

Samples were collected on March 4, 2021 and received by the laboratory on March 4, 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: March 16, 2021
Samples Submitted: March 4, 2021
Laboratory Reference: 2103-058
Project: 2032-012

GASOLINE RANGE ORGANICS
NWTPH-Gx

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**F-28-5**					
Laboratory ID:	03-058-09					
Gasoline	**ND**	7.1	NWTPH-Gx	3-10-21	3-10-21	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*99*	*58-129*				
Client ID:	**F-28-10**					
Laboratory ID:	03-058-10					
Gasoline	**ND**	7.6	NWTPH-Gx	3-10-21	3-10-21	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*94*	*58-129*				

Date of Report: March 16, 2021
Samples Submitted: March 4, 2021
Laboratory Reference: 2103-058
Project: 2032-012

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:	MB0310S1					
Gasoline	**ND**	5.0	NWTPH-Gx	3-10-21	3-10-21	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*93*	*58-129*				

Analyte	Result		Spike Level		Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE										
Laboratory ID:	03-058-09									
	ORIG	DUP								
Gasoline	**ND**	**ND**	NA	NA		NA	NA	NA	30	
Surrogate:										
Fluorobenzene						*99* *100*	*58-129*			

Date of Report: March 16, 2021
Samples Submitted: March 4, 2021
Laboratory Reference: 2103-058
Project: 2032-012

DIESEL AND HEAVY OIL RANGE ORGANICS
NWTPH-Dx

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**F-28-5**					
Laboratory ID:	03-058-09					
Diesel Range Organics	**ND**	30	NWTPH-Dx	3-9-21	3-10-21	
Lube Oil	**330**	59	NWTPH-Dx	3-9-21	3-10-21	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*86*	*50-150*				
Client ID:	**F-28-10**					
Laboratory ID:	03-058-10					
Diesel Range Organics	**ND**	33	NWTPH-Dx	3-9-21	3-9-21	
Lube Oil Range Organics	**ND**	65	NWTPH-Dx	3-9-21	3-9-21	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*90*	*50-150*				

Date of Report: March 16, 2021
Samples Submitted: March 4, 2021
Laboratory Reference: 2103-058
Project: 2032-012

DIESEL AND HEAVY OIL RANGE ORGANICS
NWTPH-Dx
QUALITY CONTROL

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0309S1					
Diesel Range Organics	**ND**	25	NWTPH-Dx	3-9-21	3-9-21	
Lube Oil Range Organics	**ND**	50	NWTPH-Dx	3-9-21	3-9-21	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*93*	*50-150*				

Analyte	Result		Spike Level		Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE										
Laboratory ID:	03-058-09									
	ORIG	DUP								
Diesel Range	**ND**	**ND**	NA	NA		NA	NA	NA	NA	
Lube Oil	**277**	**118**	NA	NA		NA	NA	81	NA	
Surrogate:										
o-Terphenyl						*86* *99*	*50-150*			

Date of Report: March 16, 2021
Samples Submitted: March 4, 2021
Laboratory Reference: 2103-058
Project: 2032-012

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

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**AS-1-10**					
Laboratory ID:	03-058-02					
Dichlorodifluoromethane	ND	0.0015	EPA 8260D	3-9-21	3-9-21	
Chloromethane	ND	0.010	EPA 8260D	3-9-21	3-9-21	
Vinyl Chloride	ND	0.0015	EPA 8260D	3-9-21	3-9-21	
Bromomethane	ND	0.0075	EPA 8260D	3-9-21	3-9-21	
Chloroethane	ND	0.0075	EPA 8260D	3-9-21	3-9-21	
Trichlorofluoromethane	ND	0.0015	EPA 8260D	3-9-21	3-9-21	
1,1-Dichloroethene	ND	0.0015	EPA 8260D	3-9-21	3-9-21	
Iodomethane	ND	0.0075	EPA 8260D	3-9-21	3-9-21	
Methylene Chloride	ND	0.0075	EPA 8260D	3-9-21	3-9-21	
(trans) 1,2-Dichloroethene	ND	0.0015	EPA 8260D	3-9-21	3-9-21	
1,1-Dichloroethane	ND	0.0015	EPA 8260D	3-9-21	3-9-21	
2,2-Dichloropropane	ND	0.0015	EPA 8260D	3-9-21	3-9-21	
(cis) 1,2-Dichloroethene	ND	0.0015	EPA 8260D	3-9-21	3-9-21	
Bromochloromethane	ND	0.0015	EPA 8260D	3-9-21	3-9-21	
Chloroform	ND	0.0015	EPA 8260D	3-9-21	3-9-21	
1,1,1-Trichloroethane	ND	0.0015	EPA 8260D	3-9-21	3-9-21	
Carbon Tetrachloride	ND	0.0015	EPA 8260D	3-9-21	3-9-21	
1,1-Dichloropropene	ND	0.0015	EPA 8260D	3-9-21	3-9-21	
1,2-Dichloroethane	ND	0.0015	EPA 8260D	3-9-21	3-9-21	
Trichloroethene	ND	0.0015	EPA 8260D	3-9-21	3-9-21	
1,2-Dichloropropane	ND	0.0015	EPA 8260D	3-9-21	3-9-21	
Dibromomethane	ND	0.0015	EPA 8260D	3-9-21	3-9-21	
Bromodichloromethane	ND	0.0015	EPA 8260D	3-9-21	3-9-21	
2-Chloroethyl Vinyl Ether	ND	0.0075	EPA 8260D	3-9-21	3-9-21	
(cis) 1,3-Dichloropropene	ND	0.0015	EPA 8260D	3-9-21	3-9-21	
(trans) 1,3-Dichloropropene	ND	0.0015	EPA 8260D	3-9-21	3-9-21	

Date of Report: March 16, 2021
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Project: 2032-012

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**AS-1-10**					
Laboratory ID:	03-058-02					
1,1,2-Trichloroethane	ND	0.0015	EPA 8260D	3-9-21	3-9-21	
Tetrachloroethene	ND	0.0015	EPA 8260D	3-9-21	3-9-21	
1,3-Dichloropropane	ND	0.0015	EPA 8260D	3-9-21	3-9-21	
Dibromochloromethane	ND	0.0015	EPA 8260D	3-9-21	3-9-21	
1,2-Dibromoethane	ND	0.0015	EPA 8260D	3-9-21	3-9-21	
Chlorobenzene	ND	0.0015	EPA 8260D	3-9-21	3-9-21	
1,1,1,2-Tetrachloroethane	ND	0.0015	EPA 8260D	3-9-21	3-9-21	
Bromoform	ND	0.0075	EPA 8260D	3-9-21	3-9-21	
Bromobenzene	ND	0.0015	EPA 8260D	3-9-21	3-9-21	
1,1,2,2-Tetrachloroethane	ND	0.0015	EPA 8260D	3-9-21	3-9-21	
1,2,3-Trichloropropane	ND	0.0015	EPA 8260D	3-9-21	3-9-21	
2-Chlorotoluene	ND	0.0015	EPA 8260D	3-9-21	3-9-21	
4-Chlorotoluene	ND	0.0015	EPA 8260D	3-9-21	3-9-21	
1,3-Dichlorobenzene	ND	0.0015	EPA 8260D	3-9-21	3-9-21	
1,4-Dichlorobenzene	ND	0.0015	EPA 8260D	3-9-21	3-9-21	
1,2-Dichlorobenzene	ND	0.0015	EPA 8260D	3-9-21	3-9-21	
1,2-Dibromo-3-chloropropane	ND	0.0075	EPA 8260D	3-9-21	3-9-21	
1,2,4-Trichlorobenzene	ND	0.0015	EPA 8260D	3-9-21	3-9-21	
Hexachlorobutadiene	ND	0.0075	EPA 8260D	3-9-21	3-9-21	
1,2,3-Trichlorobenzene	ND	0.0015	EPA 8260D	3-9-21	3-9-21	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*108*	*74-131*				
Toluene-d8	*102*	*78-128*				
4-Bromofluorobenzene	*99*	*71-130*				

Date of Report: March 16, 2021
Samples Submitted: March 4, 2021
Laboratory Reference: 2103-058
Project: 2032-012

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Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**F-28-10**					
Laboratory ID:	03-058-10					
Dichlorodifluoromethane	ND	0.0013	EPA 8260D	3-9-21	3-9-21	
Chloromethane	ND	0.0088	EPA 8260D	3-9-21	3-9-21	
Vinyl Chloride	ND	0.0013	EPA 8260D	3-9-21	3-9-21	
Bromomethane	ND	0.0065	EPA 8260D	3-9-21	3-9-21	
Chloroethane	ND	0.0065	EPA 8260D	3-9-21	3-9-21	
Trichlorofluoromethane	ND	0.0013	EPA 8260D	3-9-21	3-9-21	
1,1-Dichloroethene	ND	0.0013	EPA 8260D	3-9-21	3-9-21	
Iodomethane	ND	0.0065	EPA 8260D	3-9-21	3-9-21	
Methylene Chloride	ND	0.0065	EPA 8260D	3-9-21	3-9-21	
(trans) 1,2-Dichloroethene	ND	0.0013	EPA 8260D	3-9-21	3-9-21	
1,1-Dichloroethane	ND	0.0013	EPA 8260D	3-9-21	3-9-21	
2,2-Dichloropropane	ND	0.0013	EPA 8260D	3-9-21	3-9-21	
(cis) 1,2-Dichloroethene	ND	0.0013	EPA 8260D	3-9-21	3-9-21	
Bromochloromethane	ND	0.0013	EPA 8260D	3-9-21	3-9-21	
Chloroform	ND	0.0013	EPA 8260D	3-9-21	3-9-21	
1,1,1-Trichloroethane	ND	0.0013	EPA 8260D	3-9-21	3-9-21	
Carbon Tetrachloride	ND	0.0013	EPA 8260D	3-9-21	3-9-21	
1,1-Dichloropropene	ND	0.0013	EPA 8260D	3-9-21	3-9-21	
1,2-Dichloroethane	ND	0.0013	EPA 8260D	3-9-21	3-9-21	
Trichloroethene	ND	0.0013	EPA 8260D	3-9-21	3-9-21	
1,2-Dichloropropane	ND	0.0013	EPA 8260D	3-9-21	3-9-21	
Dibromomethane	ND	0.0013	EPA 8260D	3-9-21	3-9-21	
Bromodichloromethane	ND	0.0013	EPA 8260D	3-9-21	3-9-21	
2-Chloroethyl Vinyl Ether	ND	0.0065	EPA 8260D	3-9-21	3-9-21	
(cis) 1,3-Dichloropropene	ND	0.0013	EPA 8260D	3-9-21	3-9-21	
(trans) 1,3-Dichloropropene	ND	0.0013	EPA 8260D	3-9-21	3-9-21	

Date of Report: March 16, 2021
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**F-28-10**					
Laboratory ID:	03-058-10					
1,1,2-Trichloroethane	ND	0.0013	EPA 8260D	3-9-21	3-9-21	
Tetrachloroethene	ND	0.0013	EPA 8260D	3-9-21	3-9-21	
1,3-Dichloropropane	ND	0.0013	EPA 8260D	3-9-21	3-9-21	
Dibromochloromethane	ND	0.0013	EPA 8260D	3-9-21	3-9-21	
1,2-Dibromoethane	ND	0.0013	EPA 8260D	3-9-21	3-9-21	
Chlorobenzene	ND	0.0013	EPA 8260D	3-9-21	3-9-21	
1,1,1,2-Tetrachloroethane	ND	0.0013	EPA 8260D	3-9-21	3-9-21	
Bromoform	ND	0.0065	EPA 8260D	3-9-21	3-9-21	
Bromobenzene	ND	0.0013	EPA 8260D	3-9-21	3-9-21	
1,1,2,2-Tetrachloroethane	ND	0.0013	EPA 8260D	3-9-21	3-9-21	
1,2,3-Trichloropropane	ND	0.0013	EPA 8260D	3-9-21	3-9-21	
2-Chlorotoluene	ND	0.0013	EPA 8260D	3-9-21	3-9-21	
4-Chlorotoluene	ND	0.0013	EPA 8260D	3-9-21	3-9-21	
1,3-Dichlorobenzene	ND	0.0013	EPA 8260D	3-9-21	3-9-21	
1,4-Dichlorobenzene	ND	0.0013	EPA 8260D	3-9-21	3-9-21	
1,2-Dichlorobenzene	ND	0.0013	EPA 8260D	3-9-21	3-9-21	
1,2-Dibromo-3-chloropropane	ND	0.0065	EPA 8260D	3-9-21	3-9-21	
1,2,4-Trichlorobenzene	ND	0.0013	EPA 8260D	3-9-21	3-9-21	
Hexachlorobutadiene	ND	0.0065	EPA 8260D	3-9-21	3-9-21	
1,2,3-Trichlorobenzene	ND	0.0013	EPA 8260D	3-9-21	3-9-21	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*101*	*74-131*				
Toluene-d8	*100*	*78-128*				
4-Bromofluorobenzene	*101*	*71-130*				

Date of Report: March 16, 2021
Samples Submitted: March 4, 2021
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Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**F-27-16.5**					
Laboratory ID:	03-058-14					
Dichlorodifluoromethane	ND	0.0012	EPA 8260D	3-9-21	3-9-21	
Chloromethane	ND	0.0083	EPA 8260D	3-9-21	3-9-21	
Vinyl Chloride	ND	0.0012	EPA 8260D	3-9-21	3-9-21	
Bromomethane	ND	0.0062	EPA 8260D	3-9-21	3-9-21	
Chloroethane	ND	0.0062	EPA 8260D	3-9-21	3-9-21	
Trichlorofluoromethane	ND	0.0012	EPA 8260D	3-9-21	3-9-21	
1,1-Dichloroethene	ND	0.0012	EPA 8260D	3-9-21	3-9-21	
Iodomethane	ND	0.0062	EPA 8260D	3-9-21	3-9-21	
Methylene Chloride	ND	0.0062	EPA 8260D	3-9-21	3-9-21	
(trans) 1,2-Dichloroethene	0.0017	0.0012	EPA 8260D	3-9-21	3-9-21	
1,1-Dichloroethane	ND	0.0012	EPA 8260D	3-9-21	3-9-21	
2,2-Dichloropropane	ND	0.0012	EPA 8260D	3-9-21	3-9-21	
(cis) 1,2-Dichloroethene	0.022	0.0012	EPA 8260D	3-9-21	3-9-21	
Bromochloromethane	ND	0.0012	EPA 8260D	3-9-21	3-9-21	
Chloroform	ND	0.0012	EPA 8260D	3-9-21	3-9-21	
1,1,1-Trichloroethane	ND	0.0012	EPA 8260D	3-9-21	3-9-21	
Carbon Tetrachloride	ND	0.0012	EPA 8260D	3-9-21	3-9-21	
1,1-Dichloropropene	ND	0.0012	EPA 8260D	3-9-21	3-9-21	
1,2-Dichloroethane	ND	0.0012	EPA 8260D	3-9-21	3-9-21	
Trichloroethene	0.0017	0.0012	EPA 8260D	3-9-21	3-9-21	
1,2-Dichloropropane	ND	0.0012	EPA 8260D	3-9-21	3-9-21	
Dibromomethane	ND	0.0012	EPA 8260D	3-9-21	3-9-21	
Bromodichloromethane	ND	0.0012	EPA 8260D	3-9-21	3-9-21	
2-Chloroethyl Vinyl Ether	ND	0.0062	EPA 8260D	3-9-21	3-9-21	
(cis) 1,3-Dichloropropene	ND	0.0012	EPA 8260D	3-9-21	3-9-21	
(trans) 1,3-Dichloropropene	ND	0.0012	EPA 8260D	3-9-21	3-9-21	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**F-27-16.5**					
Laboratory ID:	03-058-14					
1,1,2-Trichloroethane	ND	0.0012	EPA 8260D	3-9-21	3-9-21	
Tetrachloroethene	ND	0.0012	EPA 8260D	3-9-21	3-9-21	
1,3-Dichloropropane	ND	0.0012	EPA 8260D	3-9-21	3-9-21	
Dibromochloromethane	ND	0.0012	EPA 8260D	3-9-21	3-9-21	
1,2-Dibromoethane	ND	0.0012	EPA 8260D	3-9-21	3-9-21	
Chlorobenzene	ND	0.0012	EPA 8260D	3-9-21	3-9-21	
1,1,1,2-Tetrachloroethane	ND	0.0012	EPA 8260D	3-9-21	3-9-21	
Bromoform	ND	0.0062	EPA 8260D	3-9-21	3-9-21	
Bromobenzene	ND	0.0012	EPA 8260D	3-9-21	3-9-21	
1,1,2,2-Tetrachloroethane	ND	0.0012	EPA 8260D	3-9-21	3-9-21	
1,2,3-Trichloropropane	ND	0.0012	EPA 8260D	3-9-21	3-9-21	
2-Chlorotoluene	ND	0.0012	EPA 8260D	3-9-21	3-9-21	
4-Chlorotoluene	ND	0.0012	EPA 8260D	3-9-21	3-9-21	
1,3-Dichlorobenzene	ND	0.0012	EPA 8260D	3-9-21	3-9-21	
1,4-Dichlorobenzene	ND	0.0012	EPA 8260D	3-9-21	3-9-21	
1,2-Dichlorobenzene	ND	0.0012	EPA 8260D	3-9-21	3-9-21	
1,2-Dibromo-3-chloropropane	ND	0.0062	EPA 8260D	3-9-21	3-9-21	
1,2,4-Trichlorobenzene	ND	0.0012	EPA 8260D	3-9-21	3-9-21	
Hexachlorobutadiene	ND	0.0062	EPA 8260D	3-9-21	3-9-21	
1,2,3-Trichlorobenzene	ND	0.0012	EPA 8260D	3-9-21	3-9-21	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*102*	*74-131*				
Toluene-d8	*99*	*78-128*				
4-Bromofluorobenzene	*98*	*71-130*				

Date of Report: March 16, 2021
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Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**F-26-10**					
Laboratory ID:	03-058-16					
Dichlorodifluoromethane	ND	0.0011	EPA 8260D	3-9-21	3-9-21	
Chloromethane	ND	0.0074	EPA 8260D	3-9-21	3-9-21	
Vinyl Chloride	ND	0.0011	EPA 8260D	3-9-21	3-9-21	
Bromomethane	ND	0.0055	EPA 8260D	3-9-21	3-9-21	
Chloroethane	ND	0.0055	EPA 8260D	3-9-21	3-9-21	
Trichlorofluoromethane	ND	0.0011	EPA 8260D	3-9-21	3-9-21	
1,1-Dichloroethene	ND	0.0011	EPA 8260D	3-9-21	3-9-21	
Iodomethane	ND	0.0055	EPA 8260D	3-9-21	3-9-21	
Methylene Chloride	ND	0.0055	EPA 8260D	3-9-21	3-9-21	
(trans) 1,2-Dichloroethene	ND	0.0011	EPA 8260D	3-9-21	3-9-21	
1,1-Dichloroethane	ND	0.0011	EPA 8260D	3-9-21	3-9-21	
2,2-Dichloropropane	ND	0.0011	EPA 8260D	3-9-21	3-9-21	
(cis) 1,2-Dichloroethene	0.0015	0.0011	EPA 8260D	3-9-21	3-9-21	
Bromochloromethane	ND	0.0011	EPA 8260D	3-9-21	3-9-21	
Chloroform	ND	0.0011	EPA 8260D	3-9-21	3-9-21	
1,1,1-Trichloroethane	ND	0.0011	EPA 8260D	3-9-21	3-9-21	
Carbon Tetrachloride	ND	0.0011	EPA 8260D	3-9-21	3-9-21	
1,1-Dichloropropene	ND	0.0011	EPA 8260D	3-9-21	3-9-21	
1,2-Dichloroethane	ND	0.0011	EPA 8260D	3-9-21	3-9-21	
Trichloroethene	ND	0.0011	EPA 8260D	3-9-21	3-9-21	
1,2-Dichloropropane	ND	0.0011	EPA 8260D	3-9-21	3-9-21	
Dibromomethane	ND	0.0011	EPA 8260D	3-9-21	3-9-21	
Bromodichloromethane	ND	0.0011	EPA 8260D	3-9-21	3-9-21	
2-Chloroethyl Vinyl Ether	ND	0.0055	EPA 8260D	3-9-21	3-9-21	
(cis) 1,3-Dichloropropene	ND	0.0011	EPA 8260D	3-9-21	3-9-21	
(trans) 1,3-Dichloropropene	ND	0.0011	EPA 8260D	3-9-21	3-9-21	

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Samples Submitted: March 4, 2021
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**F-26-10**					
Laboratory ID:	03-058-16					
1,1,2-Trichloroethane	ND	0.0011	EPA 8260D	3-9-21	3-9-21	
Tetrachloroethene	ND	0.0011	EPA 8260D	3-9-21	3-9-21	
1,3-Dichloropropane	ND	0.0011	EPA 8260D	3-9-21	3-9-21	
Dibromochloromethane	ND	0.0011	EPA 8260D	3-9-21	3-9-21	
1,2-Dibromoethane	ND	0.0011	EPA 8260D	3-9-21	3-9-21	
Chlorobenzene	ND	0.0011	EPA 8260D	3-9-21	3-9-21	
1,1,1,2-Tetrachloroethane	ND	0.0011	EPA 8260D	3-9-21	3-9-21	
Bromoform	ND	0.0055	EPA 8260D	3-9-21	3-9-21	
Bromobenzene	ND	0.0011	EPA 8260D	3-9-21	3-9-21	
1,1,2,2-Tetrachloroethane	ND	0.0011	EPA 8260D	3-9-21	3-9-21	
1,2,3-Trichloropropane	ND	0.0011	EPA 8260D	3-9-21	3-9-21	
2-Chlorotoluene	ND	0.0011	EPA 8260D	3-9-21	3-9-21	
4-Chlorotoluene	ND	0.0011	EPA 8260D	3-9-21	3-9-21	
1,3-Dichlorobenzene	ND	0.0011	EPA 8260D	3-9-21	3-9-21	
1,4-Dichlorobenzene	ND	0.0011	EPA 8260D	3-9-21	3-9-21	
1,2-Dichlorobenzene	ND	0.0011	EPA 8260D	3-9-21	3-9-21	
1,2-Dibromo-3-chloropropane	ND	0.0055	EPA 8260D	3-9-21	3-9-21	
1,2,4-Trichlorobenzene	ND	0.0011	EPA 8260D	3-9-21	3-9-21	
Hexachlorobutadiene	ND	0.0055	EPA 8260D	3-9-21	3-9-21	
1,2,3-Trichlorobenzene	ND	0.0011	EPA 8260D	3-9-21	3-9-21	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*102*	*74-131*				
Toluene-d8	*101*	*78-128*				
4-Bromofluorobenzene	*100*	*71-130*				

Date of Report: March 16, 2021
Samples Submitted: March 4, 2021
Laboratory Reference: 2103-058
Project: 2032-012

VOLATILE ORGANICS EPA 8260D
QUALITY CONTROL
page 1 of 2

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0309S1					
Dichlorodifluoromethane	ND	0.0010	EPA 8260D	3-9-21	3-9-21	
Chloromethane	ND	0.0067	EPA 8260D	3-9-21	3-9-21	
Vinyl Chloride	ND	0.0010	EPA 8260D	3-9-21	3-9-21	
Bromomethane	ND	0.0050	EPA 8260D	3-9-21	3-9-21	
Chloroethane	ND	0.0050	EPA 8260D	3-9-21	3-9-21	
Trichlorofluoromethane	ND	0.0010	EPA 8260D	3-9-21	3-9-21	
1,1-Dichloroethene	ND	0.0010	EPA 8260D	3-9-21	3-9-21	
Iodomethane	ND	0.0050	EPA 8260D	3-9-21	3-9-21	
Methylene Chloride	ND	0.0050	EPA 8260D	3-9-21	3-9-21	
(trans) 1,2-Dichloroethene	ND	0.0010	EPA 8260D	3-9-21	3-9-21	
1,1-Dichloroethane	ND	0.0010	EPA 8260D	3-9-21	3-9-21	
2,2-Dichloropropane	ND	0.0010	EPA 8260D	3-9-21	3-9-21	
(cis) 1,2-Dichloroethene	ND	0.0010	EPA 8260D	3-9-21	3-9-21	
Bromochloromethane	ND	0.0010	EPA 8260D	3-9-21	3-9-21	
Chloroform	ND	0.0010	EPA 8260D	3-9-21	3-9-21	
1,1,1-Trichloroethane	ND	0.0010	EPA 8260D	3-9-21	3-9-21	
Carbon Tetrachloride	ND	0.0010	EPA 8260D	3-9-21	3-9-21	
1,1-Dichloropropene	ND	0.0010	EPA 8260D	3-9-21	3-9-21	
1,2-Dichloroethane	ND	0.0010	EPA 8260D	3-9-21	3-9-21	
Trichloroethene	ND	0.0010	EPA 8260D	3-9-21	3-9-21	
1,2-Dichloropropane	ND	0.0010	EPA 8260D	3-9-21	3-9-21	
Dibromomethane	ND	0.0010	EPA 8260D	3-9-21	3-9-21	
Bromodichloromethane	ND	0.0010	EPA 8260D	3-9-21	3-9-21	
2-Chloroethyl Vinyl Ether	ND	0.0050	EPA 8260D	3-9-21	3-9-21	
(cis) 1,3-Dichloropropene	ND	0.0010	EPA 8260D	3-9-21	3-9-21	
(trans) 1,3-Dichloropropene	ND	0.0010	EPA 8260D	3-9-21	3-9-21	

Date of Report: March 16, 2021
Samples Submitted: March 4, 2021
Laboratory Reference: 2103-058
Project: 2032-012

VOLATILE ORGANICS EPA 8260D
QUALITY CONTROL
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0309S1					
1,1,2-Trichloroethane	ND	0.0010	EPA 8260D	3-9-21	3-9-21	
Tetrachloroethene	ND	0.0010	EPA 8260D	3-9-21	3-9-21	
1,3-Dichloropropane	ND	0.0010	EPA 8260D	3-9-21	3-9-21	
Dibromochloromethane	ND	0.0010	EPA 8260D	3-9-21	3-9-21	
1,2-Dibromoethane	ND	0.0010	EPA 8260D	3-9-21	3-9-21	
Chlorobenzene	ND	0.0010	EPA 8260D	3-9-21	3-9-21	
1,1,1,2-Tetrachloroethane	ND	0.0010	EPA 8260D	3-9-21	3-9-21	
Bromoform	ND	0.0050	EPA 8260D	3-9-21	3-9-21	
Bromobenzene	ND	0.0010	EPA 8260D	3-9-21	3-9-21	
1,1,2,2-Tetrachloroethane	ND	0.0010	EPA 8260D	3-9-21	3-9-21	
1,2,3-Trichloropropane	ND	0.0010	EPA 8260D	3-9-21	3-9-21	
2-Chlorotoluene	ND	0.0010	EPA 8260D	3-9-21	3-9-21	
4-Chlorotoluene	ND	0.0010	EPA 8260D	3-9-21	3-9-21	
1,3-Dichlorobenzene	ND	0.0010	EPA 8260D	3-9-21	3-9-21	
1,4-Dichlorobenzene	ND	0.0010	EPA 8260D	3-9-21	3-9-21	
1,2-Dichlorobenzene	ND	0.0010	EPA 8260D	3-9-21	3-9-21	
1,2-Dibromo-3-chloropropane	ND	0.0050	EPA 8260D	3-9-21	3-9-21	
1,2,4-Trichlorobenzene	ND	0.0010	EPA 8260D	3-9-21	3-9-21	
Hexachlorobutadiene	ND	0.0050	EPA 8260D	3-9-21	3-9-21	
1,2,3-Trichlorobenzene	ND	0.0010	EPA 8260D	3-9-21	3-9-21	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*104*	*74-131*				
Toluene-d8	*100*	*78-128*				
4-Bromofluorobenzene	*100*	*71-130*				

Date of Report: March 16, 2021
Samples Submitted: March 4, 2021
Laboratory Reference: 2103-058
Project: 2032-012

VOLATILE ORGANICS EPA 8260D
QUALITY CONTROL

Matrix: Soil
Units: mg/kg

Analyte	Result		Spike Level		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB0309S1									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	**0.0497**	**0.0484**	0.0500	0.0500	99	97	55-126	3	17	
Benzene	**0.0475**	**0.0462**	0.0500	0.0500	95	92	65-121	3	16	
Trichloroethene	**0.0524**	**0.0520**	0.0500	0.0500	105	104	74-126	1	16	
Toluene	**0.0464**	**0.0459**	0.0500	0.0500	93	92	71-121	1	16	
Chlorobenzene	**0.0499**	**0.0475**	0.0500	0.0500	100	95	72-123	5	16	
Surrogate:										
Dibromofluoromethane					*105*	*102*	*74-131*			
Toluene-d8					*99*	*100*	*78-128*			
4-Bromofluorobenzene					*103*	*101*	*71-130*			

Date of Report: March 16, 2021
Samples Submitted: March 4, 2021
Laboratory Reference: 2103-058
Project: 2032-012

% MOISTURE

Client ID	Lab ID	% Moisture	Date Analyzed
AS-1-10	03-058-02	**30**	3-10-21
F-28-5	03-058-09	**15**	3-9-21
F-28-10	03-058-10	**23**	3-9-21
F-27-16.5	03-058-14	**24**	3-10-21
F-26-10	03-058-16	**16**	3-10-21

OnSite Environmental Inc.

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 -

ND - Not Detected at PQL
PQL - Practical Quantitation Limit
RPD - Relative Percent Difference

Chain of Custody

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

Company: Farallon Consulting
Project Number: 2032-012
Project Name: 68th Avenue South
Project Manager: P. Kingston
Sampled by: C. McKenney

Turnaround Request (in working days)
(Check One)
☐ Same Day ☐ 1 Day
☐ 2 Days ☐ 3 Days
☒ Standard (7 Days)
~~☒ HOLD~~ DB
(other)

Laboratory Number: 03-058

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx (☐ Acid / SG Clean-up)	Volatiles 8260C	Halogenated Volatiles 8260C	EDB EPA 8011 (Waters Only)	Semivolatiles 8270D/SIM (with low-level PAHs)	PAHs 8270D/SIM (low-level)	PCBs 8082A	Organochlorine Pesticides 8081B	Organophosphorus Pesticides 8270D/SIM	Chlorinated Acid Herbicides 8151A	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664A					% Moisture
1	AS-1-5	3/4/21	1110	Soil	4																						
2	AS-1-10		1115								X																X
3	AS-1-16		1120																								
4	AS-1-20		1125																								
5	SVE-1-5		1145																								
6	SVE-1-10		1155																								
7	SVE-1-17		1200																								
8	SVE-1-20		1205																								
9	F-28-5		1330					X	X																		X
10	F-28-10		1340					X	X		X																X

	Signature	Company	Date	Time	Comments/Special Instructions
Relinquished		FLW	3/4/21	1745	~~Hold All for PM analysis request~~
Received		COGE	3/4/21	1745	X - added 3/8/21. DB (STA)
Relinquished					
Received					
Relinquished					
Received					Data Package: Standard ☐ Level III ☐ Level IV ☐
Reviewed/Date		Reviewed/Date			Chromatograms with final report ☐ Electronic Data Deliverables (EDDs) ☐

Chain of Custody

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

Company: Farallon Consulting
Project Number: 2032-012
Project Name: 68th Avenue South
Project Manager: P. Kingston
Sampled by: G. McKenney

Turnaround Request (in working days)

(Check One)

☐ Same Day ☐ 1 Day
☐ 2 Days ☐ 3 Days
☒ Standard (7 Days)
☒ ~~HOLD~~ DS (other)

Laboratory Number: 03-058

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx (☐ Acid / SG Clean-up)	Volatiles 8260C	Halogenated Volatiles 8260C	EDB EPA 8011 (Waters Only)	Semivolatiles 8270D/SIM (with low-level PAHs)	PAHs 8270D/SIM (low-level)	PCBs 8082A	Organochlorine Pesticides 8081B	Organophosphorus Pesticides 8270D/SIM	Chlorinated Acid Herbicides 8151A	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664A					% Moisture
11	F-28-16	3/4/21	1400	SOIL	4																						
12	F-28-19		1410																								
13	F-27-7		1425																								
14	F-27-16.5		1445								X																X
15	F-26-6.5		1505																								
16	F-26-10		1510								X																X
17	F-26-18		1515																								
18	FMW-10-5		1610																								
19	FMW-10-10		1615																								
20	FMW-10-16.5		1625																								

	Signature	Company	Date	Time
Relinquished		FLN	3/4/21	1745
Received		COE	3/4/21	1745
Relinquished				
Received				
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions

HOLD ALL for PM analysis request
DS

Data Package: Standard ☐ Level III ☐ Level IV ☐

Chromatograms with final report ☐ Electronic Data Deliverables (EDDs) ☐

Chain of Custody

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

Company: Farallon Consulting
Project Number: 2032-012
Project Name: 68th Avenue South
Project Manager: P. Kingston
Sampled by: G. McKenny

Turnaround Request (in working days)
(Check One)
☐ Same Day ☐ 1 Day
☐ 2 Days ☐ 3 Days
☐ Standard (7 Days)
☒ HOLD
(other)

Laboratory Number: 03-058

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx (☐ Acid / SG Clean-up)	Volatiles 8260C	Halogenated Volatiles 8260C	EDB EPA 8011 (Waters Only)	Semivolatiles 8270D/SIM (with low-level PAHs)	PAHs 8270D/SIM (low-level)	PCBs 8082A	Organochlorine Pesticides 8081B	Organophosphorus Pesticides 8270D/SIM	Chlorinated Acid Herbicides 8151A	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664A					% Moisture
21	FMW-10-20	3/4/21	1630	SOIL	4																						

	Signature	Company	Date	Time
Relinquished		FLN	3/4/21	1745
Received		COE	3/4/21	1745
Relinquished				
Received				
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions
HOLD

Data Package: Standard ☐ Level III ☐ Level IV ☐

Chromatograms with final report ☐ Electronic Data Deliverables (EDDs) ☐

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

March 16, 2021

Pete Kingston
Farallon Consulting
1809 7th Avenue, Suite 1111
Seattle, WA 98101

Re: Analytical Data for Project 2032-012
Laboratory Reference No. 2103-078

Dear Pete:

Enclosed are the analytical results and associated quality control data for samples submitted on March 5, 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: March 16, 2021
Samples Submitted: March 5, 2021
Laboratory Reference: 2103-078
Project: 2032-012

Case Narrative

Samples were collected on March 5, 2021 and received by the laboratory on March 5, 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: March 16, 2021
Samples Submitted: March 5, 2021
Laboratory Reference: 2103-078
Project: 2032-012

GASOLINE RANGE ORGANICS
NWTPH-Gx

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FMW-12-10**					
Laboratory ID:	03-078-01					
Gasoline	**16**	7.7	NWTPH-Gx	3-10-21	3-10-21	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*120*	*58-129*				

Date of Report: March 16, 2021
Samples Submitted: March 5, 2021
Laboratory Reference: 2103-078
Project: 2032-012

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:	MB0310S1					
Gasoline	**ND**	5.0	NWTPH-Gx	3-10-21	3-10-21	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*93*	*58-129*				

Analyte	Result		Spike Level		Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE										
Laboratory ID:	03-058-09									
	ORIG	DUP								
Gasoline	**ND**	**ND**	NA	NA		NA	NA	NA	30	
Surrogate:										
Fluorobenzene						*99* *100*	*58-129*			

Date of Report: March 16, 2021
Samples Submitted: March 5, 2021
Laboratory Reference: 2103-078
Project: 2032-012

DIESEL AND HEAVY OIL RANGE ORGANICS
NWTPH-Dx

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FMW-12-10**					
Laboratory ID:	03-078-01					
Diesel Range Organics	**ND**	64	NWTPH-Dx	3-9-21	3-10-21	U1
Lube Oil	**200**	69	NWTPH-Dx	3-9-21	3-10-21	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*85*	*50-150*				

Date of Report: March 16, 2021
Samples Submitted: March 5, 2021
Laboratory Reference: 2103-078
Project: 2032-012

DIESEL AND HEAVY OIL RANGE ORGANICS
NWTPH-Dx
QUALITY CONTROL

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0309S1					
Diesel Range Organics	**ND**	25	NWTPH-Dx	3-9-21	3-9-21	
Lube Oil Range Organics	**ND**	50	NWTPH-Dx	3-9-21	3-9-21	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*93*	*50-150*				

Analyte	Result		Spike Level		Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE										
Laboratory ID:	03-058-09									
	ORIG	DUP								
Diesel Range	**ND**	**ND**	NA	NA		NA	NA	NA	NA	
Lube Oil	**277**	**118**	NA	NA		NA	NA	81	NA	
Surrogate:										
o-Terphenyl						*86* *99*	*50-150*			

Date of Report: March 16, 2021
Samples Submitted: March 5, 2021
Laboratory Reference: 2103-078
Project: 2032-012

VOLATILE ORGANICS EPA 8260D
page 1 of 2

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FMW-12-10**					
Laboratory ID:	03-078-01					
Dichlorodifluoromethane	ND	0.0014	EPA 8260D	3-9-21	3-9-21	
Chloromethane	ND	0.0097	EPA 8260D	3-9-21	3-9-21	
Vinyl Chloride	ND	0.0014	EPA 8260D	3-9-21	3-9-21	
Bromomethane	ND	0.0072	EPA 8260D	3-9-21	3-9-21	
Chloroethane	ND	0.0072	EPA 8260D	3-9-21	3-9-21	
Trichlorofluoromethane	ND	0.0014	EPA 8260D	3-9-21	3-9-21	
1,1-Dichloroethene	ND	0.0014	EPA 8260D	3-9-21	3-9-21	
Iodomethane	ND	0.0072	EPA 8260D	3-9-21	3-9-21	
Methylene Chloride	ND	0.0072	EPA 8260D	3-9-21	3-9-21	
(trans) 1,2-Dichloroethene	ND	0.0014	EPA 8260D	3-9-21	3-9-21	
1,1-Dichloroethane	ND	0.0014	EPA 8260D	3-9-21	3-9-21	
2,2-Dichloropropane	ND	0.0014	EPA 8260D	3-9-21	3-9-21	
(cis) 1,2-Dichloroethene	ND	0.0014	EPA 8260D	3-9-21	3-9-21	
Bromochloromethane	ND	0.0014	EPA 8260D	3-9-21	3-9-21	
Chloroform	ND	0.0014	EPA 8260D	3-9-21	3-9-21	
1,1,1-Trichloroethane	ND	0.0014	EPA 8260D	3-9-21	3-9-21	
Carbon Tetrachloride	ND	0.0014	EPA 8260D	3-9-21	3-9-21	
1,1-Dichloropropene	ND	0.0014	EPA 8260D	3-9-21	3-9-21	
1,2-Dichloroethane	ND	0.0014	EPA 8260D	3-9-21	3-9-21	
Trichloroethene	ND	0.0014	EPA 8260D	3-9-21	3-9-21	
1,2-Dichloropropane	ND	0.0014	EPA 8260D	3-9-21	3-9-21	
Dibromomethane	ND	0.0014	EPA 8260D	3-9-21	3-9-21	
Bromodichloromethane	ND	0.0014	EPA 8260D	3-9-21	3-9-21	
2-Chloroethyl Vinyl Ether	ND	0.0072	EPA 8260D	3-9-21	3-9-21	
(cis) 1,3-Dichloropropene	ND	0.0014	EPA 8260D	3-9-21	3-9-21	
(trans) 1,3-Dichloropropene	ND	0.0014	EPA 8260D	3-9-21	3-9-21	

Date of Report: March 16, 2021
Samples Submitted: March 5, 2021
Laboratory Reference: 2103-078
Project: 2032-012

VOLATILE ORGANICS EPA 8260D
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FMW-12-10**					
Laboratory ID:	03-078-01					
1,1,2-Trichloroethane	ND	0.0014	EPA 8260D	3-9-21	3-9-21	
Tetrachloroethene	0.021	0.0014	EPA 8260D	3-9-21	3-9-21	
1,3-Dichloropropane	ND	0.0014	EPA 8260D	3-9-21	3-9-21	
Dibromochloromethane	ND	0.0014	EPA 8260D	3-9-21	3-9-21	
1,2-Dibromoethane	ND	0.0014	EPA 8260D	3-9-21	3-9-21	
Chlorobenzene	ND	0.0014	EPA 8260D	3-9-21	3-9-21	
1,1,1,2-Tetrachloroethane	ND	0.0014	EPA 8260D	3-9-21	3-9-21	
Bromoform	ND	0.0072	EPA 8260D	3-9-21	3-9-21	
Bromobenzene	ND	0.0014	EPA 8260D	3-9-21	3-9-21	
1,1,2,2-Tetrachloroethane	ND	0.0014	EPA 8260D	3-9-21	3-9-21	
1,2,3-Trichloropropane	ND	0.0014	EPA 8260D	3-9-21	3-9-21	
2-Chlorotoluene	ND	0.0014	EPA 8260D	3-9-21	3-9-21	
4-Chlorotoluene	ND	0.0014	EPA 8260D	3-9-21	3-9-21	
1,3-Dichlorobenzene	ND	0.0014	EPA 8260D	3-9-21	3-9-21	
1,4-Dichlorobenzene	ND	0.0014	EPA 8260D	3-9-21	3-9-21	
1,2-Dichlorobenzene	ND	0.0014	EPA 8260D	3-9-21	3-9-21	
1,2-Dibromo-3-chloropropane	ND	0.0072	EPA 8260D	3-9-21	3-9-21	
1,2,4-Trichlorobenzene	ND	0.0014	EPA 8260D	3-9-21	3-9-21	
Hexachlorobutadiene	ND	0.0072	EPA 8260D	3-9-21	3-9-21	
1,2,3-Trichlorobenzene	ND	0.0014	EPA 8260D	3-9-21	3-9-21	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*103*	*74-131*				
Toluene-d8	*99*	*78-128*				
4-Bromofluorobenzene	*97*	*71-130*				

Date of Report: March 16, 2021
Samples Submitted: March 5, 2021
Laboratory Reference: 2103-078
Project: 2032-012

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Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**F-30-13**					
Laboratory ID:	03-078-04					
Dichlorodifluoromethane	ND	0.0010	EPA 8260D	3-9-21	3-9-21	
Chloromethane	ND	0.0069	EPA 8260D	3-9-21	3-9-21	
Vinyl Chloride	ND	0.0010	EPA 8260D	3-9-21	3-9-21	
Bromomethane	ND	0.0051	EPA 8260D	3-9-21	3-9-21	
Chloroethane	ND	0.0051	EPA 8260D	3-9-21	3-9-21	
Trichlorofluoromethane	ND	0.0010	EPA 8260D	3-9-21	3-9-21	
1,1-Dichloroethene	ND	0.0010	EPA 8260D	3-9-21	3-9-21	
Iodomethane	ND	0.0051	EPA 8260D	3-9-21	3-9-21	
Methylene Chloride	ND	0.0051	EPA 8260D	3-9-21	3-9-21	
(trans) 1,2-Dichloroethene	ND	0.0010	EPA 8260D	3-9-21	3-9-21	
1,1-Dichloroethane	ND	0.0010	EPA 8260D	3-9-21	3-9-21	
2,2-Dichloropropane	ND	0.0010	EPA 8260D	3-9-21	3-9-21	
(cis) 1,2-Dichloroethene	ND	0.0010	EPA 8260D	3-9-21	3-9-21	
Bromochloromethane	ND	0.0010	EPA 8260D	3-9-21	3-9-21	
Chloroform	ND	0.0010	EPA 8260D	3-9-21	3-9-21	
1,1,1-Trichloroethane	ND	0.0010	EPA 8260D	3-9-21	3-9-21	
Carbon Tetrachloride	ND	0.0010	EPA 8260D	3-9-21	3-9-21	
1,1-Dichloropropene	ND	0.0010	EPA 8260D	3-9-21	3-9-21	
1,2-Dichloroethane	ND	0.0010	EPA 8260D	3-9-21	3-9-21	
Trichloroethene	ND	0.0010	EPA 8260D	3-9-21	3-9-21	
1,2-Dichloropropane	ND	0.0010	EPA 8260D	3-9-21	3-9-21	
Dibromomethane	ND	0.0010	EPA 8260D	3-9-21	3-9-21	
Bromodichloromethane	ND	0.0010	EPA 8260D	3-9-21	3-9-21	
2-Chloroethyl Vinyl Ether	ND	0.0051	EPA 8260D	3-9-21	3-9-21	
(cis) 1,3-Dichloropropene	ND	0.0010	EPA 8260D	3-9-21	3-9-21	
(trans) 1,3-Dichloropropene	ND	0.0010	EPA 8260D	3-9-21	3-9-21	

Date of Report: March 16, 2021
Samples Submitted: March 5, 2021
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**F-30-13**					
Laboratory ID:	03-078-04					
1,1,2-Trichloroethane	ND	0.0010	EPA 8260D	3-9-21	3-9-21	
Tetrachloroethene	ND	0.0010	EPA 8260D	3-9-21	3-9-21	
1,3-Dichloropropane	ND	0.0010	EPA 8260D	3-9-21	3-9-21	
Dibromochloromethane	ND	0.0010	EPA 8260D	3-9-21	3-9-21	
1,2-Dibromoethane	ND	0.0010	EPA 8260D	3-9-21	3-9-21	
Chlorobenzene	ND	0.0010	EPA 8260D	3-9-21	3-9-21	
1,1,1,2-Tetrachloroethane	ND	0.0010	EPA 8260D	3-9-21	3-9-21	
Bromoform	ND	0.0051	EPA 8260D	3-9-21	3-9-21	
Bromobenzene	ND	0.0010	EPA 8260D	3-9-21	3-9-21	
1,1,2,2-Tetrachloroethane	ND	0.0010	EPA 8260D	3-9-21	3-9-21	
1,2,3-Trichloropropane	ND	0.0010	EPA 8260D	3-9-21	3-9-21	
2-Chlorotoluene	ND	0.0010	EPA 8260D	3-9-21	3-9-21	
4-Chlorotoluene	ND	0.0010	EPA 8260D	3-9-21	3-9-21	
1,3-Dichlorobenzene	ND	0.0010	EPA 8260D	3-9-21	3-9-21	
1,4-Dichlorobenzene	ND	0.0010	EPA 8260D	3-9-21	3-9-21	
1,2-Dichlorobenzene	ND	0.0010	EPA 8260D	3-9-21	3-9-21	
1,2-Dibromo-3-chloropropane	ND	0.0051	EPA 8260D	3-9-21	3-9-21	
1,2,4-Trichlorobenzene	ND	0.0010	EPA 8260D	3-9-21	3-9-21	
Hexachlorobutadiene	ND	0.0051	EPA 8260D	3-9-21	3-9-21	
1,2,3-Trichlorobenzene	ND	0.0010	EPA 8260D	3-9-21	3-9-21	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*104*	*74-131*				
Toluene-d8	*98*	*78-128*				
4-Bromofluorobenzene	*95*	*71-130*				

Date of Report: March 16, 2021
Samples Submitted: March 5, 2021
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Project: 2032-012

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Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**F-29-8**					
Laboratory ID:	03-078-06					
Dichlorodifluoromethane	ND	0.0011	EPA 8260D	3-9-21	3-9-21	
Chloromethane	ND	0.0071	EPA 8260D	3-9-21	3-9-21	
Vinyl Chloride	ND	0.0011	EPA 8260D	3-9-21	3-9-21	
Bromomethane	ND	0.0053	EPA 8260D	3-9-21	3-9-21	
Chloroethane	ND	0.0053	EPA 8260D	3-9-21	3-9-21	
Trichlorofluoromethane	ND	0.0011	EPA 8260D	3-9-21	3-9-21	
1,1-Dichloroethene	ND	0.0011	EPA 8260D	3-9-21	3-9-21	
Iodomethane	ND	0.0053	EPA 8260D	3-9-21	3-9-21	
Methylene Chloride	ND	0.0053	EPA 8260D	3-9-21	3-9-21	
(trans) 1,2-Dichloroethene	ND	0.0011	EPA 8260D	3-9-21	3-9-21	
1,1-Dichloroethane	ND	0.0011	EPA 8260D	3-9-21	3-9-21	
2,2-Dichloropropane	ND	0.0011	EPA 8260D	3-9-21	3-9-21	
(cis) 1,2-Dichloroethene	ND	0.0011	EPA 8260D	3-9-21	3-9-21	
Bromochloromethane	ND	0.0011	EPA 8260D	3-9-21	3-9-21	
Chloroform	ND	0.0011	EPA 8260D	3-9-21	3-9-21	
1,1,1-Trichloroethane	ND	0.0011	EPA 8260D	3-9-21	3-9-21	
Carbon Tetrachloride	ND	0.0011	EPA 8260D	3-9-21	3-9-21	
1,1-Dichloropropene	ND	0.0011	EPA 8260D	3-9-21	3-9-21	
1,2-Dichloroethane	ND	0.0011	EPA 8260D	3-9-21	3-9-21	
Trichloroethene	0.0012	0.0011	EPA 8260D	3-9-21	3-9-21	
1,2-Dichloropropane	ND	0.0011	EPA 8260D	3-9-21	3-9-21	
Dibromomethane	ND	0.0011	EPA 8260D	3-9-21	3-9-21	
Bromodichloromethane	ND	0.0011	EPA 8260D	3-9-21	3-9-21	
2-Chloroethyl Vinyl Ether	ND	0.0053	EPA 8260D	3-9-21	3-9-21	
(cis) 1,3-Dichloropropene	ND	0.0011	EPA 8260D	3-9-21	3-9-21	
(trans) 1,3-Dichloropropene	ND	0.0011	EPA 8260D	3-9-21	3-9-21	

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Project: 2032-012

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**F-29-8**					
Laboratory ID:	03-078-06					
1,1,2-Trichloroethane	ND	0.0011	EPA 8260D	3-9-21	3-9-21	
Tetrachloroethene	0.0017	0.0011	EPA 8260D	3-9-21	3-9-21	
1,3-Dichloropropane	ND	0.0011	EPA 8260D	3-9-21	3-9-21	
Dibromochloromethane	ND	0.0011	EPA 8260D	3-9-21	3-9-21	
1,2-Dibromoethane	ND	0.0011	EPA 8260D	3-9-21	3-9-21	
Chlorobenzene	ND	0.0011	EPA 8260D	3-9-21	3-9-21	
1,1,1,2-Tetrachloroethane	ND	0.0011	EPA 8260D	3-9-21	3-9-21	
Bromoform	ND	0.0053	EPA 8260D	3-9-21	3-9-21	
Bromobenzene	ND	0.0011	EPA 8260D	3-9-21	3-9-21	
1,1,2,2-Tetrachloroethane	ND	0.0011	EPA 8260D	3-9-21	3-9-21	
1,2,3-Trichloropropane	ND	0.0011	EPA 8260D	3-9-21	3-9-21	
2-Chlorotoluene	ND	0.0011	EPA 8260D	3-9-21	3-9-21	
4-Chlorotoluene	ND	0.0011	EPA 8260D	3-9-21	3-9-21	
1,3-Dichlorobenzene	ND	0.0011	EPA 8260D	3-9-21	3-9-21	
1,4-Dichlorobenzene	ND	0.0011	EPA 8260D	3-9-21	3-9-21	
1,2-Dichlorobenzene	ND	0.0011	EPA 8260D	3-9-21	3-9-21	
1,2-Dibromo-3-chloropropane	ND	0.0053	EPA 8260D	3-9-21	3-9-21	
1,2,4-Trichlorobenzene	ND	0.0011	EPA 8260D	3-9-21	3-9-21	
Hexachlorobutadiene	ND	0.0053	EPA 8260D	3-9-21	3-9-21	
1,2,3-Trichlorobenzene	ND	0.0011	EPA 8260D	3-9-21	3-9-21	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*108*	*74-131*				
Toluene-d8	*102*	*78-128*				
4-Bromofluorobenzene	*96*	*71-130*				

Date of Report: March 16, 2021
Samples Submitted: March 5, 2021
Laboratory Reference: 2103-078
Project: 2032-012

VOLATILE ORGANICS EPA 8260D
QUALITY CONTROL
page 1 of 2

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0309S1					
Dichlorodifluoromethane	ND	0.0010	EPA 8260D	3-9-21	3-9-21	
Chloromethane	ND	0.0067	EPA 8260D	3-9-21	3-9-21	
Vinyl Chloride	ND	0.0010	EPA 8260D	3-9-21	3-9-21	
Bromomethane	ND	0.0050	EPA 8260D	3-9-21	3-9-21	
Chloroethane	ND	0.0050	EPA 8260D	3-9-21	3-9-21	
Trichlorofluoromethane	ND	0.0010	EPA 8260D	3-9-21	3-9-21	
1,1-Dichloroethene	ND	0.0010	EPA 8260D	3-9-21	3-9-21	
Iodomethane	ND	0.0050	EPA 8260D	3-9-21	3-9-21	
Methylene Chloride	ND	0.0050	EPA 8260D	3-9-21	3-9-21	
(trans) 1,2-Dichloroethene	ND	0.0010	EPA 8260D	3-9-21	3-9-21	
1,1-Dichloroethane	ND	0.0010	EPA 8260D	3-9-21	3-9-21	
2,2-Dichloropropane	ND	0.0010	EPA 8260D	3-9-21	3-9-21	
(cis) 1,2-Dichloroethene	ND	0.0010	EPA 8260D	3-9-21	3-9-21	
Bromochloromethane	ND	0.0010	EPA 8260D	3-9-21	3-9-21	
Chloroform	ND	0.0010	EPA 8260D	3-9-21	3-9-21	
1,1,1-Trichloroethane	ND	0.0010	EPA 8260D	3-9-21	3-9-21	
Carbon Tetrachloride	ND	0.0010	EPA 8260D	3-9-21	3-9-21	
1,1-Dichloropropene	ND	0.0010	EPA 8260D	3-9-21	3-9-21	
1,2-Dichloroethane	ND	0.0010	EPA 8260D	3-9-21	3-9-21	
Trichloroethene	ND	0.0010	EPA 8260D	3-9-21	3-9-21	
1,2-Dichloropropane	ND	0.0010	EPA 8260D	3-9-21	3-9-21	
Dibromomethane	ND	0.0010	EPA 8260D	3-9-21	3-9-21	
Bromodichloromethane	ND	0.0010	EPA 8260D	3-9-21	3-9-21	
2-Chloroethyl Vinyl Ether	ND	0.0050	EPA 8260D	3-9-21	3-9-21	
(cis) 1,3-Dichloropropene	ND	0.0010	EPA 8260D	3-9-21	3-9-21	
(trans) 1,3-Dichloropropene	ND	0.0010	EPA 8260D	3-9-21	3-9-21	

Date of Report: March 16, 2021
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VOLATILE ORGANICS EPA 8260D
QUALITY CONTROL
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0309S1					
1,1,2-Trichloroethane	ND	0.0010	EPA 8260D	3-9-21	3-9-21	
Tetrachloroethene	ND	0.0010	EPA 8260D	3-9-21	3-9-21	
1,3-Dichloropropane	ND	0.0010	EPA 8260D	3-9-21	3-9-21	
Dibromochloromethane	ND	0.0010	EPA 8260D	3-9-21	3-9-21	
1,2-Dibromoethane	ND	0.0010	EPA 8260D	3-9-21	3-9-21	
Chlorobenzene	ND	0.0010	EPA 8260D	3-9-21	3-9-21	
1,1,1,2-Tetrachloroethane	ND	0.0010	EPA 8260D	3-9-21	3-9-21	
Bromoform	ND	0.0050	EPA 8260D	3-9-21	3-9-21	
Bromobenzene	ND	0.0010	EPA 8260D	3-9-21	3-9-21	
1,1,2,2-Tetrachloroethane	ND	0.0010	EPA 8260D	3-9-21	3-9-21	
1,2,3-Trichloropropane	ND	0.0010	EPA 8260D	3-9-21	3-9-21	
2-Chlorotoluene	ND	0.0010	EPA 8260D	3-9-21	3-9-21	
4-Chlorotoluene	ND	0.0010	EPA 8260D	3-9-21	3-9-21	
1,3-Dichlorobenzene	ND	0.0010	EPA 8260D	3-9-21	3-9-21	
1,4-Dichlorobenzene	ND	0.0010	EPA 8260D	3-9-21	3-9-21	
1,2-Dichlorobenzene	ND	0.0010	EPA 8260D	3-9-21	3-9-21	
1,2-Dibromo-3-chloropropane	ND	0.0050	EPA 8260D	3-9-21	3-9-21	
1,2,4-Trichlorobenzene	ND	0.0010	EPA 8260D	3-9-21	3-9-21	
Hexachlorobutadiene	ND	0.0050	EPA 8260D	3-9-21	3-9-21	
1,2,3-Trichlorobenzene	ND	0.0010	EPA 8260D	3-9-21	3-9-21	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*104*	*74-131*				
Toluene-d8	*100*	*78-128*				
4-Bromofluorobenzene	*100*	*71-130*				

Date of Report: March 16, 2021
Samples Submitted: March 5, 2021
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Project: 2032-012

VOLATILE ORGANICS EPA 8260D
QUALITY CONTROL

Matrix: Soil
Units: mg/kg

Analyte	Result		Spike Level		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB0309S1									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	**0.0497**	**0.0484**	0.0500	0.0500	99	97	55-126	3	17	
Benzene	**0.0475**	**0.0462**	0.0500	0.0500	95	92	65-121	3	16	
Trichloroethene	**0.0524**	**0.0520**	0.0500	0.0500	105	104	74-126	1	16	
Toluene	**0.0464**	**0.0459**	0.0500	0.0500	93	92	71-121	1	16	
Chlorobenzene	**0.0499**	**0.0475**	0.0500	0.0500	100	95	72-123	5	16	
Surrogate:										
Dibromofluoromethane					*105*	*102*	*74-131*			
Toluene-d8					*99*	*100*	*78-128*			
4-Bromofluorobenzene					*103*	*101*	*71-130*			

Date of Report: March 16, 2021
Samples Submitted: March 5, 2021
Laboratory Reference: 2103-078
Project: 2032-012

% MOISTURE

Client ID	Lab ID	% Moisture	Date Analyzed
FMW-12-10	03-078-01	**28**	3-10-21
F-30-13	03-078-04	**25**	3-10-21
F-29-8	03-078-06	**14**	3-10-21

OnSite Environmental Inc.

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 -

ND - Not Detected at PQL
PQL - Practical Quantitation Limit
RPD - Relative Percent Difference

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

Chain of Custody

Laboratory Number: 03-078

Company: Farallon Consulting
Project Number: 2032-012
Project Name: 68th Avenue South
Project Manager: P. Kingston
Sampled by: G. McKenney

Turnaround Request (in working days)
(Check One)
- [ ] Same Day
- [ ] 1 Day
- [ ] 2 Days
- [ ] 3 Days
- [x] Standard (7 Days)
- [x] ~~HOLD~~ DJ (other)

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx (☐ Acid / SG Clean-up)	Volatiles 8260C	Halogenated Volatiles 8260C	EDB EPA 8011 (Waters Only)	Semivolatiles 8270D/SIM (with low-level PAHs)	PAHs 8270D/SIM (low-level)	PCBs 8082A	Organochlorine Pesticides 8081B	Organophosphorus Pesticides 8270D/SIM	Chlorinated Acid Herbicides 8151A	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664A	% Moisture
1	FMW-12-10	3/5/21	0905	SOIL	4			X	X		X												X
2	FMW-12-18.5	↓	0915	↓	↓																		
3	F-30-5		1035																				
4	F-30-13		1045								X												X
5	F-30-20		1050																				
6	F-29-8		1125								X												X
7	F-29-19		1135																				
8	FMW-13-7.5		1315																				
9	FMW-13-13		1320																				
10	FMW-13-17.5		1330																				

	Signature	Company	Date	Time
Relinquished	[signature]	FLN	3/5/21	1635
Received	[signature]	OSE	3/5/21	1635
Relinquished				
Received				
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions
~~HOLD ALL for PM analysis request~~
X-Added 3/8/21. DB (STA)

Data Package: Standard ☐ Level III ☐ Level IV ☐
Chromatograms with final report ☐ Electronic Data Deliverables (EDDs) ☐

Chain of Custody

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

Company: Farallon Consulting
Project Number: 2032-012
Project Name: 68th Avenue South
Project Manager: P. Kingston
Sampled by: G. McKenney

Turnaround Request (in working days)

(Check One)

☐ Same Day ☐ 1 Day
☐ 2 Days ☐ 3 Days
☐ Standard (7 Days)
☒ HOLD (other)

Laboratory Number: 03-078

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx (☐ Acid / SG Clean-up)	Volatiles 8260C	Halogenated Volatiles 8260C	EDB EPA 8011 (Waters Only)	Semivolatiles 8270D/SIM (with low-level PAHs)	PAHs 8270D/SIM (low-level)	PCBs 8082A	Organochlorine Pesticides 8081B	Organophosphorus Pesticides 8270D/SIM	Chlorinated Acid Herbicides 8151A	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664A					% Moisture
11	FMW-11-7	3/5/21	1440	Soil	4																						
12	FMW-11-14	↓	1445	↓	↓																						
13	FMW-11-16.5	↓	1455	↓	↓																						

6PM

	Signature	Company	Date	Time
Relinquished		FLN	3/5/21	1635
Received		CORE	3/5/21	1635
Relinquished				
Received				
Relinquished				
Received				

Comments/Special Instructions

HOLD ALL for PM analysis request

Data Package: Standard ☐ Level III ☐ Level IV ☐

Chromatograms with final report ☐ Electronic Data Deliverables (EDDs) ☐

Reviewed/Date

Reviewed/Date

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

June 1, 2021

Pete Kingston
Farallon Consulting
1809 7th Avenue, Suite 1111
Seattle, WA 98101

Re: Analytical Data for Project 2032-012
Laboratory Reference No. 2105-186

Dear Pete:

Enclosed are the analytical results and associated quality control data for samples submitted on May 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

Date of Report: June 1, 2021
Samples Submitted: May 19, 2021
Laboratory Reference: 2105-186
Project: 2032-012

Case Narrative

Samples were collected on May 19, 2021 and received by the laboratory on May 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.

Date of Report: June 1, 2021
Samples Submitted: May 19, 2021
Laboratory Reference: 2105-186
Project: 2032-012

VOLATILE ORGANICS EPA 8260D
page 1 of 2

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FMW-14-6**					
Laboratory ID:	05-186-01					
Dichlorodifluoromethane	ND	0.0013	EPA 8260D	5-27-21	5-27-21	
Chloromethane	ND	0.0065	EPA 8260D	5-27-21	5-27-21	
Vinyl Chloride	ND	0.0013	EPA 8260D	5-27-21	5-27-21	
Bromomethane	ND	0.0065	EPA 8260D	5-27-21	5-27-21	
Chloroethane	ND	0.0065	EPA 8260D	5-27-21	5-27-21	
Trichlorofluoromethane	ND	0.0013	EPA 8260D	5-27-21	5-27-21	
1,1-Dichloroethene	ND	0.0013	EPA 8260D	5-27-21	5-27-21	
Iodomethane	ND	0.0065	EPA 8260D	5-27-21	5-27-21	
Methylene Chloride	ND	0.0065	EPA 8260D	5-27-21	5-27-21	
(trans) 1,2-Dichloroethene	ND	0.0013	EPA 8260D	5-27-21	5-27-21	
1,1-Dichloroethane	ND	0.0013	EPA 8260D	5-27-21	5-27-21	
2,2-Dichloropropane	ND	0.0013	EPA 8260D	5-27-21	5-27-21	
(cis) 1,2-Dichloroethene	ND	0.0013	EPA 8260D	5-27-21	5-27-21	
Bromochloromethane	ND	0.0013	EPA 8260D	5-27-21	5-27-21	
Chloroform	ND	0.0013	EPA 8260D	5-27-21	5-27-21	
1,1,1-Trichloroethane	ND	0.0013	EPA 8260D	5-27-21	5-27-21	
Carbon Tetrachloride	ND	0.0013	EPA 8260D	5-27-21	5-27-21	
1,1-Dichloropropene	ND	0.0013	EPA 8260D	5-27-21	5-27-21	
1,2-Dichloroethane	ND	0.0013	EPA 8260D	5-27-21	5-27-21	
Trichloroethene	ND	0.0013	EPA 8260D	5-27-21	5-27-21	
1,2-Dichloropropane	ND	0.0013	EPA 8260D	5-27-21	5-27-21	
Dibromomethane	ND	0.0013	EPA 8260D	5-27-21	5-27-21	
Bromodichloromethane	ND	0.0013	EPA 8260D	5-27-21	5-27-21	
2-Chloroethyl Vinyl Ether	ND	0.0065	EPA 8260D	5-27-21	5-27-21	
(cis) 1,3-Dichloropropene	ND	0.0013	EPA 8260D	5-27-21	5-27-21	
(trans) 1,3-Dichloropropene	ND	0.0013	EPA 8260D	5-27-21	5-27-21	

Date of Report: June 1, 2021
Samples Submitted: May 19, 2021
Laboratory Reference: 2105-186
Project: 2032-012

VOLATILE ORGANICS EPA 8260D
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FMW-14-6**					
Laboratory ID:	05-186-01					
1,1,2-Trichloroethane	ND	0.0013	EPA 8260D	5-27-21	5-27-21	
Tetrachloroethene	ND	0.0013	EPA 8260D	5-27-21	5-27-21	
1,3-Dichloropropane	ND	0.0013	EPA 8260D	5-27-21	5-27-21	
Dibromochloromethane	ND	0.0013	EPA 8260D	5-27-21	5-27-21	
1,2-Dibromoethane	ND	0.0013	EPA 8260D	5-27-21	5-27-21	
Chlorobenzene	ND	0.0013	EPA 8260D	5-27-21	5-27-21	
1,1,1,2-Tetrachloroethane	ND	0.0013	EPA 8260D	5-27-21	5-27-21	
Bromoform	ND	0.0065	EPA 8260D	5-27-21	5-27-21	
Bromobenzene	ND	0.0013	EPA 8260D	5-27-21	5-27-21	
1,1,2,2-Tetrachloroethane	ND	0.0013	EPA 8260D	5-27-21	5-27-21	
1,2,3-Trichloropropane	ND	0.0013	EPA 8260D	5-27-21	5-27-21	
2-Chlorotoluene	ND	0.0013	EPA 8260D	5-27-21	5-27-21	
4-Chlorotoluene	ND	0.0013	EPA 8260D	5-27-21	5-27-21	
1,3-Dichlorobenzene	ND	0.0013	EPA 8260D	5-27-21	5-27-21	
1,4-Dichlorobenzene	ND	0.0013	EPA 8260D	5-27-21	5-27-21	
1,2-Dichlorobenzene	ND	0.0013	EPA 8260D	5-27-21	5-27-21	
1,2-Dibromo-3-chloropropane	ND	0.0065	EPA 8260D	5-27-21	5-27-21	
1,2,4-Trichlorobenzene	ND	0.0013	EPA 8260D	5-27-21	5-27-21	
Hexachlorobutadiene	ND	0.0065	EPA 8260D	5-27-21	5-27-21	
1,2,3-Trichlorobenzene	ND	0.0013	EPA 8260D	5-27-21	5-27-21	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*110*	*74-131*				
Toluene-d8	*102*	*78-128*				
4-Bromofluorobenzene	*101*	*71-130*				

Date of Report: June 1, 2021
Samples Submitted: May 19, 2021
Laboratory Reference: 2105-186
Project: 2032-012

VOLATILE ORGANICS EPA 8260D
page 1 of 2

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FMW-14-12**					
Laboratory ID:	05-186-02					
Dichlorodifluoromethane	ND	0.0012	EPA 8260D	5-27-21	5-27-21	
Chloromethane	ND	0.0058	EPA 8260D	5-27-21	5-27-21	
Vinyl Chloride	ND	0.0012	EPA 8260D	5-27-21	5-27-21	
Bromomethane	ND	0.0058	EPA 8260D	5-27-21	5-27-21	
Chloroethane	ND	0.0058	EPA 8260D	5-27-21	5-27-21	
Trichlorofluoromethane	ND	0.0012	EPA 8260D	5-27-21	5-27-21	
1,1-Dichloroethene	ND	0.0012	EPA 8260D	5-27-21	5-27-21	
Iodomethane	ND	0.0058	EPA 8260D	5-27-21	5-27-21	
Methylene Chloride	ND	0.0058	EPA 8260D	5-27-21	5-27-21	
(trans) 1,2-Dichloroethene	ND	0.0012	EPA 8260D	5-27-21	5-27-21	
1,1-Dichloroethane	ND	0.0012	EPA 8260D	5-27-21	5-27-21	
2,2-Dichloropropane	ND	0.0012	EPA 8260D	5-27-21	5-27-21	
(cis) 1,2-Dichloroethene	ND	0.0012	EPA 8260D	5-27-21	5-27-21	
Bromochloromethane	ND	0.0012	EPA 8260D	5-27-21	5-27-21	
Chloroform	ND	0.0012	EPA 8260D	5-27-21	5-27-21	
1,1,1-Trichloroethane	ND	0.0012	EPA 8260D	5-27-21	5-27-21	
Carbon Tetrachloride	ND	0.0012	EPA 8260D	5-27-21	5-27-21	
1,1-Dichloropropene	ND	0.0012	EPA 8260D	5-27-21	5-27-21	
1,2-Dichloroethane	ND	0.0012	EPA 8260D	5-27-21	5-27-21	
Trichloroethene	ND	0.0012	EPA 8260D	5-27-21	5-27-21	
1,2-Dichloropropane	ND	0.0012	EPA 8260D	5-27-21	5-27-21	
Dibromomethane	ND	0.0012	EPA 8260D	5-27-21	5-27-21	
Bromodichloromethane	ND	0.0012	EPA 8260D	5-27-21	5-27-21	
2-Chloroethyl Vinyl Ether	ND	0.0058	EPA 8260D	5-27-21	5-27-21	
(cis) 1,3-Dichloropropene	ND	0.0012	EPA 8260D	5-27-21	5-27-21	
(trans) 1,3-Dichloropropene	ND	0.0012	EPA 8260D	5-27-21	5-27-21	

Date of Report: June 1, 2021
Samples Submitted: May 19, 2021
Laboratory Reference: 2105-186
Project: 2032-012

VOLATILE ORGANICS EPA 8260D
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FMW-14-12**					
Laboratory ID:	05-186-02					
1,1,2-Trichloroethane	ND	0.0012	EPA 8260D	5-27-21	5-27-21	
Tetrachloroethene	ND	0.0012	EPA 8260D	5-27-21	5-27-21	
1,3-Dichloropropane	ND	0.0012	EPA 8260D	5-27-21	5-27-21	
Dibromochloromethane	ND	0.0012	EPA 8260D	5-27-21	5-27-21	
1,2-Dibromoethane	ND	0.0012	EPA 8260D	5-27-21	5-27-21	
Chlorobenzene	ND	0.0012	EPA 8260D	5-27-21	5-27-21	
1,1,1,2-Tetrachloroethane	ND	0.0012	EPA 8260D	5-27-21	5-27-21	
Bromoform	ND	0.0058	EPA 8260D	5-27-21	5-27-21	
Bromobenzene	ND	0.0012	EPA 8260D	5-27-21	5-27-21	
1,1,2,2-Tetrachloroethane	ND	0.0012	EPA 8260D	5-27-21	5-27-21	
1,2,3-Trichloropropane	ND	0.0012	EPA 8260D	5-27-21	5-27-21	
2-Chlorotoluene	ND	0.0012	EPA 8260D	5-27-21	5-27-21	
4-Chlorotoluene	ND	0.0012	EPA 8260D	5-27-21	5-27-21	
1,3-Dichlorobenzene	ND	0.0012	EPA 8260D	5-27-21	5-27-21	
1,4-Dichlorobenzene	ND	0.0012	EPA 8260D	5-27-21	5-27-21	
1,2-Dichlorobenzene	ND	0.0012	EPA 8260D	5-27-21	5-27-21	
1,2-Dibromo-3-chloropropane	ND	0.0058	EPA 8260D	5-27-21	5-27-21	
1,2,4-Trichlorobenzene	ND	0.0012	EPA 8260D	5-27-21	5-27-21	
Hexachlorobutadiene	ND	0.0058	EPA 8260D	5-27-21	5-27-21	
1,2,3-Trichlorobenzene	ND	0.0012	EPA 8260D	5-27-21	5-27-21	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*110*	*74-131*				
Toluene-d8	*100*	*78-128*				
4-Bromofluorobenzene	*100*	*71-130*				

Date of Report: June 1, 2021
Samples Submitted: May 19, 2021
Laboratory Reference: 2105-186
Project: 2032-012

VOLATILE ORGANICS EPA 8260D
page 1 of 2

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FMW-15-5**					
Laboratory ID:	05-186-04					
Dichlorodifluoromethane	ND	0.0010	EPA 8260D	5-27-21	5-27-21	
Chloromethane	ND	0.0051	EPA 8260D	5-27-21	5-27-21	
Vinyl Chloride	ND	0.0010	EPA 8260D	5-27-21	5-27-21	
Bromomethane	ND	0.0051	EPA 8260D	5-27-21	5-27-21	
Chloroethane	ND	0.0051	EPA 8260D	5-27-21	5-27-21	
Trichlorofluoromethane	ND	0.0010	EPA 8260D	5-27-21	5-27-21	
1,1-Dichloroethene	ND	0.0010	EPA 8260D	5-27-21	5-27-21	
Iodomethane	ND	0.0051	EPA 8260D	5-27-21	5-27-21	
Methylene Chloride	ND	0.0051	EPA 8260D	5-27-21	5-27-21	
(trans) 1,2-Dichloroethene	ND	0.0010	EPA 8260D	5-27-21	5-27-21	
1,1-Dichloroethane	ND	0.0010	EPA 8260D	5-27-21	5-27-21	
2,2-Dichloropropane	ND	0.0010	EPA 8260D	5-27-21	5-27-21	
(cis) 1,2-Dichloroethene	ND	0.0010	EPA 8260D	5-27-21	5-27-21	
Bromochloromethane	ND	0.0010	EPA 8260D	5-27-21	5-27-21	
Chloroform	ND	0.0010	EPA 8260D	5-27-21	5-27-21	
1,1,1-Trichloroethane	ND	0.0010	EPA 8260D	5-27-21	5-27-21	
Carbon Tetrachloride	ND	0.0010	EPA 8260D	5-27-21	5-27-21	
1,1-Dichloropropene	ND	0.0010	EPA 8260D	5-27-21	5-27-21	
1,2-Dichloroethane	ND	0.0010	EPA 8260D	5-27-21	5-27-21	
Trichloroethene	ND	0.0010	EPA 8260D	5-27-21	5-27-21	
1,2-Dichloropropane	ND	0.0010	EPA 8260D	5-27-21	5-27-21	
Dibromomethane	ND	0.0010	EPA 8260D	5-27-21	5-27-21	
Bromodichloromethane	ND	0.0010	EPA 8260D	5-27-21	5-27-21	
2-Chloroethyl Vinyl Ether	ND	0.0051	EPA 8260D	5-27-21	5-27-21	
(cis) 1,3-Dichloropropene	ND	0.0010	EPA 8260D	5-27-21	5-27-21	
(trans) 1,3-Dichloropropene	ND	0.0010	EPA 8260D	5-27-21	5-27-21	

Date of Report: June 1, 2021
Samples Submitted: May 19, 2021
Laboratory Reference: 2105-186
Project: 2032-012

VOLATILE ORGANICS EPA 8260D
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FMW-15-5**					
Laboratory ID:	05-186-04					
1,1,2-Trichloroethane	ND	0.0010	EPA 8260D	5-27-21	5-27-21	
Tetrachloroethene	0.0023	0.0010	EPA 8260D	5-27-21	5-27-21	
1,3-Dichloropropane	ND	0.0010	EPA 8260D	5-27-21	5-27-21	
Dibromochloromethane	ND	0.0010	EPA 8260D	5-27-21	5-27-21	
1,2-Dibromoethane	ND	0.0010	EPA 8260D	5-27-21	5-27-21	
Chlorobenzene	ND	0.0010	EPA 8260D	5-27-21	5-27-21	
1,1,1,2-Tetrachloroethane	ND	0.0010	EPA 8260D	5-27-21	5-27-21	
Bromoform	ND	0.0051	EPA 8260D	5-27-21	5-27-21	
Bromobenzene	ND	0.0010	EPA 8260D	5-27-21	5-27-21	
1,1,2,2-Tetrachloroethane	ND	0.0010	EPA 8260D	5-27-21	5-27-21	
1,2,3-Trichloropropane	ND	0.0010	EPA 8260D	5-27-21	5-27-21	
2-Chlorotoluene	ND	0.0010	EPA 8260D	5-27-21	5-27-21	
4-Chlorotoluene	ND	0.0010	EPA 8260D	5-27-21	5-27-21	
1,3-Dichlorobenzene	ND	0.0010	EPA 8260D	5-27-21	5-27-21	
1,4-Dichlorobenzene	ND	0.0010	EPA 8260D	5-27-21	5-27-21	
1,2-Dichlorobenzene	ND	0.0010	EPA 8260D	5-27-21	5-27-21	
1,2-Dibromo-3-chloropropane	ND	0.0051	EPA 8260D	5-27-21	5-27-21	
1,2,4-Trichlorobenzene	ND	0.0010	EPA 8260D	5-27-21	5-27-21	
Hexachlorobutadiene	ND	0.0051	EPA 8260D	5-27-21	5-27-21	
1,2,3-Trichlorobenzene	ND	0.0010	EPA 8260D	5-27-21	5-27-21	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*102*	*74-131*				
Toluene-d8	*99*	*78-128*				
4-Bromofluorobenzene	*99*	*71-130*				

Date of Report: June 1, 2021
Samples Submitted: May 19, 2021
Laboratory Reference: 2105-186
Project: 2032-012

VOLATILE ORGANICS EPA 8260D
page 1 of 2

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FMW-15-10**					
Laboratory ID:	05-186-05					
Dichlorodifluoromethane	ND	0.0012	EPA 8260D	5-27-21	5-27-21	
Chloromethane	ND	0.0060	EPA 8260D	5-27-21	5-27-21	
Vinyl Chloride	ND	0.0012	EPA 8260D	5-27-21	5-27-21	
Bromomethane	ND	0.0060	EPA 8260D	5-27-21	5-27-21	
Chloroethane	ND	0.0060	EPA 8260D	5-27-21	5-27-21	
Trichlorofluoromethane	ND	0.0012	EPA 8260D	5-27-21	5-27-21	
1,1-Dichloroethene	ND	0.0012	EPA 8260D	5-27-21	5-27-21	
Iodomethane	ND	0.0060	EPA 8260D	5-27-21	5-27-21	
Methylene Chloride	ND	0.0060	EPA 8260D	5-27-21	5-27-21	
(trans) 1,2-Dichloroethene	ND	0.0012	EPA 8260D	5-27-21	5-27-21	
1,1-Dichloroethane	ND	0.0012	EPA 8260D	5-27-21	5-27-21	
2,2-Dichloropropane	ND	0.0012	EPA 8260D	5-27-21	5-27-21	
(cis) 1,2-Dichloroethene	ND	0.0012	EPA 8260D	5-27-21	5-27-21	
Bromochloromethane	ND	0.0012	EPA 8260D	5-27-21	5-27-21	
Chloroform	ND	0.0012	EPA 8260D	5-27-21	5-27-21	
1,1,1-Trichloroethane	ND	0.0012	EPA 8260D	5-27-21	5-27-21	
Carbon Tetrachloride	ND	0.0012	EPA 8260D	5-27-21	5-27-21	
1,1-Dichloropropene	ND	0.0012	EPA 8260D	5-27-21	5-27-21	
1,2-Dichloroethane	ND	0.0012	EPA 8260D	5-27-21	5-27-21	
Trichloroethene	ND	0.0012	EPA 8260D	5-27-21	5-27-21	
1,2-Dichloropropane	ND	0.0012	EPA 8260D	5-27-21	5-27-21	
Dibromomethane	ND	0.0012	EPA 8260D	5-27-21	5-27-21	
Bromodichloromethane	ND	0.0012	EPA 8260D	5-27-21	5-27-21	
2-Chloroethyl Vinyl Ether	ND	0.0060	EPA 8260D	5-27-21	5-27-21	
(cis) 1,3-Dichloropropene	ND	0.0012	EPA 8260D	5-27-21	5-27-21	
(trans) 1,3-Dichloropropene	ND	0.0012	EPA 8260D	5-27-21	5-27-21	

Date of Report: June 1, 2021
Samples Submitted: May 19, 2021
Laboratory Reference: 2105-186
Project: 2032-012

VOLATILE ORGANICS EPA 8260D
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FMW-15-10**					
Laboratory ID:	05-186-05					
1,1,2-Trichloroethane	ND	0.0012	EPA 8260D	5-27-21	5-27-21	
Tetrachloroethene	ND	0.0012	EPA 8260D	5-27-21	5-27-21	
1,3-Dichloropropane	ND	0.0012	EPA 8260D	5-27-21	5-27-21	
Dibromochloromethane	ND	0.0012	EPA 8260D	5-27-21	5-27-21	
1,2-Dibromoethane	ND	0.0012	EPA 8260D	5-27-21	5-27-21	
Chlorobenzene	ND	0.0012	EPA 8260D	5-27-21	5-27-21	
1,1,1,2-Tetrachloroethane	ND	0.0012	EPA 8260D	5-27-21	5-27-21	
Bromoform	ND	0.0060	EPA 8260D	5-27-21	5-27-21	
Bromobenzene	ND	0.0012	EPA 8260D	5-27-21	5-27-21	
1,1,2,2-Tetrachloroethane	ND	0.0012	EPA 8260D	5-27-21	5-27-21	
1,2,3-Trichloropropane	ND	0.0012	EPA 8260D	5-27-21	5-27-21	
2-Chlorotoluene	ND	0.0012	EPA 8260D	5-27-21	5-27-21	
4-Chlorotoluene	ND	0.0012	EPA 8260D	5-27-21	5-27-21	
1,3-Dichlorobenzene	ND	0.0012	EPA 8260D	5-27-21	5-27-21	
1,4-Dichlorobenzene	ND	0.0012	EPA 8260D	5-27-21	5-27-21	
1,2-Dichlorobenzene	ND	0.0012	EPA 8260D	5-27-21	5-27-21	
1,2-Dibromo-3-chloropropane	ND	0.0060	EPA 8260D	5-27-21	5-27-21	
1,2,4-Trichlorobenzene	ND	0.0012	EPA 8260D	5-27-21	5-27-21	
Hexachlorobutadiene	ND	0.0060	EPA 8260D	5-27-21	5-27-21	
1,2,3-Trichlorobenzene	ND	0.0012	EPA 8260D	5-27-21	5-27-21	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*105*	*74-131*				
Toluene-d8	*102*	*78-128*				
4-Bromofluorobenzene	*103*	*71-130*				

Date of Report: June 1, 2021
Samples Submitted: May 19, 2021
Laboratory Reference: 2105-186
Project: 2032-012

VOLATILE ORGANICS EPA 8260D
QUALITY CONTROL
page 1 of 2

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0527S1					
Dichlorodifluoromethane	ND	0.0010	EPA 8260D	5-27-21	5-27-21	
Chloromethane	ND	0.0050	EPA 8260D	5-27-21	5-27-21	
Vinyl Chloride	ND	0.0010	EPA 8260D	5-27-21	5-27-21	
Bromomethane	ND	0.0050	EPA 8260D	5-27-21	5-27-21	
Chloroethane	ND	0.0050	EPA 8260D	5-27-21	5-27-21	
Trichlorofluoromethane	ND	0.0010	EPA 8260D	5-27-21	5-27-21	
1,1-Dichloroethene	ND	0.0010	EPA 8260D	5-27-21	5-27-21	
Iodomethane	ND	0.0050	EPA 8260D	5-27-21	5-27-21	
Methylene Chloride	ND	0.0050	EPA 8260D	5-27-21	5-27-21	
(trans) 1,2-Dichloroethene	ND	0.0010	EPA 8260D	5-27-21	5-27-21	
1,1-Dichloroethane	ND	0.0010	EPA 8260D	5-27-21	5-27-21	
2,2-Dichloropropane	ND	0.0010	EPA 8260D	5-27-21	5-27-21	
(cis) 1,2-Dichloroethene	ND	0.0010	EPA 8260D	5-27-21	5-27-21	
Bromochloromethane	ND	0.0010	EPA 8260D	5-27-21	5-27-21	
Chloroform	ND	0.0010	EPA 8260D	5-27-21	5-27-21	
1,1,1-Trichloroethane	ND	0.0010	EPA 8260D	5-27-21	5-27-21	
Carbon Tetrachloride	ND	0.0010	EPA 8260D	5-27-21	5-27-21	
1,1-Dichloropropene	ND	0.0010	EPA 8260D	5-27-21	5-27-21	
1,2-Dichloroethane	ND	0.0010	EPA 8260D	5-27-21	5-27-21	
Trichloroethene	ND	0.0010	EPA 8260D	5-27-21	5-27-21	
1,2-Dichloropropane	ND	0.0010	EPA 8260D	5-27-21	5-27-21	
Dibromomethane	ND	0.0010	EPA 8260D	5-27-21	5-27-21	
Bromodichloromethane	ND	0.0010	EPA 8260D	5-27-21	5-27-21	
2-Chloroethyl Vinyl Ether	ND	0.0050	EPA 8260D	5-27-21	5-27-21	
(cis) 1,3-Dichloropropene	ND	0.0010	EPA 8260D	5-27-21	5-27-21	
(trans) 1,3-Dichloropropene	ND	0.0010	EPA 8260D	5-27-21	5-27-21	

Date of Report: June 1, 2021
Samples Submitted: May 19, 2021
Laboratory Reference: 2105-186
Project: 2032-012

VOLATILE ORGANICS EPA 8260D
QUALITY CONTROL
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0527S1					
1,1,2-Trichloroethane	ND	0.0010	EPA 8260D	5-27-21	5-27-21	
Tetrachloroethene	ND	0.0010	EPA 8260D	5-27-21	5-27-21	
1,3-Dichloropropane	ND	0.0010	EPA 8260D	5-27-21	5-27-21	
Dibromochloromethane	ND	0.0010	EPA 8260D	5-27-21	5-27-21	
1,2-Dibromoethane	ND	0.0010	EPA 8260D	5-27-21	5-27-21	
Chlorobenzene	ND	0.0010	EPA 8260D	5-27-21	5-27-21	
1,1,1,2-Tetrachloroethane	ND	0.0010	EPA 8260D	5-27-21	5-27-21	
Bromoform	ND	0.0050	EPA 8260D	5-27-21	5-27-21	
Bromobenzene	ND	0.0010	EPA 8260D	5-27-21	5-27-21	
1,1,2,2-Tetrachloroethane	ND	0.0010	EPA 8260D	5-27-21	5-27-21	
1,2,3-Trichloropropane	ND	0.0010	EPA 8260D	5-27-21	5-27-21	
2-Chlorotoluene	ND	0.0010	EPA 8260D	5-27-21	5-27-21	
4-Chlorotoluene	ND	0.0010	EPA 8260D	5-27-21	5-27-21	
1,3-Dichlorobenzene	ND	0.0010	EPA 8260D	5-27-21	5-27-21	
1,4-Dichlorobenzene	ND	0.0010	EPA 8260D	5-27-21	5-27-21	
1,2-Dichlorobenzene	ND	0.0010	EPA 8260D	5-27-21	5-27-21	
1,2-Dibromo-3-chloropropane	ND	0.0050	EPA 8260D	5-27-21	5-27-21	
1,2,4-Trichlorobenzene	ND	0.0010	EPA 8260D	5-27-21	5-27-21	
Hexachlorobutadiene	ND	0.0050	EPA 8260D	5-27-21	5-27-21	
1,2,3-Trichlorobenzene	ND	0.0010	EPA 8260D	5-27-21	5-27-21	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*103*	*74-131*				
Toluene-d8	*100*	*78-128*				
4-Bromofluorobenzene	*103*	*71-130*				

Date of Report: June 1, 2021
Samples Submitted: May 19, 2021
Laboratory Reference: 2105-186
Project: 2032-012

VOLATILE ORGANICS EPA 8260D
QUALITY CONTROL

Matrix: Soil
Units: mg/kg

Analyte	Result		Spike Level		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB0527S1									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	**0.0522**	**0.0503**	0.0500	0.0500	104	101	71-131	4	19	
Benzene	**0.0512**	**0.0511**	0.0500	0.0500	102	102	73-124	0	18	
Trichloroethene	**0.0546**	**0.0566**	0.0500	0.0500	109	113	79-130	4	18	
Toluene	**0.0517**	**0.0525**	0.0500	0.0500	103	105	76-123	2	18	
Chlorobenzene	**0.0512**	**0.0533**	0.0500	0.0500	102	107	78-122	4	18	
Surrogate:										
Dibromofluoromethane					*101*	*98*	*74-131*			
Toluene-d8					*101*	*102*	*78-128*			
4-Bromofluorobenzene					*100*	*100*	*71-130*			

Date of Report: June 1, 2021
Samples Submitted: May 19, 2021
Laboratory Reference: 2105-186
Project: 2032-012

% MOISTURE

Client ID	Lab ID	% Moisture	Date Analyzed
FMW-14-6	05-186-01	**15**	5-27-21
FMW-14-12	05-186-02	**27**	5-27-21
FMW-15-5	05-186-04	**18**	5-27-21
FMW-15-10	05-186-05	**30**	5-27-21

OnSite Environmental Inc.

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

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

Company: Farallon Consulting
Project Number: 2032-012
Project Name: 68th Avenue South
Project Manager: P. Kingston
Sampled by: G. McKenney

Turnaround Request (in working days)
(Check One)
☐ Same Day ☐ 1 Day
☐ 2 Days ☐ 3 Days
☒ Standard (7 Days)
☒ ~~HOLD~~ DJ (other)

Laboratory Number: 05-186

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx (☐ Acid / SG Clean-up)	Volatiles 8260D	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	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664A					% Moisture
1	FMW-14-6	5/19/21	0905	SOIL	4						X																X
2	FMW-14-12		0915								X																X
3	FMW-14-18		0920																								
4	FMW-15-5		1145								X																X
5	FMW-15-10		1150								X																X
6	FMW-15-14		1200																								
7	FMW-15-20		1205																								

GW

	Signature	Company	Date	Time
Relinquished		FLN	5/19/21	1715
Received		CORE	5/19/21	1715
Relinquished				
Received				
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions
~~HOLD for PH analysis request~~
X - Added 5/27/21. DJ (STO)

Data Package: Standard ☐ Level III ☐ Level IV ☐
Chromatograms with final report ☐ Electronic Data Deliverables (EDDs) ☐

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

June 1, 2021

Pete Kingston
Farallon Consulting
1809 7th Avenue, Suite 1111
Seattle, WA 98101

Re: Analytical Data for Project 2032-012
Laboratory Reference No. 2105-188

Dear Pete:

Enclosed are the analytical results and associated quality control data for samples submitted on May 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

Date of Report: June 1, 2021
Samples Submitted: May 19, 2021
Laboratory Reference: 2105-188
Project: 2032-012

Case Narrative

Samples were collected on May 19, 2021 and received by the laboratory on May 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.

Date of Report: June 1, 2021
Samples Submitted: May 19, 2021
Laboratory Reference: 2105-188
Project: 2032-012

VOLATILE ORGANICS EPA 8260D
page 1 of 2

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**F-31-5**					
Laboratory ID:	05-188-01					
Dichlorodifluoromethane	ND	0.0013	EPA 8260D	5-27-21	5-27-21	
Chloromethane	ND	0.0065	EPA 8260D	5-27-21	5-27-21	
Vinyl Chloride	ND	0.0013	EPA 8260D	5-27-21	5-27-21	
Bromomethane	ND	0.0065	EPA 8260D	5-27-21	5-27-21	
Chloroethane	ND	0.0065	EPA 8260D	5-27-21	5-27-21	
Trichlorofluoromethane	ND	0.0013	EPA 8260D	5-27-21	5-27-21	
1,1-Dichloroethene	ND	0.0013	EPA 8260D	5-27-21	5-27-21	
Iodomethane	ND	0.0065	EPA 8260D	5-27-21	5-27-21	
Methylene Chloride	ND	0.0065	EPA 8260D	5-27-21	5-27-21	
(trans) 1,2-Dichloroethene	ND	0.0013	EPA 8260D	5-27-21	5-27-21	
1,1-Dichloroethane	ND	0.0013	EPA 8260D	5-27-21	5-27-21	
2,2-Dichloropropane	ND	0.0013	EPA 8260D	5-27-21	5-27-21	
(cis) 1,2-Dichloroethene	ND	0.0013	EPA 8260D	5-27-21	5-27-21	
Bromochloromethane	ND	0.0013	EPA 8260D	5-27-21	5-27-21	
Chloroform	ND	0.0013	EPA 8260D	5-27-21	5-27-21	
1,1,1-Trichloroethane	ND	0.0013	EPA 8260D	5-27-21	5-27-21	
Carbon Tetrachloride	ND	0.0013	EPA 8260D	5-27-21	5-27-21	
1,1-Dichloropropene	ND	0.0013	EPA 8260D	5-27-21	5-27-21	
1,2-Dichloroethane	ND	0.0013	EPA 8260D	5-27-21	5-27-21	
Trichloroethene	ND	0.0013	EPA 8260D	5-27-21	5-27-21	
1,2-Dichloropropane	ND	0.0013	EPA 8260D	5-27-21	5-27-21	
Dibromomethane	ND	0.0013	EPA 8260D	5-27-21	5-27-21	
Bromodichloromethane	ND	0.0013	EPA 8260D	5-27-21	5-27-21	
2-Chloroethyl Vinyl Ether	ND	0.0065	EPA 8260D	5-27-21	5-27-21	
(cis) 1,3-Dichloropropene	ND	0.0013	EPA 8260D	5-27-21	5-27-21	
(trans) 1,3-Dichloropropene	ND	0.0013	EPA 8260D	5-27-21	5-27-21	

Date of Report: June 1, 2021
Samples Submitted: May 19, 2021
Laboratory Reference: 2105-188
Project: 2032-012

VOLATILE ORGANICS EPA 8260D
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**F-31-5**					
Laboratory ID:	05-188-01					
1,1,2-Trichloroethane	ND	0.0013	EPA 8260D	5-27-21	5-27-21	
Tetrachloroethene	ND	0.0013	EPA 8260D	5-27-21	5-27-21	
1,3-Dichloropropane	ND	0.0013	EPA 8260D	5-27-21	5-27-21	
Dibromochloromethane	ND	0.0013	EPA 8260D	5-27-21	5-27-21	
1,2-Dibromoethane	ND	0.0013	EPA 8260D	5-27-21	5-27-21	
Chlorobenzene	ND	0.0013	EPA 8260D	5-27-21	5-27-21	
1,1,1,2-Tetrachloroethane	ND	0.0013	EPA 8260D	5-27-21	5-27-21	
Bromoform	ND	0.0065	EPA 8260D	5-27-21	5-27-21	
Bromobenzene	ND	0.0013	EPA 8260D	5-27-21	5-27-21	
1,1,2,2-Tetrachloroethane	ND	0.0013	EPA 8260D	5-27-21	5-27-21	
1,2,3-Trichloropropane	ND	0.0013	EPA 8260D	5-27-21	5-27-21	
2-Chlorotoluene	ND	0.0013	EPA 8260D	5-27-21	5-27-21	
4-Chlorotoluene	ND	0.0013	EPA 8260D	5-27-21	5-27-21	
1,3-Dichlorobenzene	ND	0.0013	EPA 8260D	5-27-21	5-27-21	
1,4-Dichlorobenzene	ND	0.0013	EPA 8260D	5-27-21	5-27-21	
1,2-Dichlorobenzene	ND	0.0013	EPA 8260D	5-27-21	5-27-21	
1,2-Dibromo-3-chloropropane	ND	0.0065	EPA 8260D	5-27-21	5-27-21	
1,2,4-Trichlorobenzene	ND	0.0013	EPA 8260D	5-27-21	5-27-21	
Hexachlorobutadiene	ND	0.0065	EPA 8260D	5-27-21	5-27-21	
1,2,3-Trichlorobenzene	ND	0.0013	EPA 8260D	5-27-21	5-27-21	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*100*	*74-131*				
Toluene-d8	*101*	*78-128*				
4-Bromofluorobenzene	*102*	*71-130*				

Date of Report: June 1, 2021
Samples Submitted: May 19, 2021
Laboratory Reference: 2105-188
Project: 2032-012

VOLATILE ORGANICS EPA 8260D
page 1 of 2

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**F-31-10**					
Laboratory ID:	05-188-02					
Dichlorodifluoromethane	ND	0.0012	EPA 8260D	5-27-21	5-27-21	
Chloromethane	ND	0.0062	EPA 8260D	5-27-21	5-27-21	
Vinyl Chloride	ND	0.0012	EPA 8260D	5-27-21	5-27-21	
Bromomethane	ND	0.0062	EPA 8260D	5-27-21	5-27-21	
Chloroethane	ND	0.0062	EPA 8260D	5-27-21	5-27-21	
Trichlorofluoromethane	ND	0.0012	EPA 8260D	5-27-21	5-27-21	
1,1-Dichloroethene	ND	0.0012	EPA 8260D	5-27-21	5-27-21	
Iodomethane	ND	0.0062	EPA 8260D	5-27-21	5-27-21	
Methylene Chloride	ND	0.0062	EPA 8260D	5-27-21	5-27-21	
(trans) 1,2-Dichloroethene	ND	0.0012	EPA 8260D	5-27-21	5-27-21	
1,1-Dichloroethane	ND	0.0012	EPA 8260D	5-27-21	5-27-21	
2,2-Dichloropropane	ND	0.0012	EPA 8260D	5-27-21	5-27-21	
(cis) 1,2-Dichloroethene	ND	0.0012	EPA 8260D	5-27-21	5-27-21	
Bromochloromethane	ND	0.0012	EPA 8260D	5-27-21	5-27-21	
Chloroform	ND	0.0012	EPA 8260D	5-27-21	5-27-21	
1,1,1-Trichloroethane	ND	0.0012	EPA 8260D	5-27-21	5-27-21	
Carbon Tetrachloride	ND	0.0012	EPA 8260D	5-27-21	5-27-21	
1,1-Dichloropropene	ND	0.0012	EPA 8260D	5-27-21	5-27-21	
1,2-Dichloroethane	ND	0.0012	EPA 8260D	5-27-21	5-27-21	
Trichloroethene	0.013	0.0012	EPA 8260D	5-27-21	5-27-21	
1,2-Dichloropropane	ND	0.0012	EPA 8260D	5-27-21	5-27-21	
Dibromomethane	ND	0.0012	EPA 8260D	5-27-21	5-27-21	
Bromodichloromethane	ND	0.0012	EPA 8260D	5-27-21	5-27-21	
2-Chloroethyl Vinyl Ether	ND	0.0062	EPA 8260D	5-27-21	5-27-21	
(cis) 1,3-Dichloropropene	ND	0.0012	EPA 8260D	5-27-21	5-27-21	
(trans) 1,3-Dichloropropene	ND	0.0012	EPA 8260D	5-27-21	5-27-21	

Date of Report: June 1, 2021
Samples Submitted: May 19, 2021
Laboratory Reference: 2105-188
Project: 2032-012

VOLATILE ORGANICS EPA 8260D
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**F-31-10**					
Laboratory ID:	05-188-02					
1,1,2-Trichloroethane	ND	0.0012	EPA 8260D	5-27-21	5-27-21	
Tetrachloroethene	ND	0.0012	EPA 8260D	5-27-21	5-27-21	
1,3-Dichloropropane	ND	0.0012	EPA 8260D	5-27-21	5-27-21	
Dibromochloromethane	ND	0.0012	EPA 8260D	5-27-21	5-27-21	
1,2-Dibromoethane	ND	0.0012	EPA 8260D	5-27-21	5-27-21	
Chlorobenzene	ND	0.0012	EPA 8260D	5-27-21	5-27-21	
1,1,1,2-Tetrachloroethane	ND	0.0012	EPA 8260D	5-27-21	5-27-21	
Bromoform	ND	0.0062	EPA 8260D	5-27-21	5-27-21	
Bromobenzene	ND	0.0012	EPA 8260D	5-27-21	5-27-21	
1,1,2,2-Tetrachloroethane	ND	0.0012	EPA 8260D	5-27-21	5-27-21	
1,2,3-Trichloropropane	ND	0.0012	EPA 8260D	5-27-21	5-27-21	
2-Chlorotoluene	ND	0.0012	EPA 8260D	5-27-21	5-27-21	
4-Chlorotoluene	ND	0.0012	EPA 8260D	5-27-21	5-27-21	
1,3-Dichlorobenzene	ND	0.0012	EPA 8260D	5-27-21	5-27-21	
1,4-Dichlorobenzene	ND	0.0012	EPA 8260D	5-27-21	5-27-21	
1,2-Dichlorobenzene	ND	0.0012	EPA 8260D	5-27-21	5-27-21	
1,2-Dibromo-3-chloropropane	ND	0.0062	EPA 8260D	5-27-21	5-27-21	
1,2,4-Trichlorobenzene	ND	0.0012	EPA 8260D	5-27-21	5-27-21	
Hexachlorobutadiene	ND	0.0062	EPA 8260D	5-27-21	5-27-21	
1,2,3-Trichlorobenzene	ND	0.0012	EPA 8260D	5-27-21	5-27-21	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*102*	*74-131*				
Toluene-d8	*100*	*78-128*				
4-Bromofluorobenzene	*103*	*71-130*				

Date of Report: June 1, 2021
Samples Submitted: May 19, 2021
Laboratory Reference: 2105-188
Project: 2032-012

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Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**F-31-12**					
Laboratory ID:	05-188-03					
Dichlorodifluoromethane	ND	0.0013	EPA 8260D	5-27-21	5-27-21	
Chloromethane	ND	0.0066	EPA 8260D	5-27-21	5-27-21	
Vinyl Chloride	0.026	0.0013	EPA 8260D	5-27-21	5-27-21	
Bromomethane	ND	0.0066	EPA 8260D	5-27-21	5-27-21	
Chloroethane	ND	0.0066	EPA 8260D	5-27-21	5-27-21	
Trichlorofluoromethane	ND	0.0013	EPA 8260D	5-27-21	5-27-21	
1,1-Dichloroethene	ND	0.0013	EPA 8260D	5-27-21	5-27-21	
Iodomethane	ND	0.0066	EPA 8260D	5-27-21	5-27-21	
Methylene Chloride	ND	0.0066	EPA 8260D	5-27-21	5-27-21	
(trans) 1,2-Dichloroethene	0.0092	0.0013	EPA 8260D	5-27-21	5-27-21	
1,1-Dichloroethane	ND	0.0013	EPA 8260D	5-27-21	5-27-21	
2,2-Dichloropropane	ND	0.0013	EPA 8260D	5-27-21	5-27-21	
(cis) 1,2-Dichloroethene	0.21	0.0013	EPA 8260D	5-27-21	5-27-21	
Bromochloromethane	ND	0.0013	EPA 8260D	5-27-21	5-27-21	
Chloroform	ND	0.0013	EPA 8260D	5-27-21	5-27-21	
1,1,1-Trichloroethane	ND	0.0013	EPA 8260D	5-27-21	5-27-21	
Carbon Tetrachloride	ND	0.0013	EPA 8260D	5-27-21	5-27-21	
1,1-Dichloropropene	ND	0.0013	EPA 8260D	5-27-21	5-27-21	
1,2-Dichloroethane	ND	0.0013	EPA 8260D	5-27-21	5-27-21	
Trichloroethene	ND	0.0013	EPA 8260D	5-27-21	5-27-21	
1,2-Dichloropropane	ND	0.0013	EPA 8260D	5-27-21	5-27-21	
Dibromomethane	ND	0.0013	EPA 8260D	5-27-21	5-27-21	
Bromodichloromethane	ND	0.0013	EPA 8260D	5-27-21	5-27-21	
2-Chloroethyl Vinyl Ether	ND	0.0066	EPA 8260D	5-27-21	5-27-21	
(cis) 1,3-Dichloropropene	ND	0.0013	EPA 8260D	5-27-21	5-27-21	
(trans) 1,3-Dichloropropene	ND	0.0013	EPA 8260D	5-27-21	5-27-21	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**F-31-12**					
Laboratory ID:	05-188-03					
1,1,2-Trichloroethane	ND	0.0013	EPA 8260D	5-27-21	5-27-21	
Tetrachloroethene	ND	0.0013	EPA 8260D	5-27-21	5-27-21	
1,3-Dichloropropane	ND	0.0013	EPA 8260D	5-27-21	5-27-21	
Dibromochloromethane	ND	0.0013	EPA 8260D	5-27-21	5-27-21	
1,2-Dibromoethane	ND	0.0013	EPA 8260D	5-27-21	5-27-21	
Chlorobenzene	ND	0.0013	EPA 8260D	5-27-21	5-27-21	
1,1,1,2-Tetrachloroethane	ND	0.0013	EPA 8260D	5-27-21	5-27-21	
Bromoform	ND	0.0066	EPA 8260D	5-27-21	5-27-21	
Bromobenzene	ND	0.0013	EPA 8260D	5-27-21	5-27-21	
1,1,2,2-Tetrachloroethane	ND	0.0013	EPA 8260D	5-27-21	5-27-21	
1,2,3-Trichloropropane	ND	0.0013	EPA 8260D	5-27-21	5-27-21	
2-Chlorotoluene	ND	0.0013	EPA 8260D	5-27-21	5-27-21	
4-Chlorotoluene	ND	0.0013	EPA 8260D	5-27-21	5-27-21	
1,3-Dichlorobenzene	ND	0.0013	EPA 8260D	5-27-21	5-27-21	
1,4-Dichlorobenzene	ND	0.0013	EPA 8260D	5-27-21	5-27-21	
1,2-Dichlorobenzene	ND	0.0013	EPA 8260D	5-27-21	5-27-21	
1,2-Dibromo-3-chloropropane	ND	0.0066	EPA 8260D	5-27-21	5-27-21	
1,2,4-Trichlorobenzene	ND	0.0013	EPA 8260D	5-27-21	5-27-21	
Hexachlorobutadiene	ND	0.0066	EPA 8260D	5-27-21	5-27-21	
1,2,3-Trichlorobenzene	ND	0.0013	EPA 8260D	5-27-21	5-27-21	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*105*	*74-131*				
Toluene-d8	*102*	*78-128*				
4-Bromofluorobenzene	*101*	*71-130*				

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Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**F-31-15**					
Laboratory ID:	05-188-04					
Dichlorodifluoromethane	ND	0.0010	EPA 8260D	5-27-21	5-27-21	
Chloromethane	ND	0.0051	EPA 8260D	5-27-21	5-27-21	
Vinyl Chloride	0.010	0.0010	EPA 8260D	5-27-21	5-27-21	
Bromomethane	ND	0.0051	EPA 8260D	5-27-21	5-27-21	
Chloroethane	ND	0.0051	EPA 8260D	5-27-21	5-27-21	
Trichlorofluoromethane	ND	0.0010	EPA 8260D	5-27-21	5-27-21	
1,1-Dichloroethene	ND	0.0010	EPA 8260D	5-27-21	5-27-21	
Iodomethane	ND	0.0051	EPA 8260D	5-27-21	5-27-21	
Methylene Chloride	ND	0.0051	EPA 8260D	5-27-21	5-27-21	
(trans) 1,2-Dichloroethene	0.0050	0.0010	EPA 8260D	5-27-21	5-27-21	
1,1-Dichloroethane	ND	0.0010	EPA 8260D	5-27-21	5-27-21	
2,2-Dichloropropane	ND	0.0010	EPA 8260D	5-27-21	5-27-21	
(cis) 1,2-Dichloroethene	0.091	0.0010	EPA 8260D	5-27-21	5-27-21	
Bromochloromethane	ND	0.0010	EPA 8260D	5-27-21	5-27-21	
Chloroform	ND	0.0010	EPA 8260D	5-27-21	5-27-21	
1,1,1-Trichloroethane	ND	0.0010	EPA 8260D	5-27-21	5-27-21	
Carbon Tetrachloride	ND	0.0010	EPA 8260D	5-27-21	5-27-21	
1,1-Dichloropropene	ND	0.0010	EPA 8260D	5-27-21	5-27-21	
1,2-Dichloroethane	ND	0.0010	EPA 8260D	5-27-21	5-27-21	
Trichloroethene	0.0038	0.0010	EPA 8260D	5-27-21	5-27-21	
1,2-Dichloropropane	ND	0.0010	EPA 8260D	5-27-21	5-27-21	
Dibromomethane	ND	0.0010	EPA 8260D	5-27-21	5-27-21	
Bromodichloromethane	ND	0.0010	EPA 8260D	5-27-21	5-27-21	
2-Chloroethyl Vinyl Ether	ND	0.0051	EPA 8260D	5-27-21	5-27-21	
(cis) 1,3-Dichloropropene	ND	0.0010	EPA 8260D	5-27-21	5-27-21	
(trans) 1,3-Dichloropropene	ND	0.0010	EPA 8260D	5-27-21	5-27-21	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**F-31-15**					
Laboratory ID:	05-188-04					
1,1,2-Trichloroethane	ND	0.0010	EPA 8260D	5-27-21	5-27-21	
Tetrachloroethene	ND	0.0010	EPA 8260D	5-27-21	5-27-21	
1,3-Dichloropropane	ND	0.0010	EPA 8260D	5-27-21	5-27-21	
Dibromochloromethane	ND	0.0010	EPA 8260D	5-27-21	5-27-21	
1,2-Dibromoethane	ND	0.0010	EPA 8260D	5-27-21	5-27-21	
Chlorobenzene	ND	0.0010	EPA 8260D	5-27-21	5-27-21	
1,1,1,2-Tetrachloroethane	ND	0.0010	EPA 8260D	5-27-21	5-27-21	
Bromoform	ND	0.0051	EPA 8260D	5-27-21	5-27-21	
Bromobenzene	ND	0.0010	EPA 8260D	5-27-21	5-27-21	
1,1,2,2-Tetrachloroethane	ND	0.0010	EPA 8260D	5-27-21	5-27-21	
1,2,3-Trichloropropane	ND	0.0010	EPA 8260D	5-27-21	5-27-21	
2-Chlorotoluene	ND	0.0010	EPA 8260D	5-27-21	5-27-21	
4-Chlorotoluene	ND	0.0010	EPA 8260D	5-27-21	5-27-21	
1,3-Dichlorobenzene	ND	0.0010	EPA 8260D	5-27-21	5-27-21	
1,4-Dichlorobenzene	ND	0.0010	EPA 8260D	5-27-21	5-27-21	
1,2-Dichlorobenzene	ND	0.0010	EPA 8260D	5-27-21	5-27-21	
1,2-Dibromo-3-chloropropane	ND	0.0051	EPA 8260D	5-27-21	5-27-21	
1,2,4-Trichlorobenzene	ND	0.0010	EPA 8260D	5-27-21	5-27-21	
Hexachlorobutadiene	ND	0.0051	EPA 8260D	5-27-21	5-27-21	
1,2,3-Trichlorobenzene	ND	0.0010	EPA 8260D	5-27-21	5-27-21	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*107*	*74-131*				
Toluene-d8	*102*	*78-128*				
4-Bromofluorobenzene	*103*	*71-130*				

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Samples Submitted: May 19, 2021
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Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**F-31-19.5**					
Laboratory ID:	05-188-05					
Dichlorodifluoromethane	ND	0.0011	EPA 8260D	5-27-21	5-27-21	
Chloromethane	ND	0.0055	EPA 8260D	5-27-21	5-27-21	
Vinyl Chloride	ND	0.0011	EPA 8260D	5-27-21	5-27-21	
Bromomethane	ND	0.0055	EPA 8260D	5-27-21	5-27-21	
Chloroethane	ND	0.0055	EPA 8260D	5-27-21	5-27-21	
Trichlorofluoromethane	ND	0.0011	EPA 8260D	5-27-21	5-27-21	
1,1-Dichloroethene	ND	0.0011	EPA 8260D	5-27-21	5-27-21	
Iodomethane	ND	0.0055	EPA 8260D	5-27-21	5-27-21	
Methylene Chloride	ND	0.0055	EPA 8260D	5-27-21	5-27-21	
(trans) 1,2-Dichloroethene	ND	0.0011	EPA 8260D	5-27-21	5-27-21	
1,1-Dichloroethane	ND	0.0011	EPA 8260D	5-27-21	5-27-21	
2,2-Dichloropropane	ND	0.0011	EPA 8260D	5-27-21	5-27-21	
(cis) 1,2-Dichloroethene	0.0029	0.0011	EPA 8260D	5-27-21	5-27-21	
Bromochloromethane	ND	0.0011	EPA 8260D	5-27-21	5-27-21	
Chloroform	ND	0.0011	EPA 8260D	5-27-21	5-27-21	
1,1,1-Trichloroethane	ND	0.0011	EPA 8260D	5-27-21	5-27-21	
Carbon Tetrachloride	ND	0.0011	EPA 8260D	5-27-21	5-27-21	
1,1-Dichloropropene	ND	0.0011	EPA 8260D	5-27-21	5-27-21	
1,2-Dichloroethane	ND	0.0011	EPA 8260D	5-27-21	5-27-21	
Trichloroethene	ND	0.0011	EPA 8260D	5-27-21	5-27-21	
1,2-Dichloropropane	ND	0.0011	EPA 8260D	5-27-21	5-27-21	
Dibromomethane	ND	0.0011	EPA 8260D	5-27-21	5-27-21	
Bromodichloromethane	ND	0.0011	EPA 8260D	5-27-21	5-27-21	
2-Chloroethyl Vinyl Ether	ND	0.0055	EPA 8260D	5-27-21	5-27-21	
(cis) 1,3-Dichloropropene	ND	0.0011	EPA 8260D	5-27-21	5-27-21	
(trans) 1,3-Dichloropropene	ND	0.0011	EPA 8260D	5-27-21	5-27-21	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**F-31-19.5**					
Laboratory ID:	05-188-05					
1,1,2-Trichloroethane	ND	0.0011	EPA 8260D	5-27-21	5-27-21	
Tetrachloroethene	ND	0.0011	EPA 8260D	5-27-21	5-27-21	
1,3-Dichloropropane	ND	0.0011	EPA 8260D	5-27-21	5-27-21	
Dibromochloromethane	ND	0.0011	EPA 8260D	5-27-21	5-27-21	
1,2-Dibromoethane	ND	0.0011	EPA 8260D	5-27-21	5-27-21	
Chlorobenzene	ND	0.0011	EPA 8260D	5-27-21	5-27-21	
1,1,1,2-Tetrachloroethane	ND	0.0011	EPA 8260D	5-27-21	5-27-21	
Bromoform	ND	0.0055	EPA 8260D	5-27-21	5-27-21	
Bromobenzene	ND	0.0011	EPA 8260D	5-27-21	5-27-21	
1,1,2,2-Tetrachloroethane	ND	0.0011	EPA 8260D	5-27-21	5-27-21	
1,2,3-Trichloropropane	ND	0.0011	EPA 8260D	5-27-21	5-27-21	
2-Chlorotoluene	ND	0.0011	EPA 8260D	5-27-21	5-27-21	
4-Chlorotoluene	ND	0.0011	EPA 8260D	5-27-21	5-27-21	
1,3-Dichlorobenzene	ND	0.0011	EPA 8260D	5-27-21	5-27-21	
1,4-Dichlorobenzene	ND	0.0011	EPA 8260D	5-27-21	5-27-21	
1,2-Dichlorobenzene	ND	0.0011	EPA 8260D	5-27-21	5-27-21	
1,2-Dibromo-3-chloropropane	ND	0.0055	EPA 8260D	5-27-21	5-27-21	
1,2,4-Trichlorobenzene	ND	0.0011	EPA 8260D	5-27-21	5-27-21	
Hexachlorobutadiene	ND	0.0055	EPA 8260D	5-27-21	5-27-21	
1,2,3-Trichlorobenzene	ND	0.0011	EPA 8260D	5-27-21	5-27-21	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*107*	*74-131*				
Toluene-d8	*103*	*78-128*				
4-Bromofluorobenzene	*100*	*71-130*				

Date of Report: June 1, 2021
Samples Submitted: May 19, 2021
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QUALITY CONTROL
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Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0527S1					
Dichlorodifluoromethane	ND	0.0010	EPA 8260D	5-27-21	5-27-21	
Chloromethane	ND	0.0050	EPA 8260D	5-27-21	5-27-21	
Vinyl Chloride	ND	0.0010	EPA 8260D	5-27-21	5-27-21	
Bromomethane	ND	0.0050	EPA 8260D	5-27-21	5-27-21	
Chloroethane	ND	0.0050	EPA 8260D	5-27-21	5-27-21	
Trichlorofluoromethane	ND	0.0010	EPA 8260D	5-27-21	5-27-21	
1,1-Dichloroethene	ND	0.0010	EPA 8260D	5-27-21	5-27-21	
Iodomethane	ND	0.0050	EPA 8260D	5-27-21	5-27-21	
Methylene Chloride	ND	0.0050	EPA 8260D	5-27-21	5-27-21	
(trans) 1,2-Dichloroethene	ND	0.0010	EPA 8260D	5-27-21	5-27-21	
1,1-Dichloroethane	ND	0.0010	EPA 8260D	5-27-21	5-27-21	
2,2-Dichloropropane	ND	0.0010	EPA 8260D	5-27-21	5-27-21	
(cis) 1,2-Dichloroethene	ND	0.0010	EPA 8260D	5-27-21	5-27-21	
Bromochloromethane	ND	0.0010	EPA 8260D	5-27-21	5-27-21	
Chloroform	ND	0.0010	EPA 8260D	5-27-21	5-27-21	
1,1,1-Trichloroethane	ND	0.0010	EPA 8260D	5-27-21	5-27-21	
Carbon Tetrachloride	ND	0.0010	EPA 8260D	5-27-21	5-27-21	
1,1-Dichloropropene	ND	0.0010	EPA 8260D	5-27-21	5-27-21	
1,2-Dichloroethane	ND	0.0010	EPA 8260D	5-27-21	5-27-21	
Trichloroethene	ND	0.0010	EPA 8260D	5-27-21	5-27-21	
1,2-Dichloropropane	ND	0.0010	EPA 8260D	5-27-21	5-27-21	
Dibromomethane	ND	0.0010	EPA 8260D	5-27-21	5-27-21	
Bromodichloromethane	ND	0.0010	EPA 8260D	5-27-21	5-27-21	
2-Chloroethyl Vinyl Ether	ND	0.0050	EPA 8260D	5-27-21	5-27-21	
(cis) 1,3-Dichloropropene	ND	0.0010	EPA 8260D	5-27-21	5-27-21	
(trans) 1,3-Dichloropropene	ND	0.0010	EPA 8260D	5-27-21	5-27-21	

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QUALITY CONTROL
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0527S1					
1,1,2-Trichloroethane	ND	0.0010	EPA 8260D	5-27-21	5-27-21	
Tetrachloroethene	ND	0.0010	EPA 8260D	5-27-21	5-27-21	
1,3-Dichloropropane	ND	0.0010	EPA 8260D	5-27-21	5-27-21	
Dibromochloromethane	ND	0.0010	EPA 8260D	5-27-21	5-27-21	
1,2-Dibromoethane	ND	0.0010	EPA 8260D	5-27-21	5-27-21	
Chlorobenzene	ND	0.0010	EPA 8260D	5-27-21	5-27-21	
1,1,1,2-Tetrachloroethane	ND	0.0010	EPA 8260D	5-27-21	5-27-21	
Bromoform	ND	0.0050	EPA 8260D	5-27-21	5-27-21	
Bromobenzene	ND	0.0010	EPA 8260D	5-27-21	5-27-21	
1,1,2,2-Tetrachloroethane	ND	0.0010	EPA 8260D	5-27-21	5-27-21	
1,2,3-Trichloropropane	ND	0.0010	EPA 8260D	5-27-21	5-27-21	
2-Chlorotoluene	ND	0.0010	EPA 8260D	5-27-21	5-27-21	
4-Chlorotoluene	ND	0.0010	EPA 8260D	5-27-21	5-27-21	
1,3-Dichlorobenzene	ND	0.0010	EPA 8260D	5-27-21	5-27-21	
1,4-Dichlorobenzene	ND	0.0010	EPA 8260D	5-27-21	5-27-21	
1,2-Dichlorobenzene	ND	0.0010	EPA 8260D	5-27-21	5-27-21	
1,2-Dibromo-3-chloropropane	ND	0.0050	EPA 8260D	5-27-21	5-27-21	
1,2,4-Trichlorobenzene	ND	0.0010	EPA 8260D	5-27-21	5-27-21	
Hexachlorobutadiene	ND	0.0050	EPA 8260D	5-27-21	5-27-21	
1,2,3-Trichlorobenzene	ND	0.0010	EPA 8260D	5-27-21	5-27-21	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*103*	*74-131*				
Toluene-d8	*100*	*78-128*				
4-Bromofluorobenzene	*103*	*71-130*				

Date of Report: June 1, 2021
Samples Submitted: May 19, 2021
Laboratory Reference: 2105-188
Project: 2032-012

VOLATILE ORGANICS EPA 8260D
QUALITY CONTROL

Matrix: Soil
Units: mg/kg

Analyte	Result		Spike Level		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB0527S1									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	**0.0522**	**0.0503**	0.0500	0.0500	104	101	71-131	4	19	
Benzene	**0.0512**	**0.0511**	0.0500	0.0500	102	102	73-124	0	18	
Trichloroethene	**0.0546**	**0.0566**	0.0500	0.0500	109	113	79-130	4	18	
Toluene	**0.0517**	**0.0525**	0.0500	0.0500	103	105	76-123	2	18	
Chlorobenzene	**0.0512**	**0.0533**	0.0500	0.0500	102	107	78-122	4	18	
Surrogate:										
Dibromofluoromethane					*101*	*98*	*74-131*			
Toluene-d8					*101*	*102*	*78-128*			
4-Bromofluorobenzene					*100*	*100*	*71-130*			

Date of Report: June 1, 2021
Samples Submitted: May 19, 2021
Laboratory Reference: 2105-188
Project: 2032-012

% MOISTURE

Client ID	Lab ID	% Moisture	Date Analyzed
F-31-5	05-188-01	**14**	5-27-21
F-31-10	05-188-02	**29**	5-27-21
F-31-12	05-188-03	**29**	5-27-21
F-31-15	05-188-04	**27**	5-27-21
F-31-19.5	05-188-05	**24**	5-27-21

OnSite Environmental Inc.

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

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

Company: Farallon Consulting
Project Number: 2032-012
Project Name: 68th Avenue South
Project Manager: P. Kingston
Sampled by: G. McKenney

Turnaround Request (in working days)
(Check One)
☐ Same Day ☐ 1 Day
☐ 2 Days ☐ 3 Days
☒ Standard (7 Days)
☒ ~~HOLD~~ DS
(other)

Laboratory Number: 05-188

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx (☐ Acid / SG Clean-up)	Volatiles 8260D	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	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664A					% Moisture
1	F-~~25~~ 31-5	5/19/21	1530	SOIL	4						X																X
2	F-~~25~~ 31-10		1535								X																X
3	F-~~25~~ 31-12		1540								X																X
4	F-~~25~~ 31-15		1545								X																X
5	F-~~31~~ 31-19.5		1550								X																X

	Signature	Company	Date	Time	Comments/Special Instructions
Relinquished		FLW	5/19/21	1715	~~HOLD for PM analysis request~~
Received		COE	5/19/21	1715	X - Added 5/27/21. DB (STA)
Relinquished					
Received					
Relinquished					
Received					Data Package: Standard ☐ Level III ☐ Level IV ☐
Reviewed/Date		Reviewed/Date			Chromatograms with final report ☐ Electronic Data Deliverables (EDDs) ☐

APPENDIX E
MAPPING REPORT

REMEDIAL INVESTIGATION AND
FEASIBILITY STUDY REPORT
18420 68th Avenue South
Kent, Washington

Farallon PN: 2032-012

AMPLIFIED GEOCHEMICAL IMAGING, LLC

Mapping Report

Site: 18420 68th Avenue South, Kent, WA

Prepared for:

Farallon Consulting
975 5th Avenue Northwest
Issaquah, WA 98027
USA

Prepared on:

October 22, 2020

Project Summary

Amplified Geochemical Imaging, LLC. (AGI) provided the AGI Environmental Survey used at:

18420 68th Avenue South, Kent, WA

The service provided by AGI included delivery of the required quantity of AGI Universal Samplers, analysis by the method described for the requested organic compounds, and reporting of the data. A Laboratory Report was issued previously which summarized the field sampling and analytical procedures, and contained the sample results.

Normally, the maps are scaled to print on a page size of 11 x 17 inches; other sizes are available upon request. General and project specific comments on the contouring and mapping can be found on the next page.

Maps prepared by:

Ray Fenstermacher, P.G.
Project Manager

Maps reviewed/approved by:

Ian McMullen
Chemist

General Comments

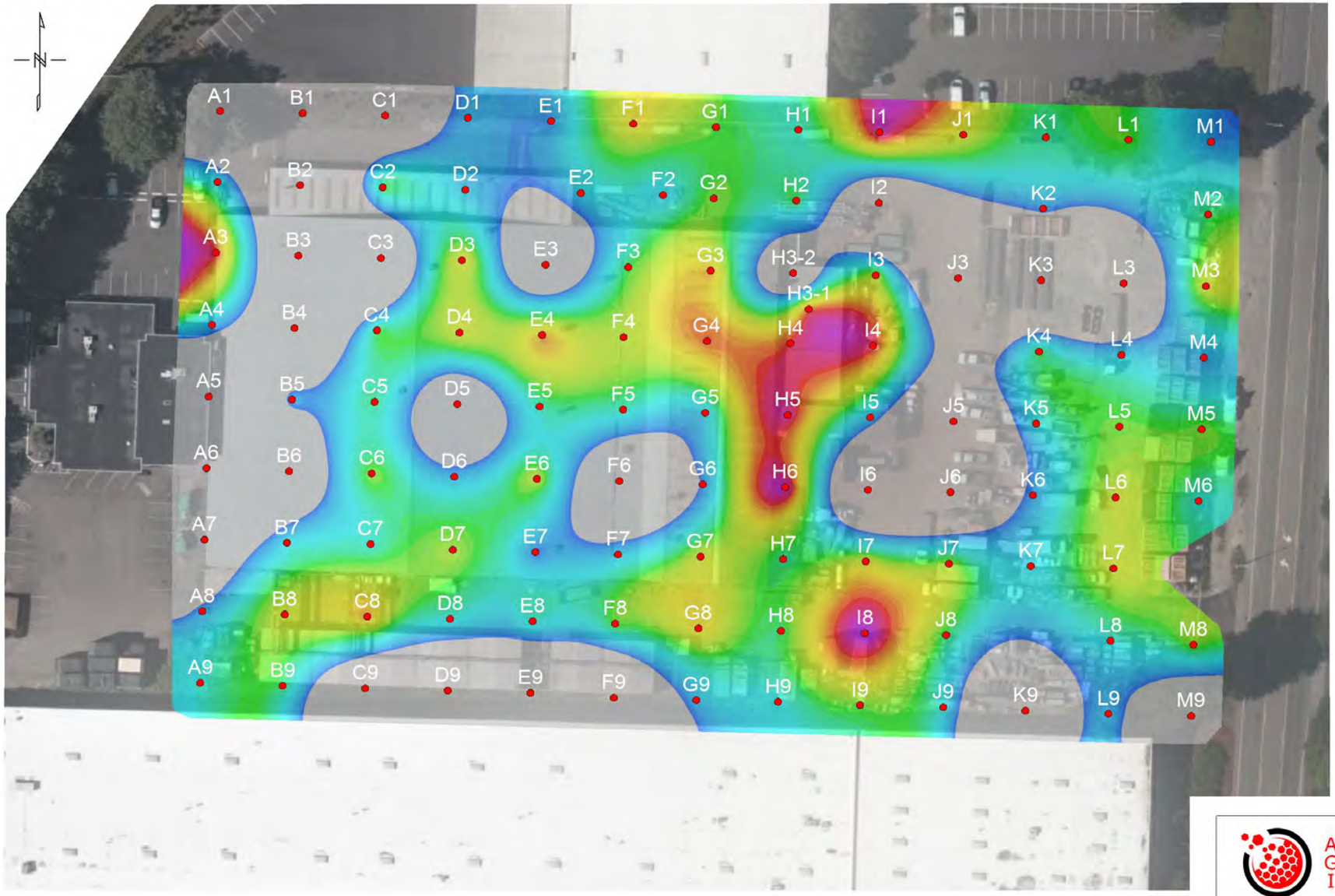
A minimum curvature algorithm was used to interpolate the data from the sample locations to a regularly-spaced grid. The resulting surface is considered to be the smoothest possible surface that will fit the observed values at each sample location (i.e., data honoring). The interpolation is performed in log space, with grid cell sizes approximately one-tenth the average distance between sample locations. For example, when AGI Universal Samplers are placed about 50 feet apart, the grid cell size is set to five feet.

Where observations trend from lower to higher values, and moving towards the edge of the area sampled, the contour surface will continue to rise (showing warmer colors) as no additional data exist to constrain the interpolation. Where observations trend from high to low, towards the edge of the area sampled, the opposite is true.

Contour minimums and maximums used in the color interval assignment are established based on the QA blank levels (trip and method blanks), method detection limits, and maximum values observed. The minimum contour level (gray color) is established using the maximum QA blank level or method detection limit, whichever is greater, per compound or groups of compounds . The maximum contour level is set at the maximum value observed, per compound or groups of compounds. Contour interval assignments can be modified at the client's request.

Project Specific Comments

None.



136.994
103.470
78.150
59.026
44.582
33.672
25.433
19.209
14.508
10.958
8.277
6.251
4.722
3.566
2.693
2.034
1.537
1.161
0.877
0.662
0.500

TPH
[µg]

Scale 1:900

50 0 50 100 150

US survey foot

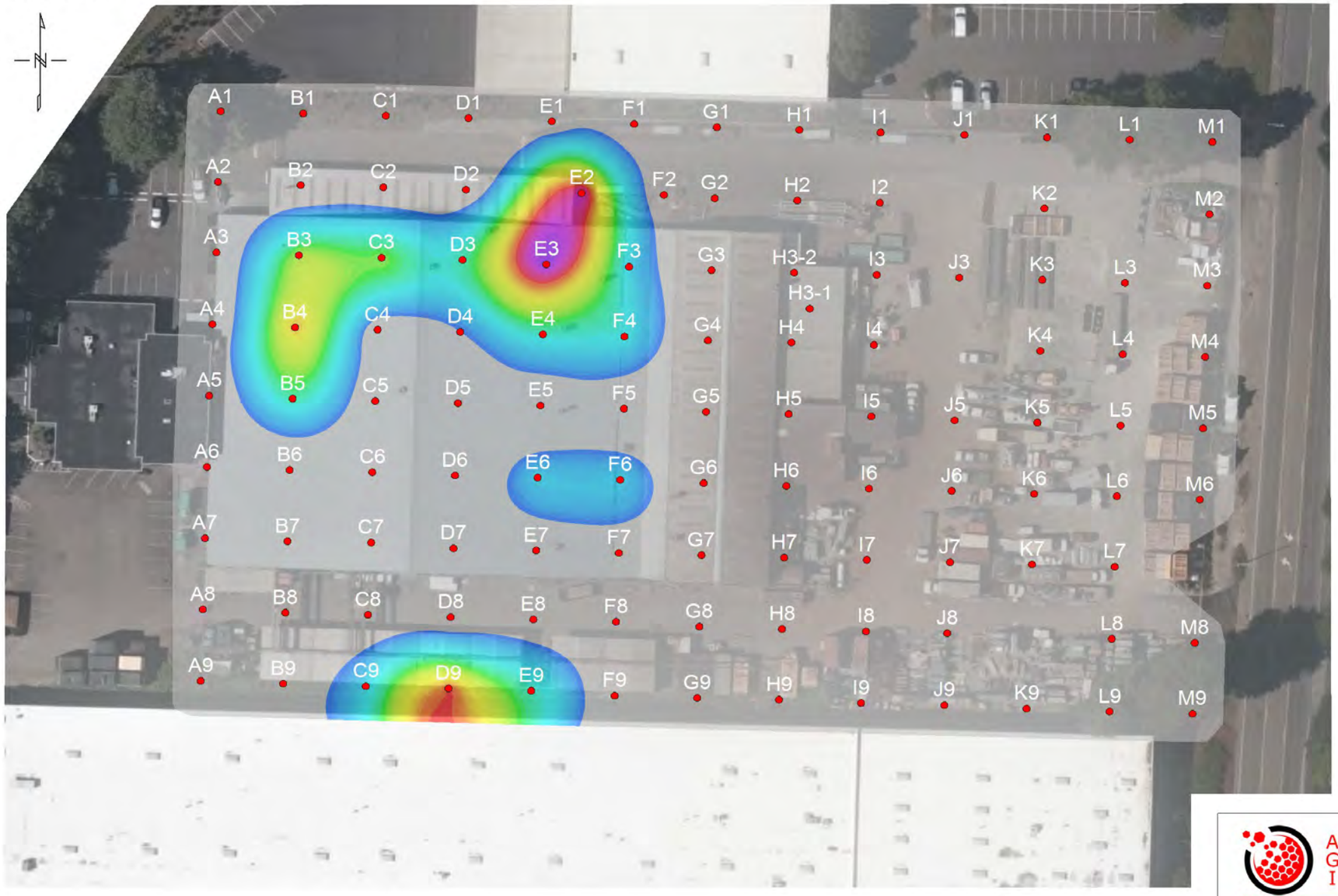
NAD83 / Washington North (ftUS)

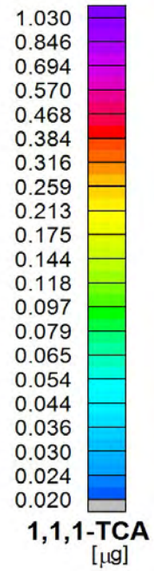
AMPLIFIED GEOCHEMICAL IMAGING, LLC

210 EXECUTIVE DRIVE, SUITE 1
NEWARK, DELAWARE 19702-3335 USA
PHONE: +1-302-266-2428
FAX: +1-302-266-2429
WWW.AGISURVEYS.NET

Farallon Consulting
18420 68th Avenue South, Kent, WA
Total Petroleum Hydrocarbons

DATE DRAWN: Oct 21, 2020	DRAWN BY: RF	ORIG. CAD: PassiveSoilGasSampleLocations_2020_10_08.shp
REV. DATE:	REV. #:	PROJECT NUMBER: T02252





Scale 1:900

50 0 50 100 150

US survey foot

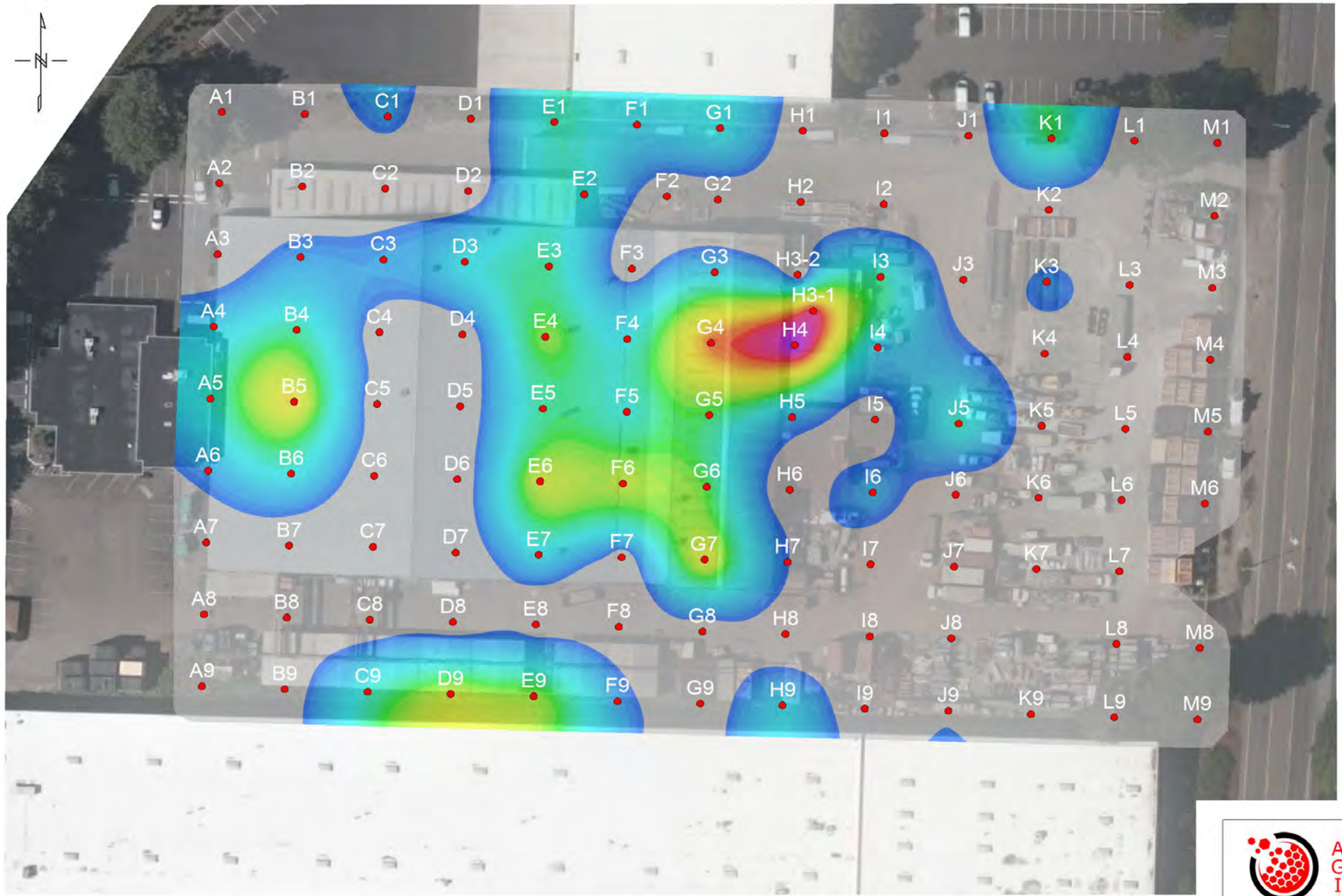
NAD83 / Washington North (ftUS)

AMPLIFIED GEOCHEMICAL IMAGING, LLC

210 EXECUTIVE DRIVE, SUITE 1
NEWARK, DELAWARE 19702-3335 USA
PHONE: +1-302-266-2428
FAX: +1-302-266-2429
WWW.AGISURVEYS.NET

Farallon Consulting
18420 68th Avenue South, Kent, WA
1,1,1-Trichloroethane

DATE DRAWN: Oct 21, 2020	DRAWN BY: RF	ORIG. CAD: PassiveSoilGasSampleLocations_2020_10_08.shp
REV. DATE:	REV. #:	PROJECT NUMBER: T02252



13.400
9.678
6.990
5.049
3.647
2.634
1.902
1.374
0.992
0.717
0.518
0.374
0.270
0.195
0.141
0.102
0.073
0.053
0.038
0.028
0.020

PCE
[µg]

Scale 1:900

50 0 50 100 150

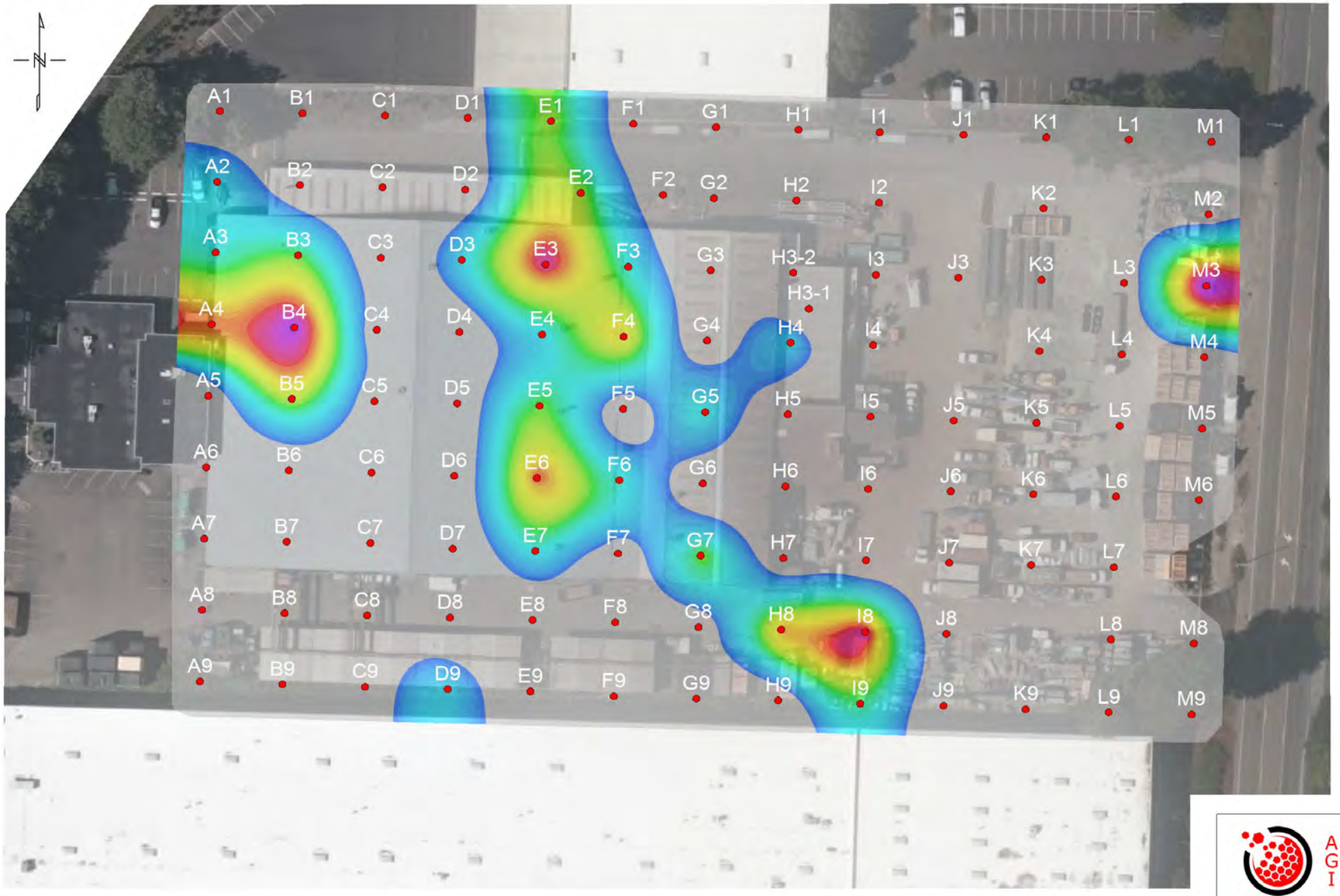
US survey foot

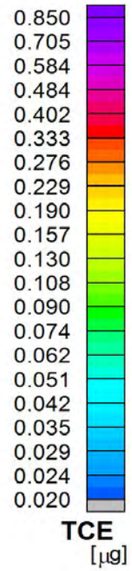
NAD83 / Washington North (ftUS)

AMPLIFIED GEOCHEMICAL IMAGING, LLC
210 EXECUTIVE DRIVE, SUITE 1
NEWARK, DELAWARE 19702-3335 USA
PHONE: +1-302-266-2428
FAX: +1-302-266-2429
WWW.AGISURVEYS.NET

Farallon Consulting
18420 68th Avenue South, Kent, WA
Tetrachloroethene

DATE DRAWN: Oct 21, 2020	**DRAWN BY: RF**	**ORIG. CAD: PassiveSoilGasSampleLocations_2020_10_08.shp**
REV. DATE:	**REV. #:**	**PROJECT NUMBER: T02252**





Scale 1:900

50 0 50 100 150

US survey foot

NAD83 / Washington North (ftUS)

AMPLIFIED GEOCHEMICAL IMAGING, LLC

210 EXECUTIVE DRIVE, SUITE 1
NEWARK, DELAWARE 19702-3335 USA
PHONE: +1-302-266-2428
FAX: +1-302-266-2429
WWW.AGISURVEYS.NET

Farallon Consulting
18420 68th Avenue South, Kent, WA
Trichloroethene

DATE DRAWN: Oct 21, 2020	DRAWN BY: RF	ORIG. CAD: PassiveSoilGasSampleLocations_2020_10_08.shp
REV. DATE:	REV. #:	PROJECT NUMBER: T02252

Delaware Office and AGI Laboratory:
210 Executive Drive, Suite 1
Newark, Delaware 19702-3335 USA
Phone: +1-302-266-2428
Fax: +1-302-266-2429

German Sales Office:
Amplified Geochemical Imaging GmbH
Alte Landstrasse 23,
85521 Ottobrunn GERMANY
Phone: +49 89 6387927-12
Fax: +49 89 6387927-10

Corporate Office:
7112 W. Jefferson Avenue, Suite 106
Lakewood, CO 80235 USA
Phone: +1-303-988-1968
Fax: +1-303-986-2898

www.agisurveys.net

APPENDIX F
TERRESTRIAL ECOLOGICAL EVALUATION FORM

REMEDIAL INVESTIGATION AND
FEASIBILITY STUDY REPORT
18420 68th Avenue South
Kent, Washington

Farallon PN: 2032-012

Voluntary Cleanup Program

Washington State Department of Ecology
Toxics Cleanup Program

TERRESTRIAL ECOLOGICAL EVALUATION FORM

Under the Model Toxics Control Act (MTCA), a terrestrial ecological evaluation is necessary if hazardous substances are released into the soils at a Site. In the event of such a release, you must take one of the following three actions as part of your investigation and cleanup of the Site:

1. Document an exclusion from further evaluation using the criteria in WAC 173-340-7491.
2. Conduct a simplified evaluation as set forth in WAC 173-340-7492.
3. Conduct a site-specific evaluation as set forth in WAC 173-340-7493.

When requesting a written opinion under the Voluntary Cleanup Program (VCP), you must complete this form and submit it to the Department of Ecology (Ecology). The form documents the type and results of your evaluation.

Completion of this form is not sufficient to document your evaluation. You still need to document your analysis and the basis for your conclusion in your cleanup plan or report.

If you have questions about how to conduct a terrestrial ecological evaluation, please contact the Ecology site manager assigned to your Site. For additional guidance, please refer to https://ecology.wa.gov/Regulations-Permits/Guidance-technical-assistance/Terrestrial-ecological-evaluation.

Step 1: IDENTIFY HAZARDOUS WASTE SITE	
Please identify below the hazardous waste site for which you are documenting an evaluation.	
Facility/Site Name: 68th Avenue South	
Facility/Site Address: 18420 68th Avenue South Kent, Washington	
Facility/Site No: 18965792	VCP Project No.:

Step 2: IDENTIFY EVALUATOR			
Please identify below the person who conducted the evaluation and their contact information.			
Name: Greg Peters		Title: Project Environmental Scientist	
Organization: Farallon Consulting			
Mailing address: 975 5th Ave NW			
City: Issaquah	State: WA	Zip code: 98027	
Phone: 425-677-9521	Fax:	E-mail: gpeters@farallonconsulting.com	

Step 3: DOCUMENT EVALUATION TYPE AND RESULTS

A. Exclusion from further evaluation.

1. Does the Site qualify for an exclusion from further evaluation?

☒ Yes *If you answered **"YES,"** then answer **Question 2**.*

☐ No or Unknown *If you answered **"NO" or "UNKNOWN,"** then skip to **Step 3B** of this form.*

2. What is the basis for the exclusion? *Check all that apply. Then skip to **Step 4** of this form.*

Point of Compliance: WAC 173-340-7491(1)(a)

☒ All soil contamination is, or will be,* at least 15 feet below the surface.

☐ All soil contamination is, or will be,* at least 6 feet below the surface (or alternative depth if approved by Ecology), and institutional controls are used to manage remaining contamination.

Barriers to Exposure: WAC 173-340-7491(1)(b)

☒ All contaminated soil, is or will be,* covered by physical barriers (such as buildings or paved roads) that prevent exposure to plants and wildlife, and institutional controls are used to manage remaining contamination.

Undeveloped Land: WAC 173-340-7491(1)(c)

☐ There is less than 0.25 acres of contiguous[#] undeveloped[±] land on or within 500 feet of any area of the Site and any of the following chemicals is present: chlorinated dioxins or furans, PCB mixtures, DDT, DDE, DDD, aldrin, chlordane, dieldrin, endosulfan, endrin, heptachlor, heptachlor epoxide, benzene hexachloride, toxaphene, hexachlorobenzene, pentachlorophenol, or pentachlorobenzene.

☒ For sites not containing any of the chemicals mentioned above, there is less than 1.5 acres of contiguous[#] undeveloped[±] land on or within 500 feet of any area of the Site.

Background Concentrations: WAC 173-340-7491(1)(d)

☐ Concentrations of hazardous substances in soil do not exceed natural background levels as described in WAC 173-340-200 and 173-340-709.

* An exclusion based on future land use must have a completion date for future development that is acceptable to Ecology.

[±] "Undeveloped land" is land that is not covered by building, roads, paved areas, or other barriers that would prevent wildlife from feeding on plants, earthworms, insects, or other food in or on the soil.

[#] "Contiguous" undeveloped land is an area of undeveloped land that is not divided into smaller areas of highways, extensive paving, or similar structures that are likely to reduce the potential use of the overall area by wildlife.

B. Simplified evaluation.

1. Does the Site qualify for a simplified evaluation?

☐ Yes *If you answered **"YES,"** then answer **Question 2** below.*

☐ No or Unknown *If you answered **"NO"** or **"UNKNOWN,"** then skip to **Step 3C** of this form.*

2. Did you conduct a simplified evaluation?

☐ Yes *If you answered **"YES,"** then answer **Question 3** below.*

☐ No *If you answered **"NO,"** then skip to **Step 3C** of this form.*

3. Was further evaluation necessary?

☐ Yes *If you answered **"YES,"** then answer **Question 4** below.*

☐ No *If you answered **"NO,"** then answer **Question 5** below.*

4. If further evaluation was necessary, what did you do?

☐ Used the concentrations listed in Table 749-2 as cleanup levels. *If so, then skip to **Step 4** of this form.*

☐ Conducted a site-specific evaluation. *If so, then skip to **Step 3C** of this form.*

5. If no further evaluation was necessary, what was the reason? *Check all that apply. Then skip to **Step 4** of this form.*

Exposure Analysis: WAC 173-340-7492(2)(a)

☐ Area of soil contamination at the Site is not more than 350 square feet.

☐ Current or planned land use makes wildlife exposure unlikely. Used Table 749-1.

Pathway Analysis: WAC 173-340-7492(2)(b)

☐ No potential exposure pathways from soil contamination to ecological receptors.

Contaminant Analysis: WAC 173-340-7492(2)(c)

☐ No contaminant listed in Table 749-2 is, or will be, present in the upper 15 feet at concentrations that exceed the values listed in Table 749-2.

☐ No contaminant listed in Table 749-2 is, or will be, present in the upper 6 feet (or alternative depth if approved by Ecology) at concentrations that exceed the values listed in Table 749-2, and institutional controls are used to manage remaining contamination.

☐ No contaminant listed in Table 749-2 is, or will be, present in the upper 15 feet at concentrations likely to be toxic or have the potential to bioaccumulate as determined using Ecology-approved bioassays.

☐ No contaminant listed in Table 749-2 is, or will be, present in the upper 6 feet (or alternative depth if approved by Ecology) at concentrations likely to be toxic or have the potential to bioaccumulate as determined using Ecology-approved bioassays, and institutional controls are used to manage remaining contamination.

C. Site-specific evaluation. A site-specific evaluation process consists of two parts: (1) formulating the problem, and (2) selecting the methods for addressing the identified problem. Both steps require consultation with and approval by Ecology. *See* WAC 173-340-7493(1)(c).

1. Was there a problem? *See* WAC 173-340-7493(2).

☐ Yes *If you answered **"YES,"** then answer **Question 2** below.*

☐ No *If you answered **"NO,"** then identify the reason here and then skip to **Question 5** below:*

- ☐ No issues were identified during the problem formulation step.
- ☐ While issues were identified, those issues were addressed by the cleanup actions for protecting human health.

2. What did you do to resolve the problem? *See* WAC 173-340-7493(3).

- ☐ Used the concentrations listed in Table 749-3 as cleanup levels. *If so, then skip to **Question 5** below.*
- ☐ Used one or more of the methods listed in WAC 173-340-7493(3) to evaluate and address the identified problem. *If so, then answer **Questions 3 and 4** below.*

3. If you conducted further site-specific evaluations, what methods did you use?
Check all that apply. See WAC 173-340-7493(3).

- ☐ Literature surveys.
- ☐ Soil bioassays.
- ☐ Wildlife exposure model.
- ☐ Biomarkers.
- ☐ Site-specific field studies.
- ☐ Weight of evidence.
- ☐ Other methods approved by Ecology. If so, please specify:

4. What was the result of those evaluations?

- ☐ Confirmed there was no problem.
- ☐ Confirmed there was a problem and established site-specific cleanup levels.

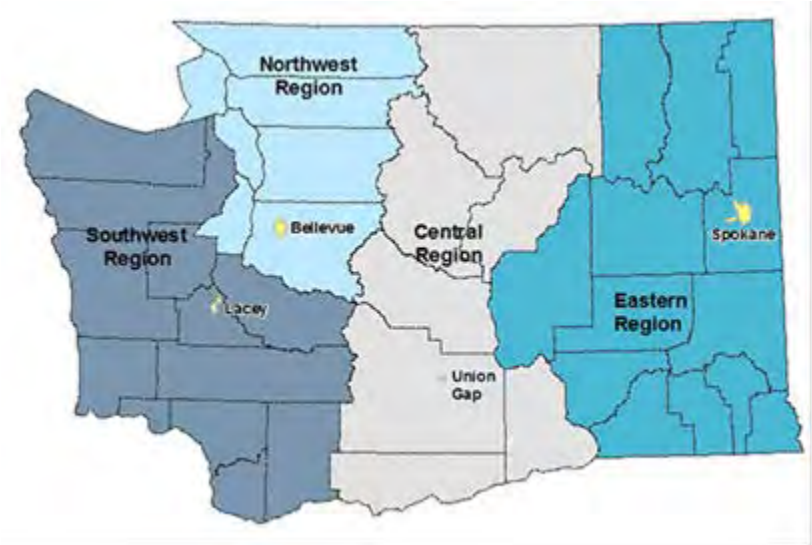
5. Have you already obtained Ecology's approval of both your problem formulation and problem resolution steps?

☐ Yes If so, please identify the Ecology staff who approved those steps:

☐ No

Step 4: SUBMITTAL

Please mail your completed form to the Ecology site manager assigned to your Site. If a site manager has not yet been assigned, please mail your completed form to the Ecology regional office for the County in which your Site is located.



Northwest Region: Attn: VCP Coordinator 3190 160th Ave. SE Bellevue, WA 98008-5452	**Central Region:** Attn: VCP Coordinator 1250 West Alder St. Union Gap, WA 98903-0009
Southwest Region: Attn: VCP Coordinator P.O. Box 47775 Olympia, WA 98504-7775	**Eastern Region:** Attn: VCP Coordinator N. 4601 Monroe Spokane WA 99205-1295

If you need this publication in an alternate format, please call the Toxics Cleanup Program at 360-407-7170. People with hearing loss can call 711 for Washington Relay Service. People with a speech disability can call 877-833-6341.

LEGEND

- 500-FOOT PROPERTY RADIUS BOUNDARY
- PROPERTY BOUNDARY

N

0 200

SCALE IN FEET

NOTES:
1. ALL LOCATIONS ARE APPROXIMATE.
2. FIGURES WERE PRODUCED IN COLOR. GRAYSCALE COPIES MAY NOT REPRODUCE ALL ORIGINAL INFORMATION.

FARALLON CONSULTING
Your Challenges. Our Priority. | farallonconsulting.com

Washington
Issaquah | Bellingham | Seattle

Oregon
Portland | Baker City

California
Oakland | Irvine

FIGURE 1

500-FOOT PROPERTY RADIUS BOUNDARY
FOR TERRESTRIAL ECOLOGICAL EVALUATION
18420 68th AVENUE SOUTH
KENT, WASHINGTON

FARALLON PN: 2032-012

Drawn By: jjones | Checked By: GP | Date: 4/15/2021 | Disc Reference: Q:\Projects\2032 Lift Partners\012 18420 68th Ave S\Mapfiles\013\Figure-01_TEE-Buffer.mxd